

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040518\
 Data File : BF104286.D
 Acq On : 5 Apr 2018 22:46
 Operator : JU/SJ
 Sample : J2227-02 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-2

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

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

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.834	635	637	645	rVB2	310244	350372	7.61%	0.264%
2	5.957	651	658	661	rVB3	226714	318932	6.92%	0.240%
3	6.169	690	694	701	rBV2	550032	1141505	24.79%	0.859%
4	6.228	701	704	707	rVB	314960	282060	6.12%	0.212%
5	6.363	723	727	731	rBV3	326167	521468	11.32%	0.392%
6	6.404	731	734	735	rBV	289011	283992	6.17%	0.214%
7	6.422	735	737	740	rVB	610367	514313	11.17%	0.387%
8	6.457	740	743	750	rBV3	784018	1221132	26.51%	0.919%
9	6.510	750	752	755	rVB	512779	445985	9.68%	0.336%
10	6.604	766	768	770	rBV	312748	231263	5.02%	0.174%
11	6.669	775	779	784	rBV4	403461	766724	16.65%	0.577%
12	6.710	784	786	791	rVB3	304235	482835	10.48%	0.363%
13	6.763	791	795	798	rBV	1533286	1659613	36.03%	1.249%
14	6.886	813	816	818	rBV3	420899	456669	9.92%	0.344%
15	6.939	821	825	827	rVB	1137570	1025561	22.27%	0.772%
16	6.981	827	832	835	rVB4	245103	471776	10.24%	0.355%
17	7.016	835	838	839	rBV2	224053	215095	4.67%	0.162%
18	7.039	839	842	845	rVB2	416884	433965	9.42%	0.327%
19	7.075	845	848	852	rBV3	918527	1281533	27.83%	0.964%
20	7.122	852	856	859	rVB4	579304	902803	19.60%	0.679%
21	7.151	859	861	864	rBV2	302200	246413	5.35%	0.185%
22	7.198	867	869	872	rVV	1082330	1096846	23.82%	0.825%
23	7.228	872	874	876	rVB	633970	458422	9.95%	0.345%
24	7.263	876	880	885	rVB2	1335261	1907799	41.42%	1.435%
25	7.310	885	888	890	rBV	1063421	1063288	23.09%	0.800%
26	7.334	890	892	894	rVB	422720	312612	6.79%	0.235%
27	7.398	900	903	906	rBV	780748	914428	19.85%	0.688%
28	7.469	909	915	919	rVV2	2283652	3133546	68.04%	2.358%
29	7.504	919	921	928	rVB3	1544828	2576021	55.93%	1.938%
30	7.581	928	934	937	rBV5	1516711	2390446	51.90%	1.799%
31	7.628	937	942	947	rBV4	726224	1530504	33.23%	1.152%
32	7.704	953	955	958	rBV2	1308152	1285151	27.90%	0.967%
33	7.734	958	960	967	rVB3	1489155	2208490	47.95%	1.662%
34	7.833	970	977	979	rBV5	1345668	2355758	51.15%	1.772%

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35	7.869	979	983	985	rVV4	692666	1090954	23.69%	0.821%
36	7.892	985	987	990	rVV3	1111613	1195242	25.95%	0.899%
37	7.928	990	993	996	rVV3	759694	808079	17.55%	0.608%
38	7.963	996	999	1001	rVV	1910354	1968682	42.75%	1.481%
39	7.986	1001	1003	1005	rVV2	861586	814325	17.68%	0.613%
40	8.004	1005	1006	1008	rVB	912766	528329	11.47%	0.398%
41	8.033	1008	1011	1014	rVB3	641798	815606	17.71%	0.614%
42	8.063	1014	1016	1018	rVB	467487	323339	7.02%	0.243%
43	8.086	1018	1020	1023	rVB	1140071	1075994	23.36%	0.810%
44	8.122	1023	1026	1029	rBV2	492605	596384	12.95%	0.449%
45	8.169	1029	1034	1036	rBV4	1036074	1529733	33.21%	1.151%
46	8.216	1039	1042	1043	rVV	1399982	1473502	31.99%	1.109%
47	8.245	1043	1047	1049	rVV2	1292810	1818606	39.49%	1.368%
48	8.275	1049	1052	1055	rVB2	2889056	3020460	65.58%	2.273%
49	8.310	1055	1058	1065	rVB4	1335555	1791402	38.90%	1.348%
50	8.375	1065	1069	1070	rBV3	575561	796582	17.30%	0.599%
51	8.398	1070	1073	1074	rBV3	361102	396348	8.61%	0.298%
52	8.422	1074	1077	1082	rVB3	1582559	1536930	33.37%	1.156%
53	8.469	1083	1085	1088	rBV	911707	1026810	22.29%	0.773%
54	8.510	1088	1092	1097	rVB4	1945068	3070992	66.68%	2.311%
55	8.563	1097	1101	1105	rBV5	725208	1362588	29.59%	1.025%
56	8.610	1105	1109	1111	rBV3	1330307	1584102	34.40%	1.192%
57	8.639	1111	1114	1116	rVB2	2092737	1962242	42.61%	1.476%
58	8.669	1116	1119	1121	rBV2	603187	596680	12.96%	0.449%
59	8.698	1121	1124	1126	rVB2	1027452	1035873	22.49%	0.779%
60	8.739	1127	1131	1138	rBV5	2344709	3775646	81.98%	2.841%
61	8.822	1142	1145	1147	rBV3	1178816	1411567	30.65%	1.062%
62	8.898	1156	1158	1167	rVB5	1792860	3219229	69.90%	2.422%
63	8.975	1168	1171	1173	rBV2	792828	840484	18.25%	0.632%
64	9.004	1173	1176	1178	rBV2	474254	518441	11.26%	0.390%
65	9.028	1178	1180	1182	rBV2	590963	518189	11.25%	0.390%
66	9.057	1182	1185	1189	rBV4	2273889	3185426	69.16%	2.397%
67	9.092	1189	1191	1193	rVB2	715781	518046	11.25%	0.390%
68	9.175	1202	1205	1207	rBV3	1002251	1088893	23.64%	0.819%
69	9.198	1207	1209	1210	rBV2	409336	256365	5.57%	0.193%
70	9.245	1214	1217	1219	rVV3	1775077	1573930	34.17%	1.184%
71	9.386	1237	1241	1243	rBV2	1070510	1173905	25.49%	0.883%

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72	9.457	1251	1253	1256	rVB2	1237058	1303374	28.30%	0.981%
73	9.492	1257	1259	1262	rBV3	551924	542154	11.77%	0.408%
74	9.586	1270	1275	1278	rBV2	1506570	2629690	57.10%	1.979%
75	9.663	1285	1288	1290	rBV2	849349	1167283	25.34%	0.878%
76	9.704	1291	1295	1298	rVB4	2190723	3489799	75.77%	2.626%
77	9.780	1305	1308	1315	rVB6	1421680	3178504	69.01%	2.391%
78	9.857	1319	1321	1325	rVV2	1044018	1179857	25.62%	0.888%
79	9.951	1334	1337	1339	rBV4	587685	725201	15.75%	0.546%
80	9.980	1339	1342	1344	rVV2	976938	1072034	23.28%	0.807%
81	10.110	1360	1364	1367	rBV2	988757	1574686	34.19%	1.185%
82	10.204	1377	1380	1383	rVB	1160206	1285246	27.91%	0.967%
83	10.251	1384	1388	1396	rVB5	1951690	3408931	74.02%	2.565%
84	10.322	1396	1400	1403	rBV2	1750781	2709689	58.83%	2.039%
85	10.351	1403	1405	1410	rVB2	1478426	1618079	35.13%	1.217%
86	10.404	1411	1414	1417	rBV2	1111574	1636329	35.53%	1.231%
87	10.433	1417	1419	1423	rVB2	1054105	1246174	27.06%	0.938%
88	10.633	1449	1453	1456	rBV2	1428981	2135341	46.36%	1.607%
89	10.910	1495	1500	1507	rVB3	2471473	4605588	100.00%	3.465%
90	11.245	1550	1557	1558	rBV6	809797	1852037	40.21%	1.393%
91	11.369	1575	1578	1586	rVB2	1869044	2806933	60.95%	2.112%
92	11.527	1603	1605	1612	rVB	1048677	1607336	34.90%	1.209%
93	12.004	1683	1686	1689	rBV	865838	1193094	25.91%	0.898%
94	12.439	1758	1760	1764	rVB	728316	695310	15.10%	0.523%
95	12.474	1764	1766	1769	rBV	490456	423623	9.20%	0.319%
96	12.551	1776	1779	1782	rBV	1227124	1485945	32.26%	1.118%
97	12.951	1844	1847	1851	rBV2	684299	887016	19.26%	0.667%
98	12.992	1852	1854	1858	rVB	735782	840666	18.25%	0.632%
99	13.068	1865	1867	1870	rBV	410286	368322	8.00%	0.277%
100	13.474	1933	1936	1938	rBV2	359549	456309	9.91%	0.343%

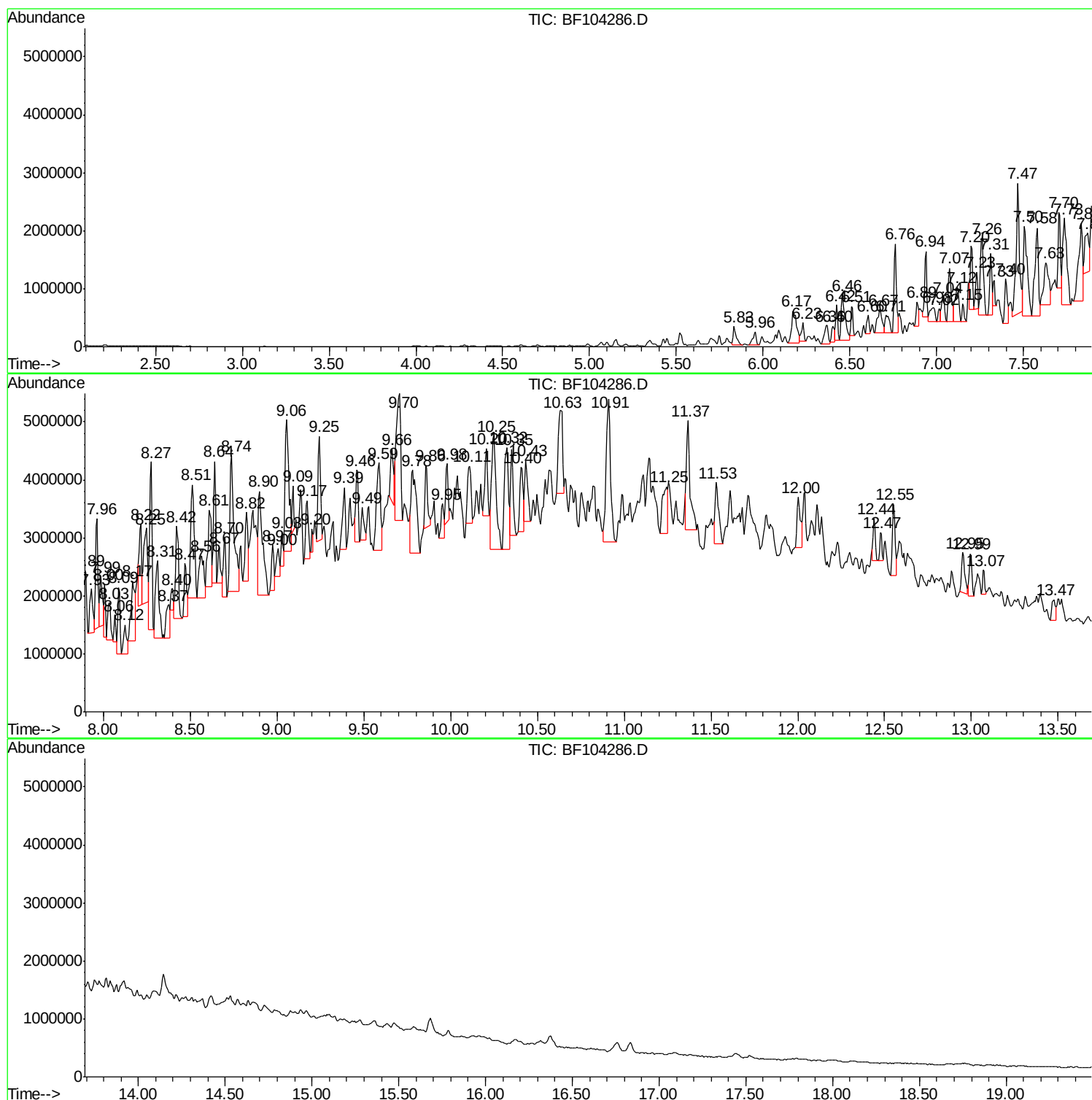
Sum of corrected areas: 132911775

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Instrument :
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ClientSampled :
SB-2

