

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073021\
 Data File : BF124880.D
 Acq On : 30 Jul 2021 17:19
 Operator : JU/CG
 Sample : M3229-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOLID-A-E

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-BF072221.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF124880.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.487	573	578	581	rBV	138334	120880	27.86%	1.527%
2	6.116	682	685	691	rBV2	12824	17265	3.98%	0.218%
3	6.498	746	750	752	rBV	139018	133814	30.85%	1.690%
4	6.875	811	814	818	rVB2	58168	66257	15.27%	0.837%
5	7.016	835	838	842	rVB	30157	27961	6.45%	0.353%
6	7.145	857	860	862	rVB2	18046	18141	4.18%	0.229%
7	7.269	875	881	883	rBV3	26116	27377	6.31%	0.346%
8	7.404	897	904	906	rBV2	42539	54722	12.61%	0.691%
9	7.434	906	909	914	rVB2	97567	102393	23.60%	1.293%
10	7.516	918	923	926	rVB5	27587	44157	10.18%	0.558%
11	7.569	926	932	936	rBV4	25014	48275	11.13%	0.610%
12	7.645	942	945	948	rVB3	28938	32539	7.50%	0.411%
13	7.681	948	951	953	rVB2	27261	25277	5.83%	0.319%
14	7.751	959	963	965	rBV3	24668	30948	7.13%	0.391%
15	7.769	965	966	968	rVB	26415	16753	3.86%	0.212%
16	7.792	968	970	974	rVB4	40663	36698	8.46%	0.463%
17	7.828	974	976	979	rVB2	25645	23176	5.34%	0.293%
18	7.892	985	987	989	rBV	44024	36969	8.52%	0.467%
19	7.969	997	1000	1006	rBV4	22658	28794	6.64%	0.364%
20	8.022	1006	1009	1012	rBV2	29275	31331	7.22%	0.396%
21	8.104	1018	1023	1026	rBV4	28083	47385	10.92%	0.598%
22	8.157	1026	1032	1037	rVV3	84622	149553	34.47%	1.889%
23	8.216	1037	1042	1044	rVB2	138013	153025	35.27%	1.932%
24	8.239	1044	1046	1049	rBV3	44420	46094	10.63%	0.582%
25	8.310	1054	1058	1060	rBV3	23621	23179	5.34%	0.293%
26	8.357	1063	1066	1068	rVB4	19453	19869	4.58%	0.251%
27	8.445	1074	1081	1085	rBV4	81142	108006	24.90%	1.364%
28	8.504	1088	1091	1094	rVB4	20856	18373	4.24%	0.232%
29	8.539	1094	1097	1099	rBV2	52177	47978	11.06%	0.606%
30	8.575	1099	1103	1106	rBV	144125	155191	35.77%	1.960%
31	8.622	1108	1111	1113	rVB2	47848	47162	10.87%	0.596%
32	8.663	1115	1118	1120	rBV2	47507	42839	9.87%	0.541%
33	8.698	1120	1124	1126	rBV4	22810	29782	6.87%	0.376%
34	8.745	1129	1132	1135	rBV3	37893	48004	11.07%	0.606%
35	8.786	1137	1139	1141	rBV2	16437	18441	4.25%	0.233%
36	8.845	1146	1149	1152	rVB3	71200	71749	16.54%	0.906%

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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-BF072221.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	8.904	1156	1159	1161	rVB2	40163	28260	6.51%	0.357%
38	8.933	1161	1164	1166	rBV3	32490	41237	9.51%	0.521%
39	8.969	1167	1170	1174	rVB	82580	80662	18.59%	1.019%
40	8.998	1174	1175	1178	rVB2	32560	25130	5.79%	0.317%

41	9.033	1178	1181	1183	rBV3	22374	25734	5.93%	0.325%
42	9.063	1183	1186	1190	rVB4	73010	74704	17.22%	0.943%
43	9.104	1190	1193	1195	rBV4	24911	26794	6.18%	0.338%
44	9.181	1203	1206	1210	rVB	207224	179826	41.45%	2.271%
45	9.233	1211	1215	1220	rVB	240604	222145	51.21%	2.805%

46	9.322	1225	1230	1234	rBV3	66087	109042	25.14%	1.377%
47	9.357	1234	1236	1238	rBV2	33454	36571	8.43%	0.462%
48	9.433	1246	1249	1253	rVB	73375	76456	17.62%	0.966%
49	9.504	1257	1261	1264	rVB	147181	192356	44.34%	2.429%
50	9.551	1266	1269	1270	rVV3	30525	26200	6.04%	0.331%

51	9.580	1270	1274	1276	rVV	197917	245177	56.52%	3.096%
52	9.604	1276	1278	1280	rVV	133212	124939	28.80%	1.578%
53	9.639	1280	1284	1286	rVV2	282566	337883	77.88%	4.267%
54	9.663	1286	1288	1290	rVB2	28262	22616	5.21%	0.286%
55	9.692	1290	1293	1295	rBV	99227	96003	22.13%	1.212%

56	9.733	1298	1300	1302	rVB3	39569	32421	7.47%	0.409%
57	9.780	1305	1308	1311	rVB2	97424	97910	22.57%	1.236%
58	9.828	1311	1316	1319	rVB2	105990	116373	26.82%	1.470%
59	9.857	1319	1321	1323	rBV3	21159	23135	5.33%	0.292%
60	9.916	1323	1331	1333	rBV5	86628	148302	34.18%	1.873%

61	9.951	1335	1337	1340	rVB3	44615	31861	7.34%	0.402%
62	10.022	1345	1349	1353	rVB	119427	148338	34.19%	1.873%
63	10.063	1353	1356	1360	rBV3	54714	73504	16.94%	0.928%
64	10.122	1361	1366	1369	rVB2	152321	184619	42.56%	2.331%
65	10.163	1369	1373	1382	rVB3	190376	245241	56.53%	3.097%

66	10.233	1382	1385	1388	rBV	120782	136575	31.48%	1.725%
67	10.263	1388	1390	1392	rVB	95510	66620	15.36%	0.841%
68	10.286	1392	1394	1397	rVB3	47368	40657	9.37%	0.513%
69	10.327	1397	1401	1403	rBV4	109718	147993	34.11%	1.869%
70	10.375	1406	1409	1411	rBV3	34333	37896	8.74%	0.479%

71	10.404	1411	1414	1418	rVB4	37771	58986	13.60%	0.745%
72	10.457	1421	1423	1426	rBV2	50388	51640	11.90%	0.652%
73	10.533	1434	1436	1437	rBV2	28091	17331	3.99%	0.219%
74	10.569	1437	1442	1446	rVB2	212283	259043	59.71%	3.271%
75	10.616	1446	1450	1455	rVB5	51752	101962	23.50%	1.288%

76	10.686	1455	1462	1463	rBV5	55158	83299	19.20%	1.052%
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77	10.710	1463	1466	1469	rVV3	132802	115424	26.61%	1.458%
78	10.739	1470	1471	1476	rVB4	49599	49137	11.33%	0.621%
79	10.792	1476	1480	1481	rBV4	15110	21096	4.86%	0.266%
80	10.833	1483	1487	1493	rVB2	396114	433823	100.00%	5.479%
81	10.904	1496	1499	1501	rBV2	47216	40589	9.36%	0.513%
82	11.004	1514	1516	1519	rVB3	38303	40994	9.45%	0.518%
83	11.045	1519	1523	1526	rBV3	83112	81292	18.74%	1.027%
84	11.151	1535	1541	1548	rBV9	52271	115128	26.54%	1.454%
85	11.210	1548	1551	1554	rVV4	24058	22067	5.09%	0.279%
86	11.292	1562	1565	1572	rVB2	170803	209011	48.18%	2.640%
87	11.404	1581	1584	1586	rBV	101304	96462	22.24%	1.218%
88	11.427	1586	1588	1591	rVB	47688	39480	9.10%	0.499%
89	11.522	1598	1604	1606	rBV4	32747	58604	13.51%	0.740%
90	11.639	1621	1624	1635	rVB5	62654	94854	21.86%	1.198%
91	11.733	1635	1640	1645	rBV4	32439	47864	11.03%	0.604%
92	11.904	1666	1669	1672	rBV	42893	45604	10.51%	0.576%
93	11.933	1672	1674	1677	rVB	53439	43906	10.12%	0.554%
94	11.992	1681	1684	1685	rVV3	16886	20271	4.67%	0.256%
95	12.010	1685	1687	1690	rVV2	43821	42692	9.84%	0.539%
96	12.374	1746	1749	1752	rBV2	27780	27867	6.42%	0.352%
97	12.451	1760	1762	1765	rBV	28264	24474	5.64%	0.309%
98	12.986	1848	1853	1855	rVB	183328	160129	36.91%	2.022%
99	14.039	2028	2032	2035	rBV	38534	32493	7.49%	0.410%
100	15.515	2278	2283	2288	rBB2	23872	29453	6.79%	0.372%

