

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101320\
 Data File : BF121946.D
 Acq On : 13 Oct 2020 19:18
 Operator : JU/CG
 Sample : L4217-01 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-01-101220

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF121946.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.357	553	556	578	rBV	774132	951959	92.25%	4.695%
2	6.386	728	731	743	rBV	902864	970967	94.09%	4.789%
3	6.575	759	763	766	rBV2	58755	61544	5.96%	0.304%
4	6.739	788	791	798	rVB	679092	680422	65.94%	3.356%
5	6.886	813	816	820	rVB2	43201	41487	4.02%	0.205%
6	7.016	832	838	841	rVB3	50756	74553	7.22%	0.368%
7	7.081	847	849	855	rBV	44109	41540	4.03%	0.205%
8	7.128	855	857	861	rBV3	70386	71422	6.92%	0.352%
9	7.263	875	880	882	rBV2	42191	54193	5.25%	0.267%
10	7.304	884	887	891	rVV	645595	626951	60.76%	3.092%
11	7.339	891	893	896	rVB	187652	146859	14.23%	0.724%
12	7.386	896	901	904	rVB4	51136	79792	7.73%	0.394%
13	7.457	910	913	917	rVB3	40287	41115	3.98%	0.203%
14	7.522	922	924	926	rBV	63270	57036	5.53%	0.281%
15	7.545	926	928	931	rVB3	69015	55697	5.40%	0.275%
16	7.663	939	948	953	rBV7	61916	163244	15.82%	0.805%
17	7.710	953	956	958	rBV2	64199	66592	6.45%	0.328%
18	7.745	958	962	964	rBV3	58773	51248	4.97%	0.253%
19	7.775	964	967	971	rBV2	91112	101379	9.82%	0.500%
20	7.822	972	975	977	rBV	63671	47762	4.63%	0.236%
21	7.845	977	979	984	rVB4	57416	59767	5.79%	0.295%
22	7.904	984	989	991	rBV2	45114	67890	6.58%	0.335%
23	8.028	1004	1010	1012	rBV2	781379	1031919	100.00%	5.089%
24	8.045	1012	1013	1016	rVV2	70575	53553	5.19%	0.264%
25	8.086	1016	1020	1023	rVB	325348	281909	27.32%	1.390%
26	8.116	1023	1025	1028	rBV	69045	63610	6.16%	0.314%
27	8.181	1032	1036	1037	rBV3	57892	57401	5.56%	0.283%
28	8.228	1041	1044	1047	rVB3	100876	82009	7.95%	0.404%
29	8.316	1054	1059	1066	rBV5	142787	267103	25.88%	1.317%
30	8.369	1066	1068	1071	rBV2	100375	82541	8.00%	0.407%
31	8.404	1071	1074	1077	rVB	137586	129553	12.55%	0.639%
32	8.445	1077	1081	1083	rBV	408024	361210	35.00%	1.781%
33	8.463	1083	1084	1087	rVB2	63681	42202	4.09%	0.208%
34	8.528	1093	1095	1098	rVB2	46963	38275	3.71%	0.189%
35	8.563	1098	1101	1103	rBV4	91831	101743	9.86%	0.502%
36	8.586	1103	1105	1107	rVV3	49662	43812	4.25%	0.216%

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 ClientSampleId :
 HR-01-101220

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	8.616	1107	1110	1114	rVV	549517	492294	47.71%	2.428%
38	8.675	1118	1120	1123	rVV4	85664	105265	10.20%	0.519%
39	8.716	1123	1127	1129	rVB2	174527	191464	18.55%	0.944%
40	8.739	1129	1131	1133	rBV2	78176	56809	5.51%	0.280%
41	8.845	1139	1149	1152	rBV7	133372	245096	23.75%	1.209%
42	8.898	1156	1158	1160	rBV3	105935	89368	8.66%	0.441%
43	8.980	1170	1172	1175	rVB2	92682	91402	8.86%	0.451%
44	9.022	1176	1179	1180	rVV2	62636	53660	5.20%	0.265%
45	9.045	1180	1183	1188	rVB	403382	333472	32.32%	1.645%
46	9.098	1188	1192	1197	rBV	1236600	996789	96.60%	4.916%
47	9.180	1202	1206	1210	rVV	521669	501972	48.64%	2.476%
48	9.222	1210	1213	1215	rVV4	70246	97661	9.46%	0.482%
49	9.245	1215	1217	1221	rVV3	85607	107482	10.42%	0.530%
50	9.369	1236	1238	1241	rVB3	80673	64612	6.26%	0.319%
51	9.410	1243	1245	1247	rVV3	35524	42353	4.10%	0.209%
52	9.433	1247	1249	1251	rVV	97843	95923	9.30%	0.473%
53	9.457	1251	1253	1255	rVV2	94612	86732	8.40%	0.428%
54	9.498	1255	1260	1262	rVV2	383368	388076	37.61%	1.914%
55	9.522	1262	1264	1267	rVV2	98849	97374	9.44%	0.480%
56	9.557	1267	1270	1273	rVB	100588	85465	8.28%	0.422%
57	9.645	1281	1285	1288	rBV4	45299	58456	5.66%	0.288%
58	9.680	1289	1291	1293	rVV	40001	38691	3.75%	0.191%
59	9.710	1293	1296	1300	rVV	279619	247914	24.02%	1.223%
60	9.774	1304	1307	1311	rVV	862839	761640	73.81%	3.756%
61	9.880	1322	1325	1330	rVB3	47122	52808	5.12%	0.260%
62	9.933	1331	1334	1337	rBV3	35450	47968	4.65%	0.237%
63	10.027	1347	1350	1354	rVB3	72701	91119	8.83%	0.449%
64	10.092	1359	1361	1365	rBV3	33758	47174	4.57%	0.233%
65	10.204	1378	1380	1383	rVV	164329	133778	12.96%	0.660%
66	10.263	1387	1390	1395	rVB5	24128	41408	4.01%	0.204%
67	10.322	1396	1400	1406	rBV2	64514	86626	8.39%	0.427%
68	10.427	1413	1418	1424	rVB	78187	105724	10.25%	0.521%
69	10.563	1439	1441	1447	rVB	488629	451631	43.77%	2.227%
70	10.680	1458	1461	1470	rVB	107941	170405	16.51%	0.840%
71	11.127	1532	1537	1539	rBV2	61744	59686	5.78%	0.294%
72	11.157	1539	1542	1547	rVB	66132	67655	6.56%	0.334%
73	11.257	1556	1559	1562	rBV	757780	741508	71.86%	3.657%
74	11.286	1562	1564	1567	rVV	321494	277698	26.91%	1.370%
75	11.333	1570	1572	1576	rVB	84617	81340	7.88%	0.401%
76	11.551	1606	1609	1612	rVV2	55510	44554	4.32%	0.220%

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Instrument :
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 ClientSampleId :
 HR-01-101220

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	11.763	1642	1645	1647	rBV	71774	65583	6.36%	0.323%
78	11.792	1647	1650	1655	rVV	89673	82939	8.04%	0.409%
79	11.874	1660	1664	1666	rVV	76465	81803	7.93%	0.403%
80	11.957	1675	1678	1682	rBV2	51049	45548	4.41%	0.225%
81	12.057	1692	1695	1699	rBV	47914	46841	4.54%	0.231%
82	12.310	1734	1738	1741	rBV	61416	74571	7.23%	0.368%
83	12.345	1741	1744	1747	rVV3	68293	65868	6.38%	0.325%
84	12.474	1762	1766	1770	rBV	389668	350514	33.97%	1.729%
85	12.627	1788	1792	1794	rBV2	33302	38030	3.69%	0.188%
86	12.698	1799	1804	1811	rBV	320744	433360	42.00%	2.137%
87	12.757	1811	1814	1818	rBV2	30430	38100	3.69%	0.188%
88	12.839	1822	1828	1832	rBV	1039540	1021252	98.97%	5.037%
89	13.033	1854	1861	1864	rBV	55595	94440	9.15%	0.466%
90	13.074	1865	1868	1870	rVV2	61583	59241	5.74%	0.292%
91	13.133	1875	1878	1882	rVV2	38239	46341	4.49%	0.229%
92	13.415	1923	1926	1929	rBV	64835	59121	5.73%	0.292%
93	13.757	1980	1984	1992	rVB5	92674	195027	18.90%	0.962%
94	13.898	2004	2008	2011	rBV2	839750	933331	90.45%	4.603%
95	13.927	2011	2013	2016	rVB	141497	118849	11.52%	0.586%
96	14.062	2033	2036	2040	rBV3	69114	78243	7.58%	0.386%
97	14.368	2085	2088	2090	rBV2	71529	72384	7.01%	0.357%
98	14.927	2181	2183	2190	rVB	118486	164717	15.96%	0.812%
99	15.280	2240	2243	2249	rVB	145170	186739	18.10%	0.921%
100	15.339	2249	2253	2266	rBV2	690102	941802	91.27%	4.645%