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.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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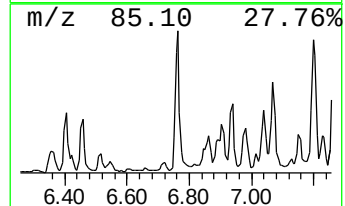
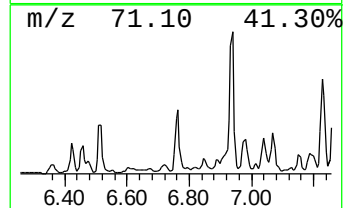
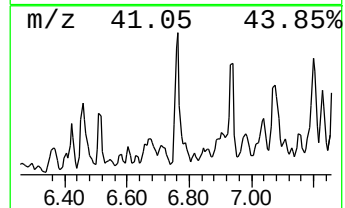
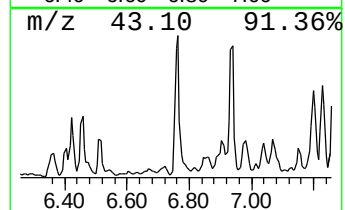
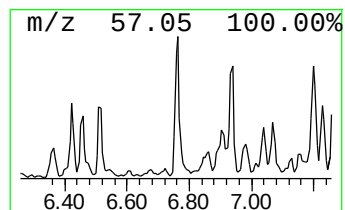
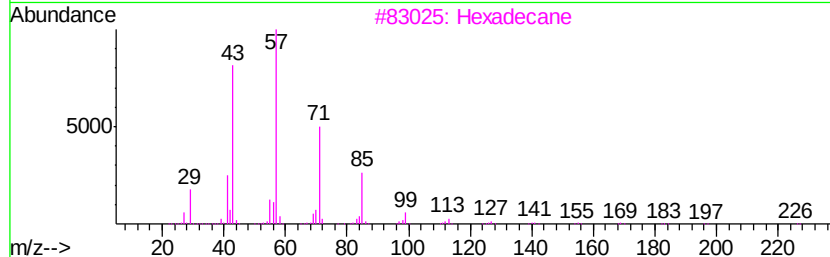
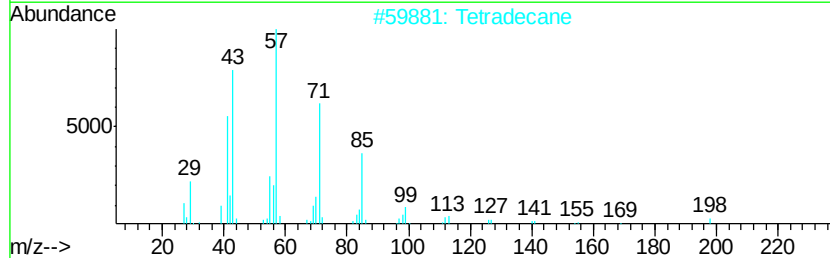
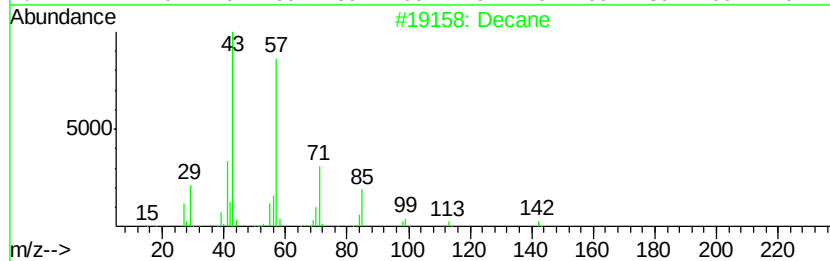
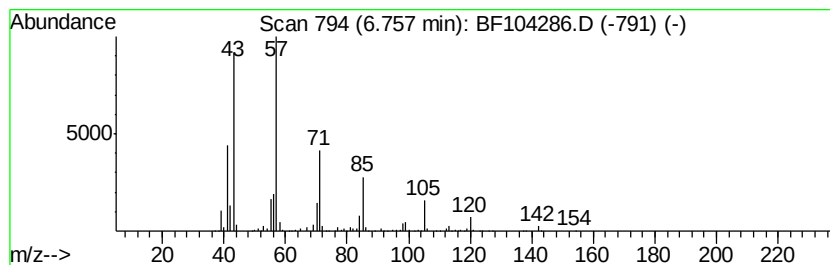
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Decane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.76	32.37 ng	1659610	1,4-Dichlorobenzene-d4	6.95
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Decane		142 C10H22	000124-18-5 91
2	Tetradecane		198 C14H30	000629-59-4 80
3	Hexadecane		226 C16H34	000544-76-3 64
4	Undecane		156 C11H24	001120-21-4 64
5	Octane, 4-ethyl-		142 C10H22	015869-86-0 58



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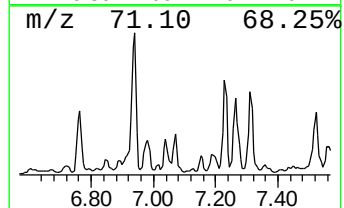
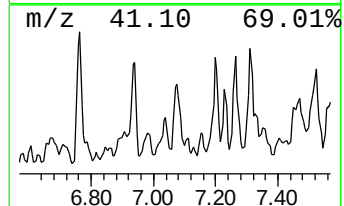
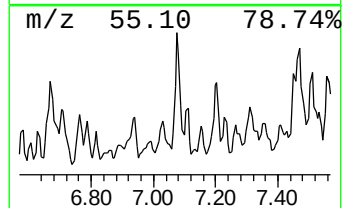
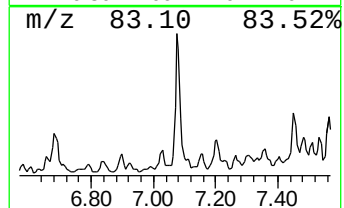
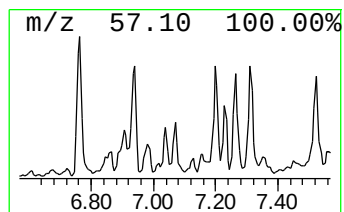
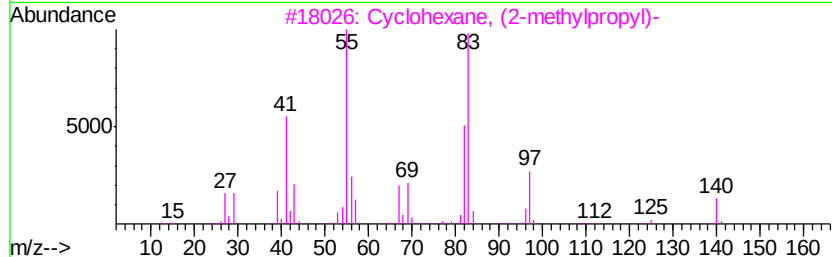
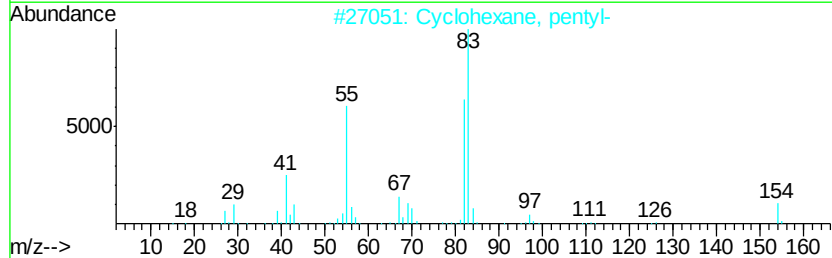
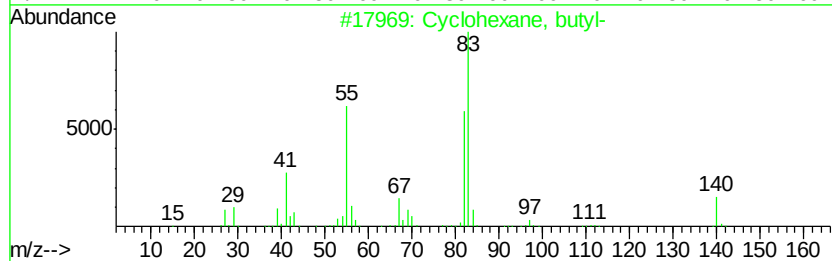
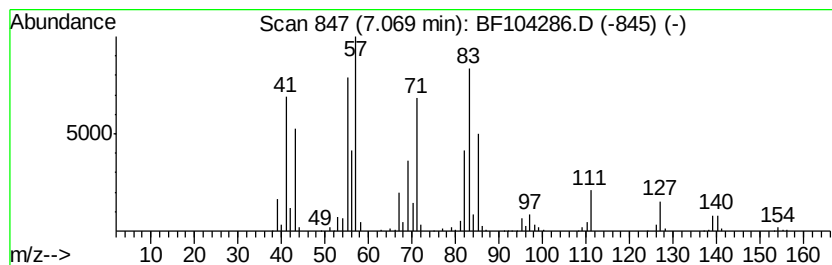
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Cyclohexane, butyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.07	24.99 ng	1281530	1,4-Dichlorobenzene-d4	6.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, butyl-	140	C10H20	001678-93-9	87
2		Cyclohexane, pentyl-	154	C11H22	004292-92-6	81
3		Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	68
4		Cyclohexane, (3-methylpentyl)-	168	C12H24	061142-38-9	53
5		Cyclohexane, octyl-	196	C14H28	001795-15-9	53



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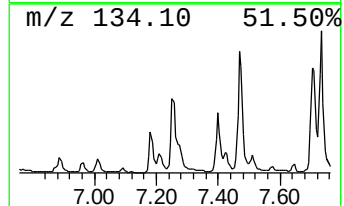
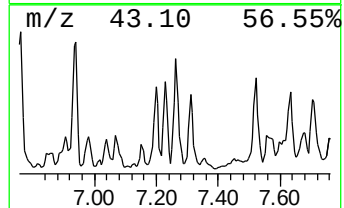
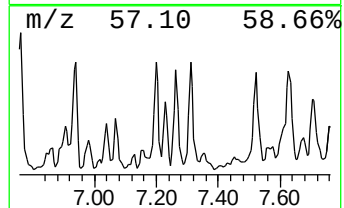
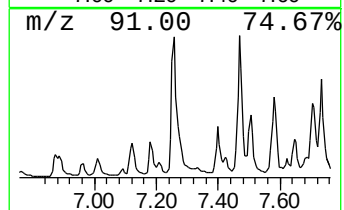
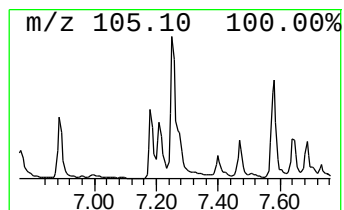
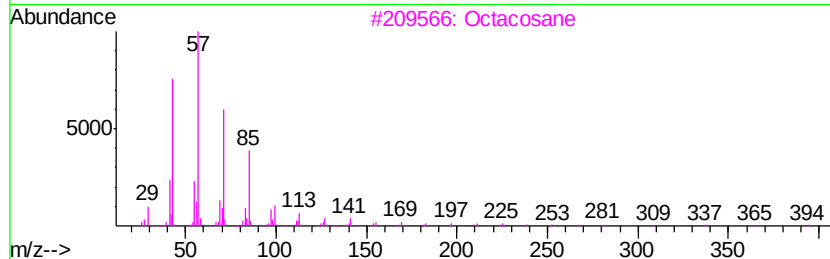
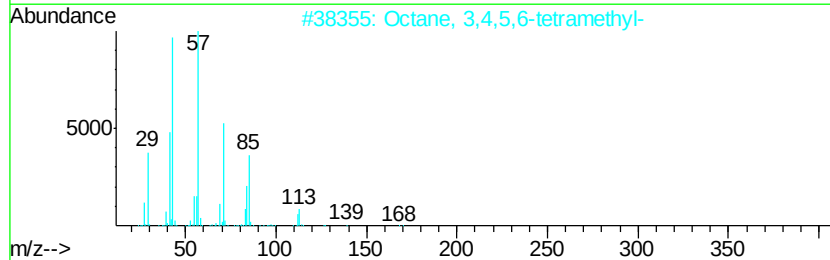
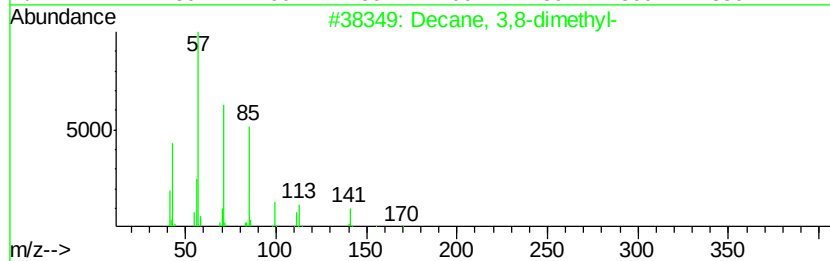
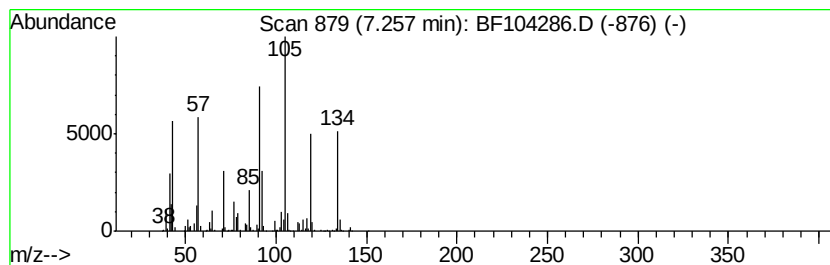
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Peak Number 3 unknown7.26 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.26	37.21 ng	1907800	1,4-Dichlorobenzene-d4	6.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	47
2		Octane, 3,4,5,6-tetramethyl-	170	C12H26	062185-21-1	47
3		Octacosane	394	C28H58	000630-02-4	47
4		Hexadecane	226	C16H34	000544-76-3	47
5		Eicosane	282	C20H42	000112-95-8	43