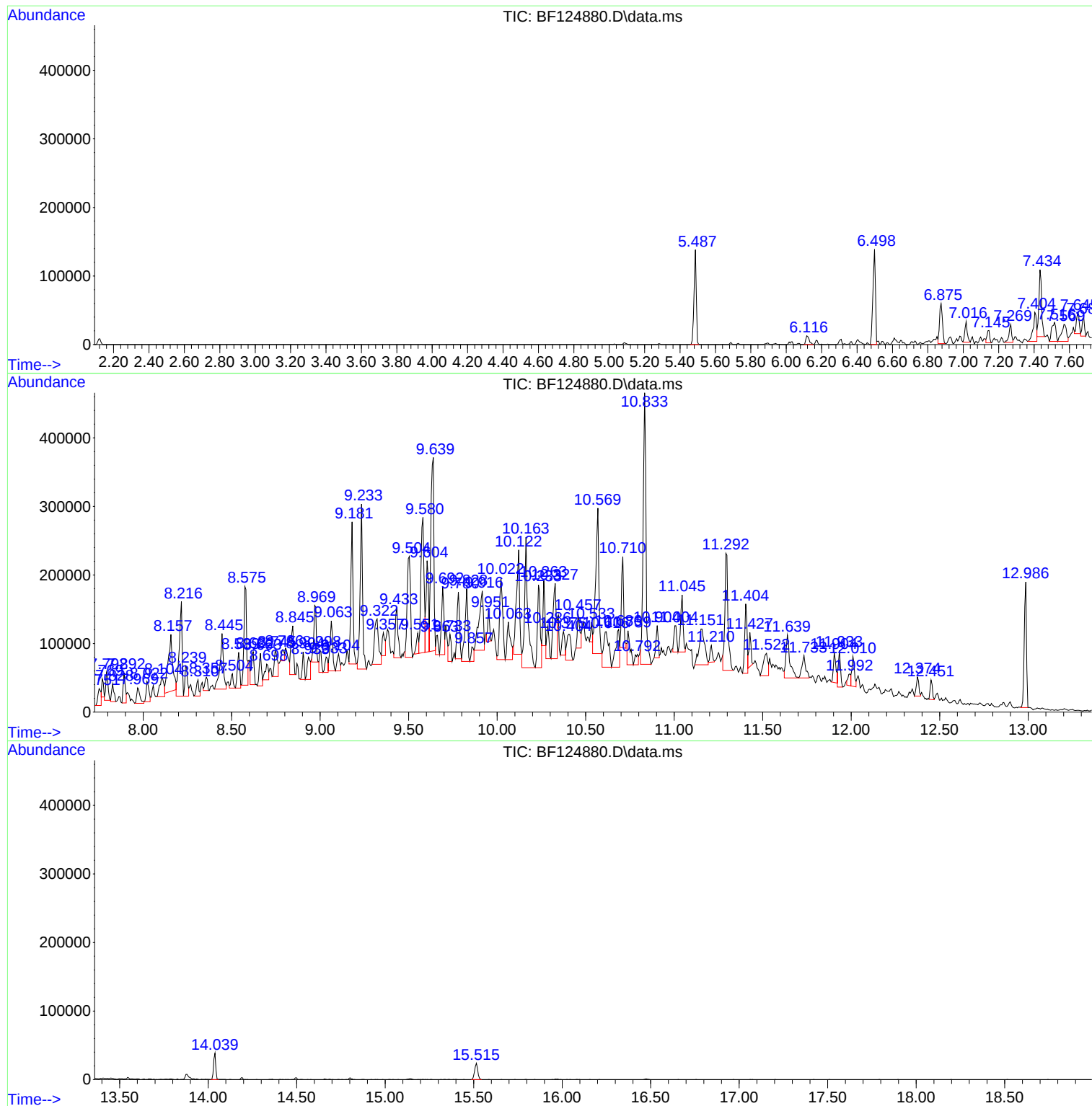
Sum of corrected areas: 7918512

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073021\
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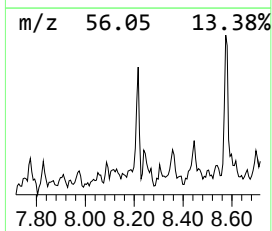
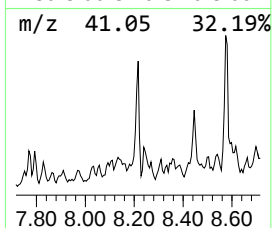
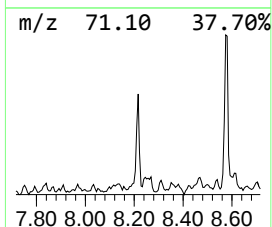
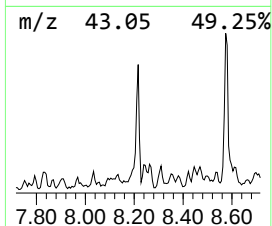
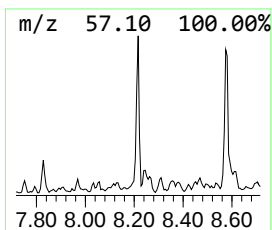
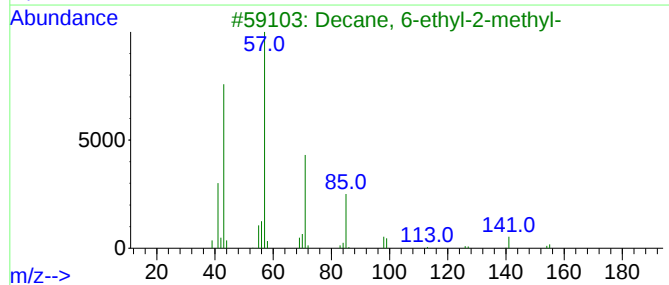
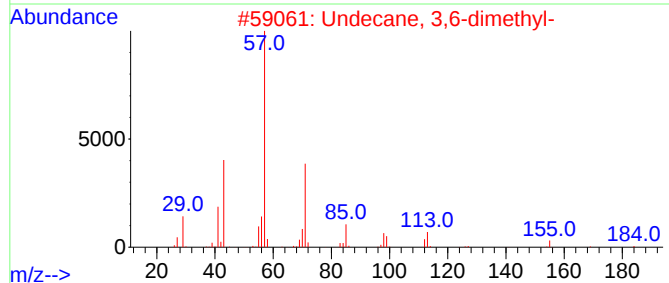
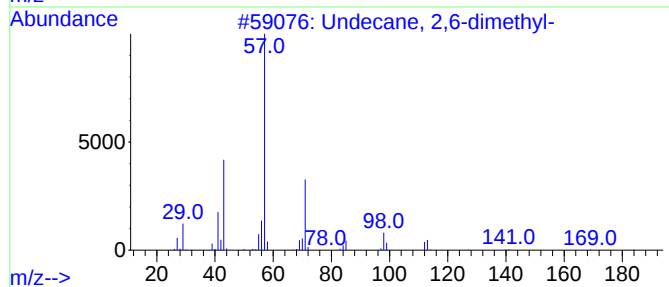
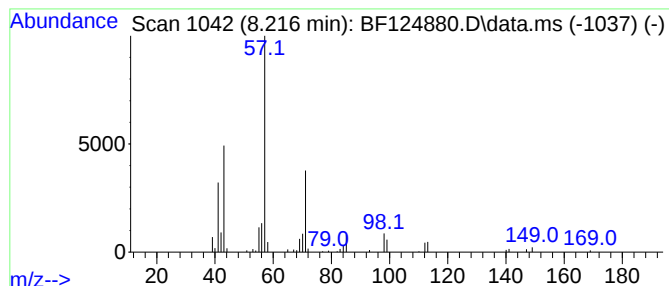
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Undecane, 3,6-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.216	20.46 ng	153025	Naphthalene-d8	8.157

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	80		
2	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	72		
3	Decane, 6-ethyl-2-methyl-	184	C13H28	062108-21-8	64		
4	Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	59		
5	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	50		



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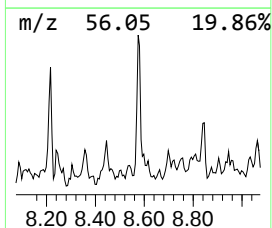
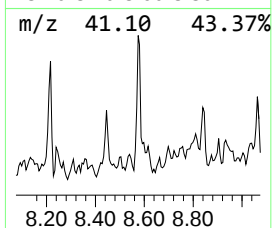
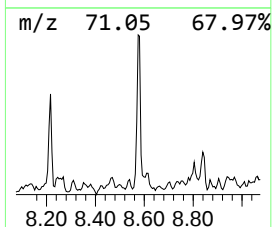
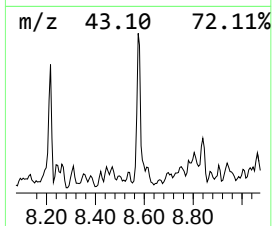
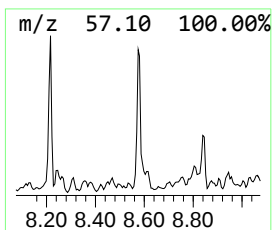
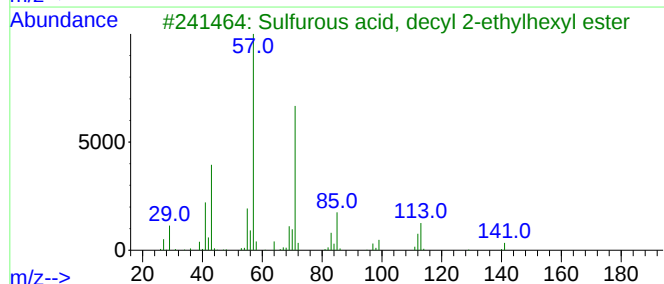
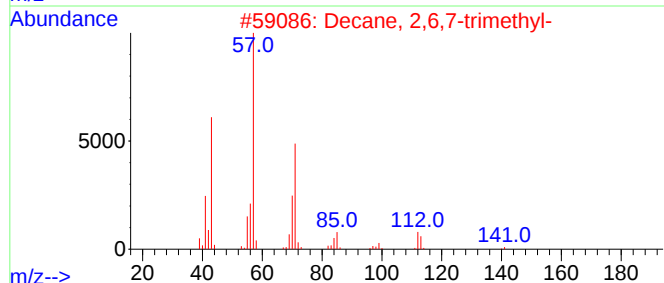
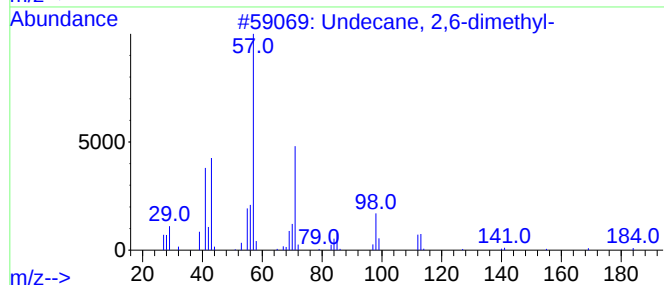
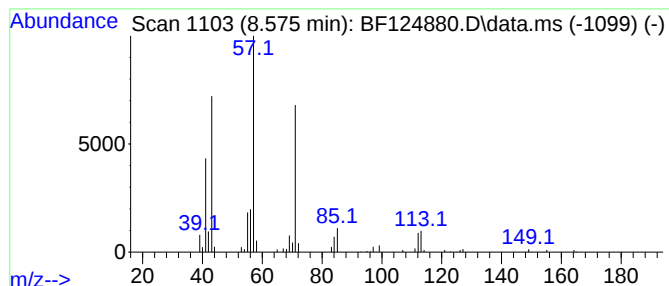
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Undecane, 2,6-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.575	20.75 ng	155191	Naphthalene-d8	8.157

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	83
2			Decane, 2,6,7-trimethyl-	184	C13H28	062108-25-2	83
3			Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	72
4			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72
5			Oxalic acid, bis(2-ethylhexyl) e...	314	C18H34O4	1000309-39-0	64



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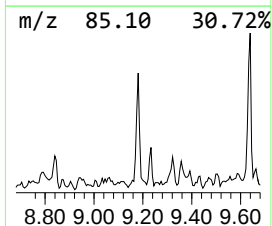
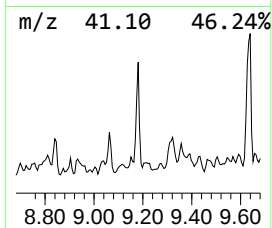
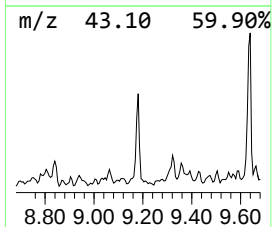
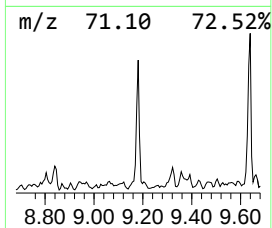
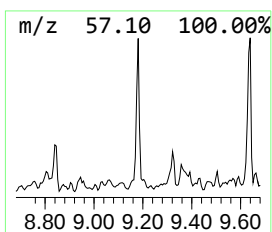
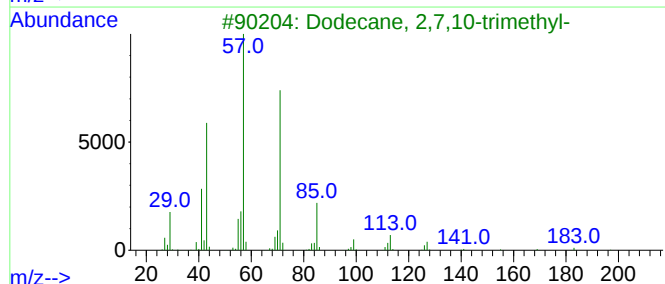
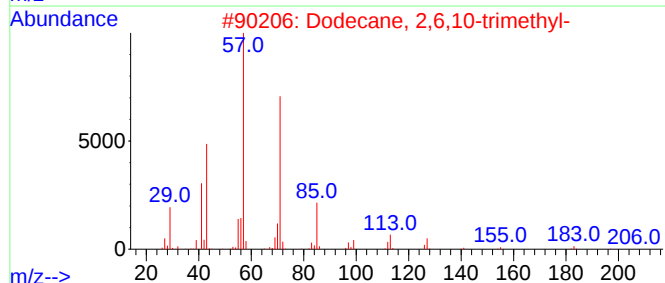
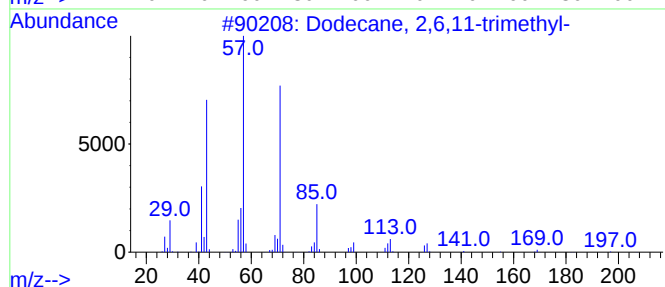
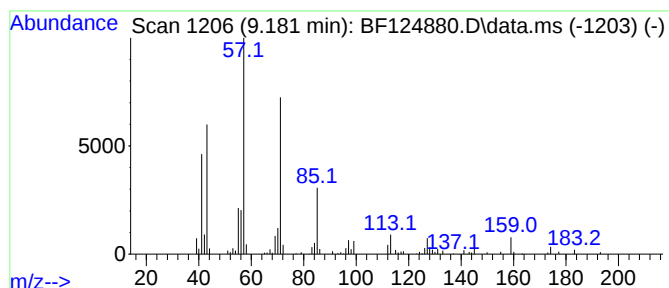
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Dodecane, 2,6,11-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.181	24.25 ng	179826	Acenaphthene-d10	9.916