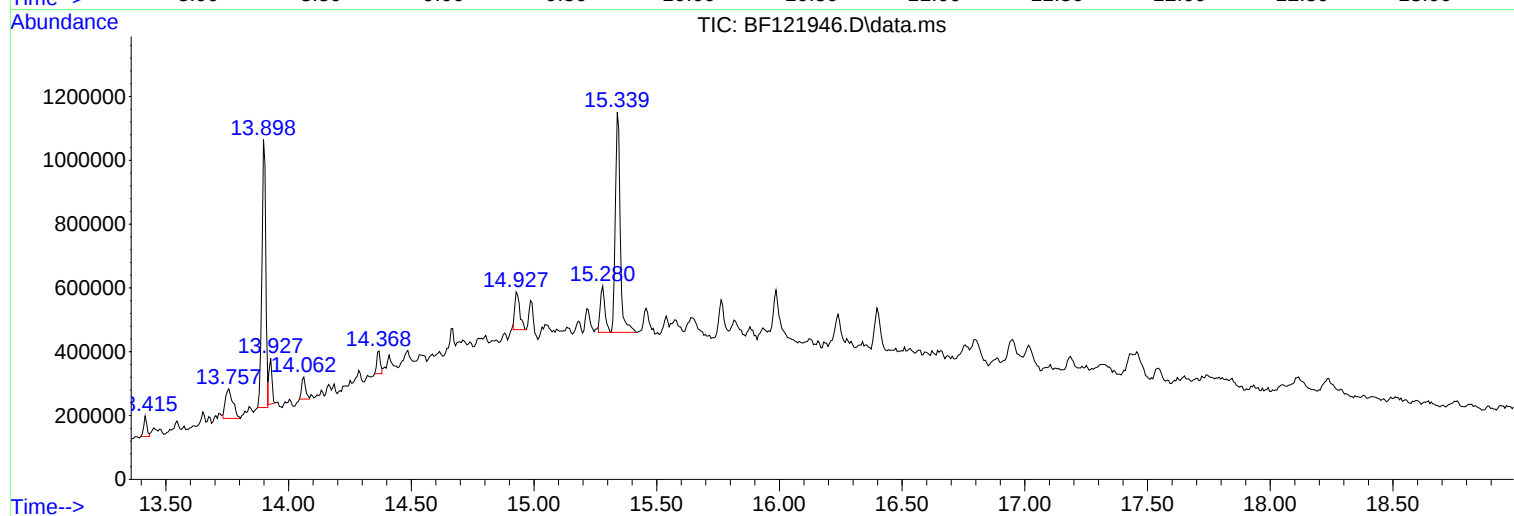
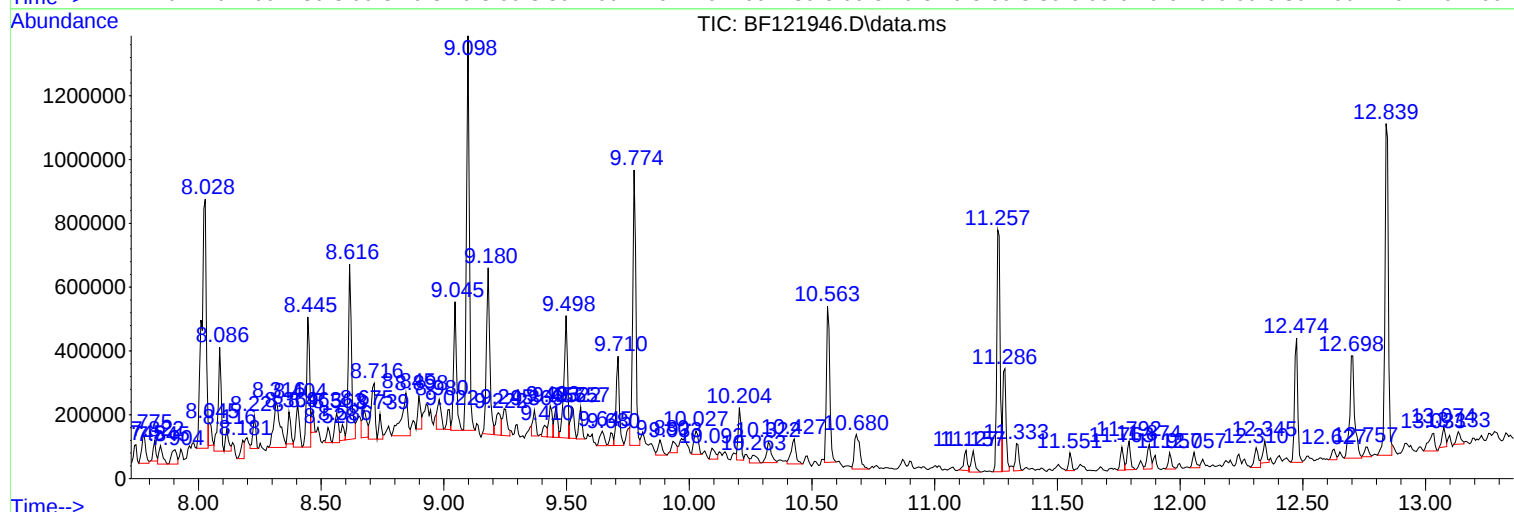
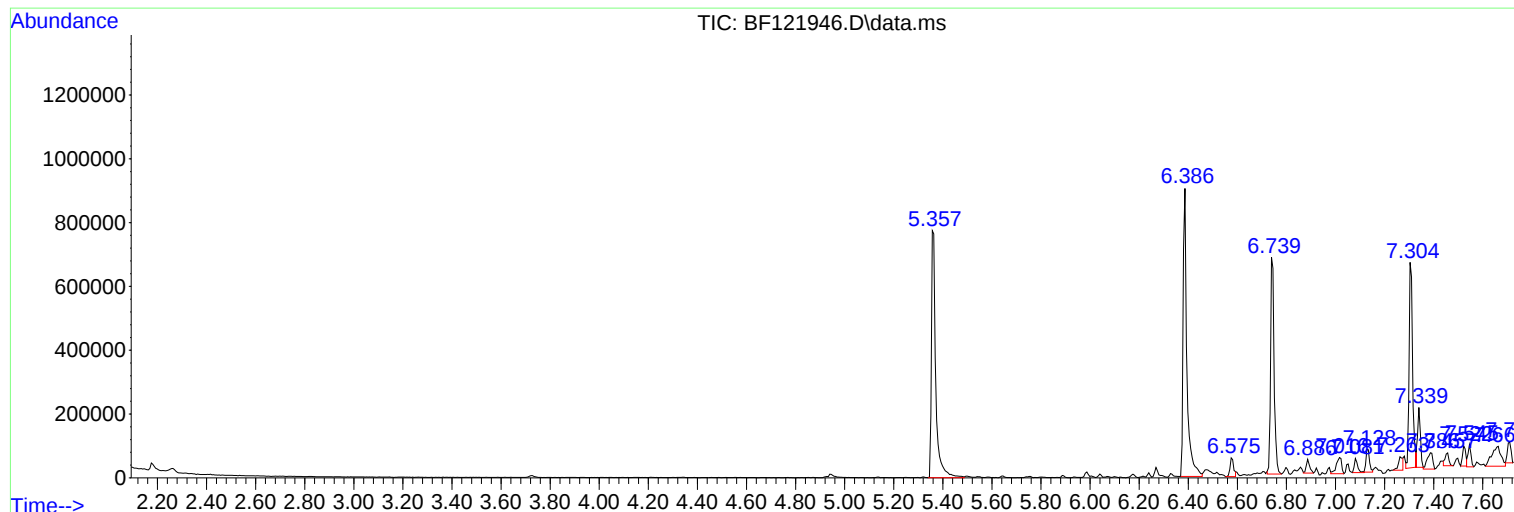
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Sample : L4217-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HR-01-101220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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Instrument :
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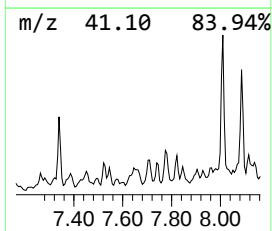
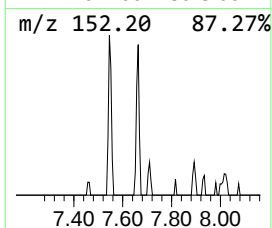
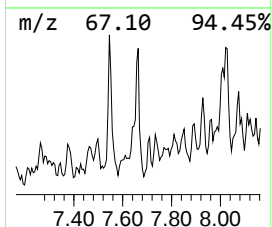
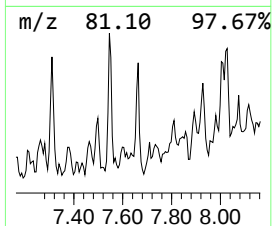
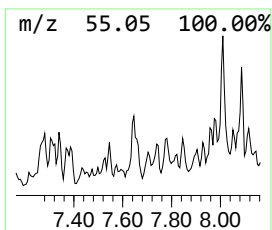
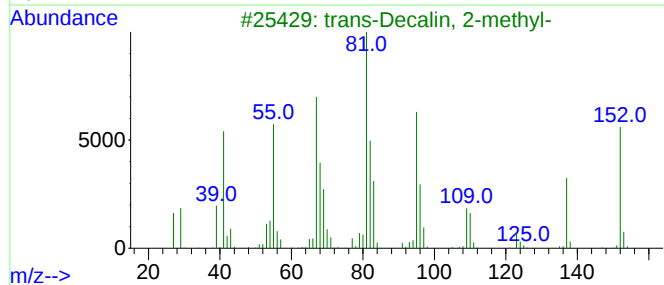
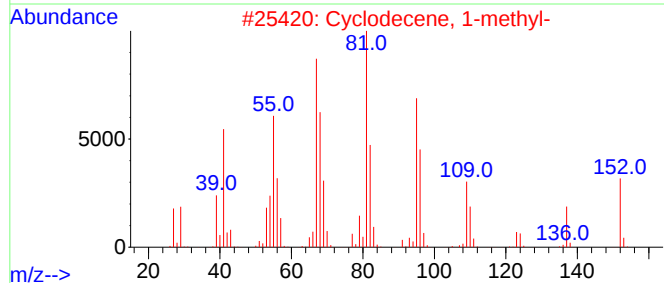
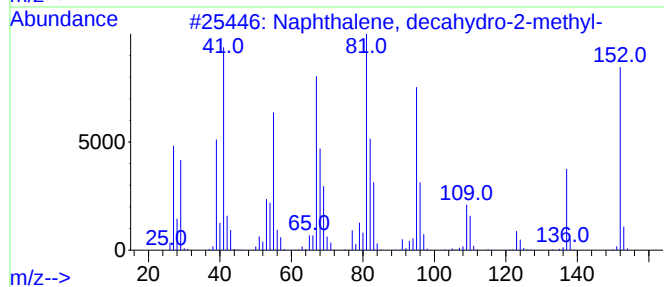
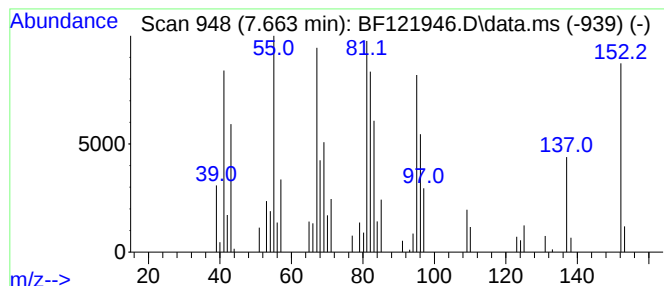
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Naphthalene, decahydro-2-me... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.663	3.16 ng	163244	Naphthalene-d8	8.028

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	91
2			Cyclodecene, 1-methyl-	152	C11H20	066633-38-3	81
3			trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	81
4			1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	60
5			Cyclopentylcyclohexane	152	C11H20	001606-08-2	55



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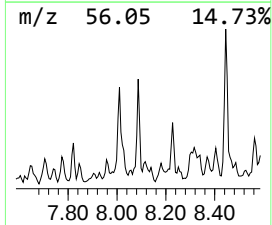
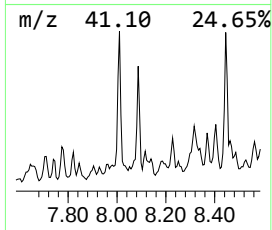
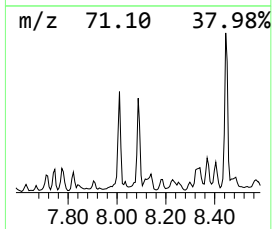
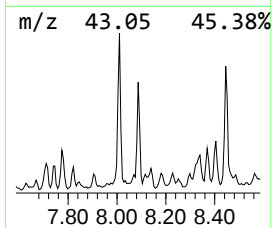
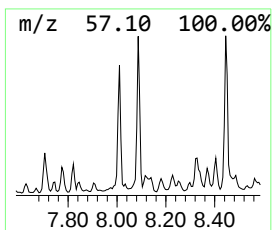
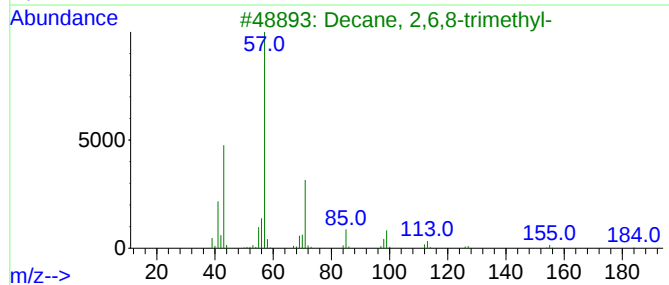
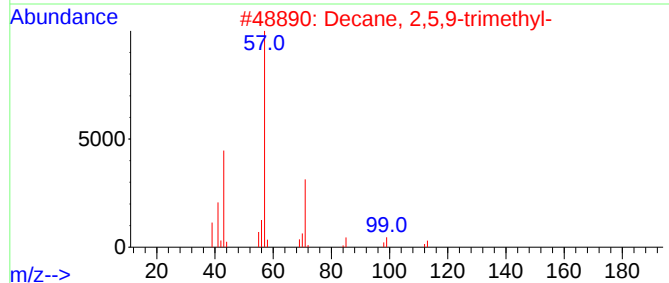
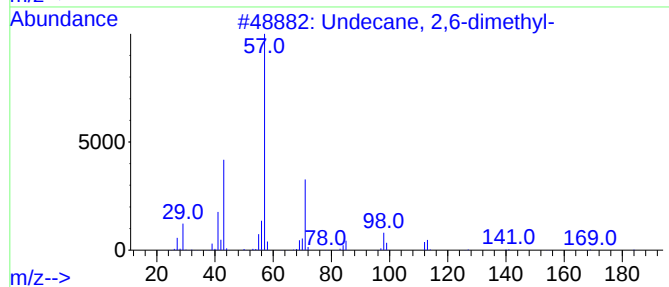
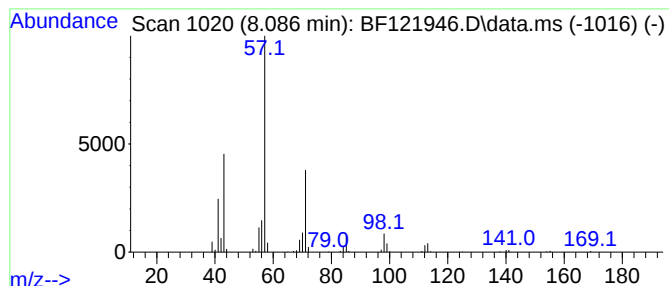
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Undecane, 2,6-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.086	5.46 ng	281909	Naphthalene-d8	8.028

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	90
2			Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	83
3			Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	78
4			Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	64
5			Heptane, 3-(bromomethyl)-	192	C8H17Br	018908-66-2	64



