

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012615\
 Data File : BF077064.D
 Acq On : 26 Jan 2015 21:32
 Operator : TP/IZ
 Sample : G1138-05
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 275B3

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-BF011415.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	6.173	440	445	449	rVB	323322	743251	9.34%	0.423%
2	6.779	495	498	502	rVB2	429089	1006690	12.65%	0.573%
3	6.973	511	515	519	rBV2	281895	734486	9.23%	0.418%
4	7.407	547	553	555	rBV	1242002	2130306	26.77%	1.212%
5	7.910	594	597	600	rBV	607579	1024726	12.88%	0.583%
6	7.979	600	603	608	rVB2	668105	1317634	16.56%	0.749%
7	8.150	615	618	621	rBV	529601	871505	10.95%	0.496%
8	8.573	651	655	656	rBV	521703	880197	11.06%	0.501%
9	8.608	656	658	661	rVB	625981	982806	12.35%	0.559%
10	8.733	666	669	674	rVB	410229	985479	12.38%	0.561%
11	8.916	682	685	687	rBV	470497	854739	10.74%	0.486%
12	8.962	687	689	692	rVV	471215	751411	9.44%	0.427%
13	9.076	696	699	703	rBV2	1178536	2155238	27.08%	1.226%
14	9.385	720	726	730	rVB5	300218	968887	12.17%	0.551%
15	9.602	742	745	749	rBV4	571505	1419370	17.84%	0.807%
16	9.671	749	751	756	rVB	639298	1031775	12.96%	0.587%
17	9.842	764	766	770	rVB2	399869	813051	10.22%	0.462%
18	9.945	770	775	777	rBV3	485053	1397704	17.56%	0.795%
19	9.991	777	779	781	rVV	422666	688312	8.65%	0.392%
20	10.036	781	783	788	rVB2	433676	847976	10.66%	0.482%
21	10.128	788	791	793	rBV2	877076	1766324	22.19%	1.005%
22	10.173	793	795	797	rVB	611732	869108	10.92%	0.494%
23	10.231	797	800	803	rBV2	408372	829048	10.42%	0.472%
24	10.322	803	808	812	rVB4	729448	2081275	26.15%	1.184%
25	10.402	812	815	820	rVB4	438609	1207820	15.18%	0.687%
26	10.551	826	828	834	rVB2	406971	711558	8.94%	0.405%
27	10.688	834	840	842	rBV4	446544	1611185	20.25%	0.916%
28	10.745	842	845	854	rVB3	1057091	3581082	45.00%	2.037%
29	10.894	854	858	865	rVB	825200	2000306	25.14%	1.138%
30	11.156	878	881	884	rBV	1044629	1945113	24.44%	1.106%
31	11.214	884	886	888	rVB2	629801	891077	11.20%	0.507%
32	11.271	888	891	893	rBV	402644	930888	11.70%	0.530%
33	11.431	902	905	908	rBV	448646	938147	11.79%	0.534%
34	11.568	913	917	922	rVB5	347542	1223445	15.37%	0.696%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012615\
 Data File : BF077064.D
 Acq On : 26 Jan 2015 21:32
 Operator : TP/IZ
 Sample : G1138-05
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 275B3

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-BF011415.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.705	926	929	932	rBV2	571571	1177224	14.79%	0.670%
36	11.877	937	944	946	rBV3	517615	2092742	26.30%	1.190%
37	11.957	946	951	954	rVB3	1167596	2677610	33.65%	1.523%
38	12.037	954	958	960	rVB	1287780	2089309	26.25%	1.188%
39	12.094	960	963	970	rVB5	654006	2565635	32.24%	1.459%
40	12.254	973	977	978	rBV2	339528	758915	9.54%	0.432%
41	12.311	978	982	984	rBV	723376	1429371	17.96%	0.813%
42	12.425	987	992	998	rVB	2834533	6777781	85.17%	3.855%
43	12.631	1006	1010	1016	rVB2	1542190	3827344	48.09%	2.177%
44	12.745	1016	1020	1022	rBV	1135253	2295579	28.85%	1.306%
45	12.814	1022	1026	1028	rVB2	491729	1086181	13.65%	0.618%
46	13.054	1044	1047	1051	rVB2	1137232	2297892	28.87%	1.307%
47	13.157	1051	1056	1060	rBV5	308935	884936	11.12%	0.503%
48	13.259	1060	1065	1067	rBV3	379647	1169039	14.69%	0.665%
49	13.351	1071	1073	1077	rVB2	431168	796534	10.01%	0.453%
50	13.477	1077	1084	1086	rBV	1890942	4720803	59.32%	2.685%
51	13.694	1099	1103	1106	rBV2	803377	2036417	25.59%	1.158%
52	13.762	1106	1109	1112	rVV2	1104045	2809839	35.31%	1.598%
53	13.831	1112	1115	1117	rVV	370389	659996	8.29%	0.375%
54	13.945	1118	1125	1127	rVV	1610984	5505326	69.18%	3.132%
55	14.105	1131	1139	1142	rBV	2310829	7043462	88.51%	4.006%
56	14.174	1142	1145	1149	rVB2	1984381	4539539	57.04%	2.582%
57	14.368	1156	1162	1166	rBV3	914529	3137069	39.42%	1.784%
58	14.448	1166	1169	1172	rVB4	667642	1524029	19.15%	0.867%
59	14.540	1172	1177	1178	rBV2	931966	2025037	25.45%	1.152%
60	14.585	1178	1181	1183	rVB	1724253	3284647	41.27%	1.868%
61	14.654	1183	1187	1191	rBV5	682099	1713815	21.54%	0.975%
62	14.814	1198	1201	1206	rVB4	451592	1369623	17.21%	0.779%
63	14.928	1206	1211	1213	rBV2	786822	2049337	25.75%	1.166%
64	14.985	1213	1216	1220	rBV3	225397	828745	10.41%	0.471%
65	15.191	1229	1234	1240	rBV2	1091642	3724458	46.80%	2.119%
66	15.283	1240	1242	1245	rVB2	447933	683976	8.59%	0.389%
67	15.374	1245	1250	1252	rBV4	362061	1223867	15.38%	0.696%
68	15.420	1252	1254	1257	rVB	1077267	1964313	24.68%	1.117%
69	15.511	1257	1262	1265	rBV	1196992	2583761	32.47%	1.470%
70	15.671	1272	1276	1279	rBV2	991735	2335337	29.34%	1.328%
71	15.728	1279	1281	1283	rVV	1186169	1736166	21.82%	0.988%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012615\
 Data File : BF077064.D
 Acq On : 26 Jan 2015 21:32
 Operator : TP/IZ
 Sample : G1138-05
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 275B3