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Data File : BF104286.D
Acq On : 5 Apr 2018 22:46
Operator : JU/SJ
Sample : J2227-02 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

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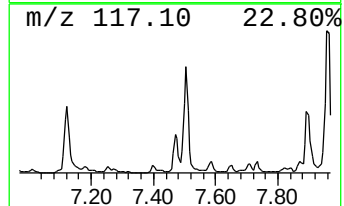
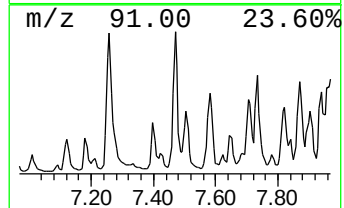
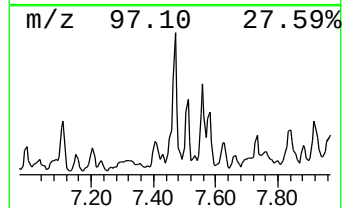
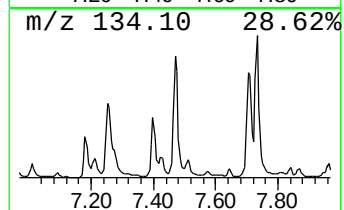
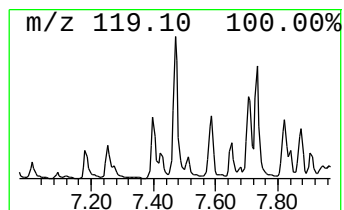
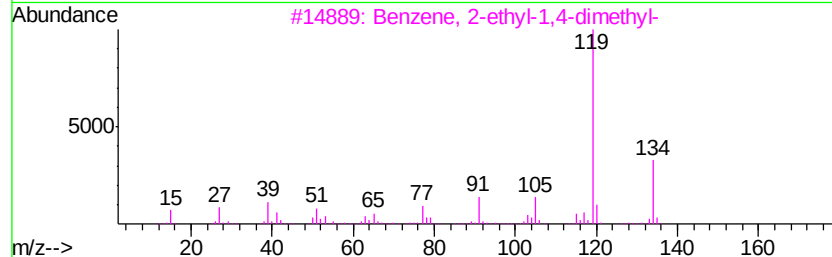
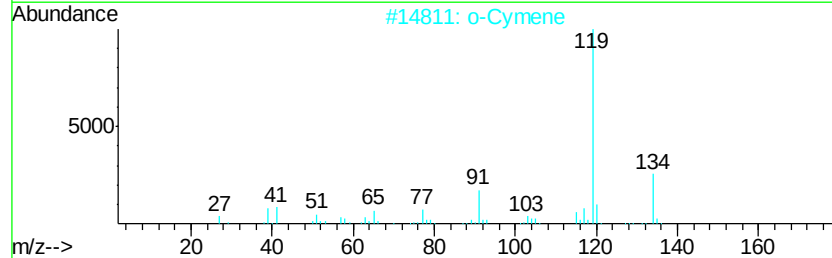
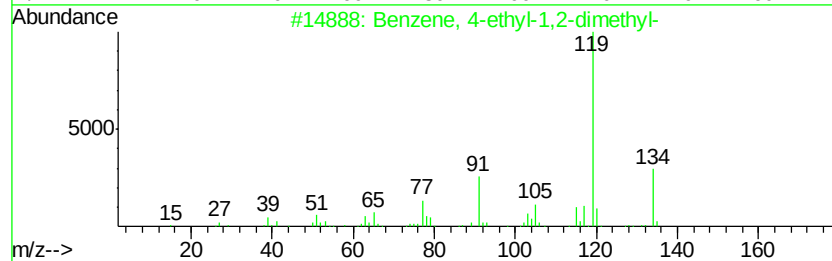
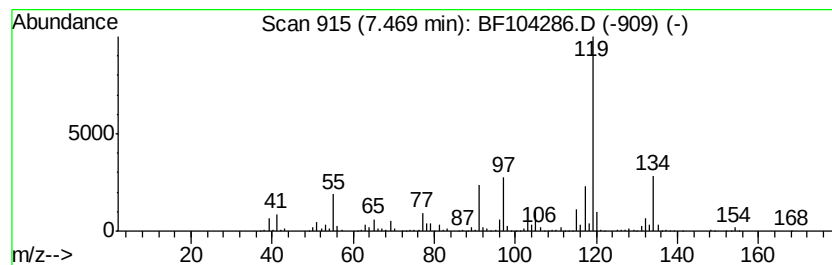
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.47	61.11 ng	3133550	1,4-Dichlorobenzene-d4	6.95

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
2		o-Cymene	134	C10H14	000527-84-4	93
3		Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	76
4		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	76
5		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	76



Data Path : Z:\HPCHEM1\BNA F\DATA\BF040518\
Data File : BF104286.D
Acq On : 5 Apr 2018 22:46
Operator : JU/SJ
Sample : J2227-02 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

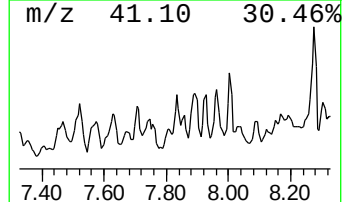
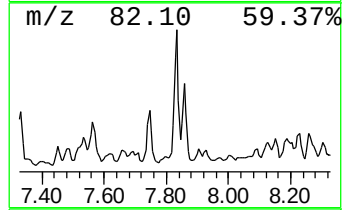
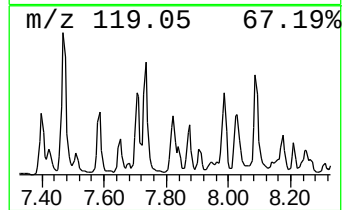
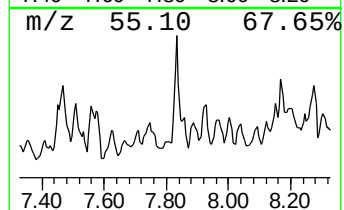
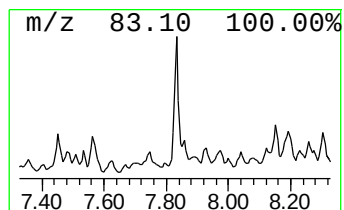
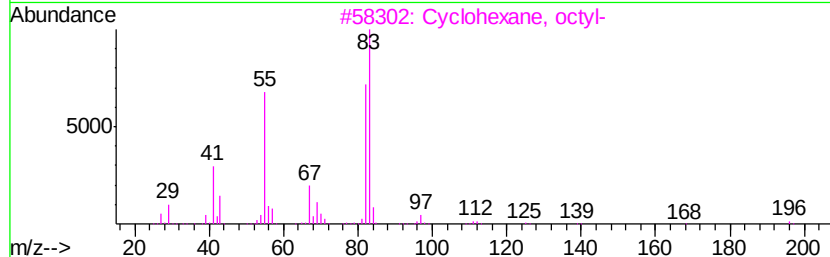
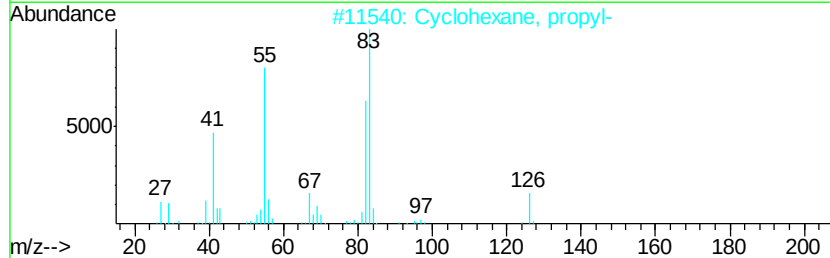
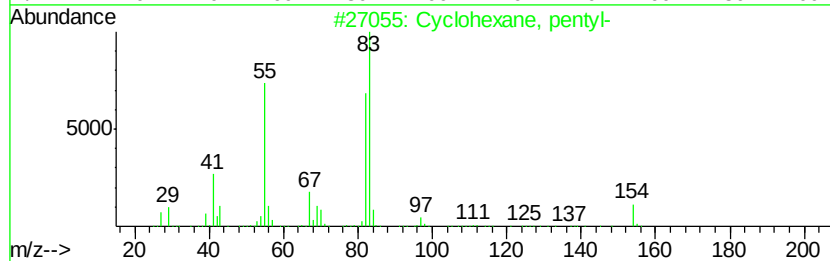
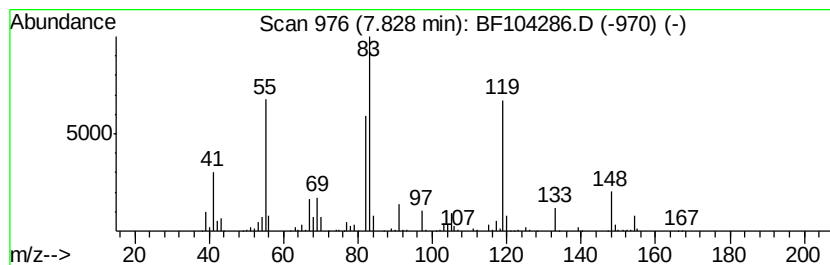
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Cyclohexane, pentyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.83	25.91 ng	2355760	Napthalene-d8	8.23
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Cyclohexane, pentyl-	154 C11H22	004292-92-6	70
2	Cyclohexane, propyl-	126 C9H18	001678-92-8	53
3	Cyclohexane, octyl-	196 C14H28	001795-15-9	53
4	Cyclohexane, butyl-	140 C10H20	001678-93-9	53
5	Cyclohexane, 2-propenyl-	124 C9H16	002114-42-3	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040518\
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Operator : JU/SJ
Sample : J2227-02 5X
Misc :
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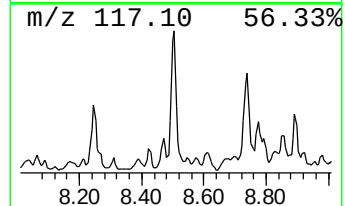
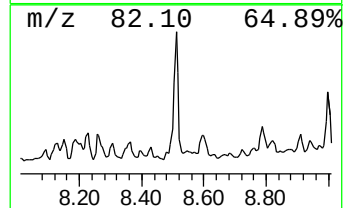
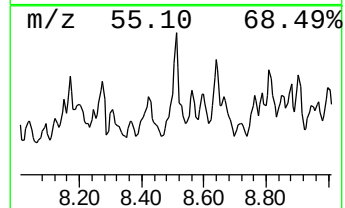
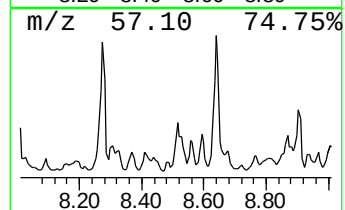
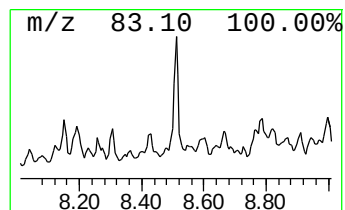
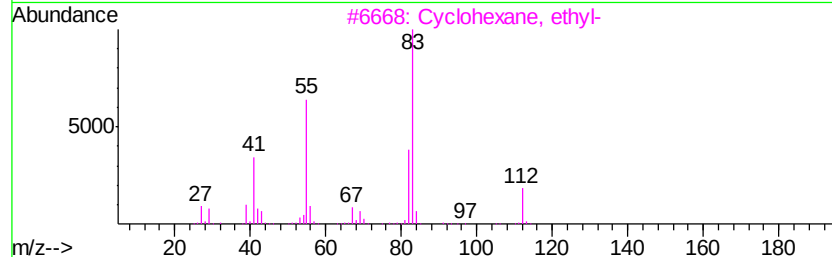
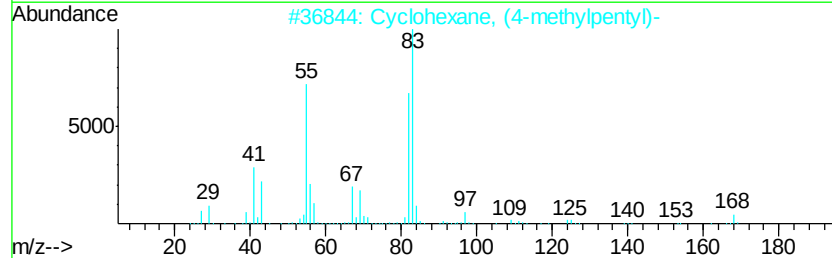
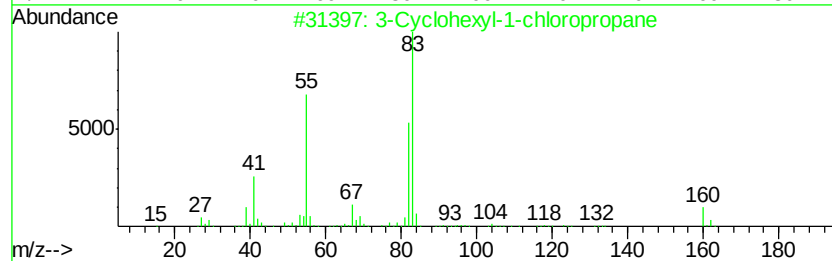
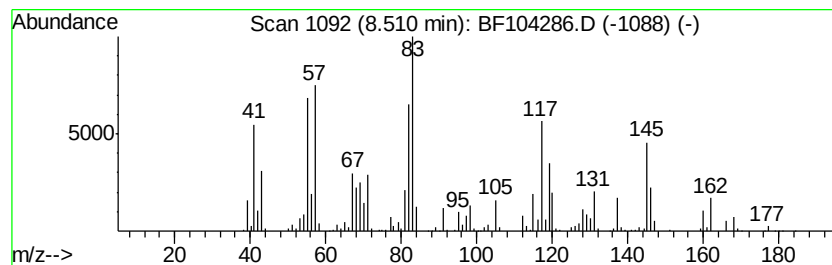
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 unknown8.51 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.51	33.77 ng	3070990	Napthalene-d8	8.23
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	3-Cyclohexyl-1-chloropropane	160 C9H17Cl	001124-62-5	38
2	Cyclohexane, (4-methylpentyl)-	168 C12H24	061142-20-9	30
3	Cyclohexane, ethyl-	112 C8H16	001678-91-7	30
4	Cyclohexane, propyl-	126 C9H18	001678-92-8	27
5	Cyclohexane, hexyl-	168 C12H24	004292-75-5	27