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	90
2			Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	90
3			Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	87
4			Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	64
5			Nonane, 3-methyl-	142	C10H22	005911-04-6	59



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Data File : BF124880.D
Acq On : 30 Jul 2021 17:19
Operator : JU/CG
Sample : M3229-01
Misc :
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ClientSampleId :
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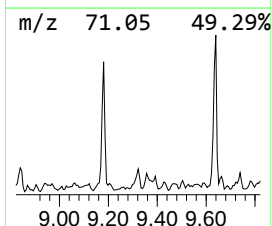
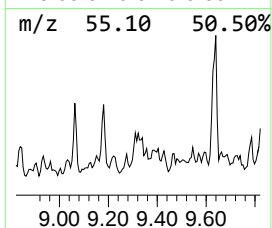
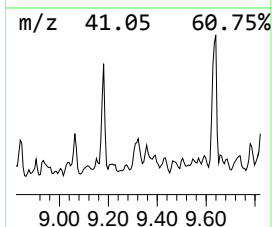
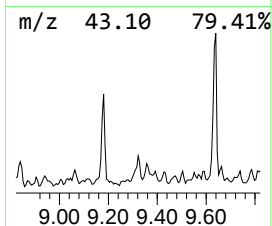
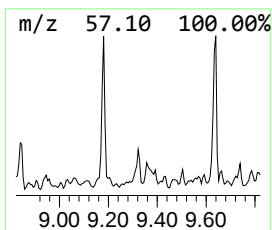
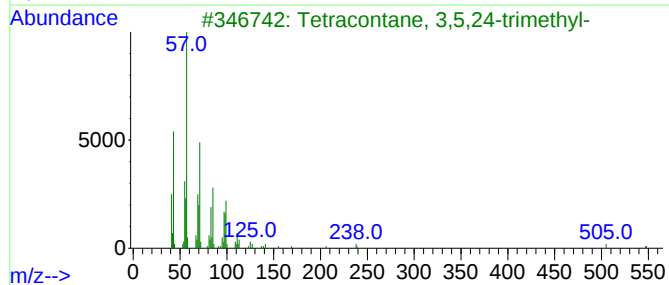
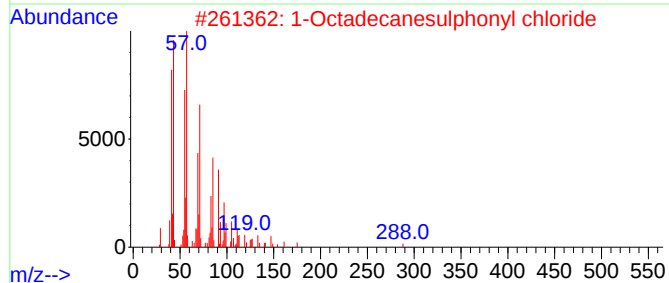
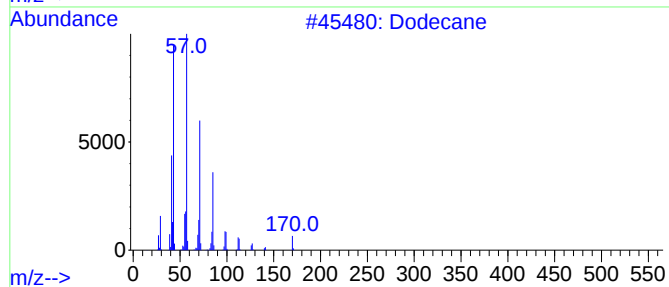
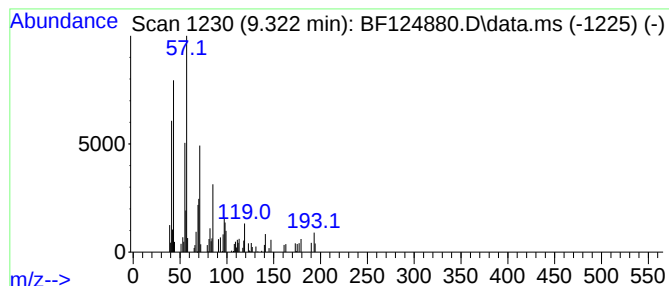
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Dodecane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.322	14.71 ng	109042	Acenaphthene-d10	9.916

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dodecane	170	C12H26	000112-40-3	58
2			1-Octadecanesulphonyl chloride	352	C18H37ClO2S	1000342-70-4	58
3			Tetracontane, 3,5,24-trimethyl-	605	C43H88	055162-61-3	58
4			Tridecane	184	C13H28	000629-50-5	52
5			Tetradecane	198	C14H30	000629-59-4	52



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073021\
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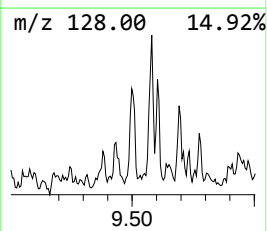
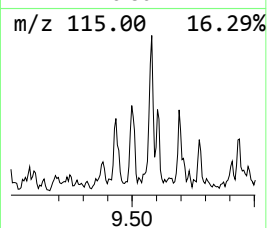
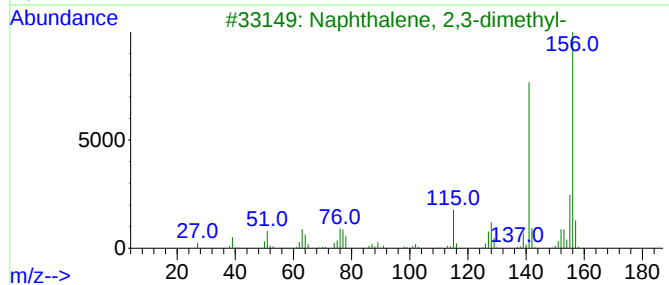
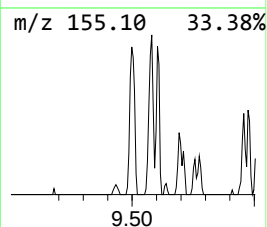
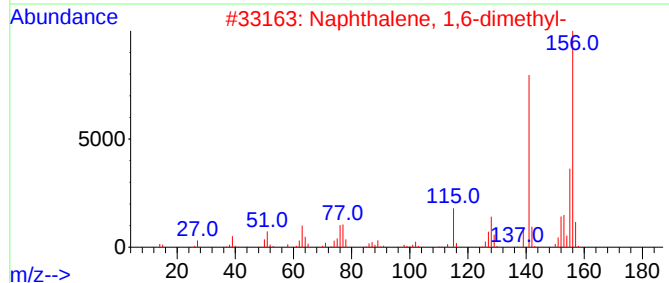
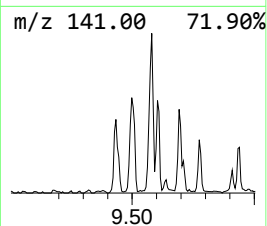
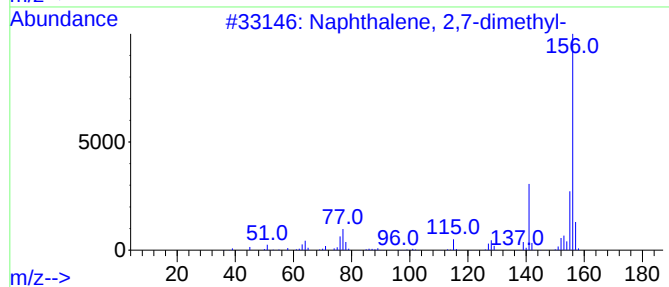
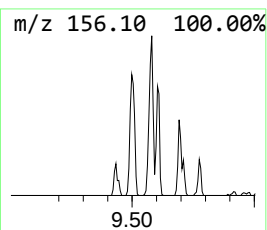
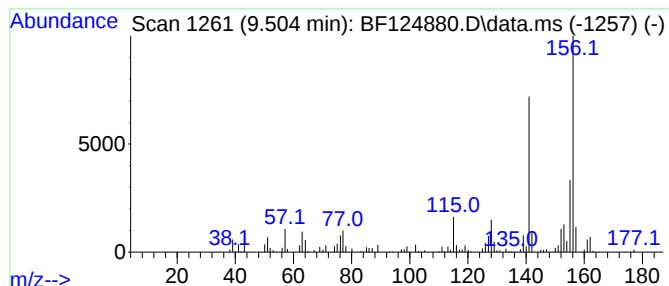
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Naphthalene, 2,7-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.504	25.94 ng	192356	Acenaphthene-d10	9.916

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
4			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073021\
Data File : BF124880.D
Acq On : 30 Jul 2021 17:19
Operator : JU/CG
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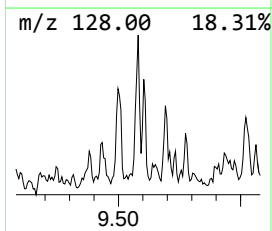
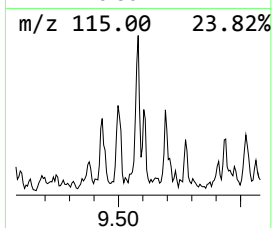
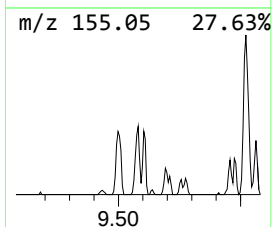
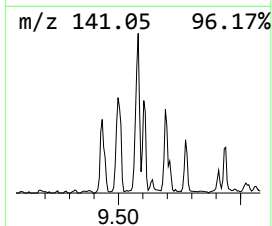
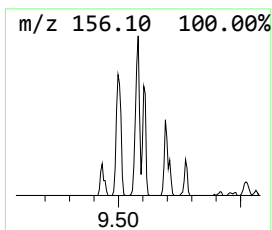
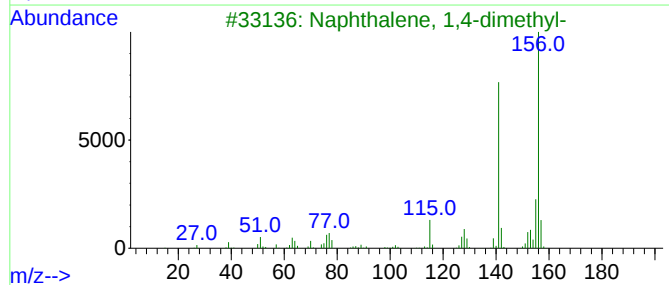
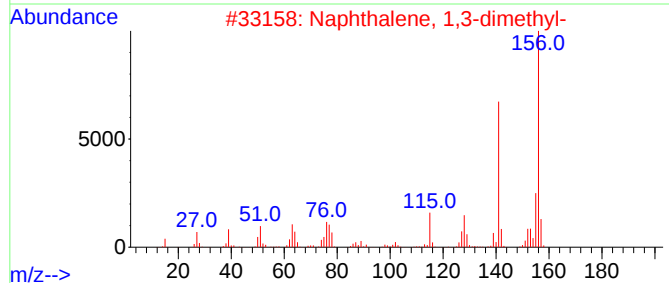
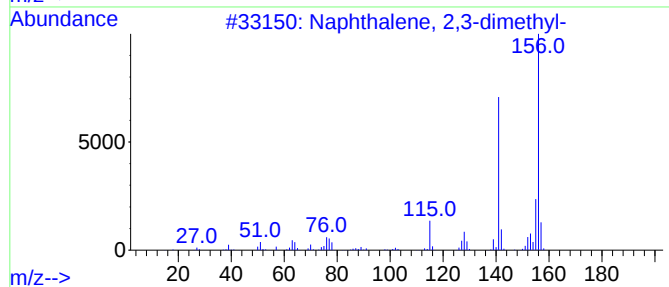
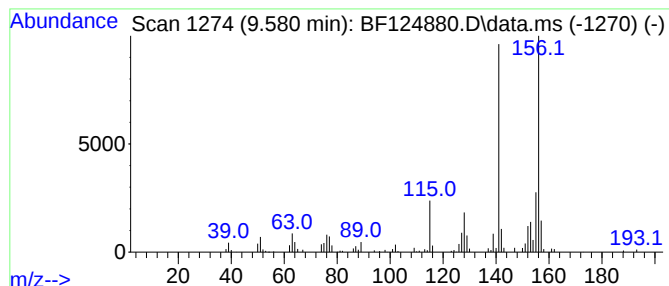
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Naphthalene, 2,3-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.580	33.06 ng	245177	Acenaphthene-d10	9.916