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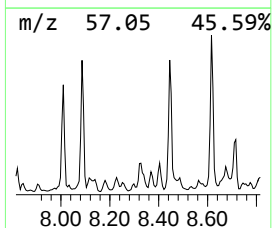
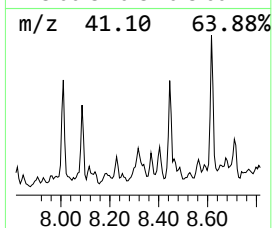
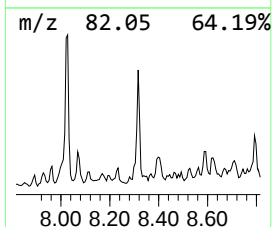
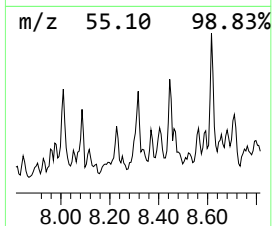
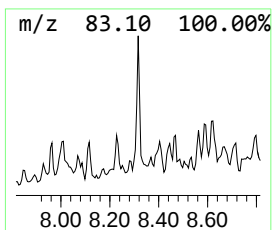
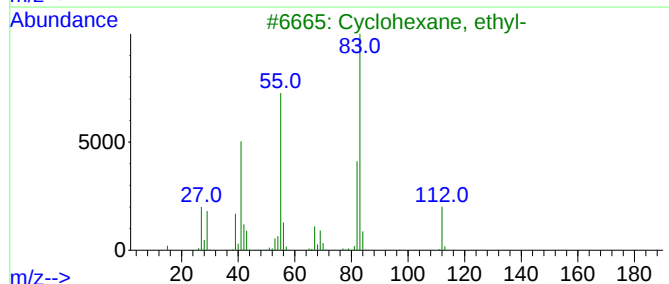
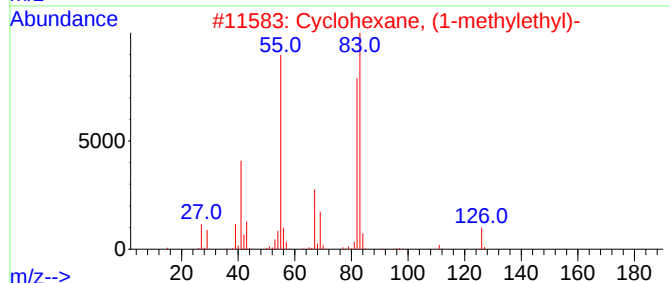
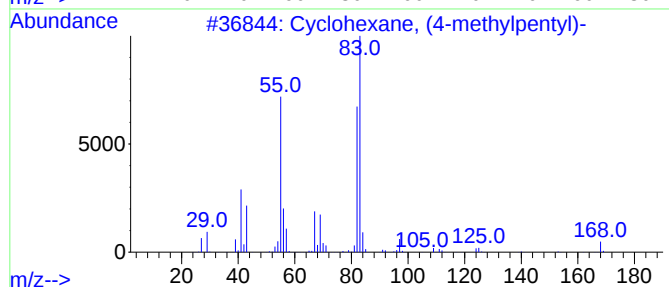
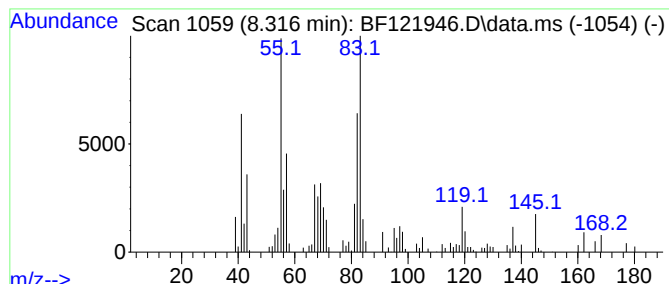
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 unknown8.316 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.316	5.18 ng	267103	Naphthalene-d8	8.028

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	49
2		Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	46
3		Cyclohexane, ethyl-	112	C8H16	001678-91-7	43
4		Acetic acid, mercapto-, cyclohex...	174	C8H14O2S	016849-98-2	43
5		Cyclohexane, hexyl-	168	C12H24	004292-75-5	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101320\
Data File : BF121946.D
Acq On : 13 Oct 2020 19:18
Operator : JU/CG
Sample : L4217-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HR-01-101220

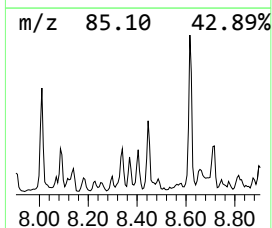
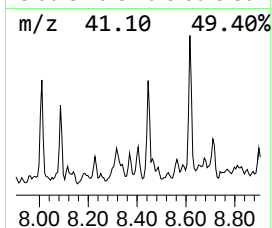
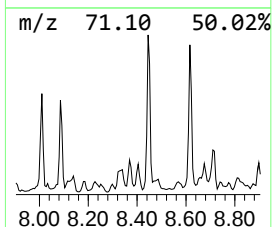
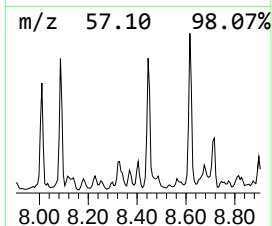
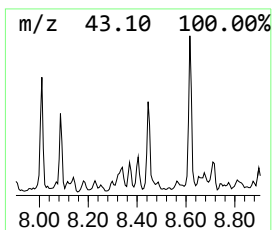
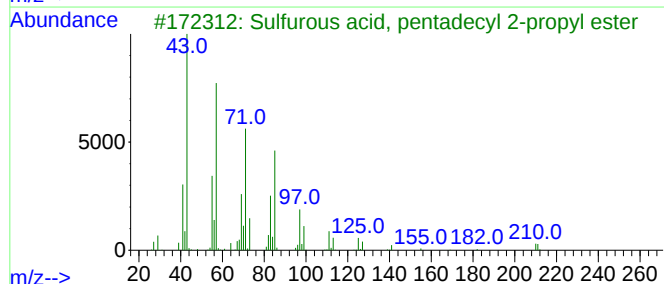
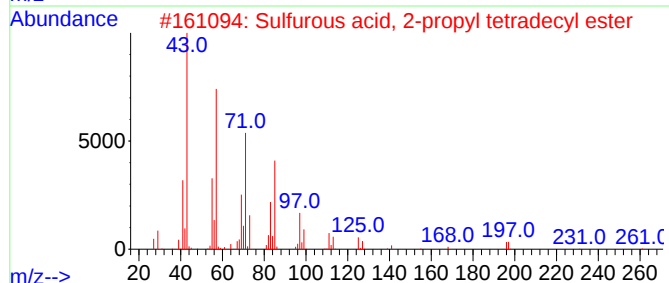
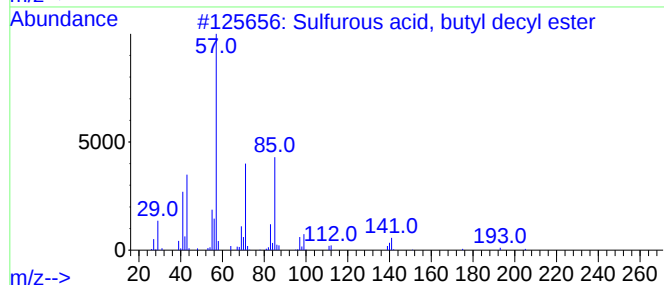
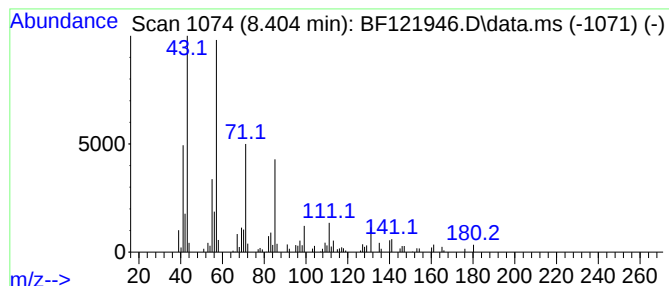
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Sulfurous acid, butyl decyl... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.404	2.51 ng	129553	Naphthalene-d8	8.028

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Sulfurous acid, butyl decyl ester	278	C14H30O3S	1000309-17-7	72
2			Sulfurous acid, 2-propyl tetradecyl ester	320	C17H36O3S	1000309-12-5	72
3			Sulfurous acid, pentadecyl 2-propyl ester	334	C18H38O3S	1000309-12-6	64
4			Decane, 1-iodo-	268	C10H21I	002050-77-3	64
5			1-Iodoundecane	282	C11H23I	004282-44-4	53



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101320\
Data File : BF121946.D
Acq On : 13 Oct 2020 19:18
Operator : JU/CG
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Misc :
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ClientSampleId :
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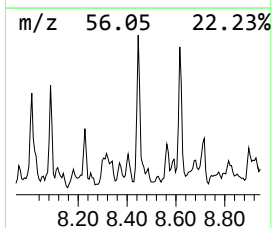
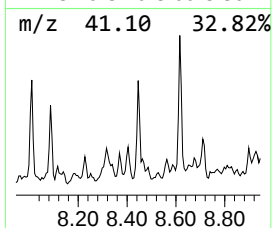
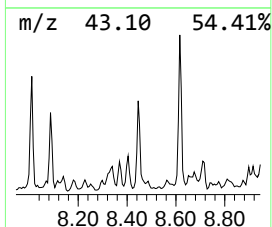
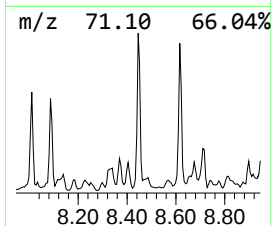
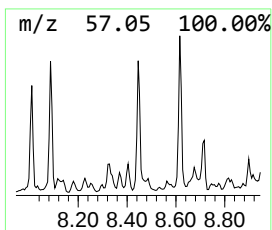
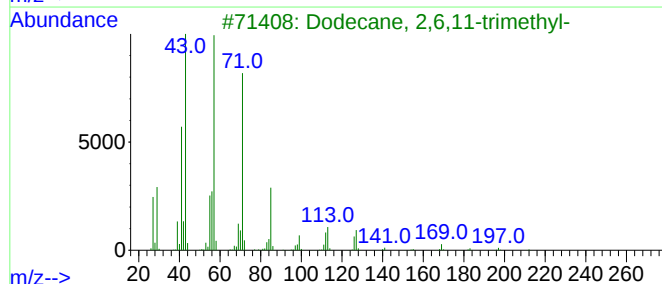
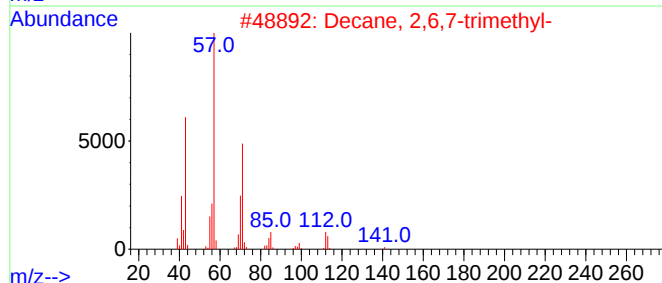
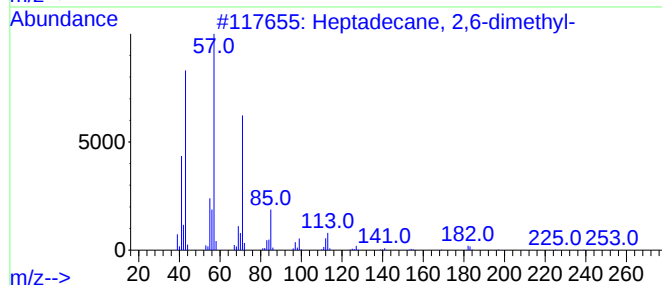
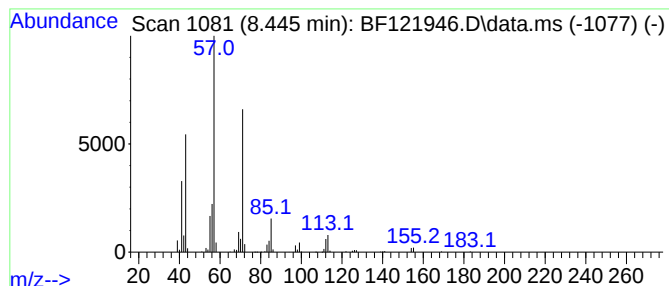
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Heptadecane, 2,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.445	7.00 ng	361210	Naphthalene-d8	8.028

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	83
2			Decane, 2,6,7-trimethyl-	184	C13H28	062108-25-2	83
3			Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	64
4			Sulfurous acid, 2-ethylhexyl und...	348	C19H40O3S	1000309-19-4	64
5			Sulfurous acid, dodecyl 2-ethylh...	362	C20H42O3S	1000309-19-5	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101320\
Data File : BF121946.D
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Misc :
ALS Vial : 14 Sample Multiplier: 1