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040518\
Data File : BF104286.D
Acq On : 5 Apr 2018 22:46
Operator : JU/SJ
Sample : J2227-02 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

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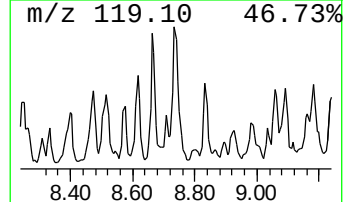
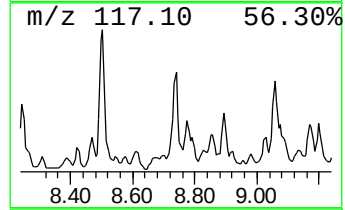
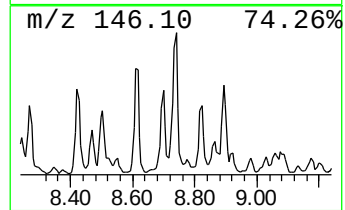
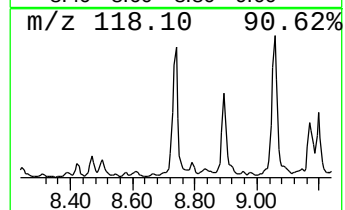
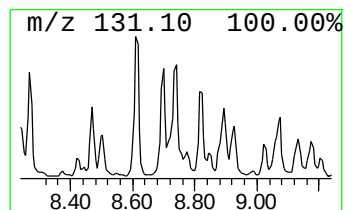
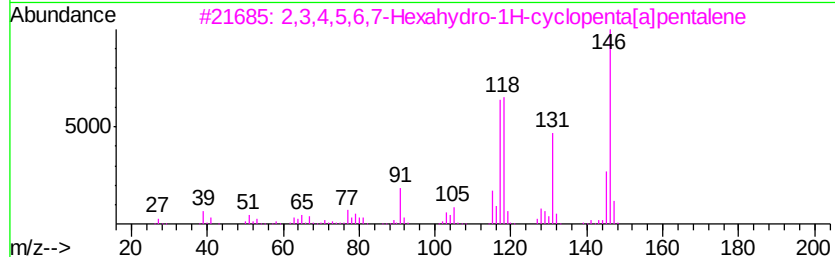
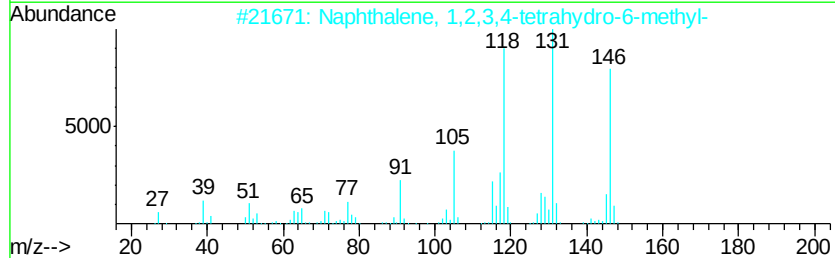
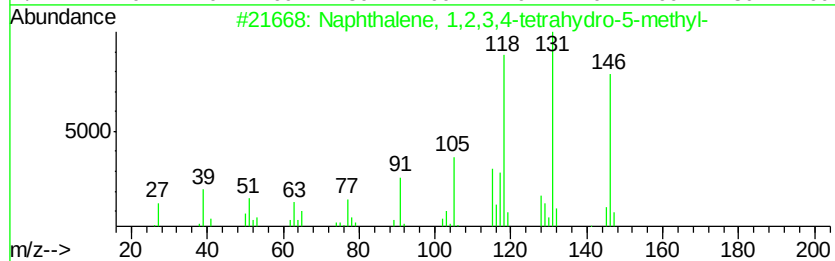
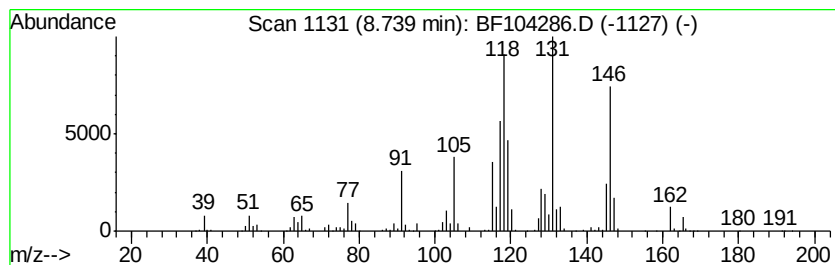
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Naphthalene, 1,2,3,4-tetra... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.74	41.52 ng	3775650	Naphthalene-d8	8.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	96
2		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	94
3		2,3,4,5,6,7-Hexahydro-1H-cyclope...	146	C11H14	1000189-31-0	81
4		Benzene, (1-ethyl-2-propenyl)-	146	C11H14	019947-22-9	68
5		1H-1,3,2-Benzodiazaborole, 2-eth...	146	C8H11BN2	074663-81-3	58



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040518\
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Sample : J2227-02 5X
Misc :
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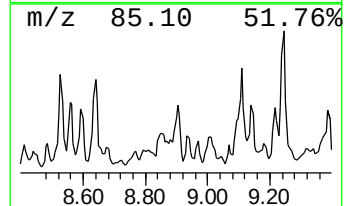
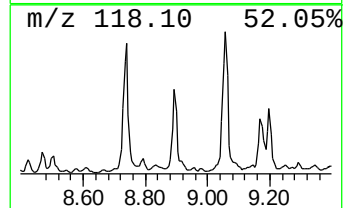
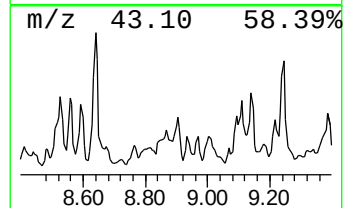
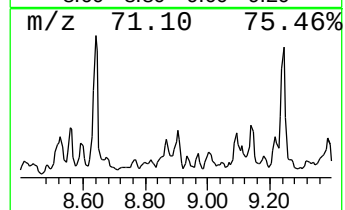
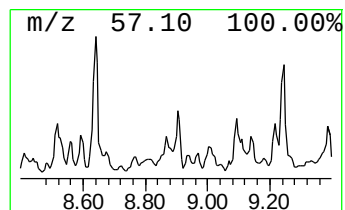
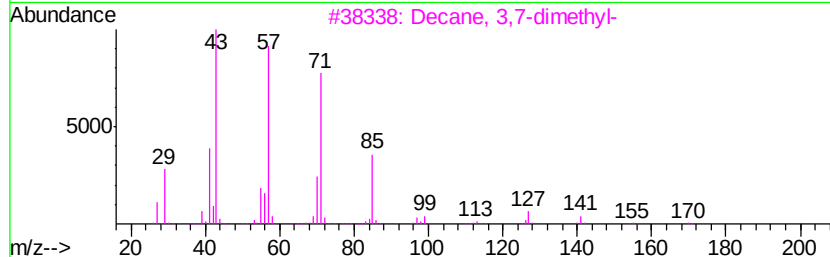
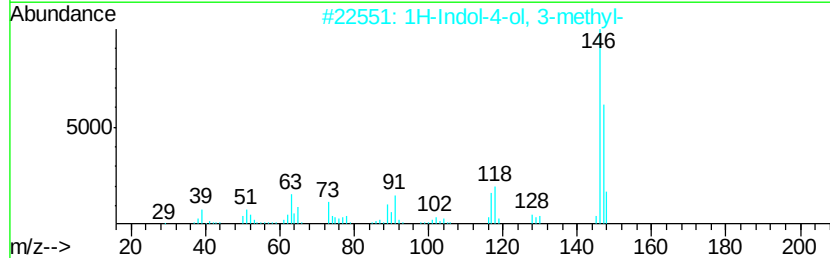
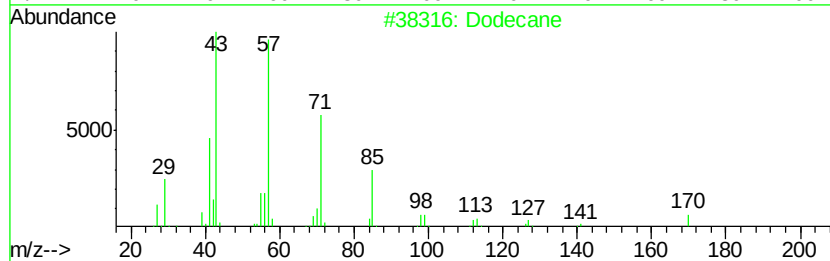
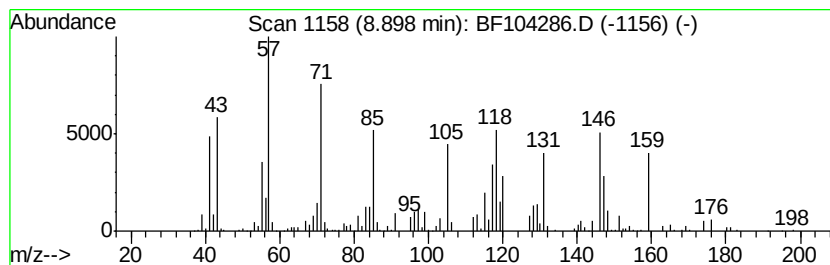
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Dodecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.90	35.40 ng	3219230	Napthalene-d8	8.23
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Dodecane		170 C12H26	000112-40-3 51
2	1H-Indol-4-ol, 3-methyl-		147 C9H9NO	001125-31-1 38
3	Decane, 3,7-dimethyl-		170 C12H26	017312-54-8 30
4	Pentadecane		212 C15H32	000629-62-9 25
5	Tetradecane		198 C14H30	000629-59-4 25