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
2			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3			Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
4			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
5			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073021\
Data File : BF124880.D
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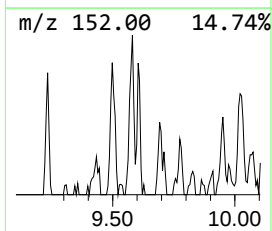
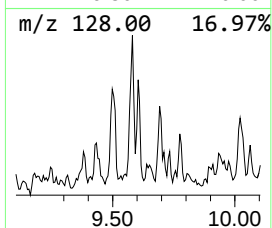
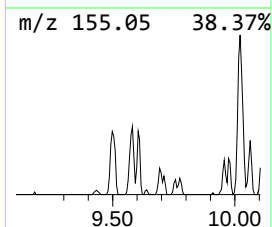
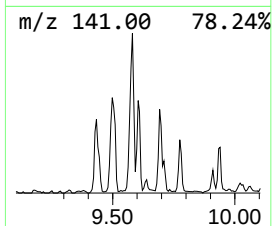
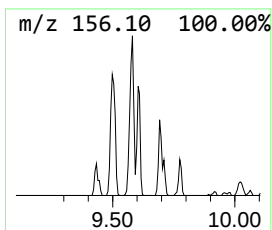
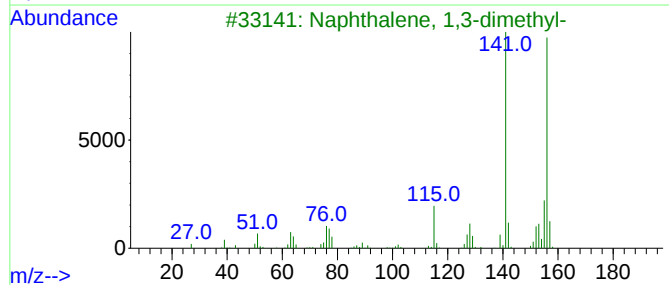
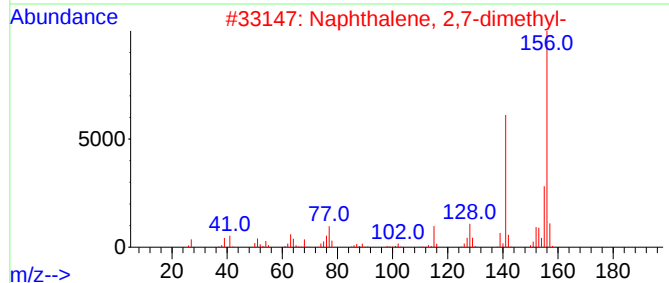
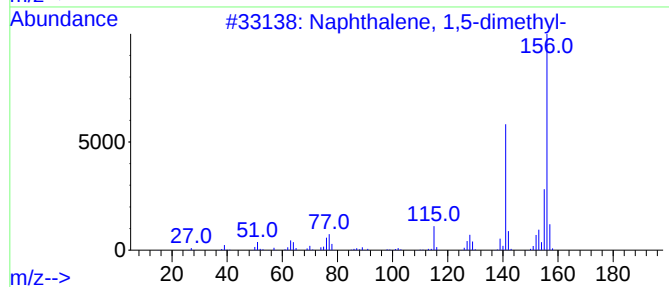
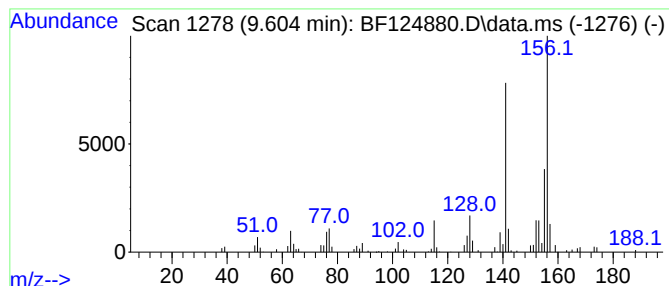
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Naphthalene, 1,5-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.604	16.85 ng	124939	Acenaphthene-d10	9.916

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
2			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073021\
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Acq On : 30 Jul 2021 17:19
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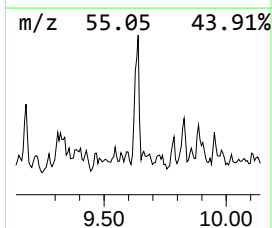
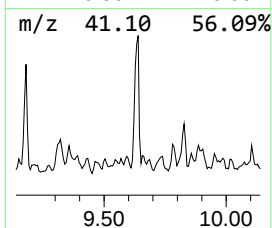
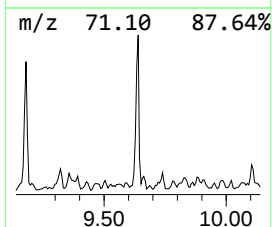
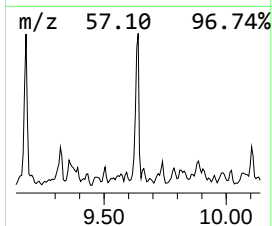
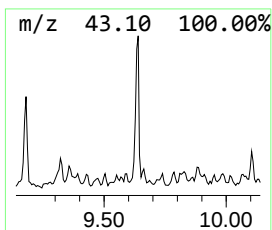
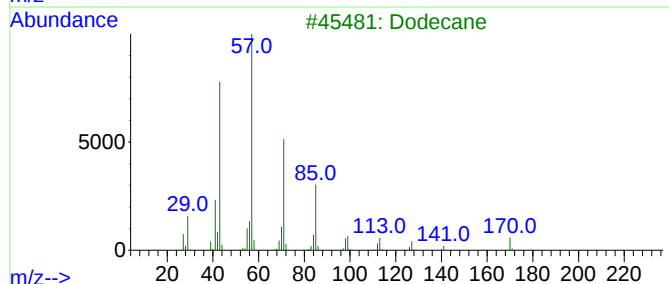
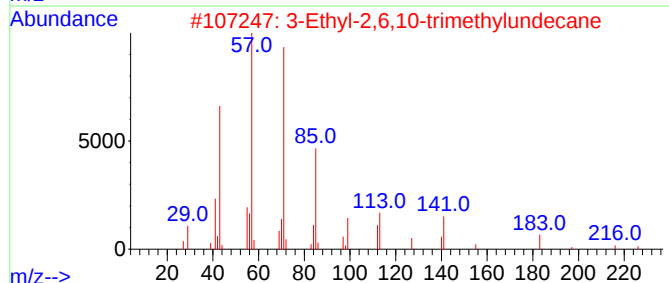
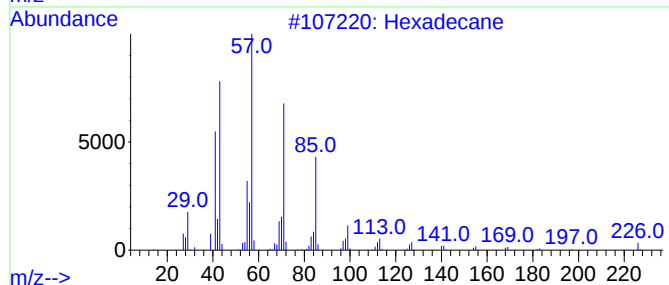
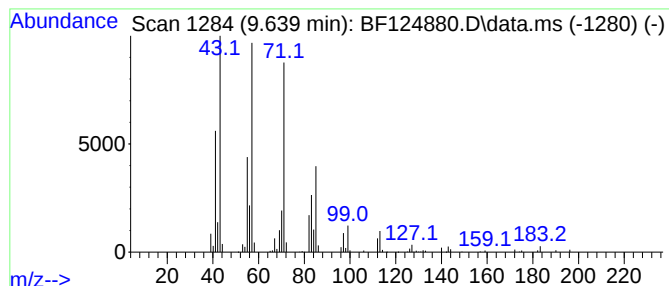
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Hexadecane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.639	45.57 ng	337883	Acenaphthene-d10	9.916

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Hexadecane	226	C16H34	000544-76-3	87
2			3-Ethyl-2,6,10-trimethylundecane	226	C16H34	1000432-25-9	80
3			Dodecane	170	C12H26	000112-40-3	64
4			Sulfurous acid, dodecyl pentyl e...	320	C17H36O3S	1000309-14-5	59
5			Nonane, 5-(2-methylpropyl)-	184	C13H28	062185-53-9	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073021\
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ClientSampleId :
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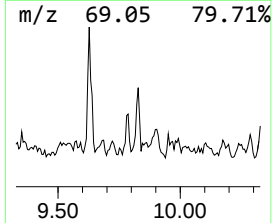
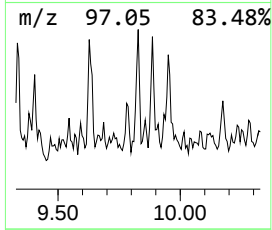
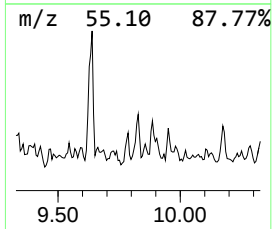
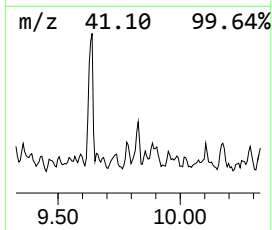
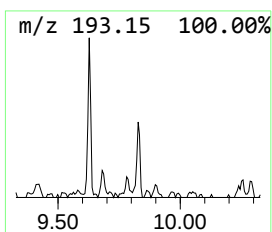
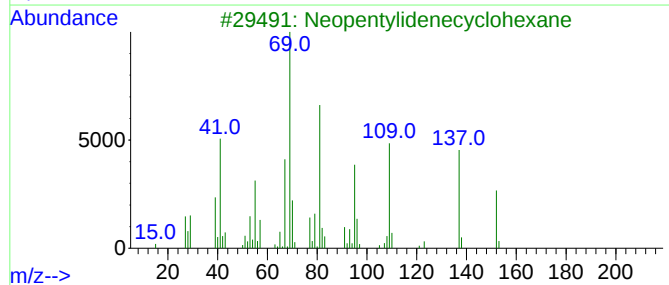
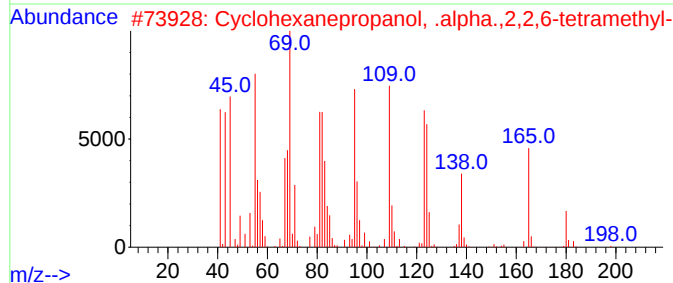
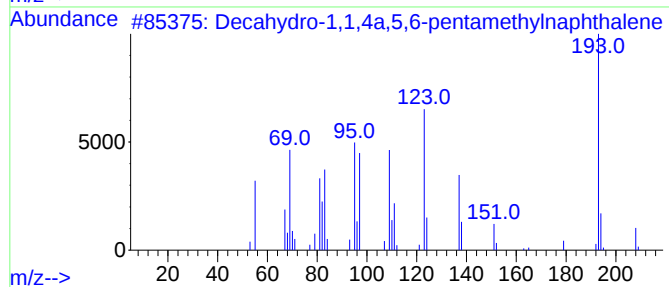
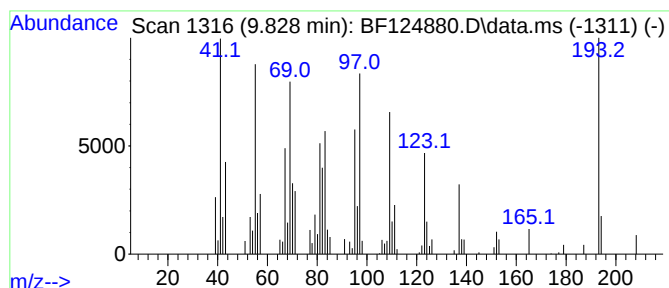
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Decahydro-1,1,4a,5,6-pentam... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.828	15.69 ng	116373	Acenaphthene-d10	9.916

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Decahydro-1,1,4a,5,6-pentamethyl...	208	C15H28	080655-44-3	60
2		Cyclohexanepropanol, .alpha.,2,2...	198	C13H26O	004361-23-3	38
3		Neopentylidenecyclohexane	152	C11H20	039546-80-0	27
4		2,6-Heptadienal, 2,4-dimethyl-	138	C9H14O	085136-08-9	25
5		Cyclododecanone, 2-methylene-	194	C13H22O	003045-76-9	25