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:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	15.820	1286	1289	1291	rVV3	708435	1614507	20.29%	0.918%
73	15.888	1291	1295	1298	rVB3	761993	2169346	27.26%	1.234%
74	16.083	1309	1312	1315	rBV2	651431	1597791	20.08%	0.909%
75	16.197	1320	1322	1323	rBV	610182	990697	12.45%	0.564%
76	16.483	1345	1347	1350	rVB2	454759	789918	9.93%	0.449%
77	16.540	1350	1352	1354	rBV2	349608	813298	10.22%	0.463%
78	16.608	1354	1358	1362	rVV	1663819	3854850	48.44%	2.193%
79	16.711	1365	1367	1371	rVB4	412529	865075	10.87%	0.492%
80	16.826	1375	1377	1379	rVB	548344	670513	8.43%	0.381%
81	16.951	1385	1388	1389	rBV	421492	632986	7.95%	0.360%
82	16.986	1389	1391	1393	rVB2	503774	645666	8.11%	0.367%
83	17.066	1393	1398	1401	rBV	3798171	7958223	100.00%	4.527%
84	17.134	1401	1404	1406	rVB3	870225	1360122	17.09%	0.774%
85	17.271	1413	1416	1418	rBV4	496851	948778	11.92%	0.540%
86	17.317	1418	1420	1423	rVV2	756925	1260928	15.84%	0.717%
87	17.488	1431	1435	1439	rBV5	669819	1848581	23.23%	1.052%
88	17.694	1451	1453	1456	rVB	1038127	1359140	17.08%	0.773%
89	17.763	1456	1459	1463	rBV	2280974	4405116	55.35%	2.506%
90	17.889	1467	1470	1471	rBV3	457580	731212	9.19%	0.416%
91	17.923	1471	1473	1476	rVB2	371842	685186	8.61%	0.390%
92	18.266	1500	1503	1507	rVB3	841956	1669096	20.97%	0.949%
93	18.357	1507	1511	1513	rBV4	255390	855284	10.75%	0.487%
94	18.403	1513	1515	1517	rVV	575502	873510	10.98%	0.497%
95	18.449	1517	1519	1521	rVV	877519	979760	12.31%	0.557%
96	18.551	1526	1528	1529	rVV	545955	779601	9.80%	0.443%
97	18.586	1529	1531	1534	rVB2	624216	1030094	12.94%	0.586%
98	18.746	1541	1545	1549	rBV5	290723	916338	11.51%	0.521%
99	19.169	1579	1582	1583	rBV	694581	1169692	14.70%	0.665%
100	19.237	1586	1588	1590	rVV2	355339	710193	8.92%	0.404%