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ClientSampleId :
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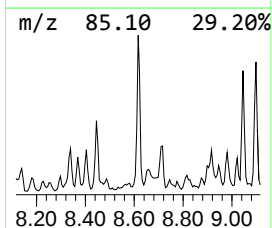
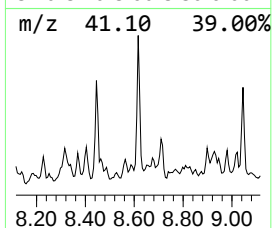
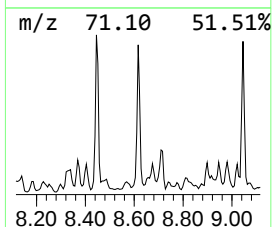
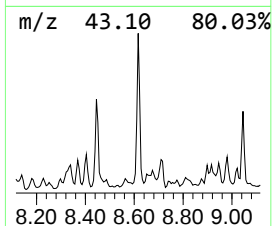
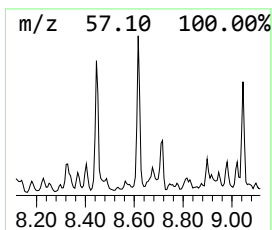
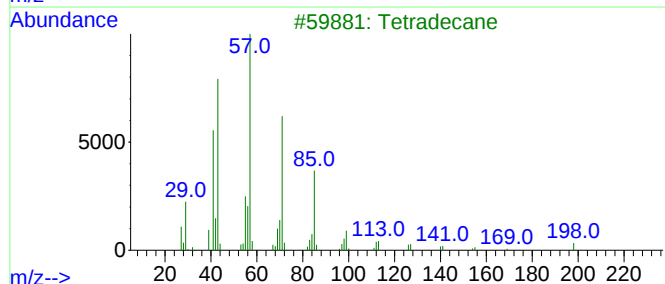
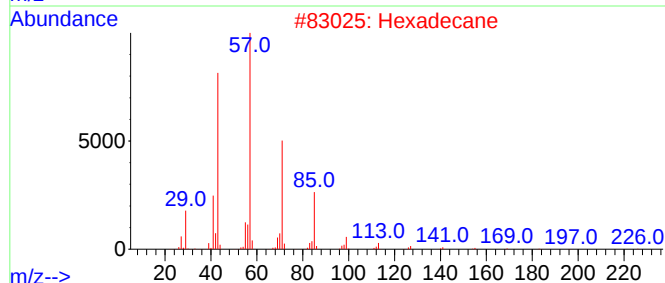
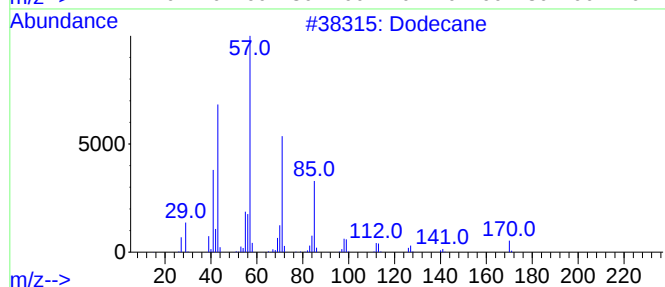
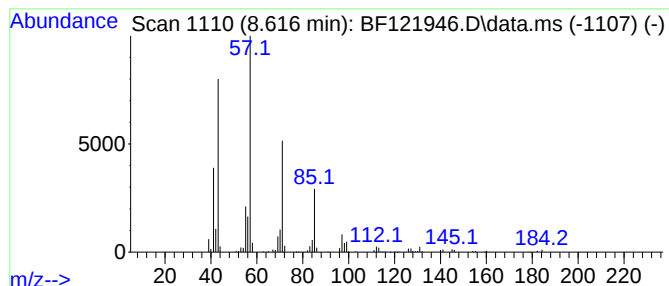
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Dodecane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.616	9.54 ng	492294	Naphthalene-d8	8.028

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Dodecane	170	C12H26	000112-40-3	86
2		Hexadecane	226	C16H34	000544-76-3	86
3		Tetradecane	198	C14H30	000629-59-4	86
4		Tridecane	184	C13H28	000629-50-5	86
5		Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	74



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101320\
Data File : BF121946.D
Acq On : 13 Oct 2020 19:18
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Misc :
ALS Vial : 14 Sample Multiplier: 1

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ClientSampleId :
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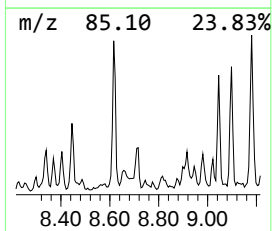
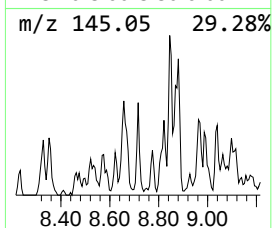
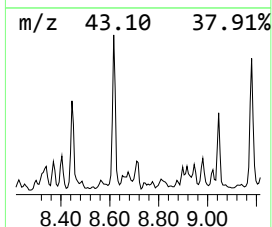
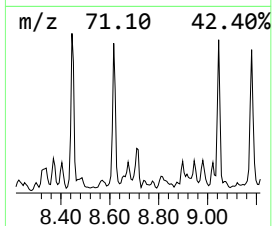
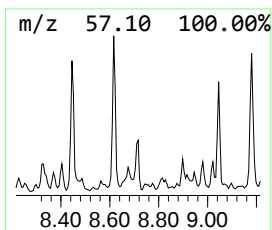
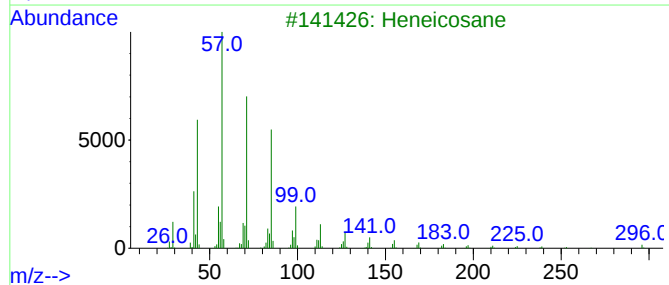
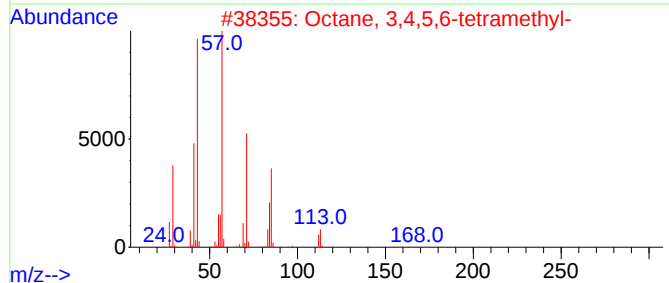
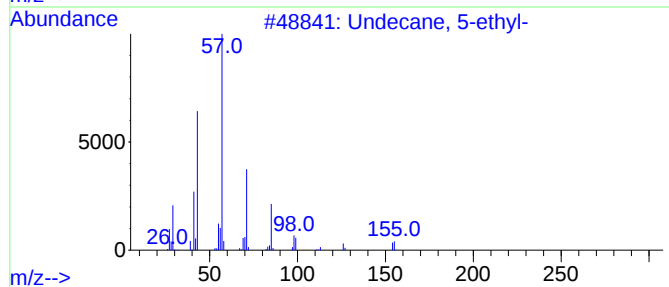
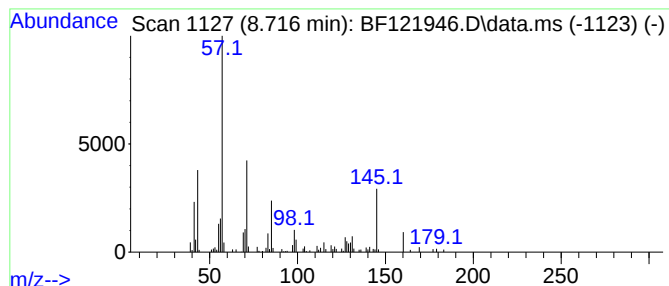
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Undecane, 5-ethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.716	3.71 ng	191464	Naphthalene-d8	8.028

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 5-ethyl-	184	C13H28	017453-94-0	50
2			Octane, 3,4,5,6-tetramethyl-	170	C12H26	062185-21-1	46
3			Heneicosane	296	C21H44	000629-94-7	43
4			Octane, 4-ethyl-	142	C10H22	015869-86-0	43
5			Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101320\
Data File : BF121946.D
Acq On : 13 Oct 2020 19:18
Operator : JU/CG
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Misc :
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Instrument :
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ClientSampleId :
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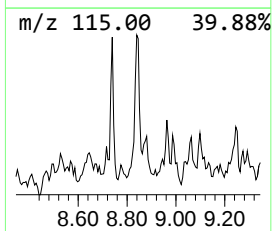
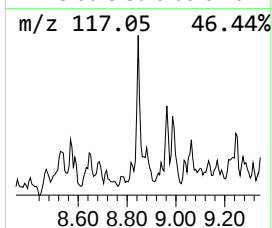
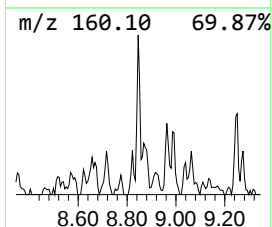
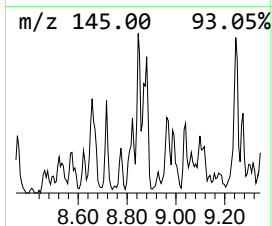
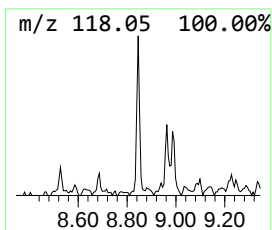
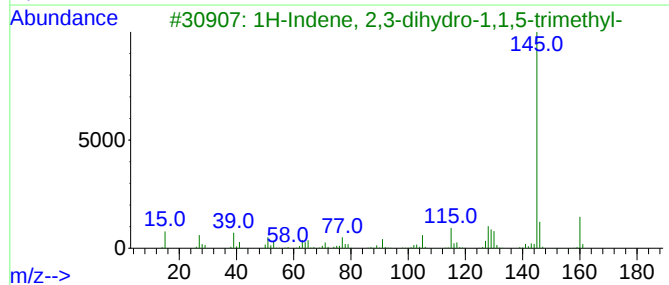
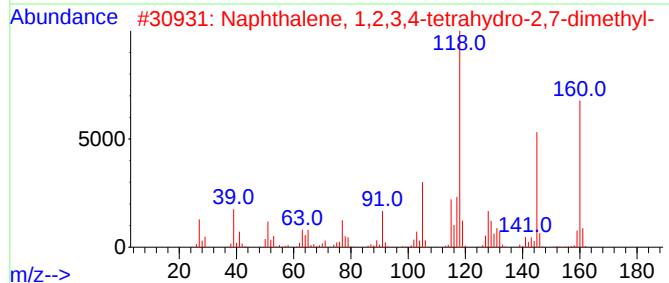
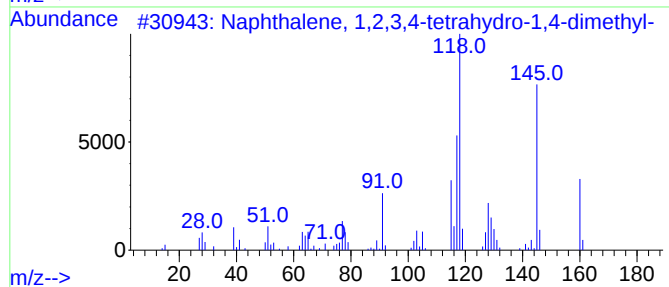
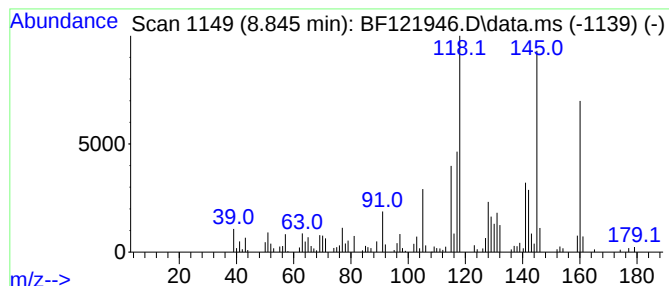
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Naphthalene, 1,2,3,4-tetra... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.845	4.75 ng	245096	Naphthalene-d8	8.028

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	93
2			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	013065-07-1	60
3			1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	50
4			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	007524-63-2	49
5			Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	46