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073021\
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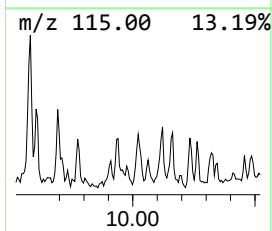
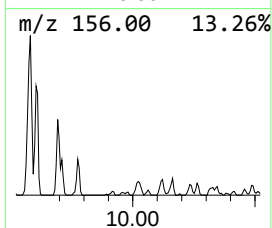
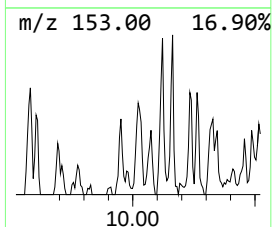
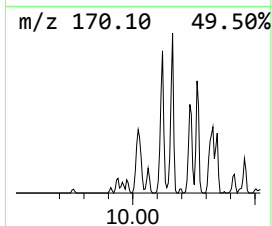
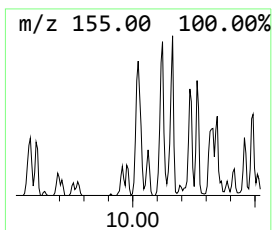
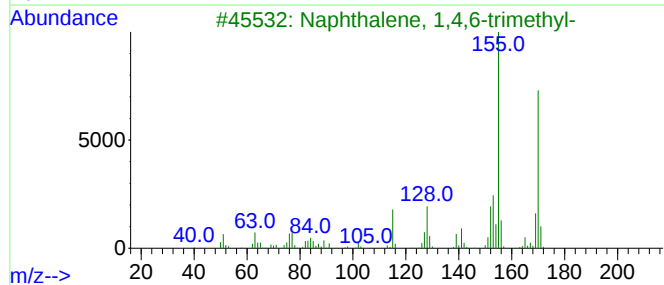
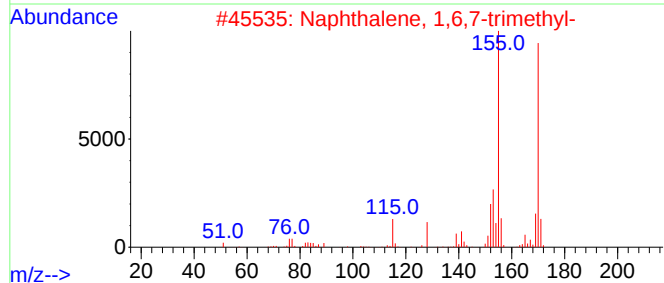
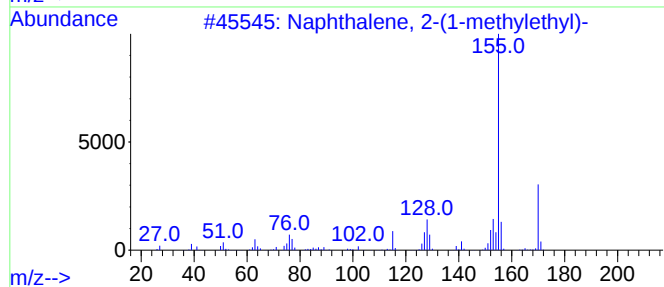
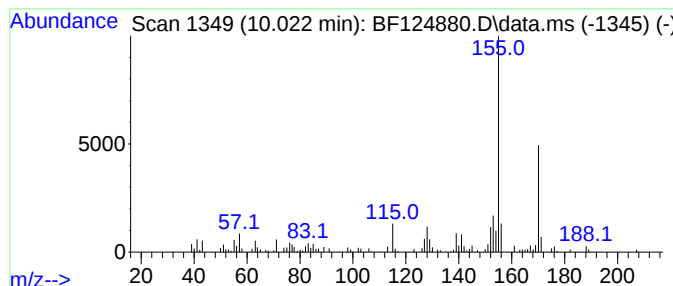
Instrument :
BNA_F
ClientSampleId :
SOLID-A-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Naphthalene, 2-(1-methyleth... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.022	20.00 ng	148338	Acenaphthene-d10	9.916	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	91
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	89
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	89
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	86
5	2-Naphthyl methyl ketone	170	C12H10O	000093-08-3	74



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073021\
Data File : BF124880.D
Acq On : 30 Jul 2021 17:19
Operator : JU/CG
Sample : M3229-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

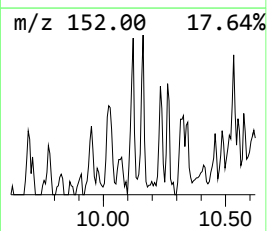
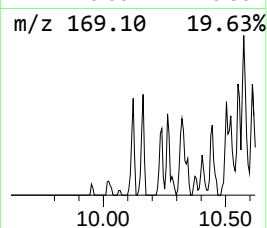
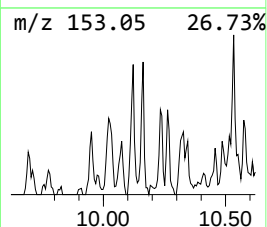
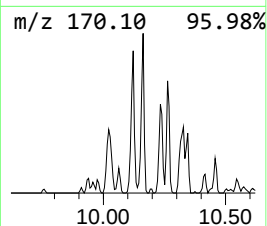
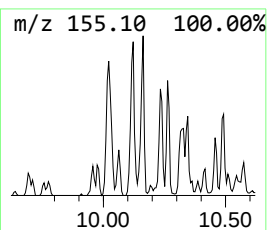
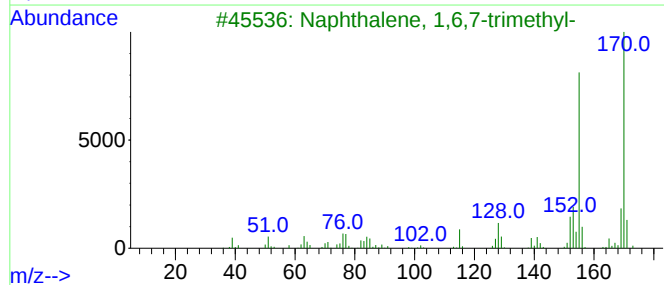
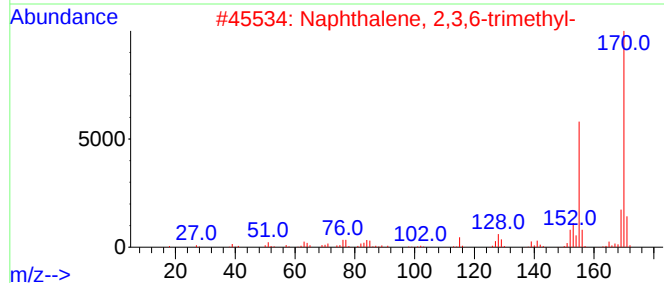
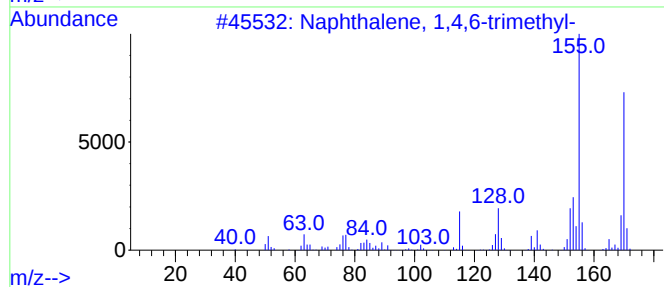
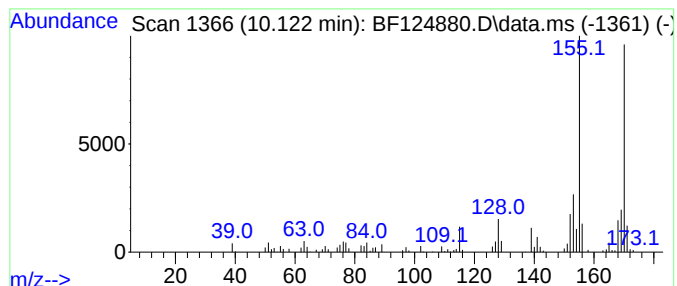
Instrument :
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ClientSampleId :
SOLID-A-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Naphthalene, 1,4,6-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.122	24.90 ng	184619	Acenaphthene-d10	9.916	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	91
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073021\
Data File : BF124880.D
Acq On : 30 Jul 2021 17:19
Operator : JU/CG
Sample : M3229-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SOLID-A-E

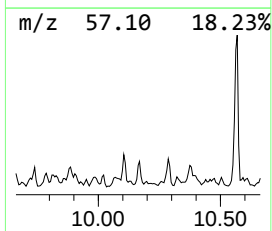
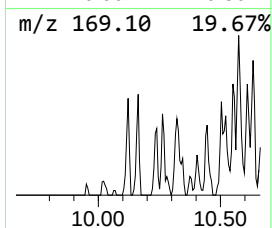
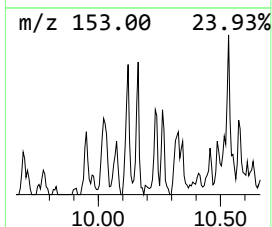
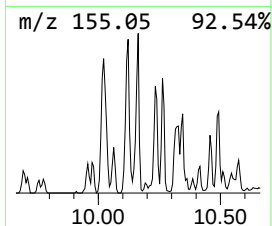
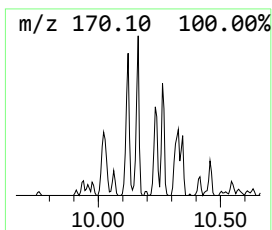
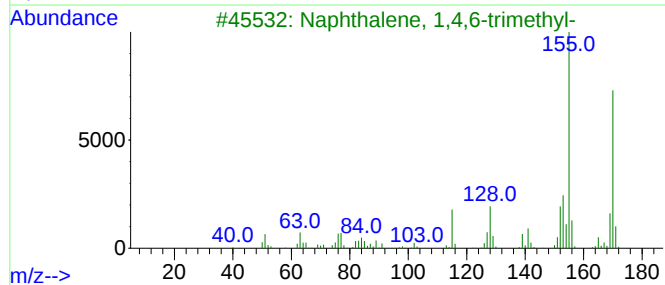
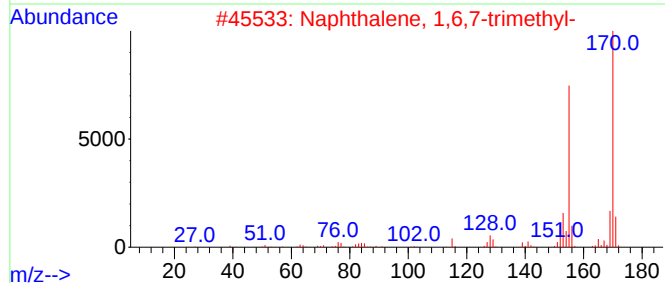
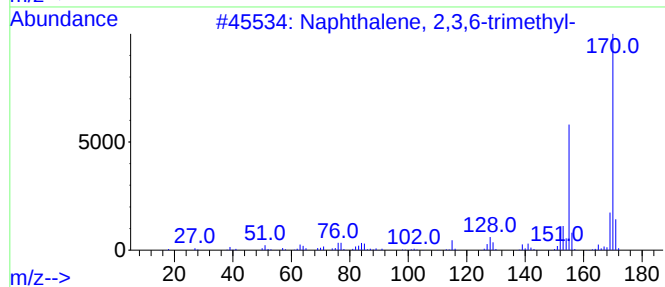
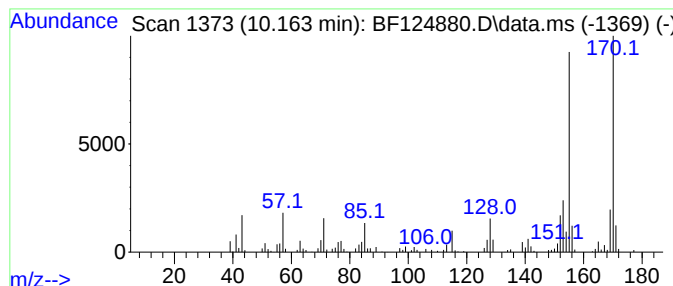
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Naphthalene, 2,3,6-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.163	33.07 ng	245241	Acenaphthene-d10	9.916