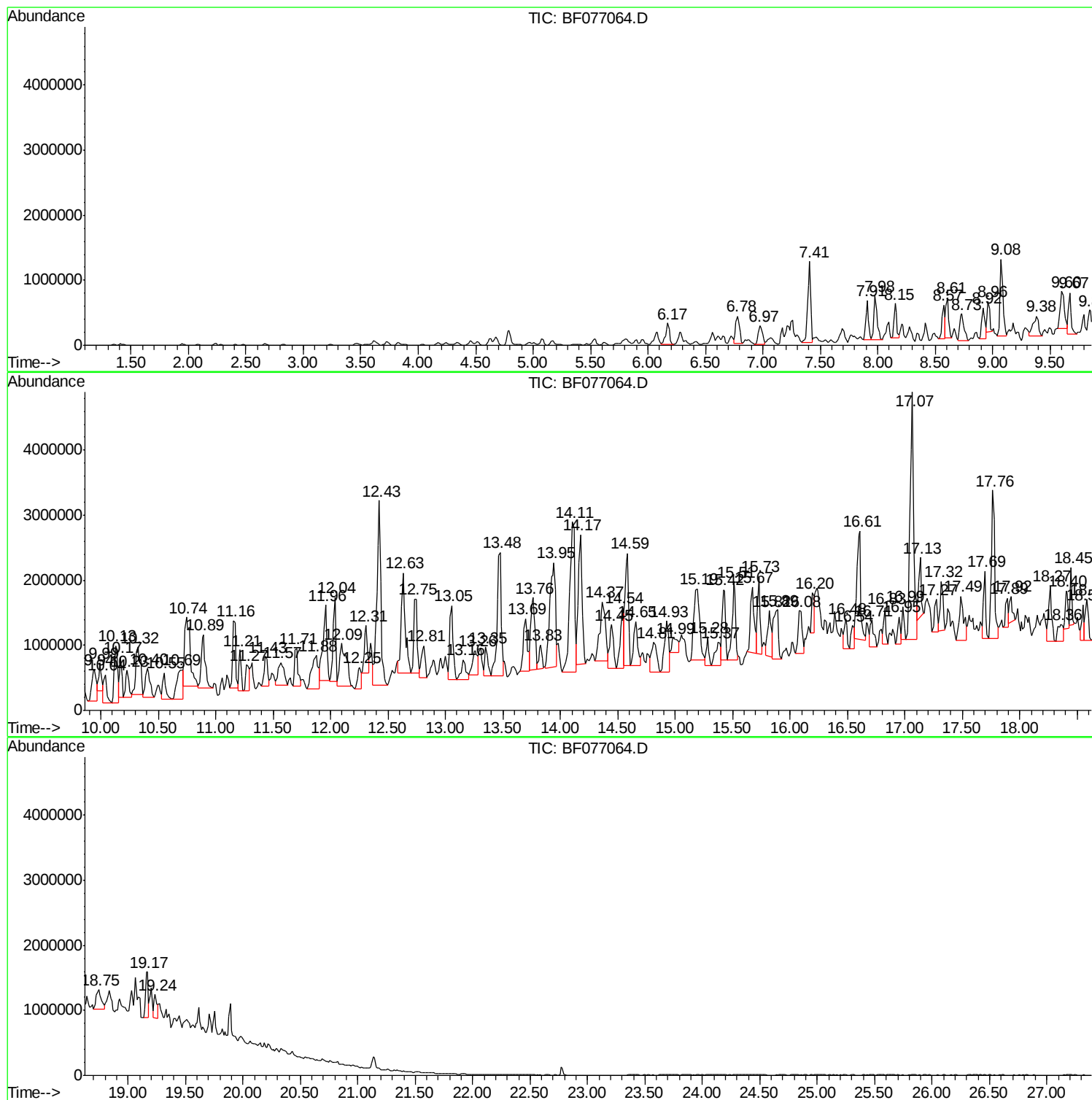
Sum of corrected areas: 175803074

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012615\
Data File : BF077064.D
Acq On : 26 Jan 2015 21:32
Operator : TP/IZ
Sample : G1138-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
275B3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012615\
Data File : BF077064.D
Acq On : 26 Jan 2015 21:32
Operator : TP/IZ
Sample : G1138-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
275B3

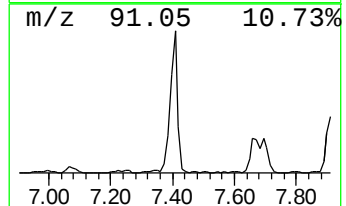
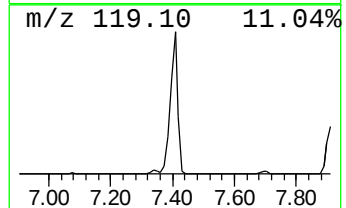
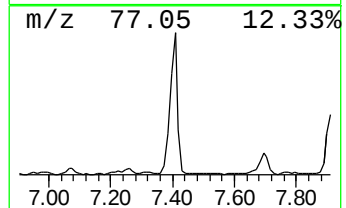
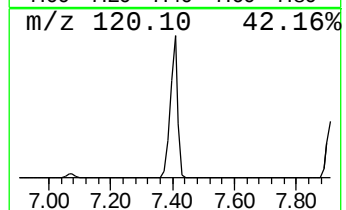
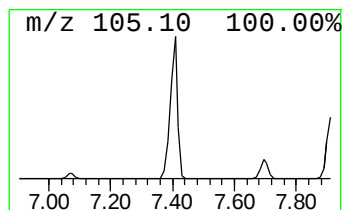
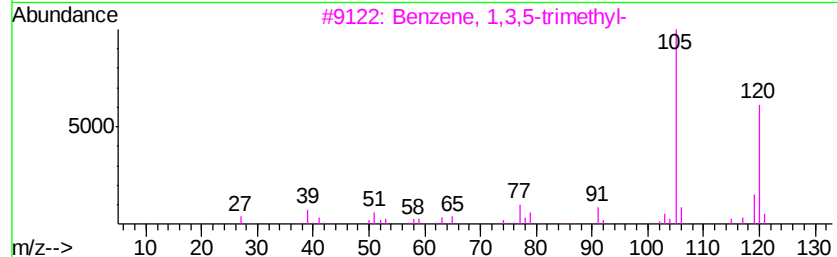
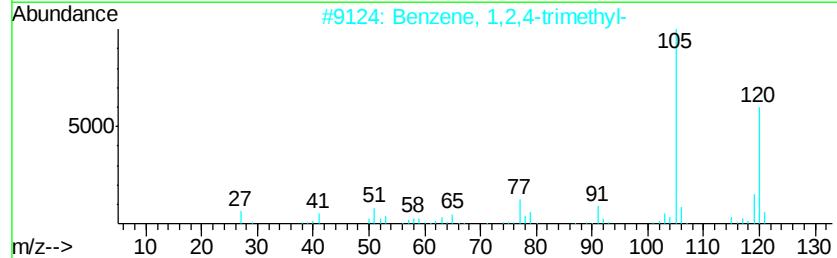
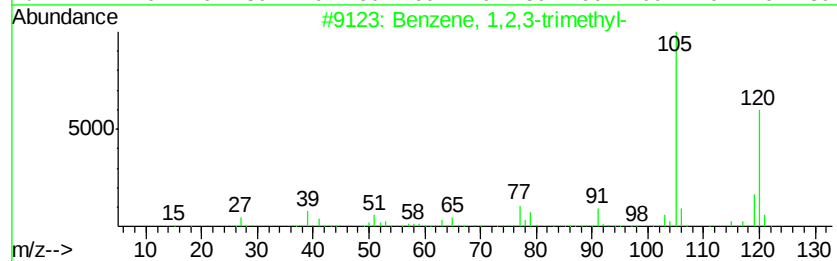
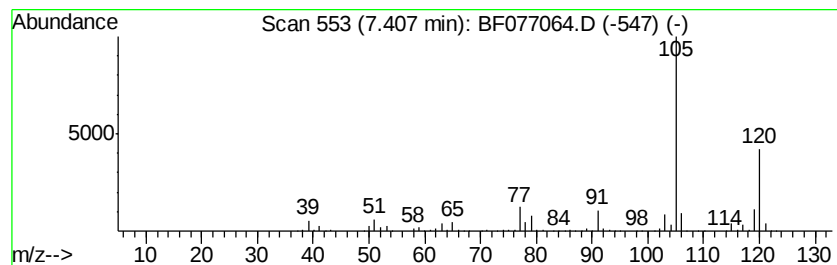
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Benzene, 1,2,3-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.41	41.58 ng	2130310	1,4-Dichlorobenzene-d4	7.77