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101320\
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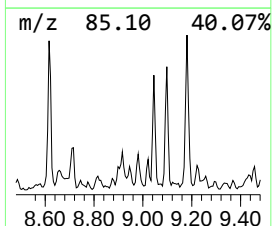
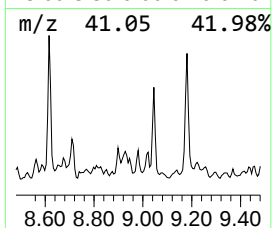
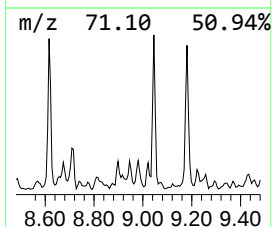
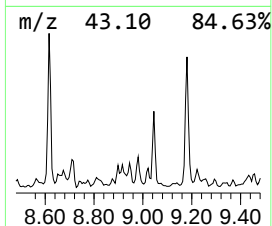
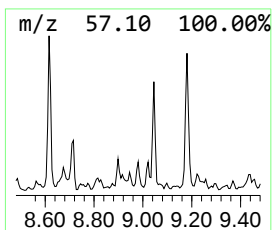
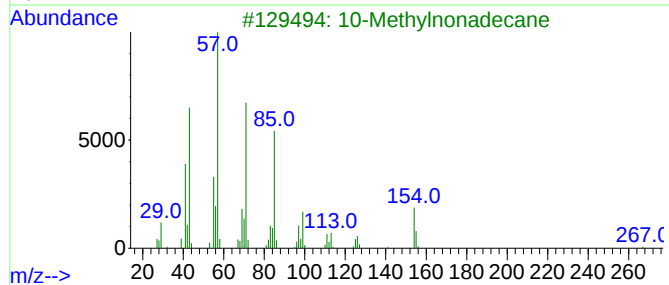
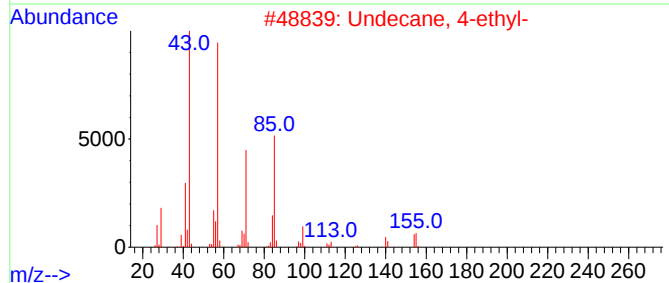
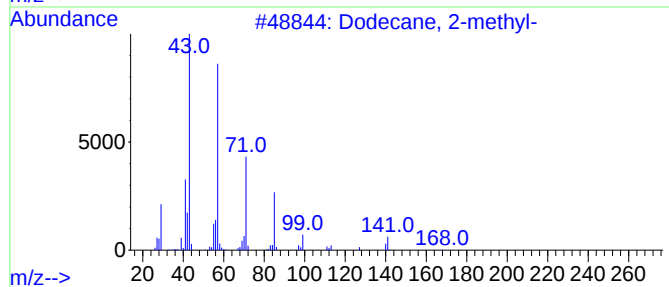
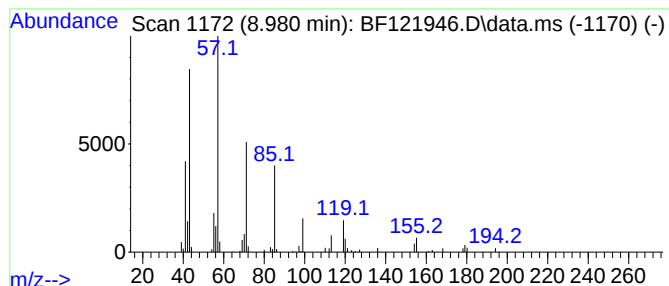
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Dodecane, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.980	2.40 ng	91402	Acenaphthene-d10	9.774

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 2-methyl-	184	C13H28	001560-97-0	59
2			Undecane, 4-ethyl-	184	C13H28	017312-59-3	59
3			10-Methylnonadecane	282	C20H42	056862-62-5	59
4			3,5-Dimethyldodecane	198	C14H30	107770-99-0	59
5			Sulfurous acid, 2-propyl tetradec...	320	C17H36O3S	1000309-12-5	53



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101320\
Data File : BF121946.D
Acq On : 13 Oct 2020 19:18
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Misc :
ALS Vial : 14 Sample Multiplier: 1

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ClientSampleId :
HR-01-101220

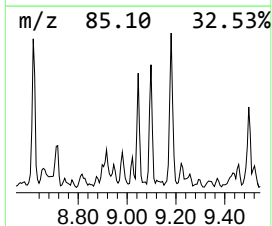
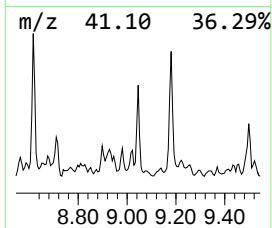
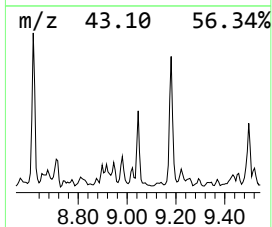
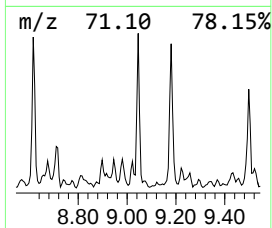
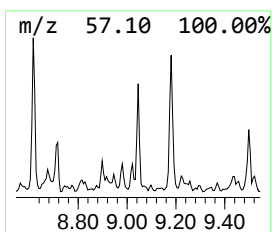
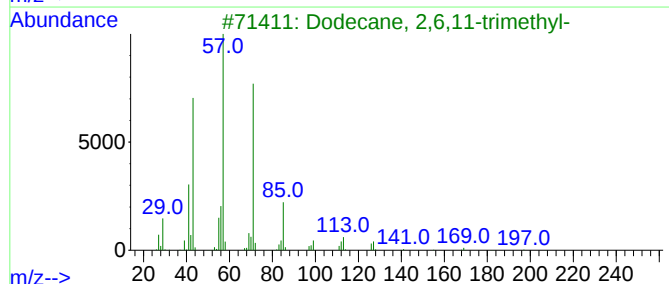
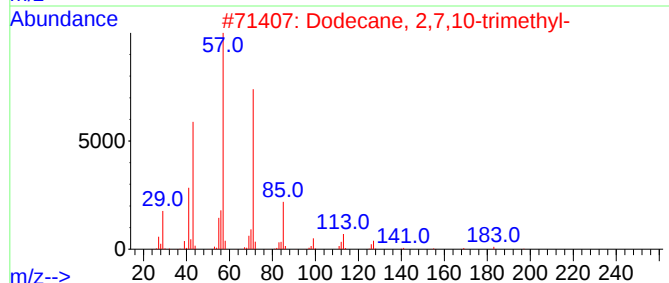
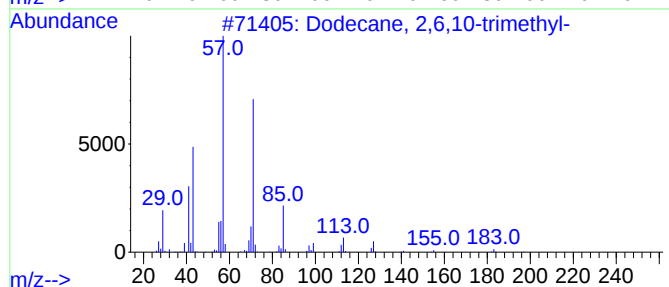
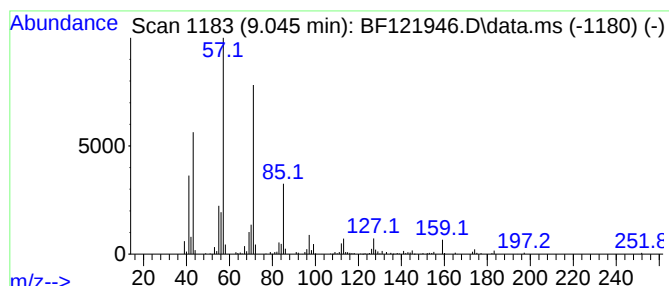
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Dodecane, 2,6,10-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.045	8.76 ng	333472	Acenaphthene-d10	9.774

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	90
2			Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	87
3			Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	72
4			Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	53
5			Nonane, 5-methyl-5-propyl-	184	C13H28	017312-75-3	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101320\
Data File : BF121946.D
Acq On : 13 Oct 2020 19:18
Operator : JU/CG
Sample : L4217-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HR-01-101220

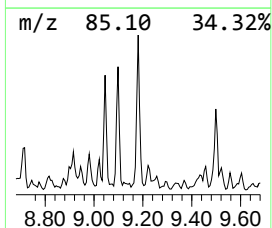
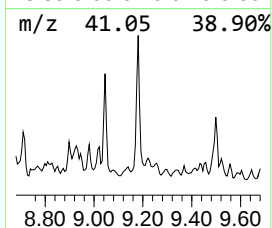
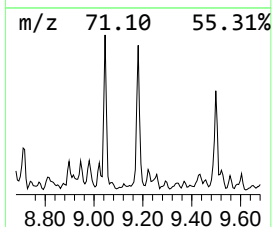
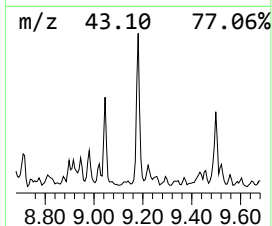
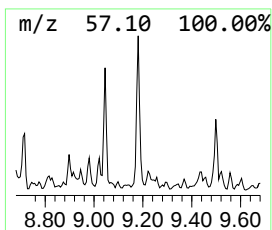
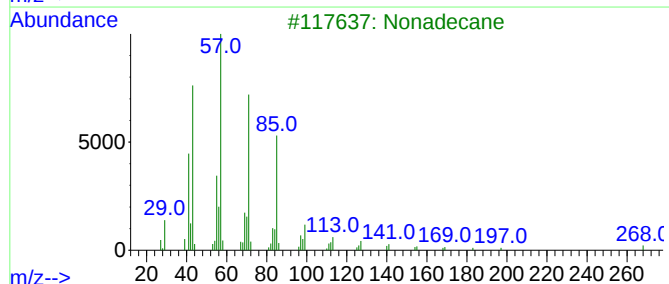
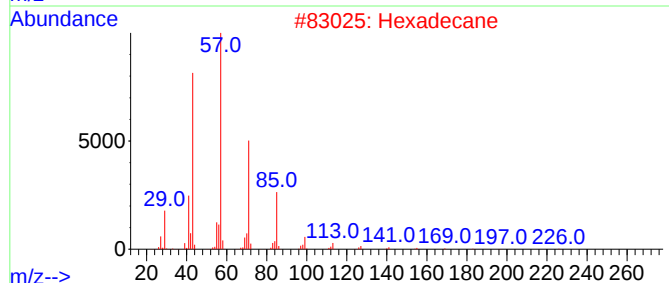
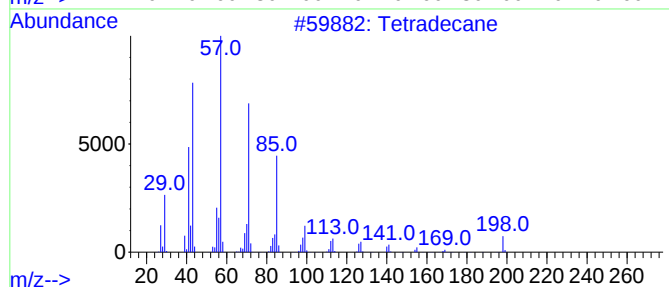
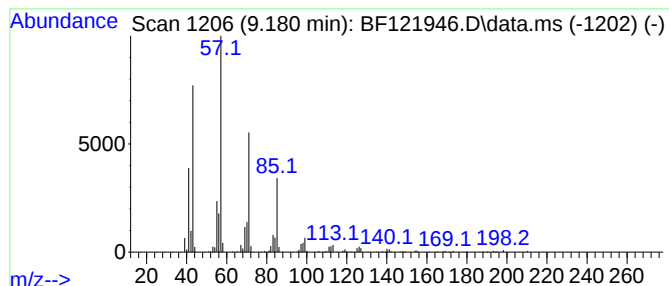
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Tetradecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.180	13.18 ng	501972	Acenaphthene-d10	9.774

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tetradecane	198	C14H30	000629-59-4	95
2		Hexadecane	226	C16H34	000544-76-3	90
3		Nonadecane	268	C19H40	000629-92-5	90
4		Tridecane, 6-methyl-	198	C14H30	013287-21-3	87
5		9-methylheptadecane	254	C18H38	026741-18-4	83



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101320\
Data File : BF121946.D
Acq On : 13 Oct 2020 19:18
Operator : JU/CG
Sample : L4217-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HR-01-101220