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
2		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
3		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
4		4,6,8-Trimethylazulene	170	C13H14	000941-81-1	93
5		Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073021\
Data File : BF124880.D
Acq On : 30 Jul 2021 17:19
Operator : JU/CG
Sample : M3229-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

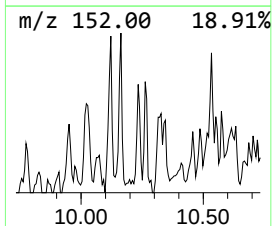
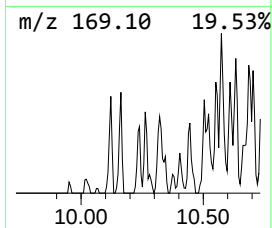
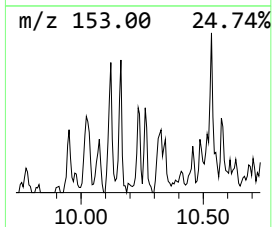
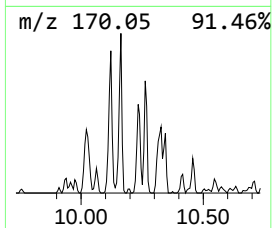
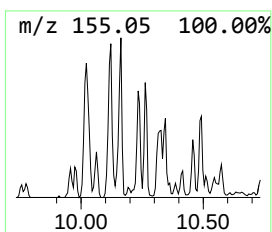
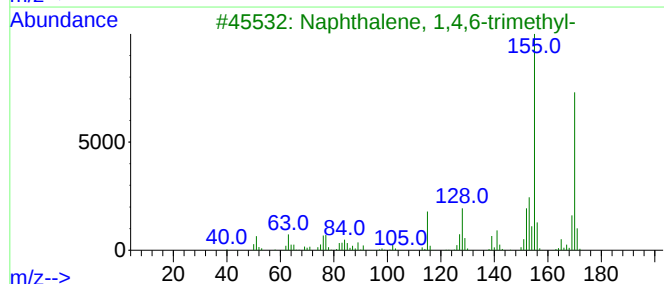
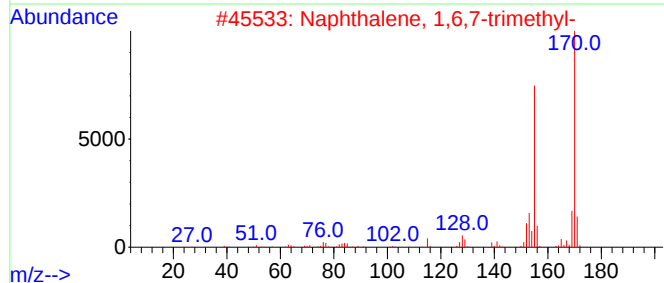
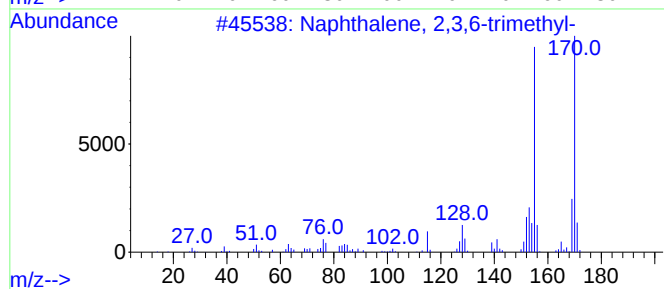
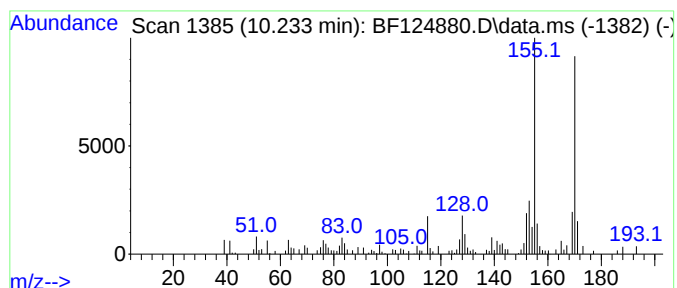
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Naphthalene, 1,6,7-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.233	18.42 ng	136575	Acenaphthene-d10	9.916	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	93
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073021\
Data File : BF124880.D
Acq On : 30 Jul 2021 17:19
Operator : JU/CG
Sample : M3229-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOLID-A-E

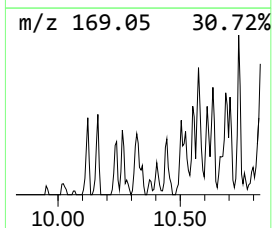
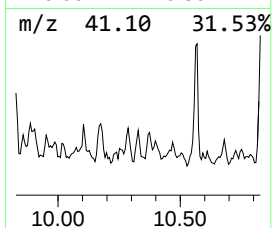
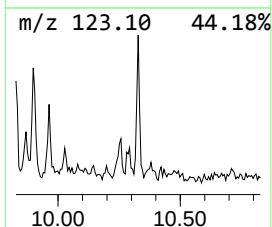
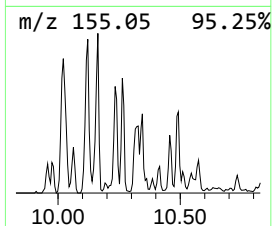
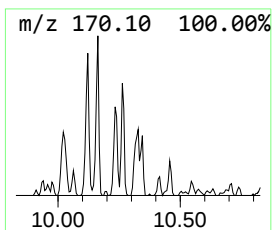
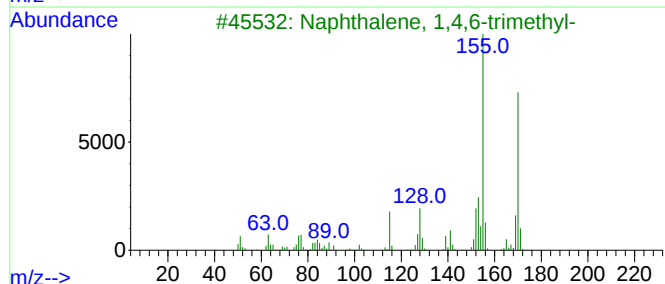
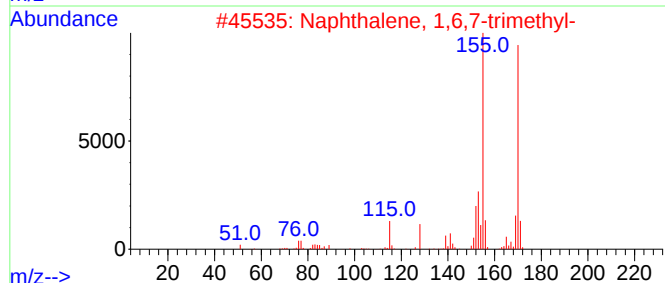
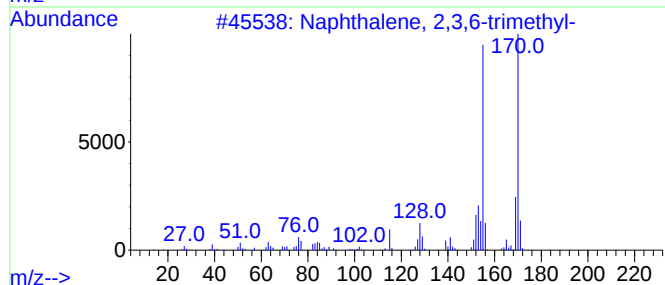
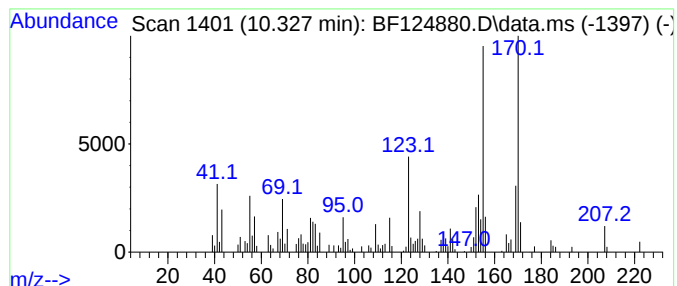
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 Naphthalene, 1,4,5-trimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.328	19.96 ng	147993	Acenaphthene-d10	9.916

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
2			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
3			Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94
4			Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	92
5			4,6,8-Trimethylazulene	170	C13H14	000941-81-1	86



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073021\
Data File : BF124880.D
Acq On : 30 Jul 2021 17:19
Operator : JU/CG
Sample : M3229-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

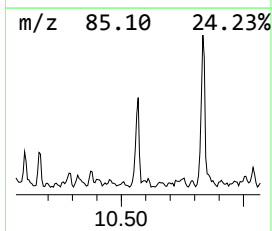
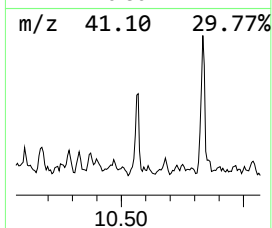
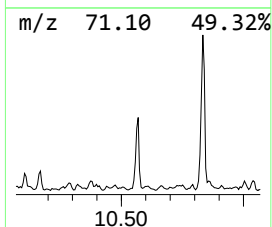
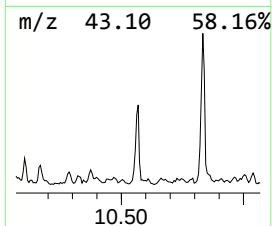
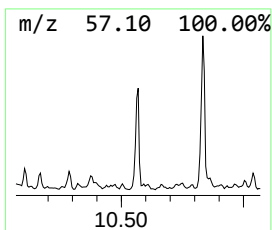
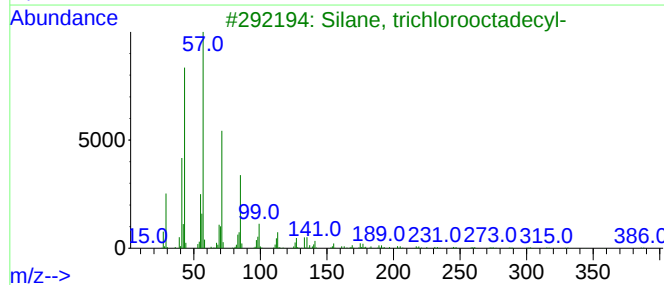
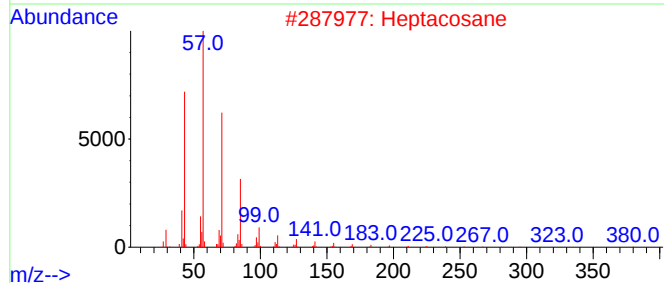
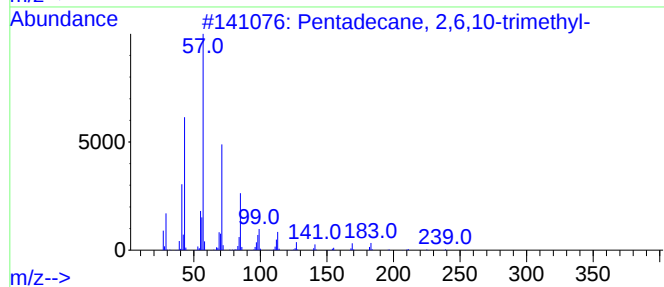
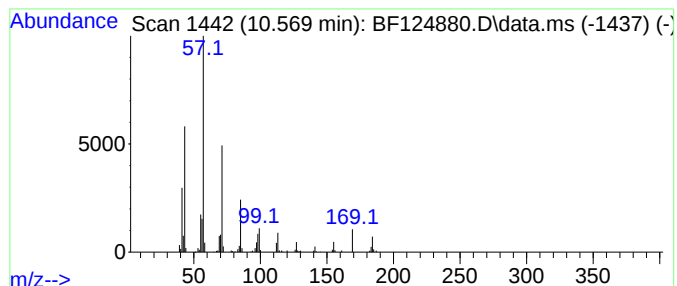
Instrument :
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Pentadecane, 2,6,10-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.569	34.93 ng	259043	Acenaphthene-d10	9.916	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	80
2	Heptacosane	380	C27H56	000593-49-7	80
3	Silane, trichlorooctadecyl-	386	C18H37Cl3Si	000112-04-9	72
4	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	64
5	Nonane, 4,5-dimethyl-	156	C11H24	017302-23-7	58