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040518\
Data File : BF104286.D
Acq On : 5 Apr 2018 22:46
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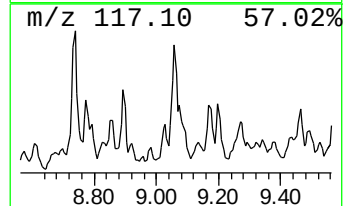
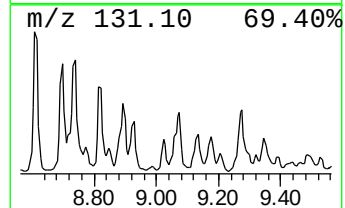
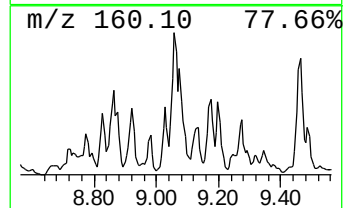
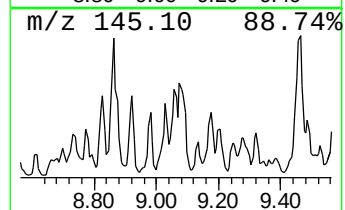
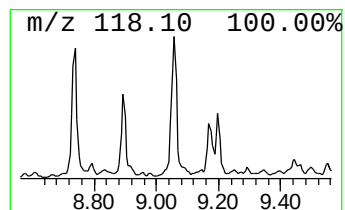
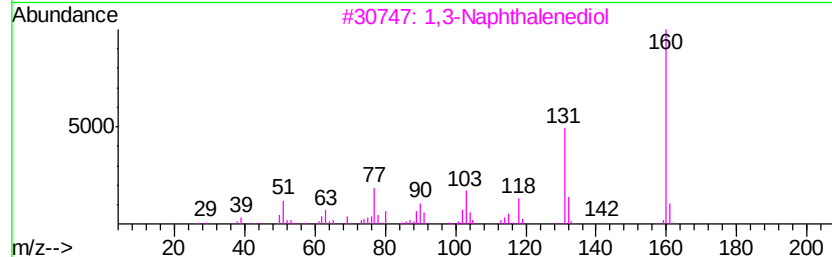
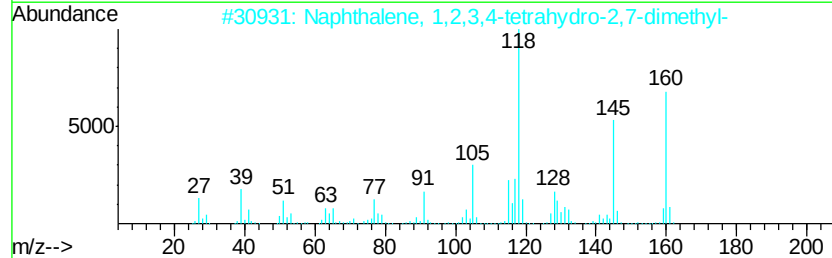
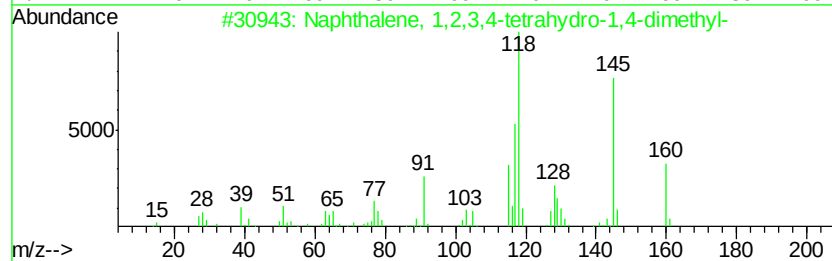
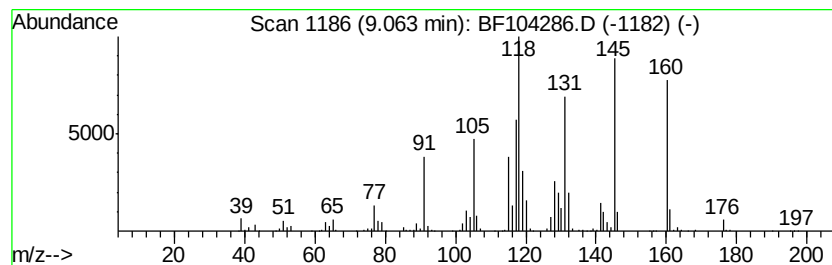
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Naphthalene, 1,2,3,4-tetra... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.06	35.03 ng	3185430	Naphthalene-d8	8.23

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	60
2		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	013065-07-1	55
3		1,3-Naphthalenediol	160	C10H8O2	000132-86-5	45
4		1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	44
5		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040518\
Data File : BF104286.D
Acq On : 5 Apr 2018 22:46
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ClientSampleId :
SB-2

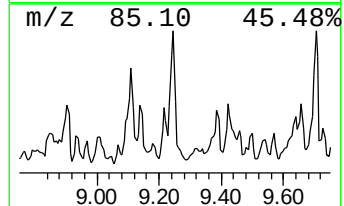
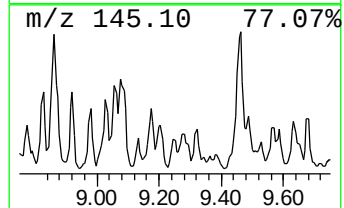
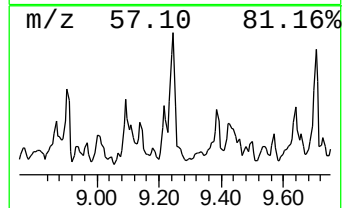
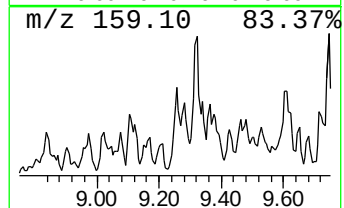
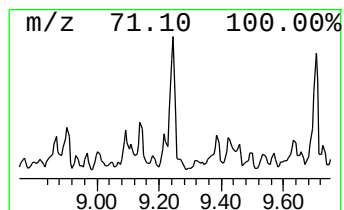
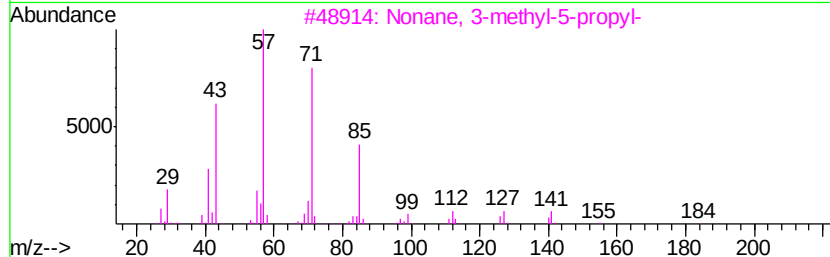
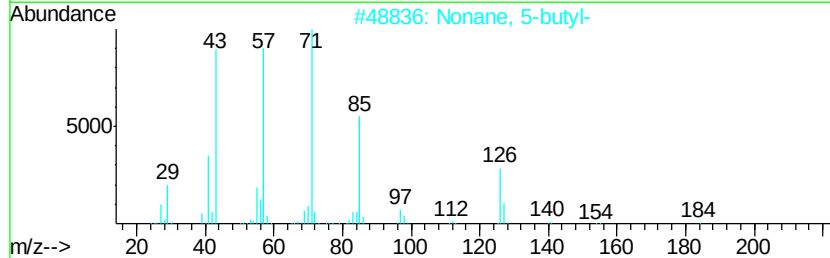
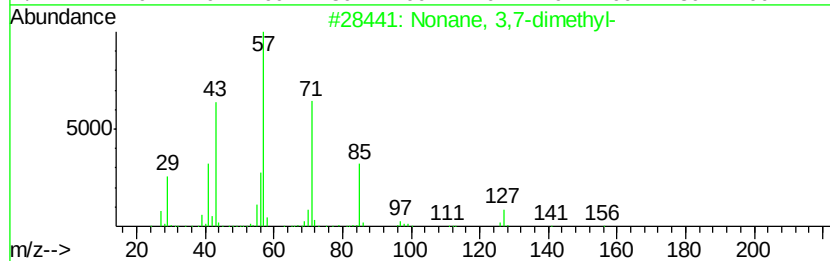
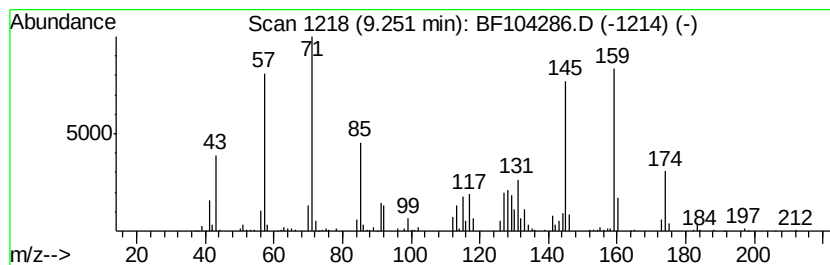
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Nonane, 3,7-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.25	29.36 ng	1573930	Acenaphthene-d10	10.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	62
2		Nonane, 5-butyl-	184	C13H28	017312-63-9	62
3		Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	53
4		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	52
5		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	52



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040518\
Data File : BF104286.D
Acq On : 5 Apr 2018 22:46
Operator : JU/SJ
Sample : J2227-02 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
SB-2

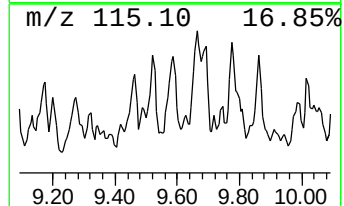
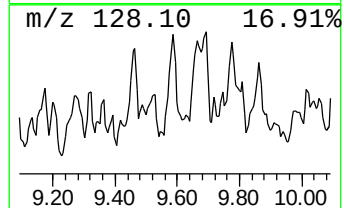
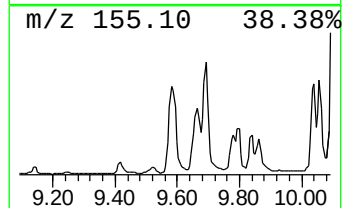
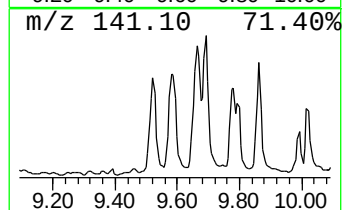
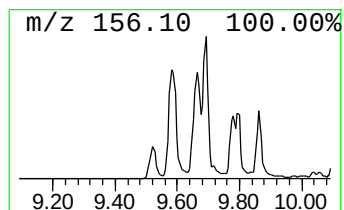
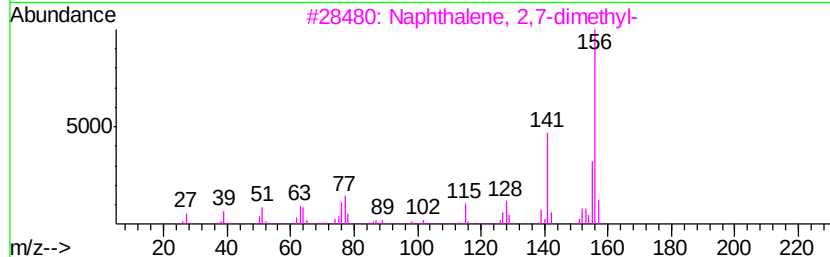
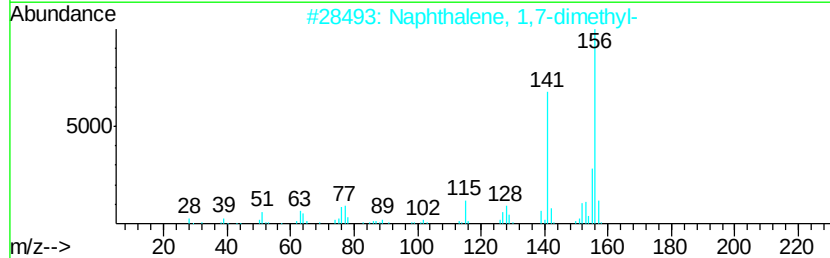
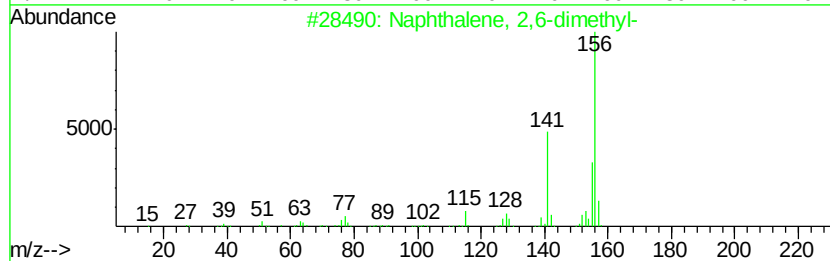
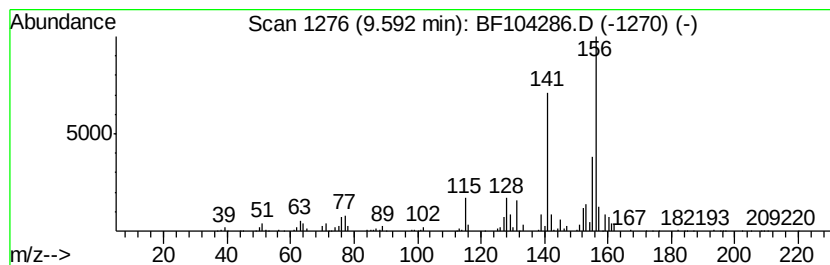
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Naphthalene, 2,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.59	49.06 ng	2629690	Acenaphthene-d10	10.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
2		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
3		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
4		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
5		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95



Data Path : Z:\HPCHEM1\BNA F\DATA\BF040518\
Data File : BF104286.D
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Operator : JU/SJ
Sample : J2227-02 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