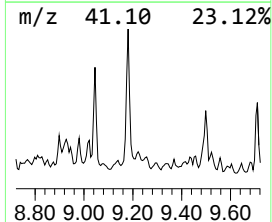
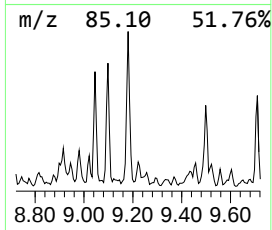
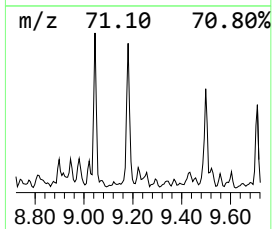
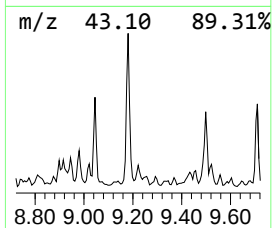
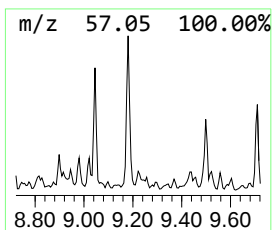
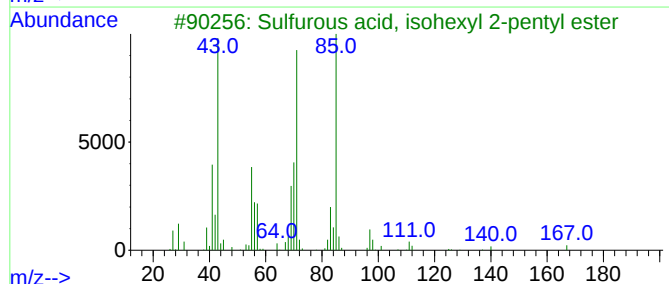
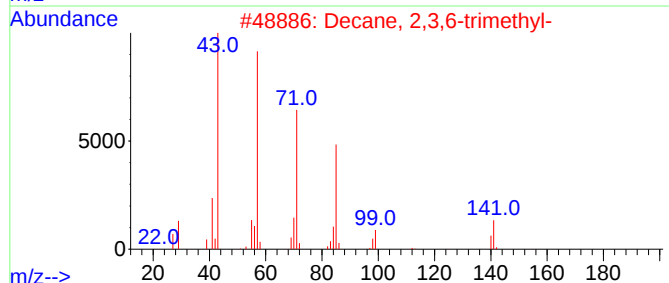
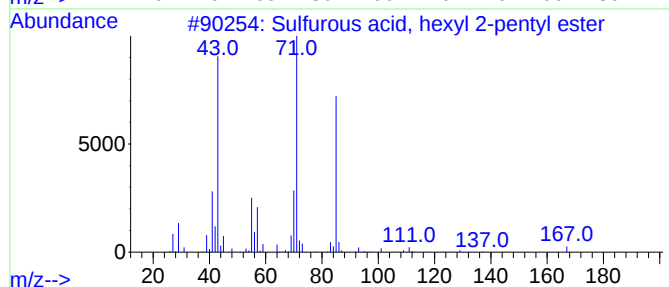
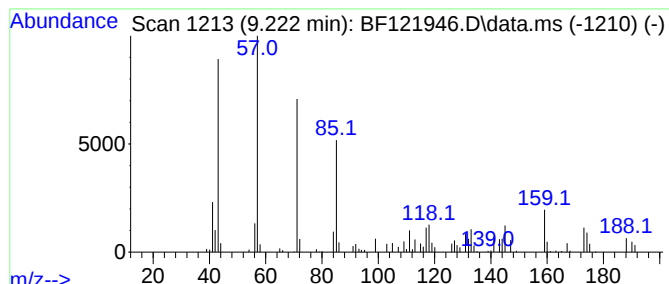
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 unknown9.222 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.222	2.56 ng	97661	Acenaphthene-d10	9.774

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Sulfurous acid, hexyl 2-pentyl e...	236	C11H24O3S	1000309-15-6	35
2		Decane, 2,3,6-trimethyl-	184	C13H28	062238-12-4	35
3		Sulfurous acid, isohexyl 2-penty...	236	C11H24O3S	1000309-15-5	35
4		Sulfurous acid, hexyl pentyl ester	236	C11H24O3S	1000309-14-1	35
5		Sulfurous acid, hexyl octyl ester	278	C14H30O3S	1000309-13-0	35



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101320\
Data File : BF121946.D
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Operator : JU/CG
Sample : L4217-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

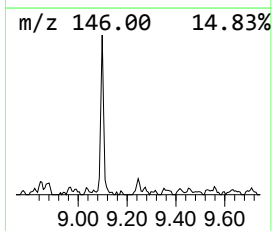
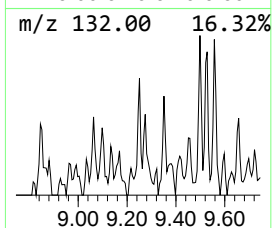
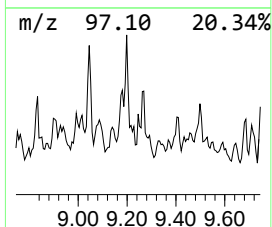
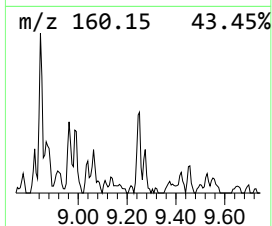
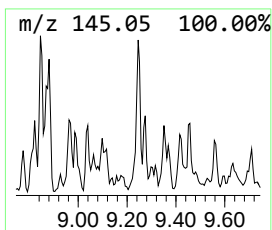
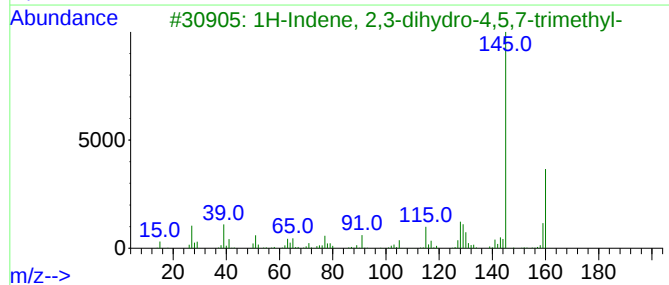
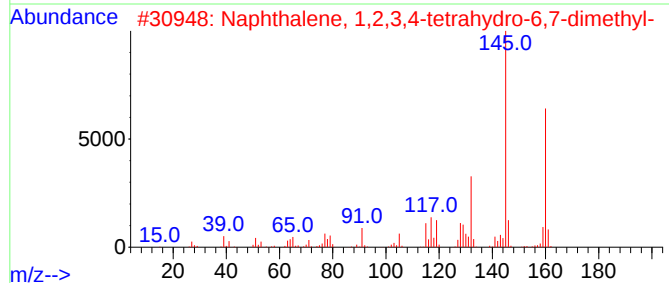
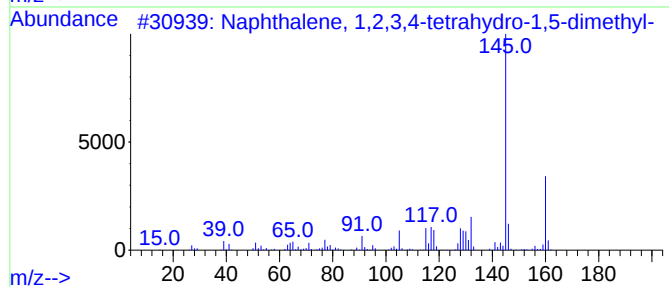
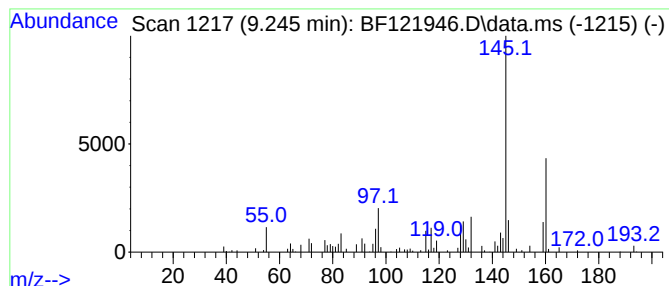
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Naphthalene, 1,2,3,4-tetrahydro-... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
9.245	2.82 ng	107482	Acenaphthene-d10	9.774	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	81
2	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	81
3	1H-Indene, 2,3-dihydro-4,5,7-tri...	160	C12H16	006682-06-0	76
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021693-54-9	74
5	Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	74



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101320\
Data File : BF121946.D
Acq On : 13 Oct 2020 19:18
Operator : JU/CG
Sample : L4217-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HR-01-101220

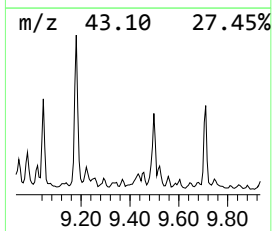
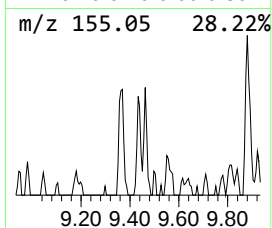
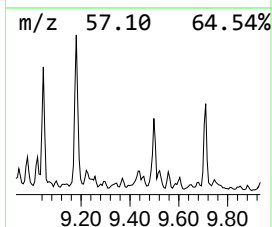
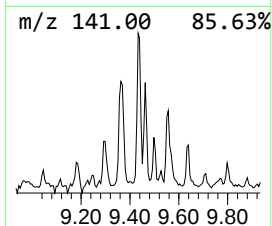
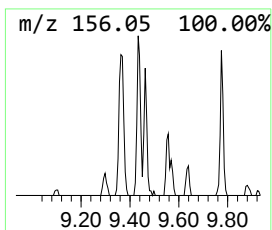
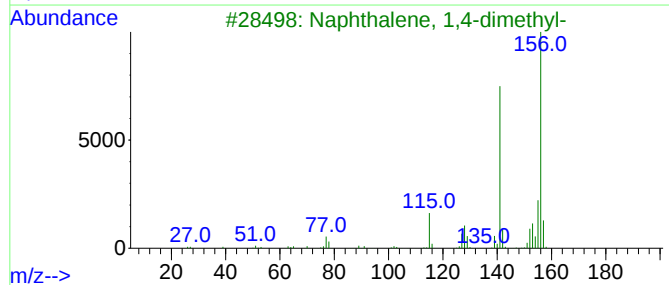
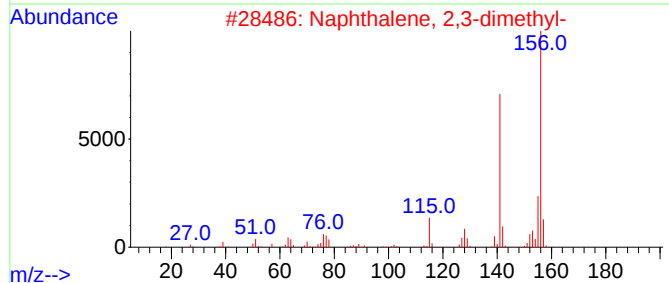
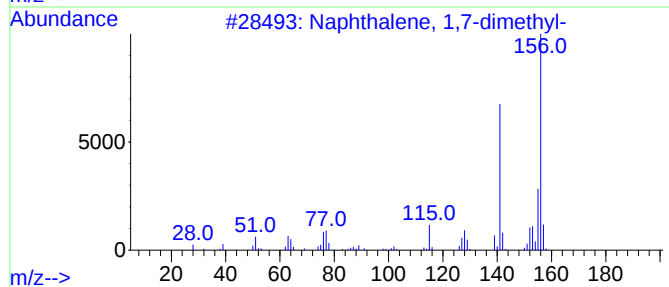
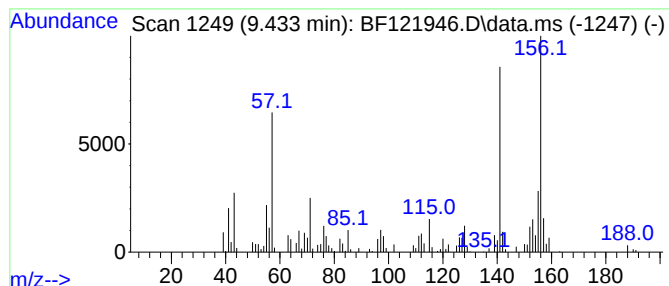
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 Naphthalene, 1,7-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.433	2.52 ng	95923	Acenaphthene-d10	9.774

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	93
2			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	93
3			Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	93
4			Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	91
5			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101320\
Data File : BF121946.D
Acq On : 13 Oct 2020 19:18
Operator : JU/CG
Sample : L4217-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HR-01-101220