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
2			Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
3			Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	91
4			Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90
5			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012615\
Data File : BF077064.D
Acq On : 26 Jan 2015 21:32
Operator : TP/IZ
Sample : G1138-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
275B3

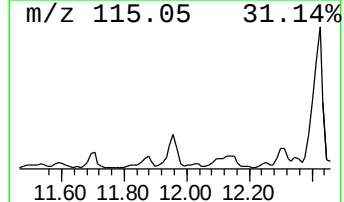
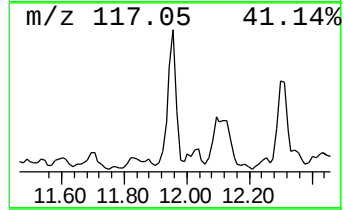
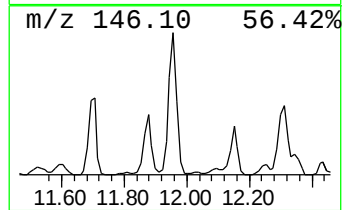
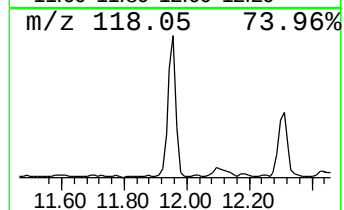
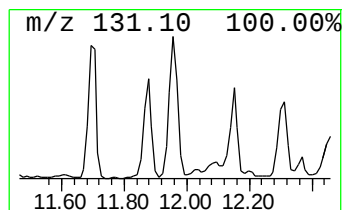
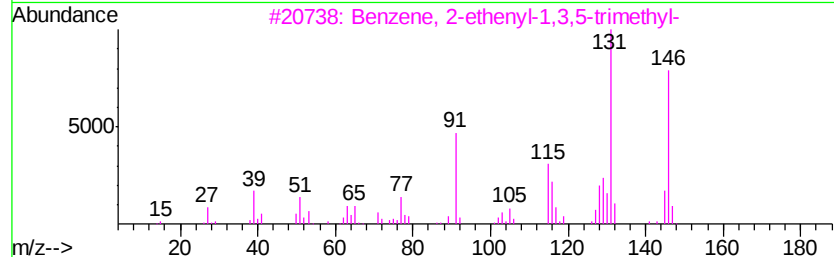
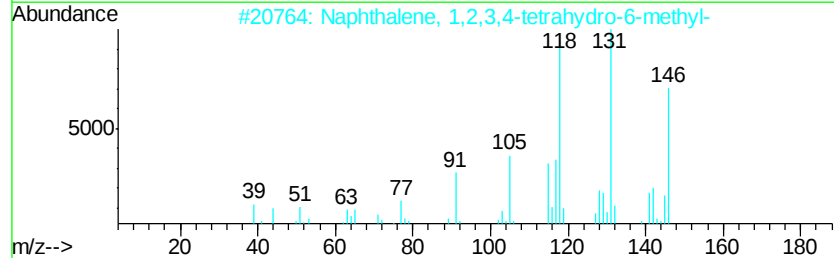
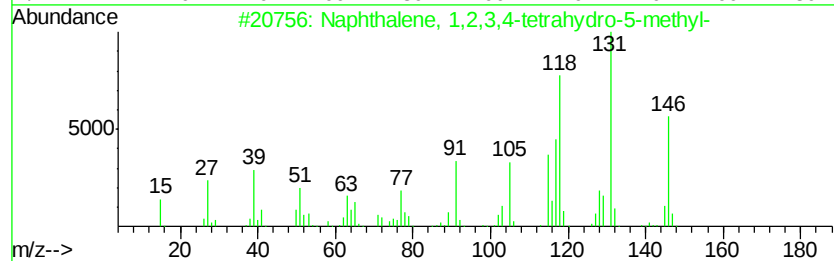
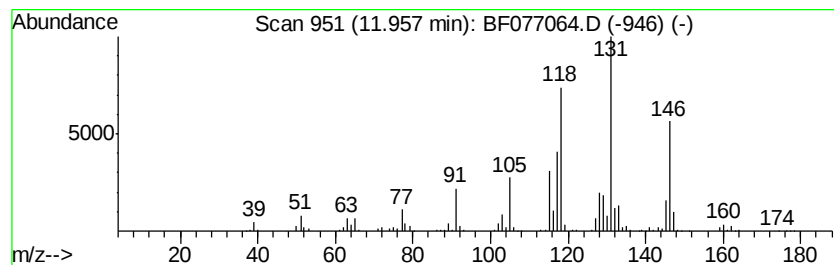
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Naphthalene, 1,2,3,4-tetra... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	33.24 ng	2677610	Naphthalene-d8	10.69

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	95
2		Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	93
3		Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	78
4		1H-Inden-1-one, 2,3-dihydro-2-me...	146	C10H10O	017496-14-9	58
5		.alpha.,.beta.,.beta.-Trimethyls...	146	C11H14	000769-57-3	55



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012615\
Data File : BF077064.D
Acq On : 26 Jan 2015 21:32
Operator : TP/IZ
Sample : G1138-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
275B3