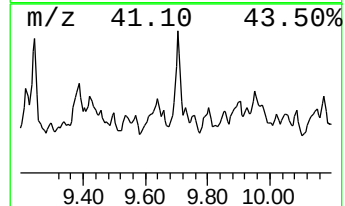
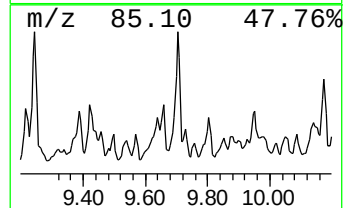
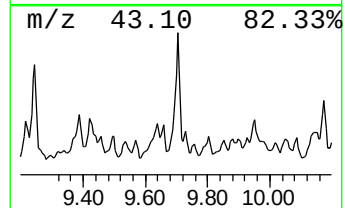
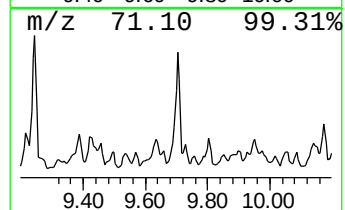
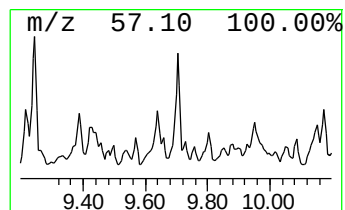
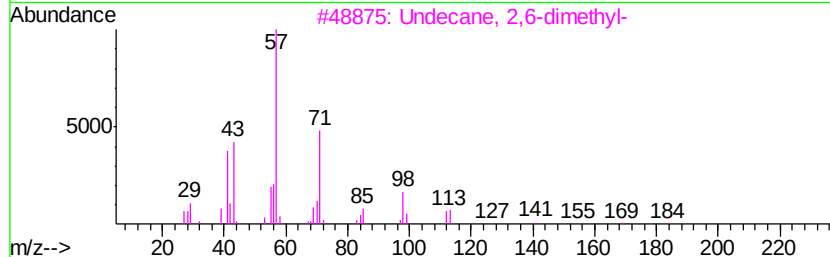
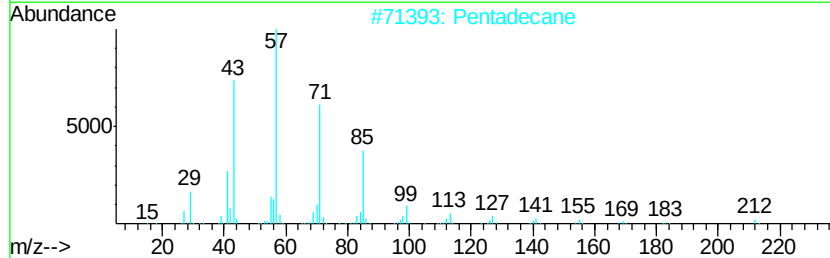
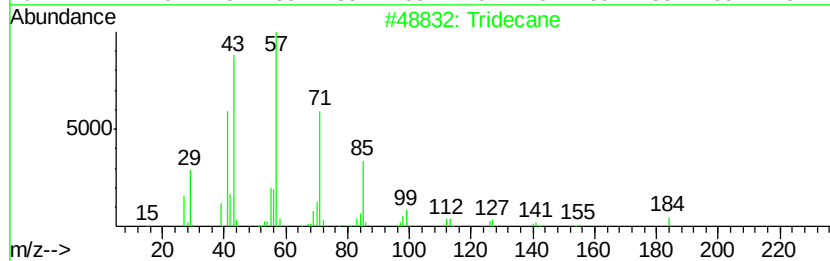
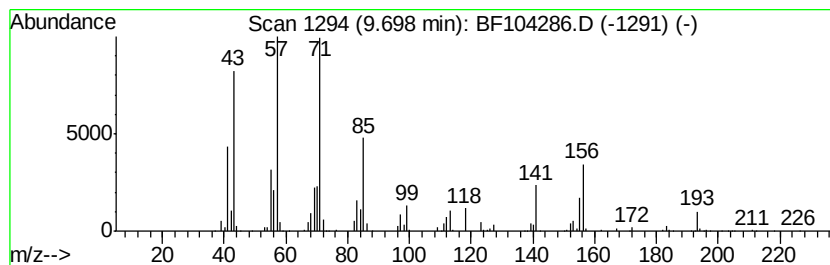
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Tridecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
9.70	65.11 ng	3489800	Acenaphthene-d10	10.00	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	70
2	Pentadecane	212	C15H32	000629-62-9	53
3	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	49
4	Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	47
5	Sulfurous acid, nonyl 2-propyl e...	250	C12H26O3S	1000309-12-0	47



Data Path : Z:\HPCHEM1\BNA F\DATA\BF040518\
Data File : BF104286.D
Acq On : 5 Apr 2018 22:46
Operator : JU/SJ
Sample : J2227-02 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-2

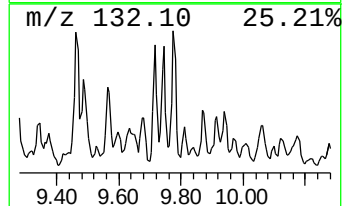
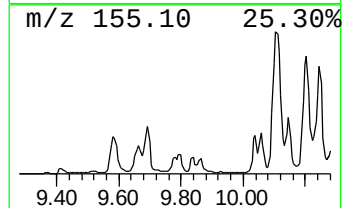
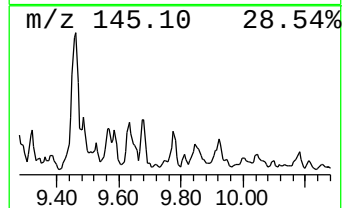
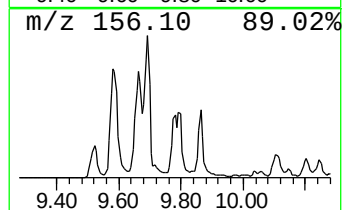
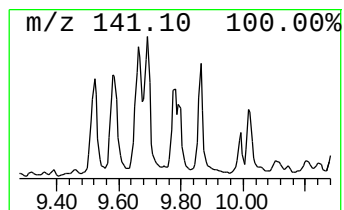
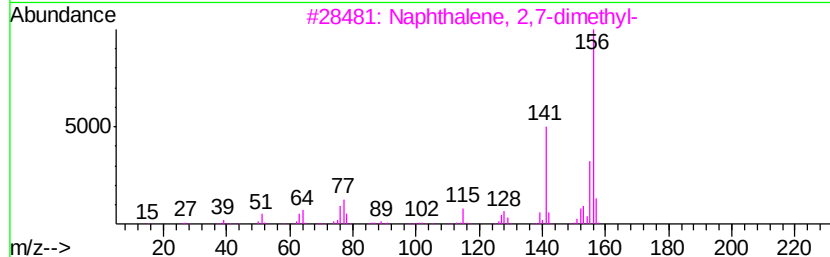
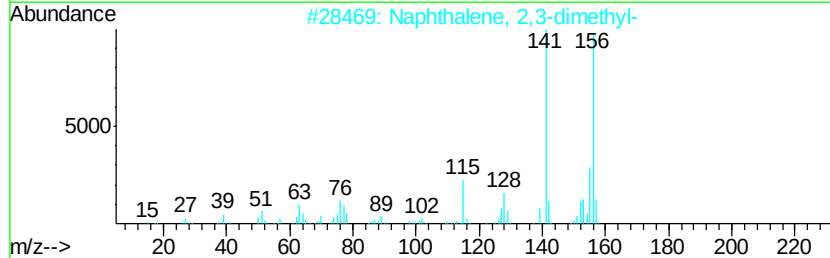
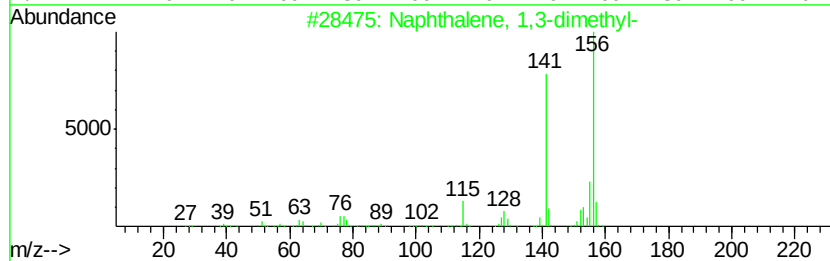
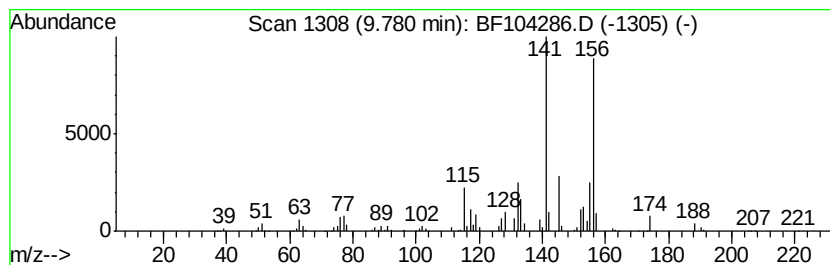
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Naphthalene, 1,3-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.78	59.30 ng	3178500	Acenaphthene-d10	10.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	94
2		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	91
3		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	90
4		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	89
5		Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	70



Data Path : Z:\HPCHEM1\BNA F\DATA\BF040518\
Data File : BF104286.D
Acq On : 5 Apr 2018 22:46
Operator : JU/SJ
Sample : J2227-02 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

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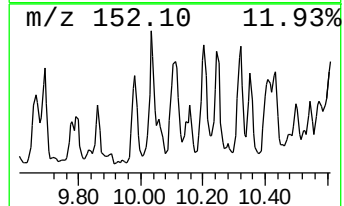
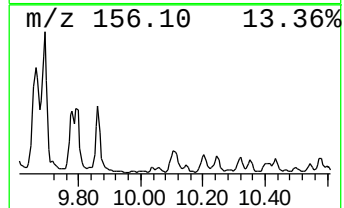
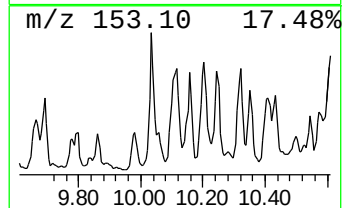
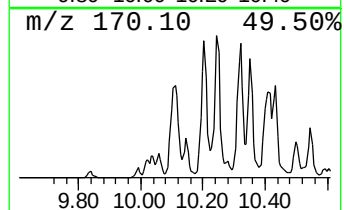
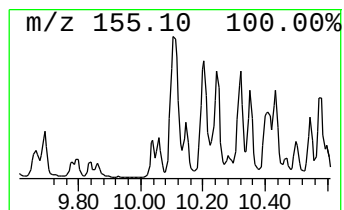
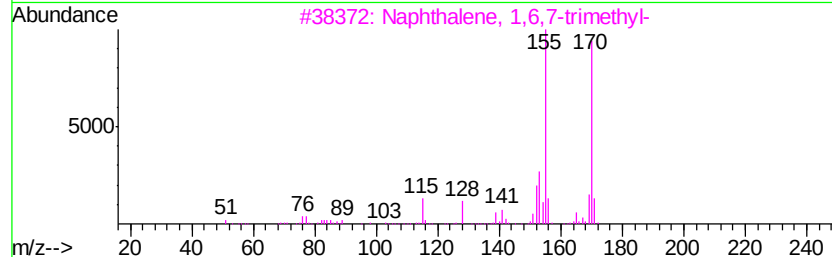
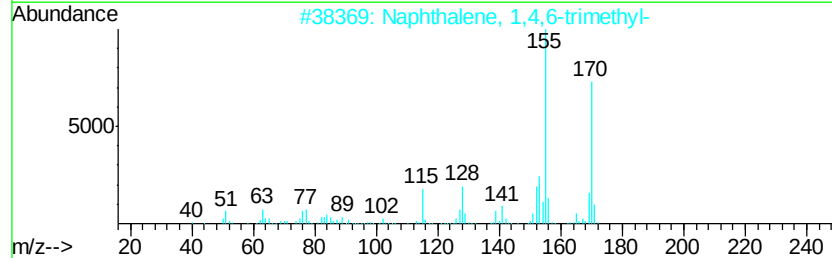
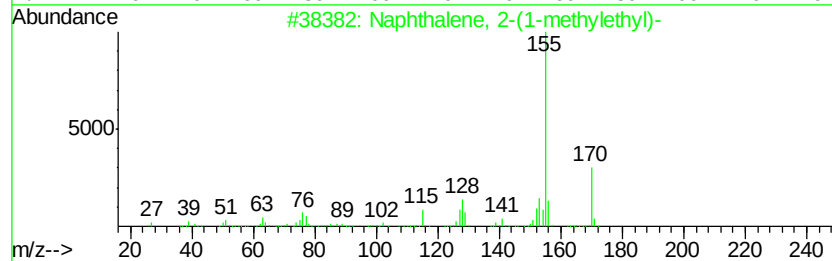
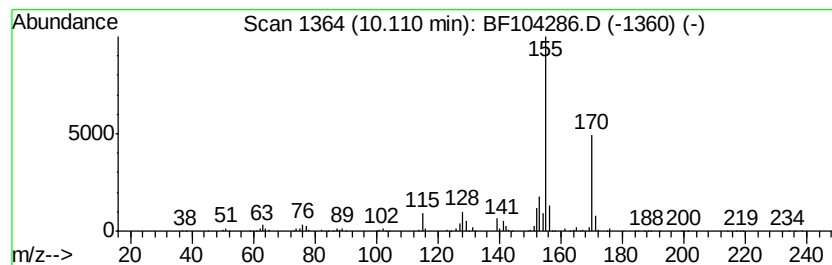
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Naphthalene, 2-(1-methyleth... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.11	29.38 ng	1574690	Acenaphthene-d10	10.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	91
2		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	89
3		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	76
4		Ethanone, 1-(5-chloro-2-hydroxyp...	170	C8H7ClO2	001450-74-4	72
5		3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	72