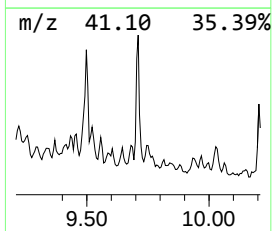
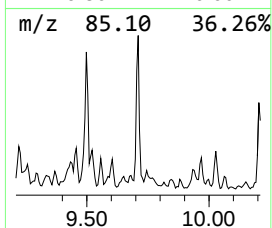
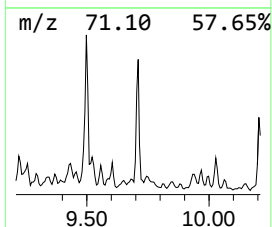
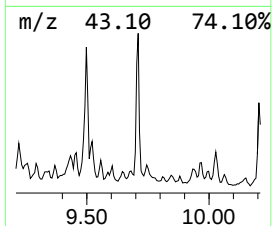
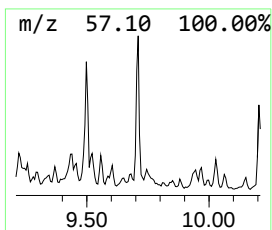
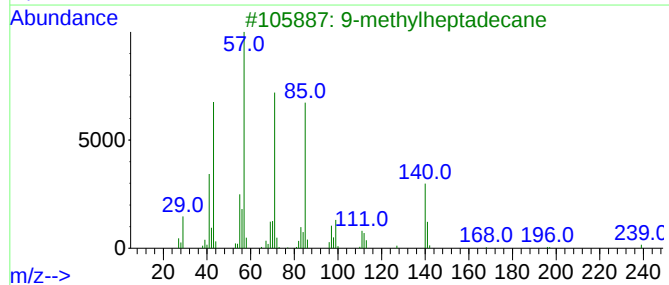
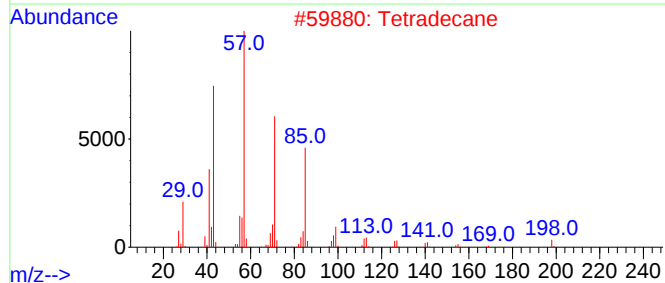
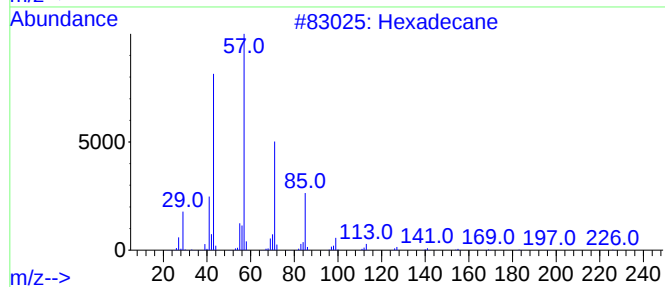
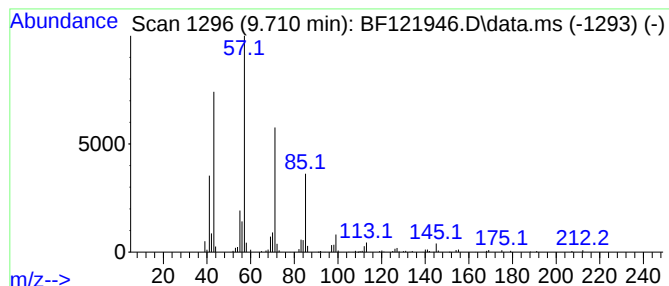
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Hexadecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.710	6.51 ng	247914	Acenaphthene-d10	9.774

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	90
2	Tetradecane	198	C14H30	000629-59-4	86
3	9-methylheptadecane	254	C18H38	026741-18-4	72
4	Nonane, 5-butyl-	184	C13H28	017312-63-9	72
5	Tridecane	184	C13H28	000629-50-5	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101320\
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Acq On : 13 Oct 2020 19:18
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Misc :
ALS Vial : 14 Sample Multiplier: 1

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ClientSampleId :
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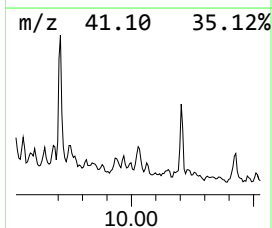
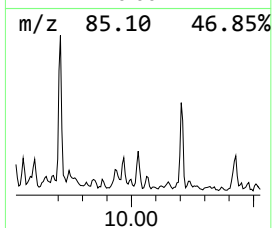
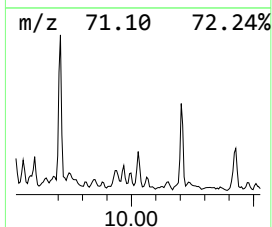
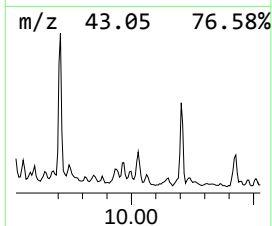
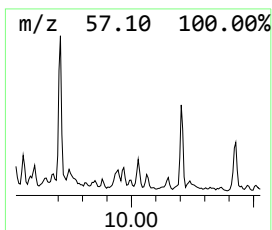
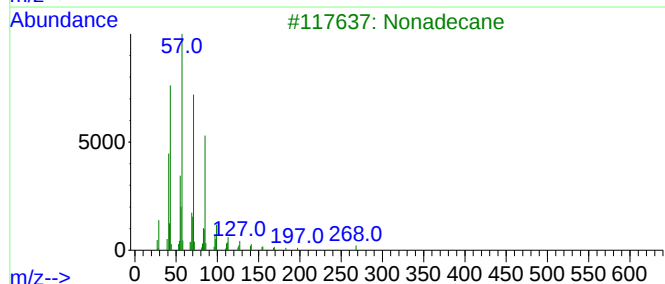
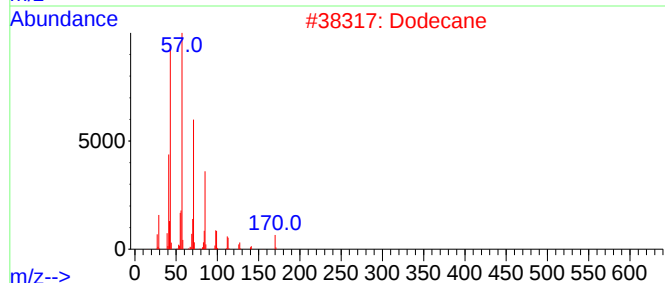
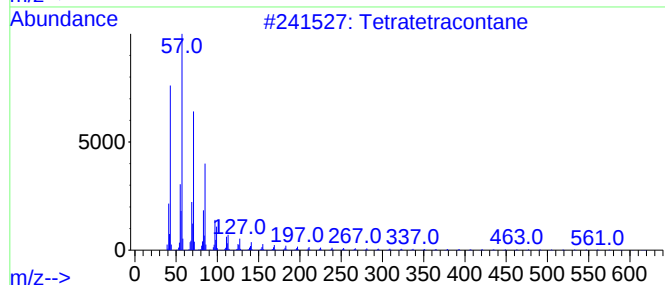
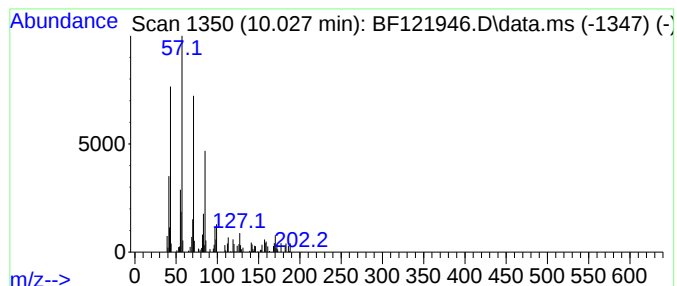
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 Tetratetracontane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.027	2.39 ng	91119	Acenaphthene-d10	9.774

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tetratetracontane	619	C44H90	007098-22-8	83
2		Dodecane	170	C12H26	000112-40-3	81
3		Nonadecane	268	C19H40	000629-92-5	80
4		Heptadecane, 8-methyl-	254	C18H38	013287-23-5	80
5		Octacosane	394	C28H58	000630-02-4	80



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101320\
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Acq On : 13 Oct 2020 19:18
Operator : JU/CG
Sample : L4217-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HR-01-101220

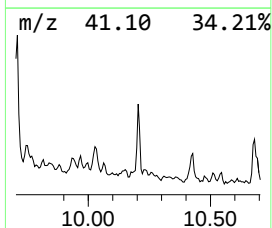
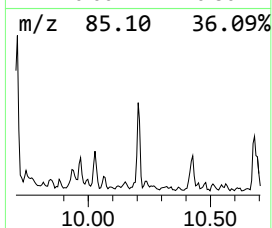
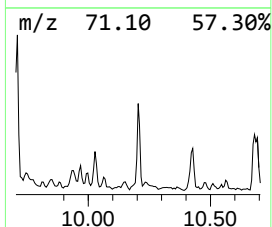
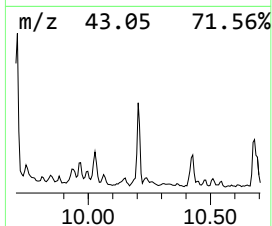
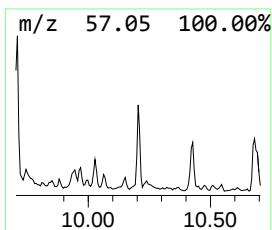
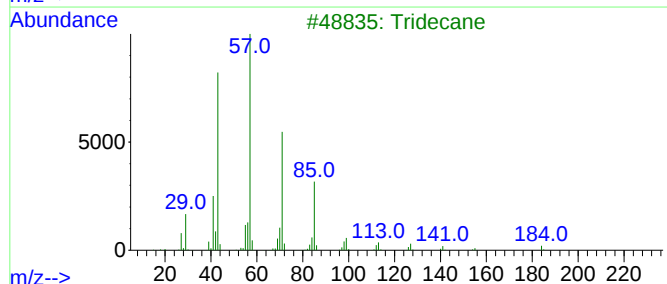
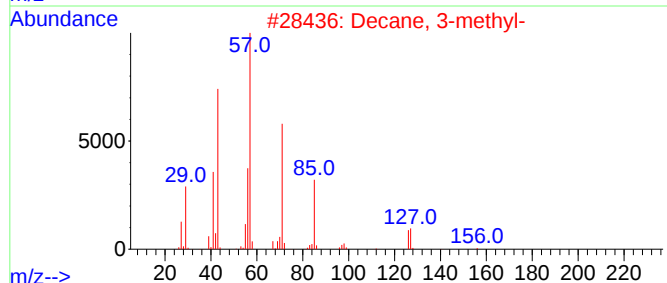
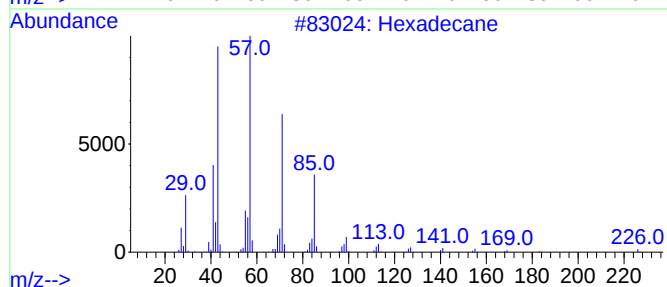
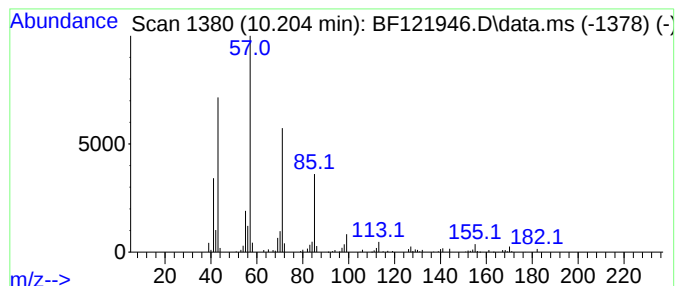
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 Decane, 3-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.204	3.51 ng	133778	Acenaphthene-d10	9.774

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Hexadecane	226	C16H34	000544-76-3	91
2		Decane, 3-methyl-	156	C11H24	013151-34-3	83
3		Tridecane	184	C13H28	000629-50-5	80
4		Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	80
5		Octadecane	254	C18H38	000593-45-3	78



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101320\
Data File : BF121946.D
Acq On : 13 Oct 2020 19:18
Operator : JU/CG
Sample : L4217-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HR-01-101220