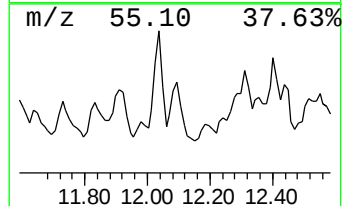
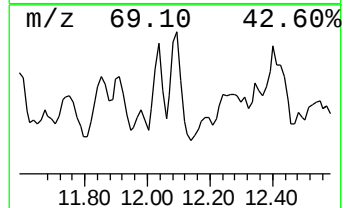
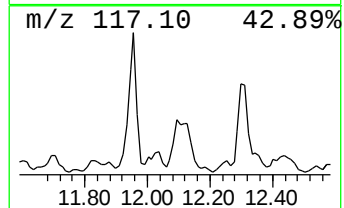
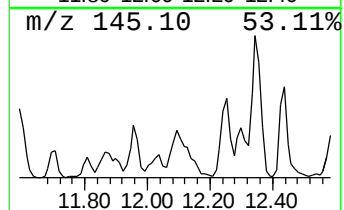
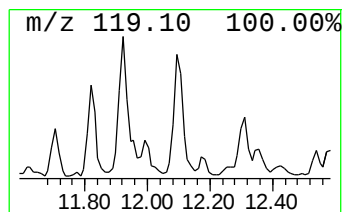
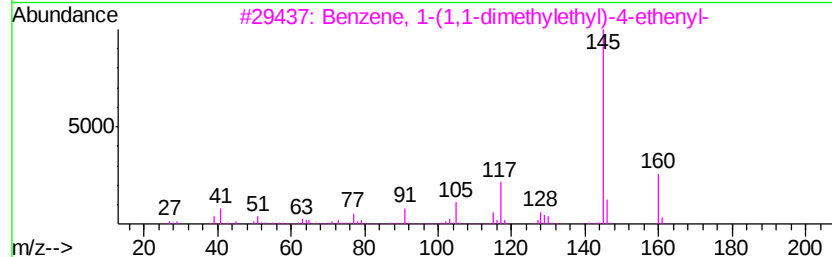
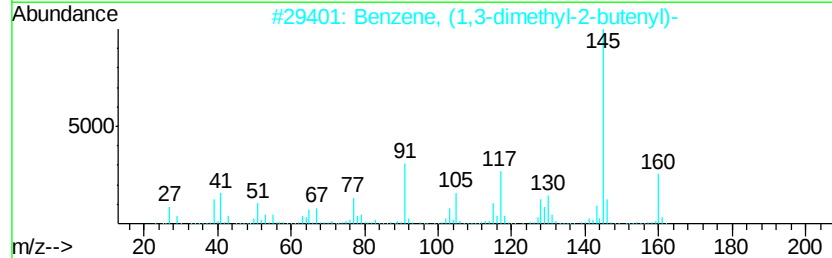
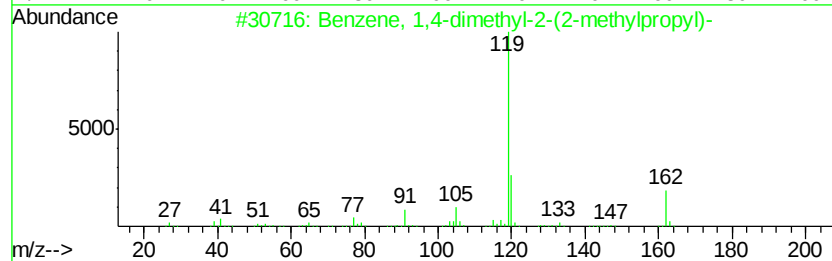
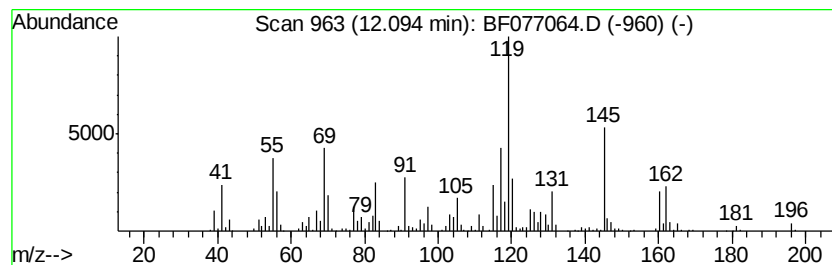
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 unknown12.09 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.09	31.85 ng	2565640	Napthalene-d8	10.69

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,4-dimethyl-2-(2-methy...	162	C12H18	055669-88-0	46
2		Benzene, (1,3-dimethyl-2-butenyl)-	160	C12H16	050704-01-3	30
3		Benzene, 1-(1,1-dimethylethyl)-4...	160	C12H16	001746-23-2	27
4		3-Pyridinecarbonitrile, 1,4-dihy...	120	C7H8N2	019424-15-8	22
5		Benzene, 4-(chloromethyl)-1,2-di...	154	C9H11Cl	000102-46-5	14



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012615\
Data File : BF077064.D
Acq On : 26 Jan 2015 21:32
Operator : TP/IZ
Sample : G1138-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
275B3