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073021\
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Acq On : 30 Jul 2021 17:19
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Sample : M3229-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

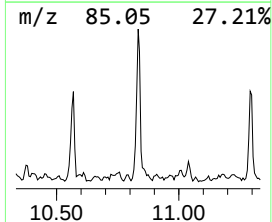
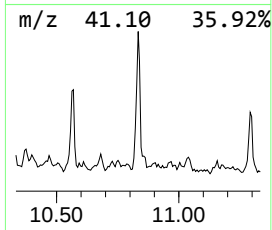
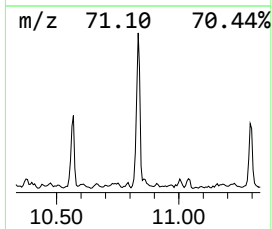
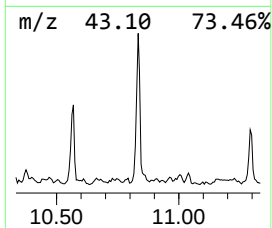
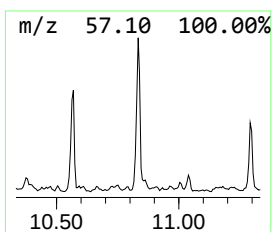
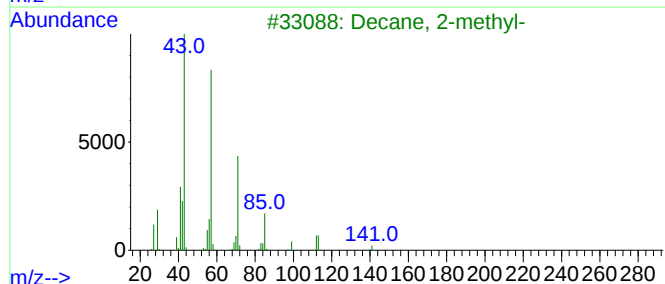
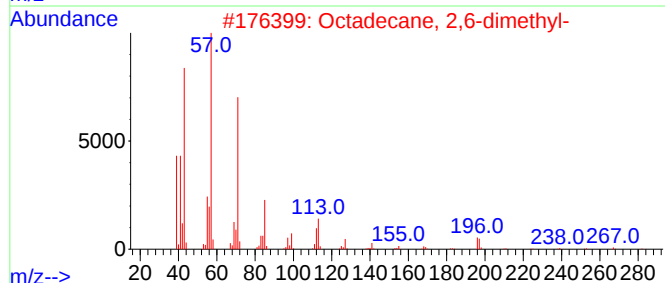
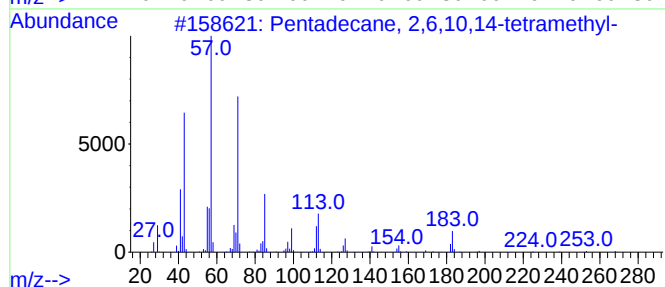
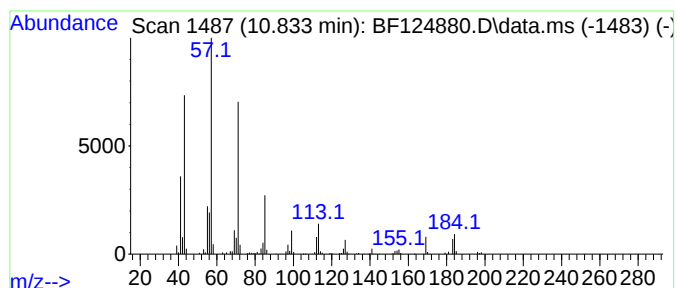
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 Pentadecane, 2,6,10,14-tetr... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD		R.T.	
10.833	89.95 ng	433823	Phenanthrene-d10		11.404	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10,14-tetramethyl-		268	C19H40	001921-70-6	87
2	Octadecane, 2,6-dimethyl-		282	C20H42	075163-97-2	83
3	Decane, 2-methyl-		156	C11H24	006975-98-0	81
4	Dodecane, 2,7,10-trimethyl-		212	C15H32	074645-98-0	80
5	Dodecane, 2,6,11-trimethyl-		212	C15H32	031295-56-4	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073021\
Data File : BF124880.D
Acq On : 30 Jul 2021 17:19
Operator : JU/CG
Sample : M3229-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

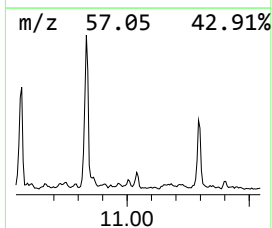
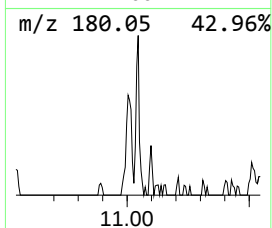
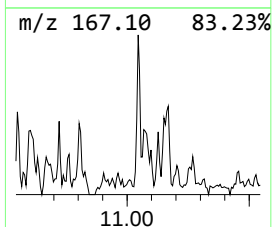
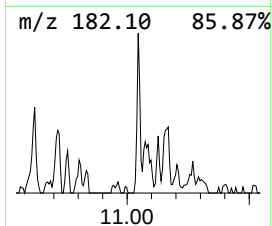
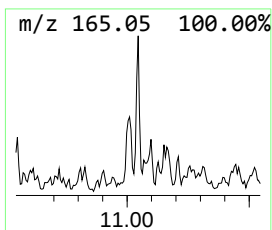
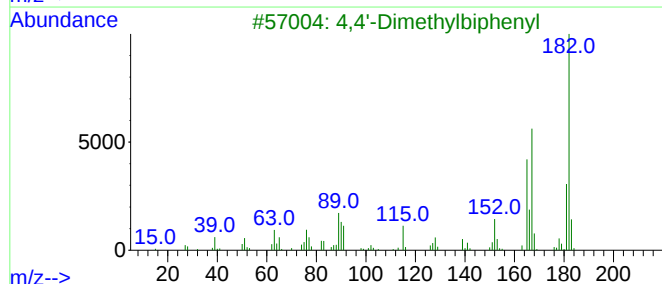
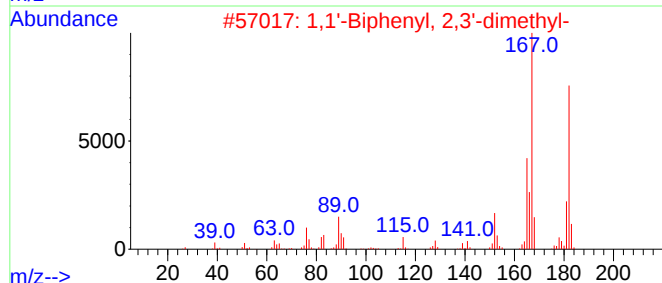
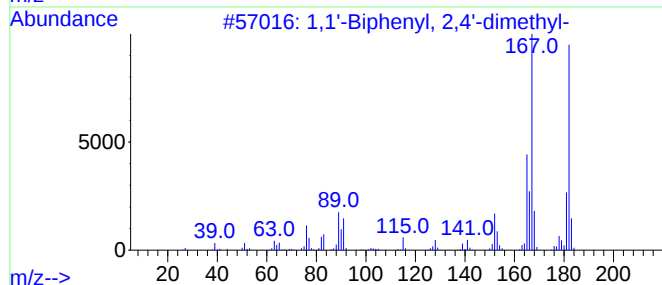
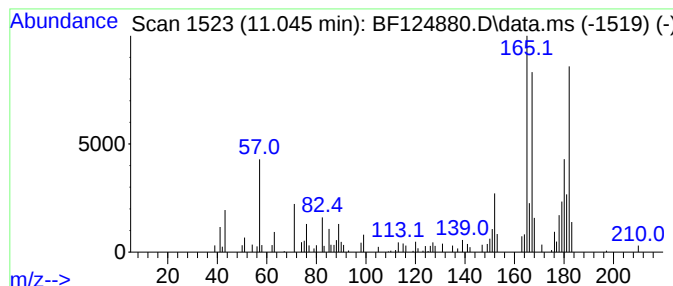
Instrument :
BNA_F
ClientSampleId :
SOLID-A-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 1,1'-Biphenyl, 2,4'-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.045	16.85 ng	81292	Phenanthrene-d10		11.404	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,4'-dimethyl-		182	C14H14	000611-61-0	83
2	1,1'-Biphenyl, 2,3'-dimethyl-		182	C14H14	000611-43-8	64
3	4,4'-Dimethylbiphenyl		182	C14H14	000613-33-2	62
4	1H,2H,3H-Cyclopenta[a]naphthalen...		182	C14H14	001624-22-2	58
5	1,4-Methanonaphthalene,1,4-dihyd...		182	C14H14	007350-72-3	58



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073021\
Data File : BF124880.D
Acq On : 30 Jul 2021 17:19
Operator : JU/CG
Sample : M3229-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

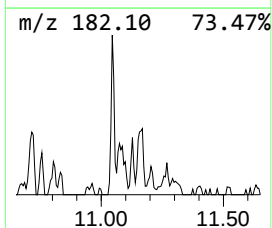
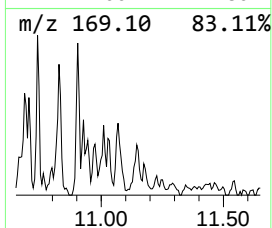
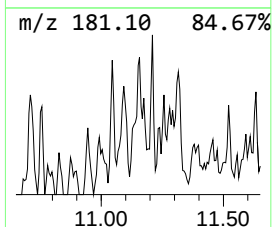
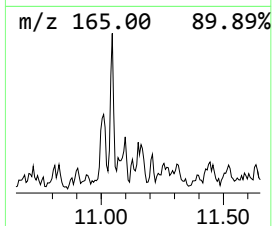
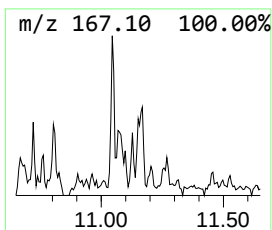
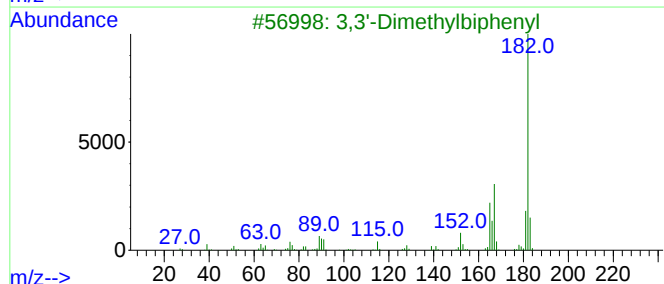
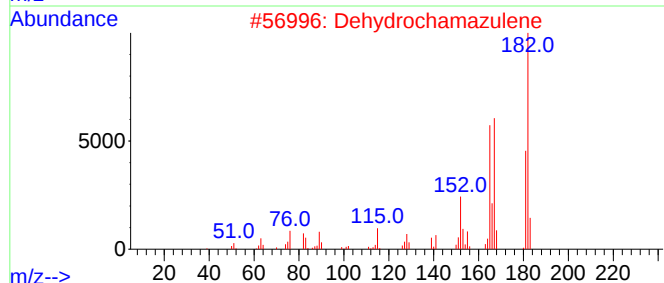
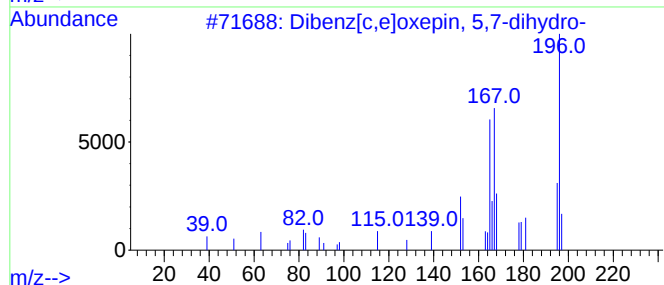
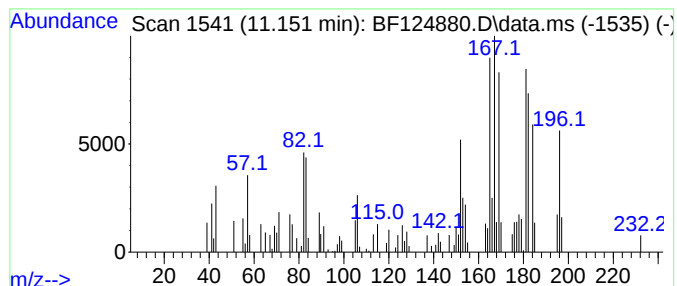
Instrument :
BNA_F
ClientSampleId :
SOLID-A-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 Dibenz[c,e]oxepin, 5,7-dihy... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.151	23.87 ng	115128	Phenanthrene-d10		11.404	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Dibenz[c,e]oxepin, 5,7-dihydro-		196	C14H12O	001136-22-7	60
2	Dehydrochamazulene		182	C14H14	321732-25-6	46
3	3,3'-Dimethylbiphenyl		182	C14H14	000612-75-9	45
4	1,1'-Biphenyl, 2,4'-dimethyl-		182	C14H14	000611-61-0	42
5	1,1'-Biphenyl, 2,3'-dimethyl-		182	C14H14	000611-43-8	42