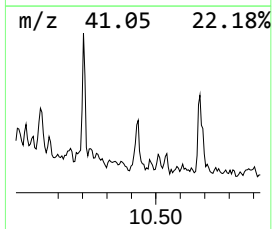
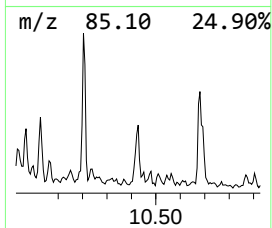
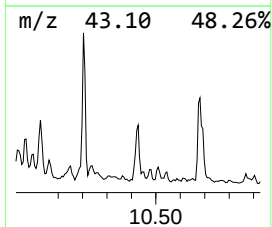
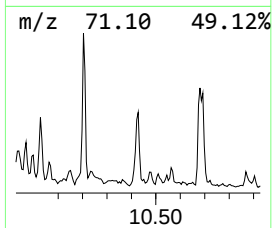
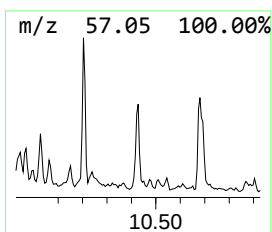
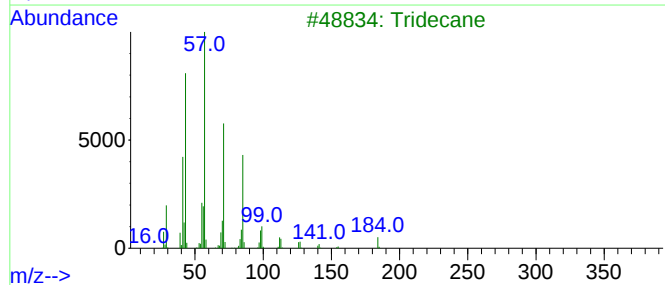
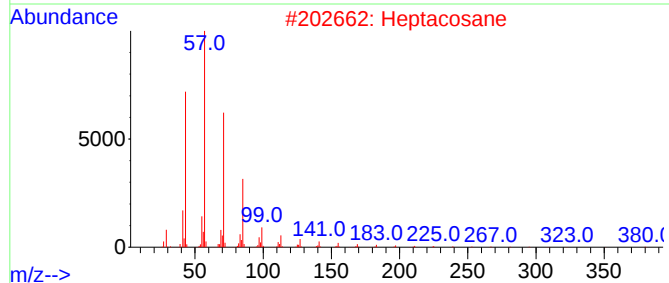
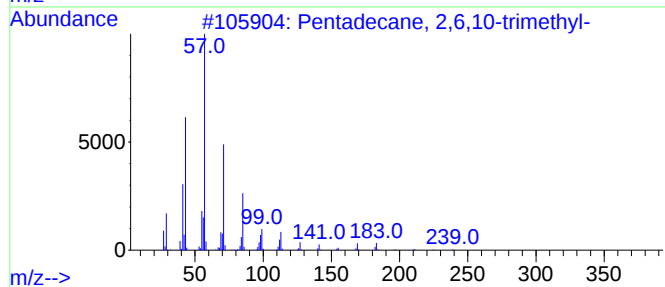
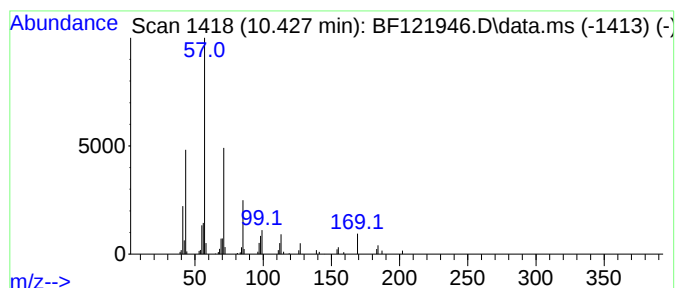
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 Pentadecane, 2,6,10-trimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.427	2.78 ng	105724	Acenaphthene-d10	9.774

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	86
2		Heptacosane	380	C27H56	000593-49-7	80
3		Tridecane	184	C13H28	000629-50-5	76
4		Tridecane, 3-methyl-	198	C14H30	006418-41-3	72
5		Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	70



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101320\
Data File : BF121946.D
Acq On : 13 Oct 2020 19:18
Operator : JU/CG
Sample : L4217-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

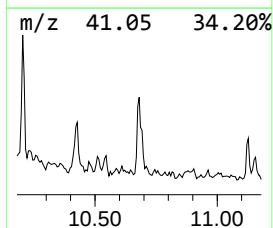
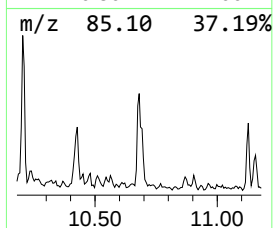
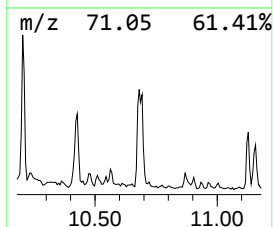
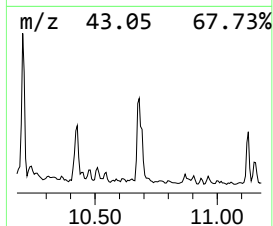
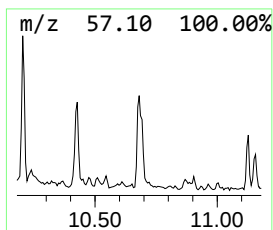
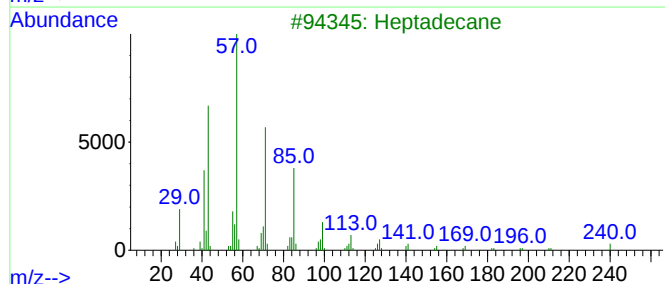
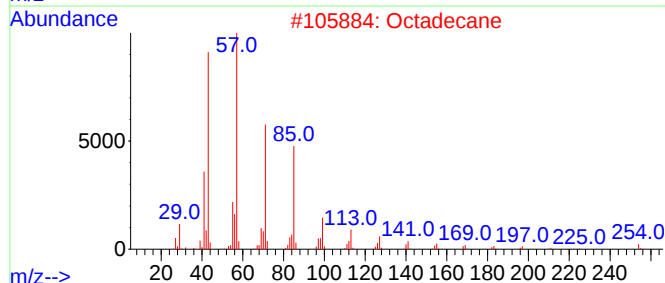
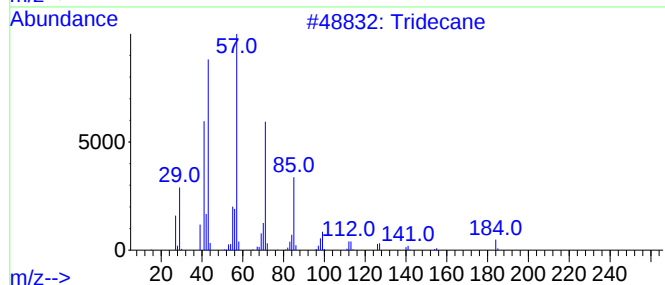
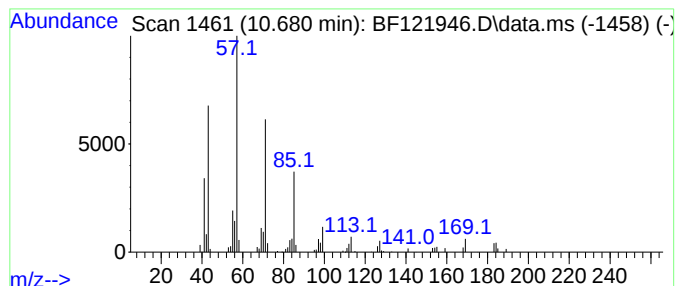
Instrument :
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 Tridecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.680	4.60 ng	170405	Phenanthrene-d10	11.263	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	93
2	Octadecane	254	C18H38	000593-45-3	87
3	Heptadecane	240	C17H36	000629-78-7	86
4	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	86
5	Hexadecane	226	C16H34	000544-76-3	86



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101320\
Data File : BF121946.D
Acq On : 13 Oct 2020 19:18
Operator : JU/CG
Sample : L4217-01 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

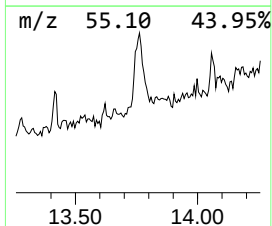
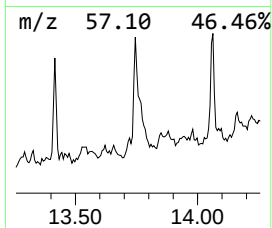
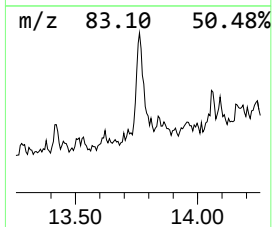
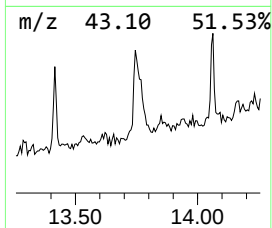
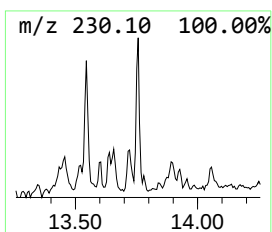
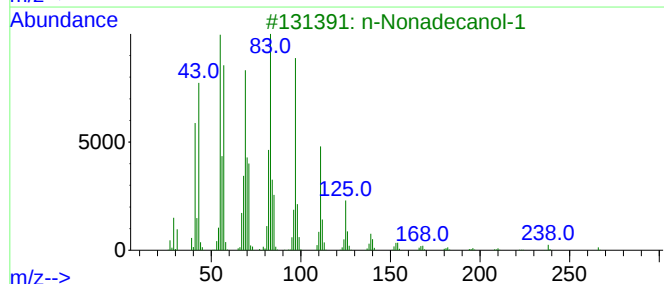
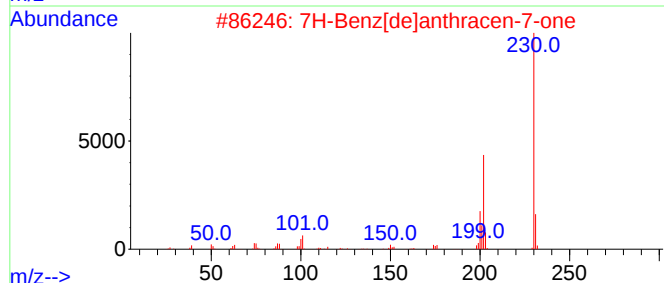
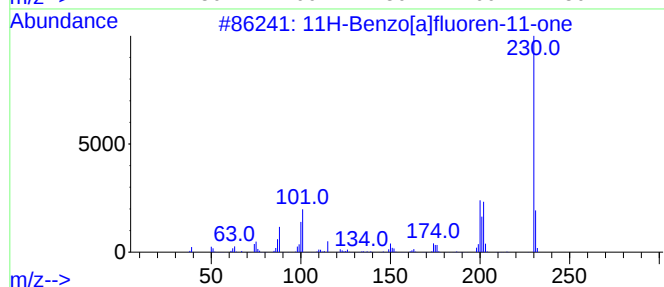
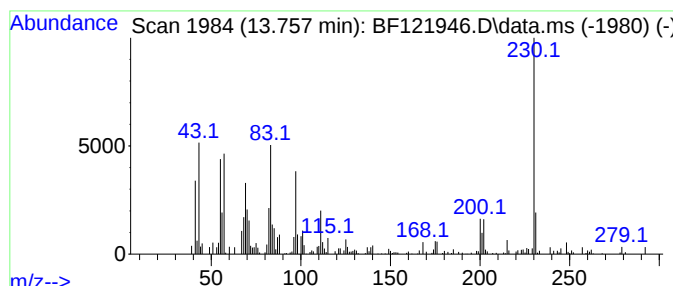
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 11H-Benzo[a]fluoren-11-one Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD		R.T.	
13.757	4.18 ng	195027	Chrysene-d12		13.904	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one		230	C17H10O	000479-79-8	55
2	7H-Benz[de]anthracen-7-one		230	C17H10O	000082-05-3	43
3	n-Nonadecanol-1		284	C19H40O	001454-84-8	42
4	Behenic alcohol		326	C22H46O	000661-19-8	38
5	n-Pentadecanol		228	C15H32O	000629-76-5	35



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101320\
 Data File : BF121946.D
 Acq On : 13 Oct 2020 19:18
 Operator : JU/CG
 Sample : L4217-01 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-01-101220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
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Undecane, 2,6-d...	8.086	5.5	ng	281909	2	8.028	1031920	20.0
unknown8.316	8.316	5.2	ng	267103	2	8.028	1031920	20.0
Sulfurous acid,...	8.404	2.5	ng	129553	2	8.028	1031920	20.0
Heptadecane, 2,...	8.445	7.0	ng	361210	2	8.028	1031920	20.0
Dodecane	8.616	9.5	ng	492294	2	8.028	1031920	20.0
Undecane, 5-ethyl-	8.716	3.7	ng	191464	2	8.028	1031920	20.0
Naphthalene, 1,...	8.845	4.8	ng	245096	2	8.028	1031920	20.0
Dodecane, 2-met...	8.980	2.4	ng	91402	3	9.774	761640	20.0
Dodecane, 2,6,1...	9.045	8.8	ng	333472	3	9.774	761640	20.0
Tetradecane	9.180	13.2	ng	501972	3	9.774	761640	20.0
unknown9.222	9.222	2.6	ng	97661	3	9.774	761640	20.0
Naphthalene, 1,...	9.245	2.8	ng	107482	3	9.774	761640	20.0
Naphthalene, 1,...	9.433	2.5	ng	95923	3	9.774	761640	20.0
Hexadecane	9.710	6.5	ng	247914	3	9.774	761640	20.0
Tetratetracontane	10.027	2.4	ng	91119	3	9.774	761640	20.0
Decane, 3-methyl-	10.204	3.5	ng	133778	3	9.774	761640	20.0
Pentadecane, 2,...	10.427	2.8	ng	105724	3	9.774	761640	20.0
Tridecane	10.680	4.6	ng	170405	4	11.263	741508	20.0
11H-Benzo[a]flu...	13.757	4.2	ng	195027	5	13.904	933331	20.0