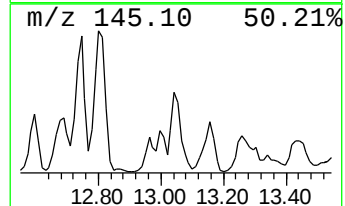
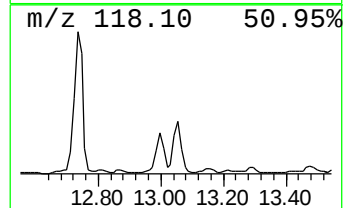
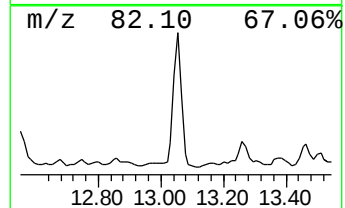
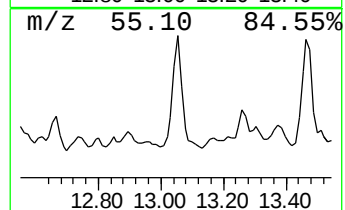
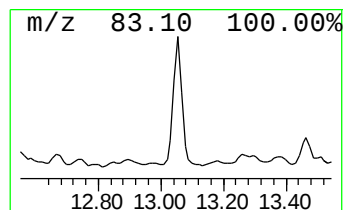
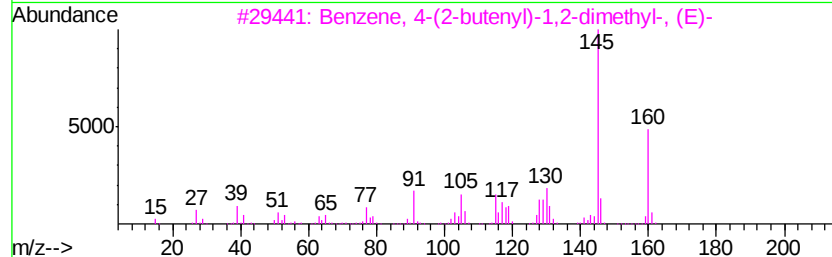
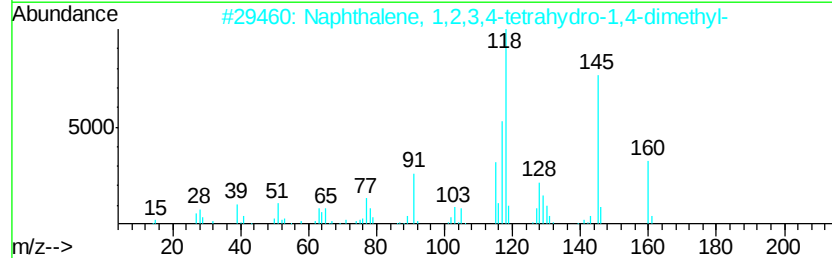
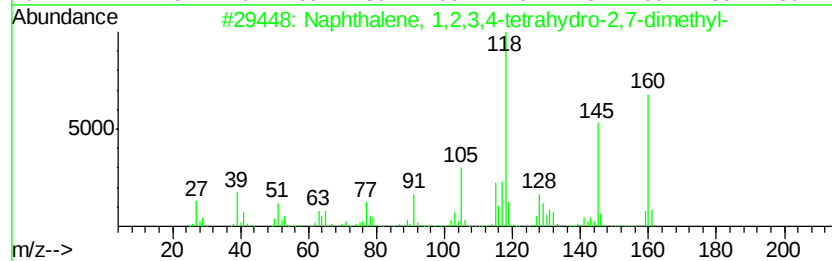
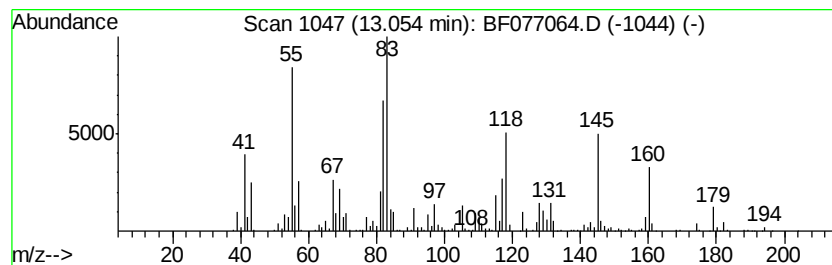
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 unknown13.05 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.05	33.56 ng	2297890	Acenaphthene-d10	14.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	013065-07-1	46
2		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	43
3		Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	42
4		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	020027-77-4	38
5		Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	35



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012615\
Data File : BF077064.D
Acq On : 26 Jan 2015 21:32
Operator : TP/IZ
Sample : G1138-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
275B3

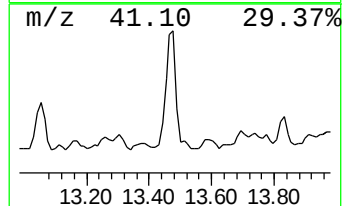
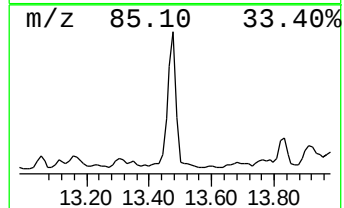
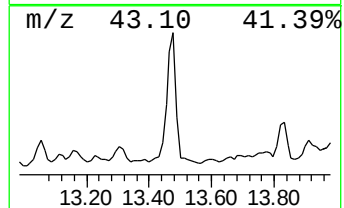
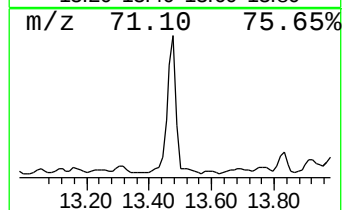
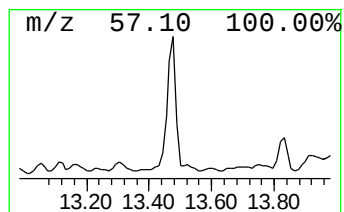
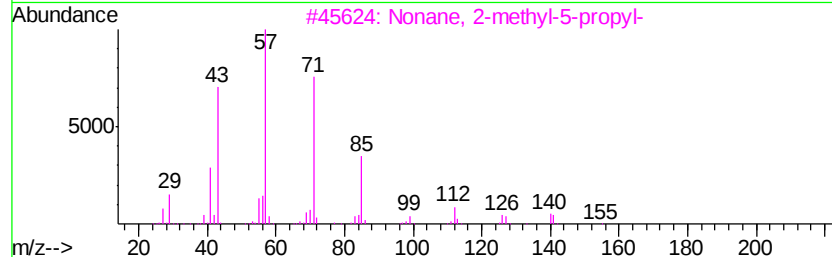
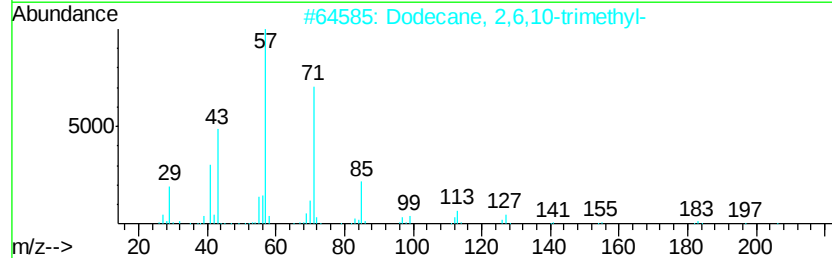
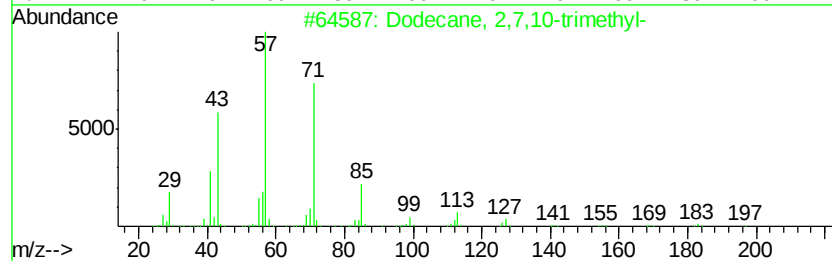
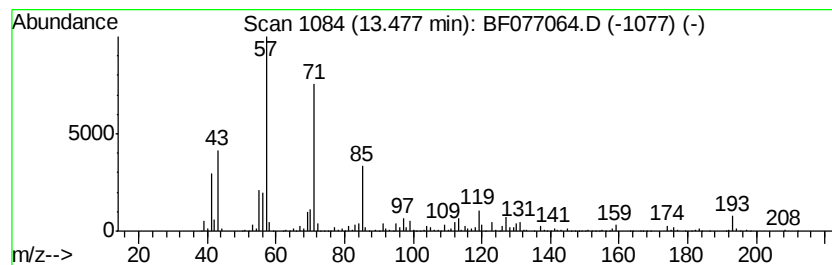
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Dodecane, 2,7,10-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.48	68.94 ng	4720800	Acenaphthene-d10	14.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	83
2		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	80
3		Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	59
4		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	59
5		Heptacosane	380	C27H56	000593-49-7	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012615\
Data File : BF077064.D
Acq On : 26 Jan 2015 21:32
Operator : TP/IZ
Sample : G1138-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
275B3