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073021\
Data File : BF124880.D
Acq On : 30 Jul 2021 17:19
Operator : JU/CG
Sample : M3229-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

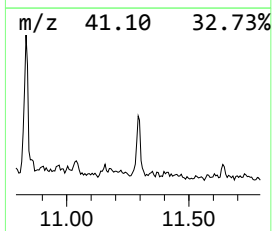
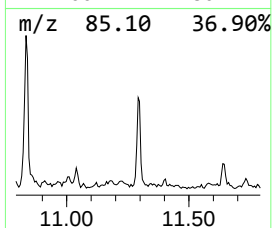
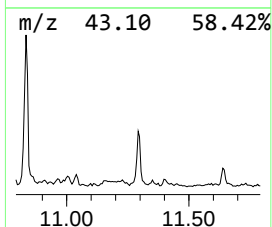
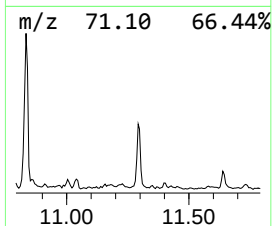
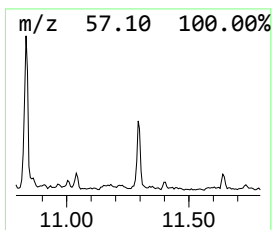
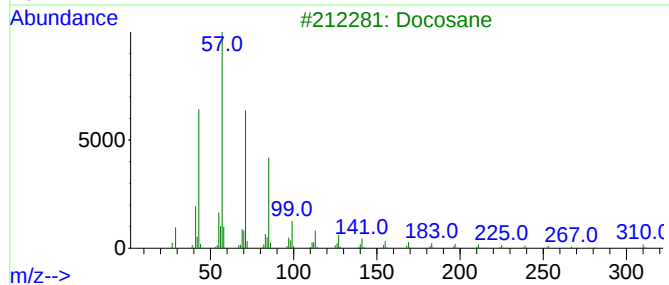
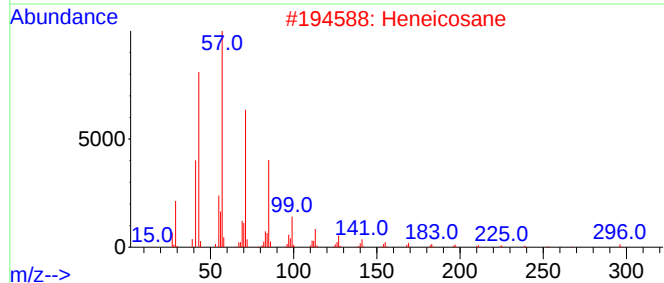
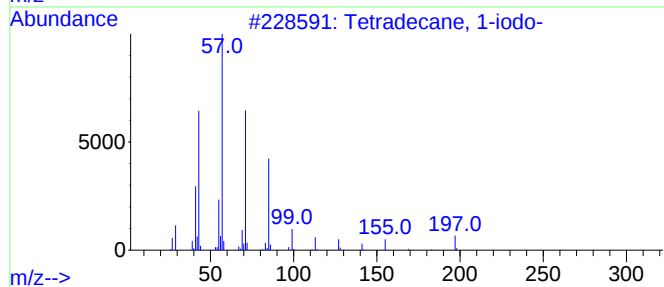
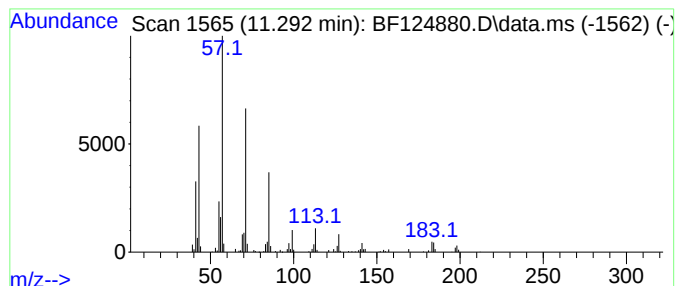
Instrument :
BNA_F
ClientSampleId :
SOLID-A-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 Tetradecane, 1-iodo- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.292	43.34 ng	209011	Phenanthrene-d10		11.404	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Tetradecane, 1-iodo-		324	C14H29I	019218-94-1	86
2	Heneicosane		296	C21H44	000629-94-7	86
3	Docosane		310	C22H46	000629-97-0	78
4	Tetradecane		198	C14H30	000629-59-4	76
5	Eicosane		282	C20H42	000112-95-8	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073021\
Data File : BF124880.D
Acq On : 30 Jul 2021 17:19
Operator : JU/CG
Sample : M3229-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOLID-A-E

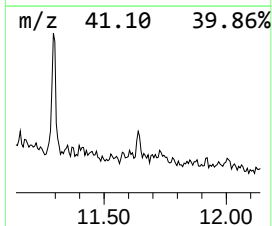
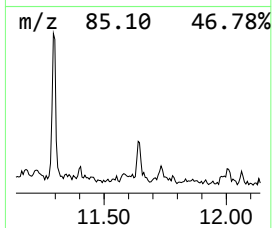
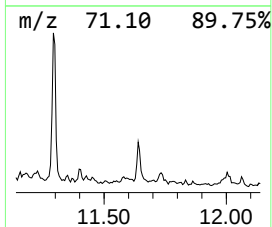
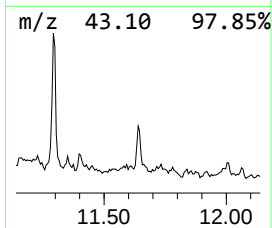
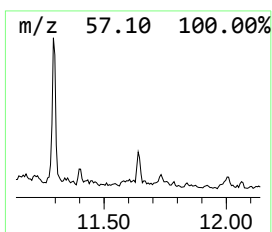
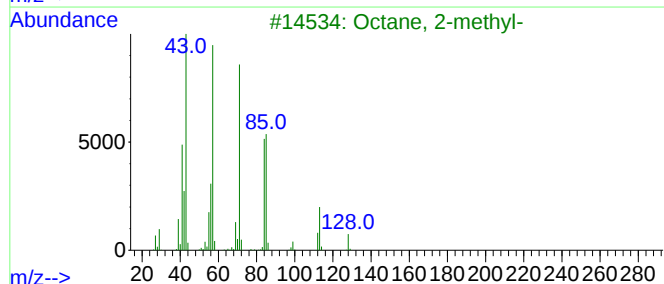
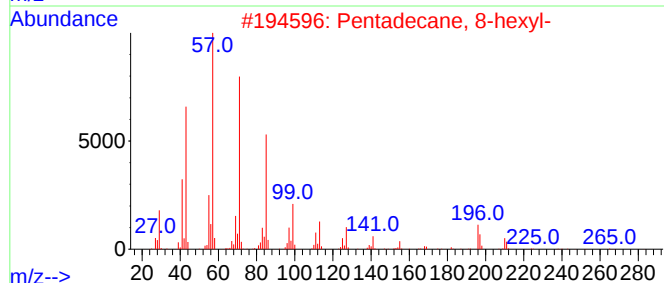
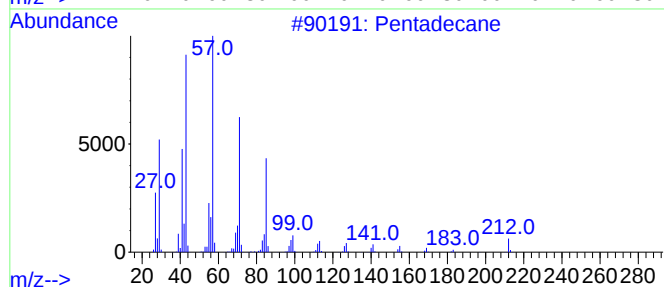
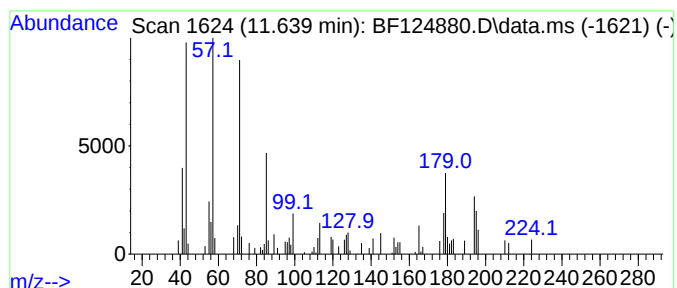
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 Pentadecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.639	19.67 ng	94854	Phenanthrene-d10	11.404

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pentadecane	212	C15H32	000629-62-9	55
2		Pentadecane, 8-hexyl-	296	C21H44	013475-75-7	53
3		Octane, 2-methyl-	128	C9H20	003221-61-2	46
4		Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	46
5		2-Bromotetradecane	276	C14H29Br	074036-95-6	46



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073021\
 Data File : BF124880.D
 Acq On : 30 Jul 2021 17:19
 Operator : JU/CG
 Sample : M3229-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOLID-A-E

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072221.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST0.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Undecane, 3,6-d...	8.216	20.5	ng	153025	2	8.157	149553	20.0
Undecane, 2,6-d...	8.575	20.8	ng	155191	2	8.157	149553	20.0
Dodecane, 2,6,1...	9.181	24.3	ng	179826	3	9.916	148302	20.0
Dodecane	9.322	14.7	ng	109042	3	9.916	148302	20.0
Naphthalene, 2,...	9.504	25.9	ng	192356	3	9.916	148302	20.0
Naphthalene, 2,...	9.580	33.1	ng	245177	3	9.916	148302	20.0
Naphthalene, 1,...	9.604	16.9	ng	124939	3	9.916	148302	20.0
Hexadecane	9.639	45.6	ng	337883	3	9.916	148302	20.0
Decahydro-1,1,4...	9.828	15.7	ng	116373	3	9.916	148302	20.0
Naphthalene, 2-...	10.022	20.0	ng	148338	3	9.916	148302	20.0
Naphthalene, 1,...	10.122	24.9	ng	184619	3	9.916	148302	20.0
Naphthalene, 2,...	10.163	33.1	ng	245241	3	9.916	148302	20.0
Naphthalene, 1,...	10.233	18.4	ng	136575	3	9.916	148302	20.0
Naphthalene, 1,...	10.328	20.0	ng	147993	3	9.916	148302	20.0
Pentadecane, 2,...	10.569	34.9	ng	259043	3	9.916	148302	20.0
Pentadecane, 2,...	10.833	90.0	ng	433823	4	11.404	96462	20.0
1,1'-Biphenyl, ...	11.045	16.9	ng	81292	4	11.404	96462	20.0
Dibenz[c,e]oxep...	11.151	23.9	ng	115128	4	11.404	96462	20.0
Tetradecane, 1-...	11.292	43.3	ng	209011	4	11.404	96462	20.0
Pentadecane	11.639	19.7	ng	94854	4	11.404	96462	20.0