Data Path : Z:\HPCHEM1\BNA F\DATA\BF040518\
Data File : BF104286.D
Acq On : 5 Apr 2018 22:46
Operator : JU/SJ
Sample : J2227-02 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-2

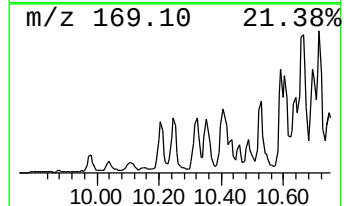
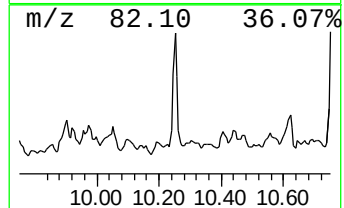
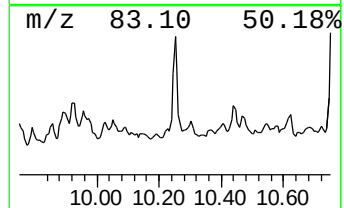
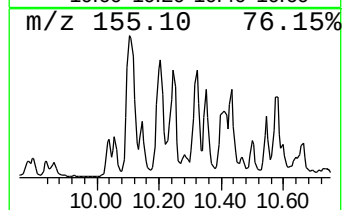
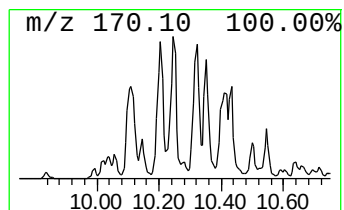
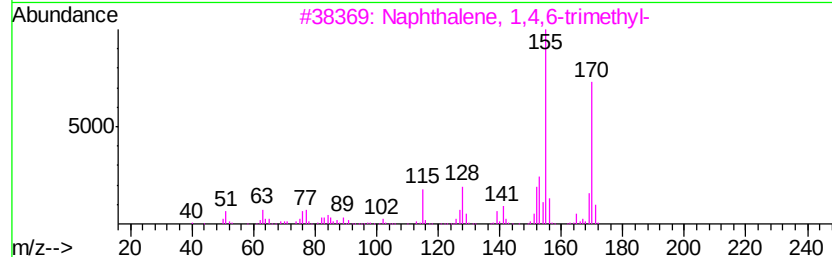
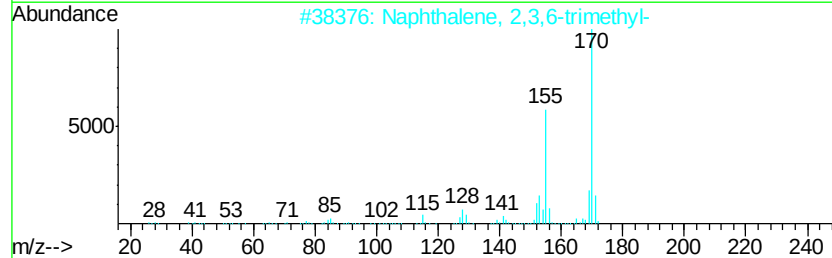
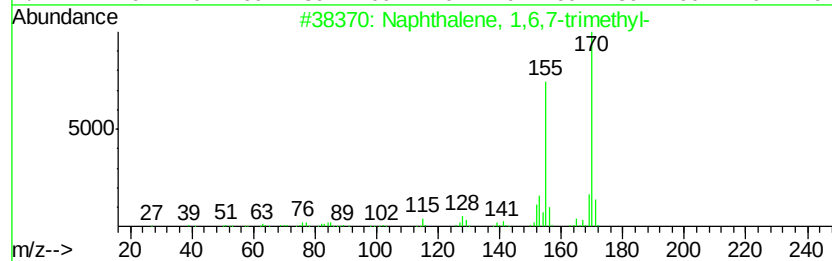
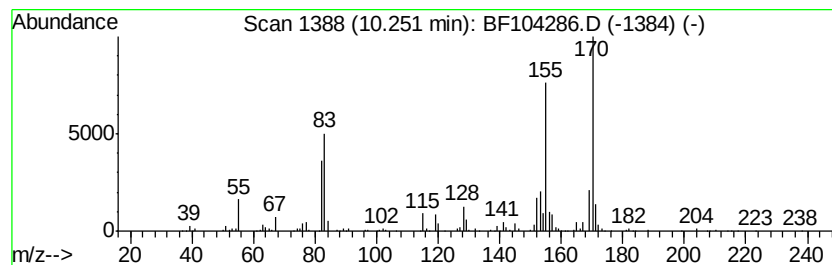
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Naphthalene, 1,6,7-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.25	63.60 ng	3408930	Acenaphthene-d10	10.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
2		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94
3		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	91
4		Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	89
5		4,6,8-Trimethylazulene	170	C13H14	000941-81-1	72



Data Path : Z:\HPCHEM1\BNA F\DATA\BF040518\
Data File : BF104286.D
Acq On : 5 Apr 2018 22:46
Operator : JU/SJ
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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampled :
SB-2

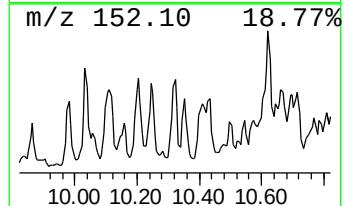
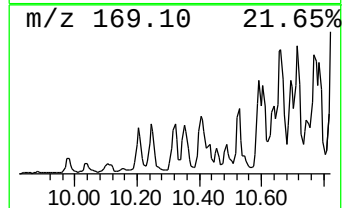
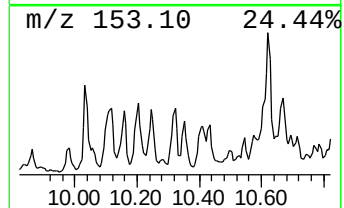
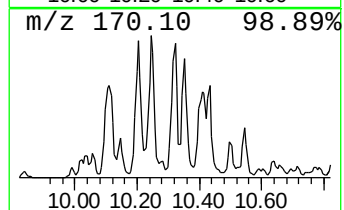
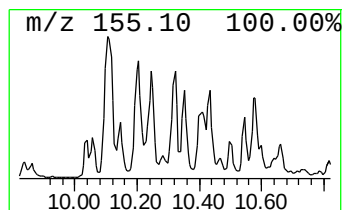
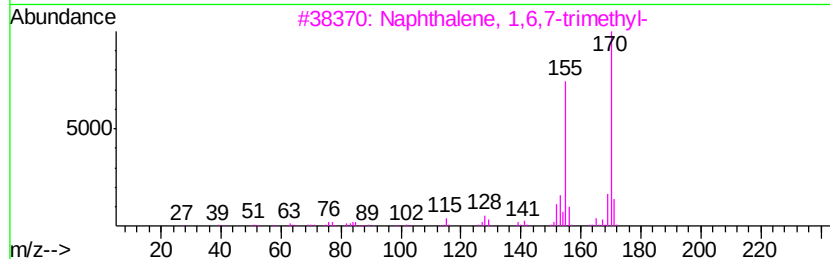
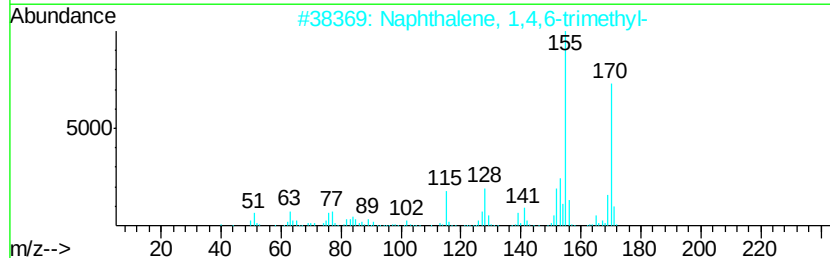
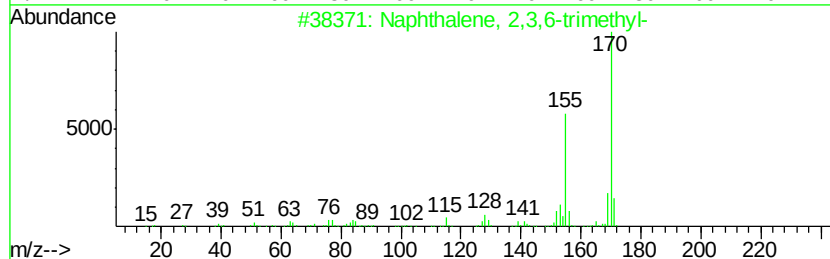
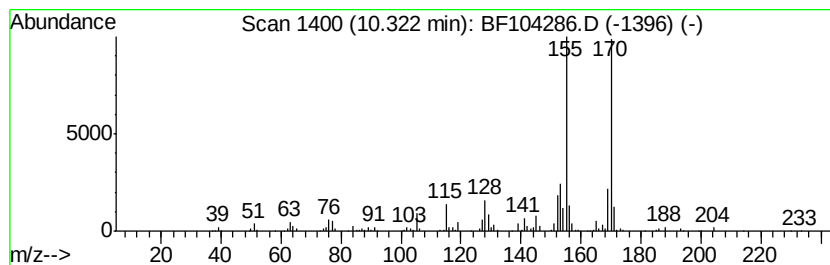
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Naphthalene, 2,3,6-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.32	50.55 ng	2709690	Acenaphthene-d10	10.00

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



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040518\
Data File : BF104286.D
Acq On : 5 Apr 2018 22:46
Operator : JU/SJ
Sample : J2227-02 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-2

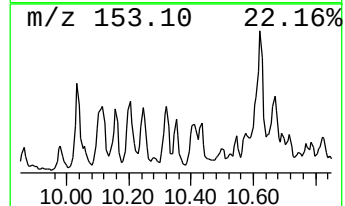
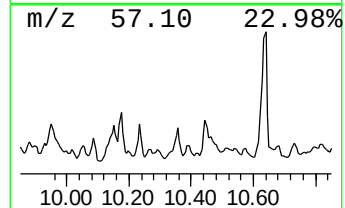
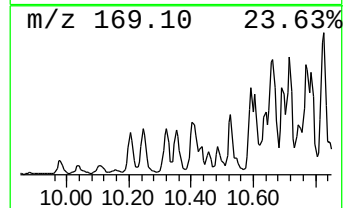
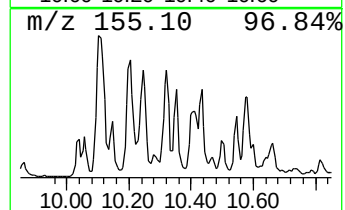
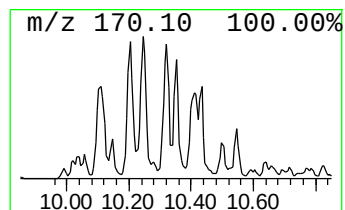
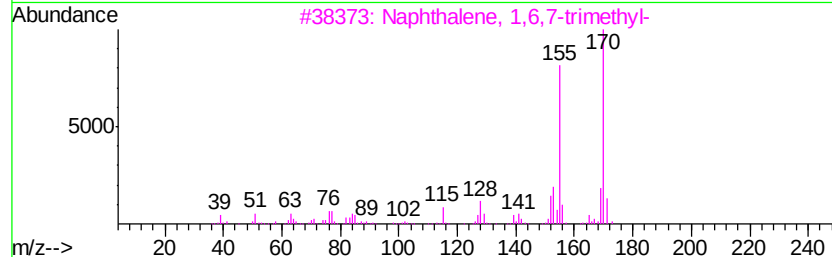
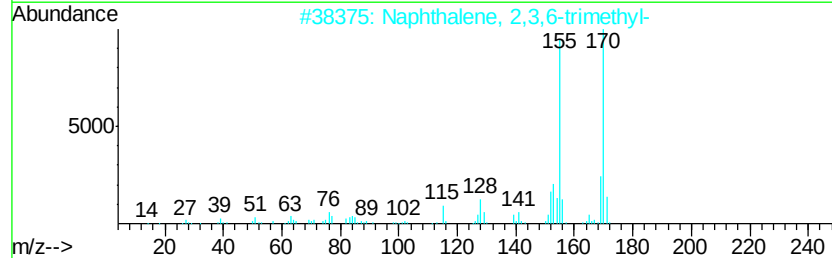
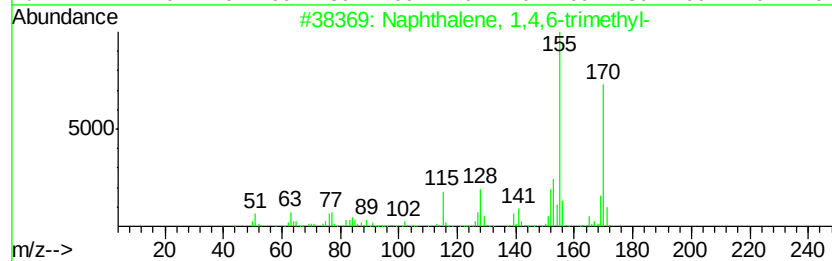
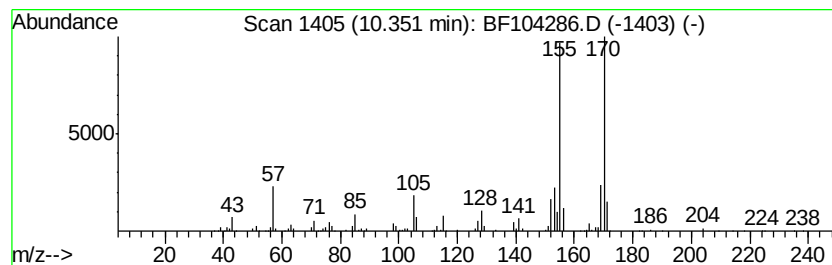
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Naphthalene, 1,4,6-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.35	30.19 ng	1618080	Acenaphthene-d10	10.00