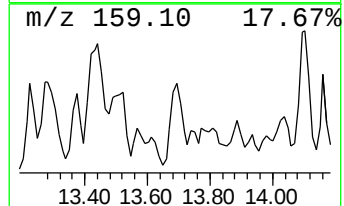
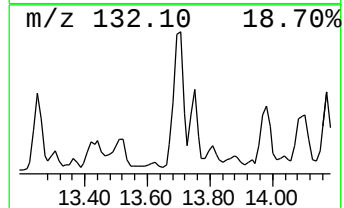
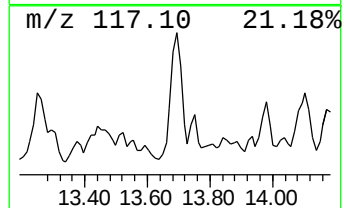
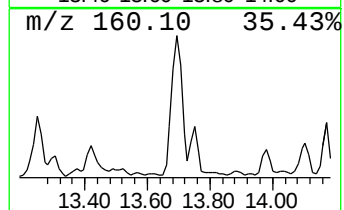
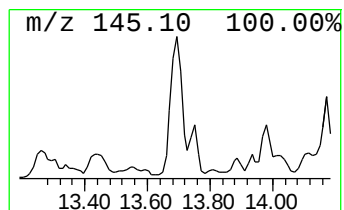
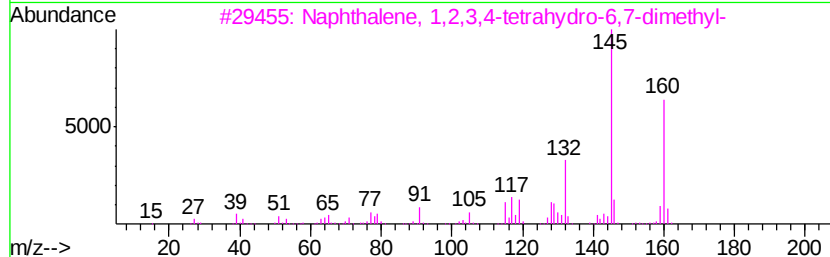
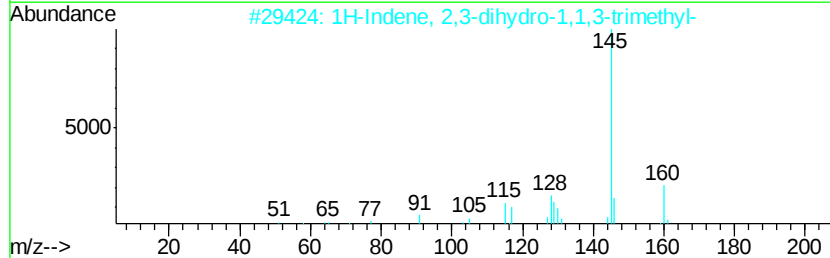
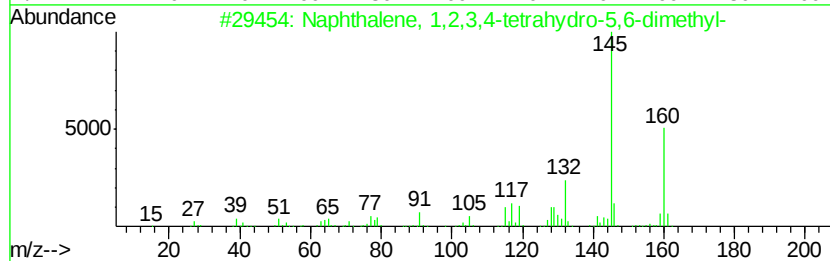
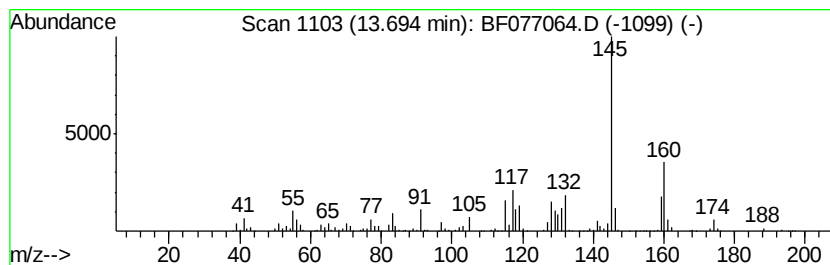
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Naphthalene, 1,2,3,4-tetra... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.69	29.74 ng	2036420	Acenaphthene-d10	14.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	020027-77-4	90
2		1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	89
3		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	87
4		Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	87
5		Benzene, 1-(1-methylethenyl)-3-(...	160	C12H16	001129-29-9	81