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
2			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
3			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
4			4,6,8-Trimethylazulene	170	C13H14	000941-81-1	91
5			1-(2,2-Dimethylcyclopropyl)-2-ph...	170	C13H14	1000294-91-1	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF040518\
Data File : BF104286.D
Acq On : 5 Apr 2018 22:46
Operator : JU/SJ
Sample : J2227-02 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

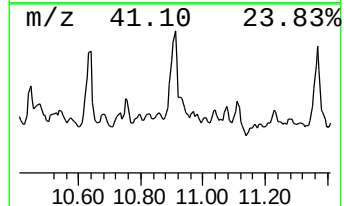
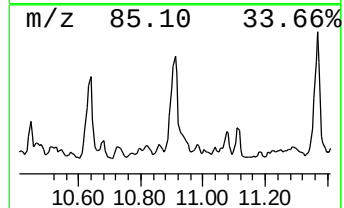
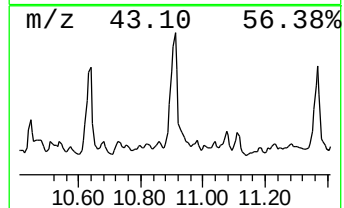
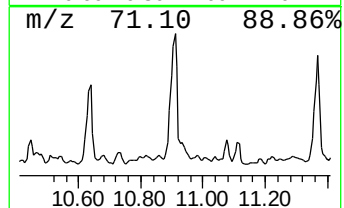
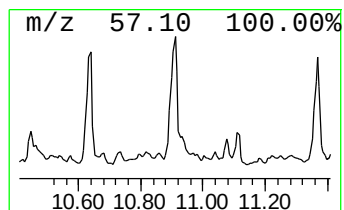
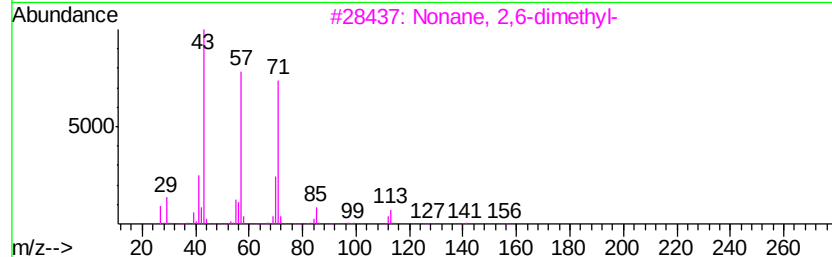
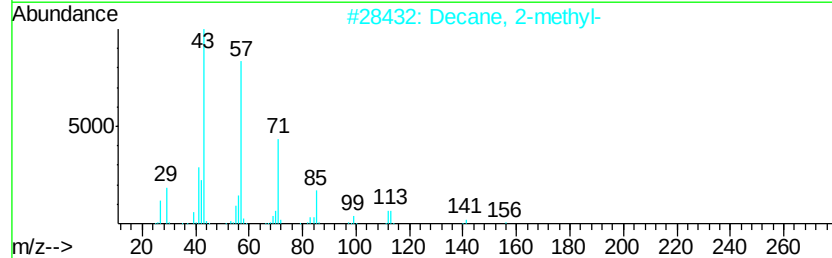
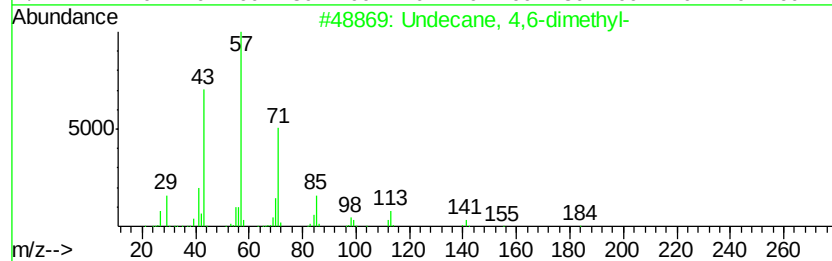
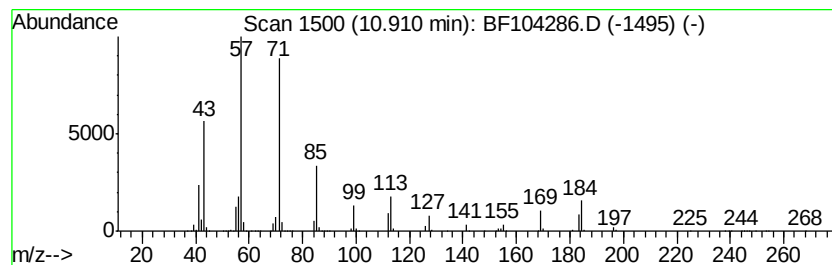
Instrument :
BNA_F
ClientSampleId :
SB-2

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Undecane, 4,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.91	57.31 ng	4605590	Phenanthrene-d10	11.50	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	72
2	Decane, 2-methyl-	156	C11H24	006975-98-0	64
3	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	58
4	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	50
5	3-Methyl-4-(methoxycarbonyl)hexa...	184	C9H12O4	1000104-10-8	47



Data Path : Z:\HPCHEM1\BNA F\DATA\BF040518\
Data File : BF104286.D
Acq On : 5 Apr 2018 22:46
Operator : JU/SJ
Sample : J2227-02 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-2

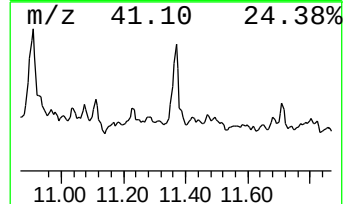
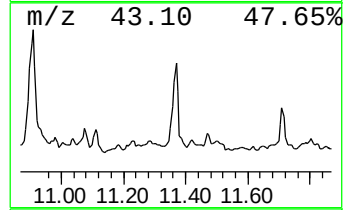
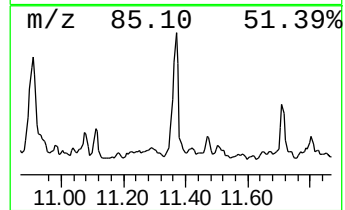
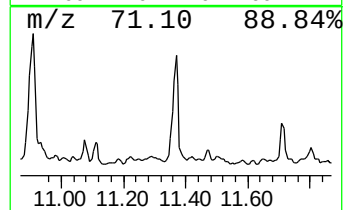
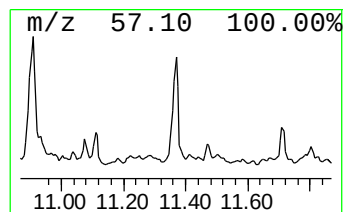
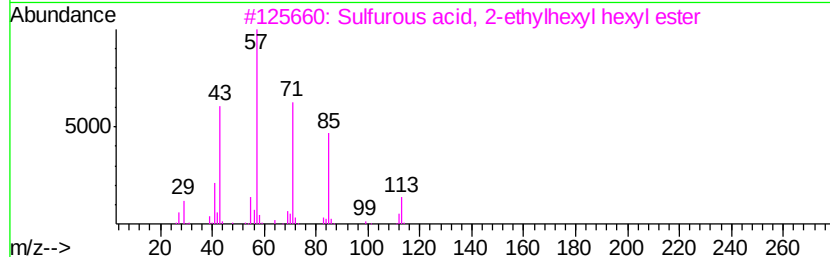
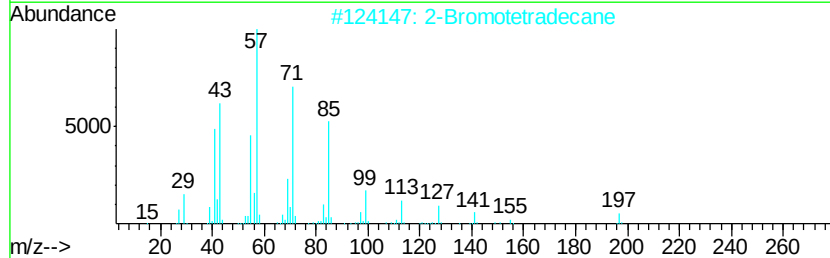
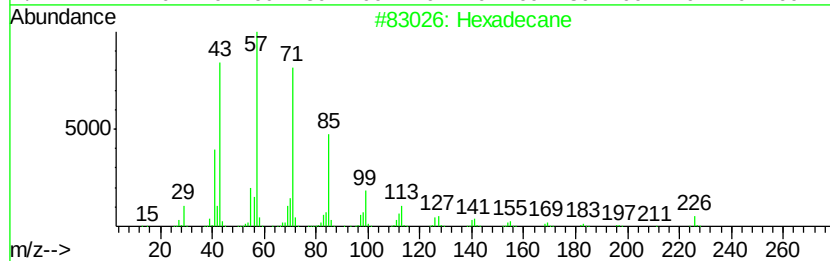
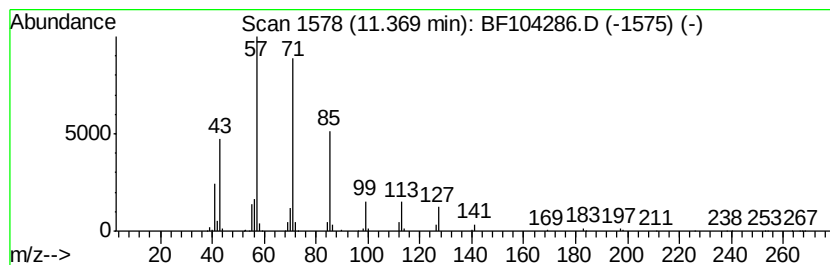
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Hexadecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.37	34.93 ng	2806930	Phenanthrene-d10	11.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane	226	C16H34	000544-76-3	90
2		2-Bromotetradecane	276	C14H29Br	074036-95-6	86
3		Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	80
4		Nonane, 5-butyl-	184	C13H28	017312-63-9	74
5		Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	50



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 Data File : BF104286.D
 Acq On : 5 Apr 2018 22:46
 Operator : JU/SJ
 Sample : J2227-02 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-2

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.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
Decane	6.76	32.4	ng	1659610	1	6.95	1025560	20.0
Cyclohexane, butyl-	7.07	25.0	ng	1281530	1	6.95	1025560	20.0
unknown7.26	7.26	37.2	ng	1907800	1	6.95	1025560	20.0
Benzene, 4-ethyl-...	7.47	61.1	ng	3133550	1	6.95	1025560	20.0
Cyclohexane, pentyl-	7.83	25.9	ng	2355760	2	8.23	1818610	20.0
unknown8.51	8.51	33.8	ng	3070990	2	8.23	1818610	20.0
Naphthalene, 1,2,...	8.74	41.5	ng	3775650	2	8.23	1818610	20.0
Dodecane	8.90	35.4	ng	3219230	2	8.23	1818610	20.0
Naphthalene, 1,2,...	9.06	35.0	ng	3185430	2	8.23	1818610	20.0
Nonane, 3,7-dimet...	9.25	29.4	ng	1573930	3	10.00	1072030	20.0
Naphthalene, 2,6-...	9.59	49.1	ng	2629690	3	10.00	1072030	20.0
Tridecane	9.70	65.1	ng	3489800	3	10.00	1072030	20.0
Naphthalene, 1,3-...	9.78	59.3	ng	3178500	3	10.00	1072030	20.0
Naphthalene, 2-(1...	10.11	29.4	ng	1574690	3	10.00	1072030	20.0
Naphthalene, 1,6,...	10.25	63.6	ng	3408930	3	10.00	1072030	20.0
Naphthalene, 2,3,...	10.32	50.5	ng	2709690	3	10.00	1072030	20.0
Naphthalene, 1,4,...	10.35	30.2	ng	1618080	3	10.00	1072030	20.0
Undecane, 4,6-dim...	10.91	57.3	ng	4605590	4	11.50	1607340	20.0
Hexadecane	11.37	34.9	ng	2806930	4	11.50	1607340	20.0