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012615\
Data File : BF077064.D
Acq On : 26 Jan 2015 21:32
Operator : TP/IZ
Sample : G1138-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

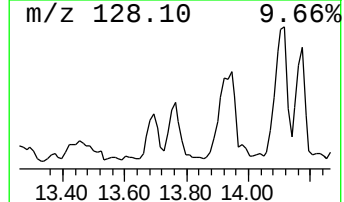
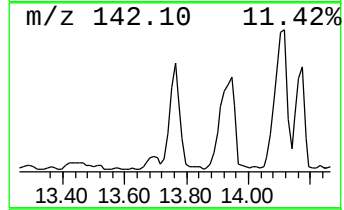
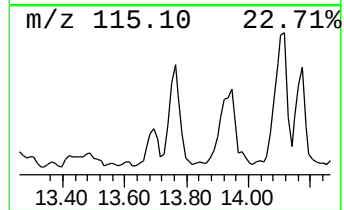
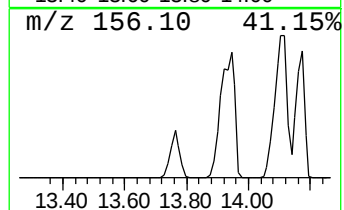
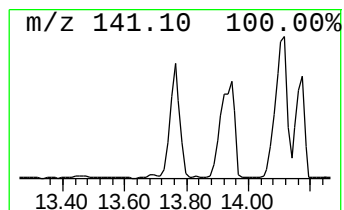
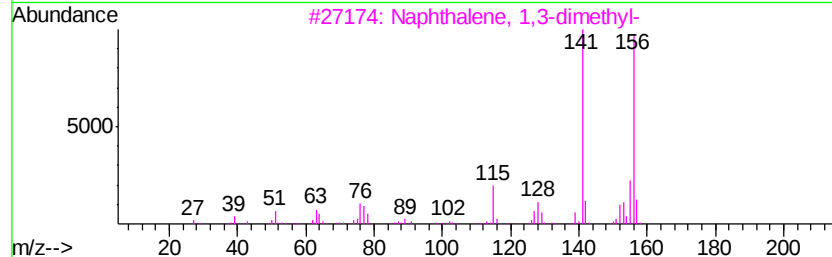
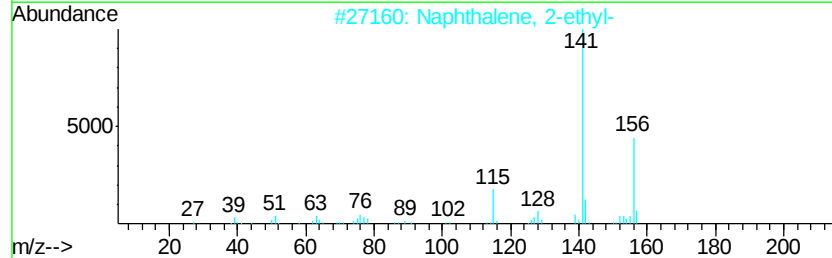
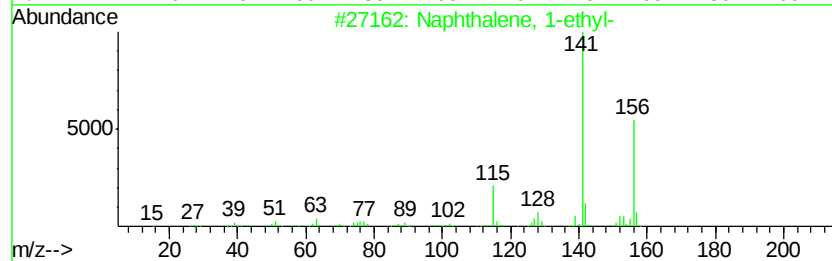
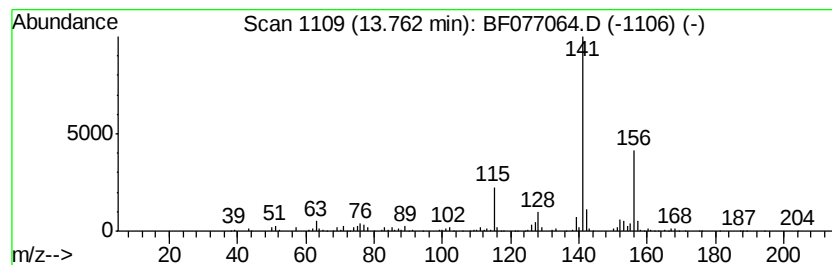
Instrument :
BNA_F
ClientSampleId :
275B3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Naphthalene, 1-ethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	41.03 ng	2809840	Acenaphthene-d10	14.84
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1-ethyl-	156 C12H12	001127-76-0 95
2		Naphthalene, 2-ethyl-	156 C12H12	000939-27-5 94
3		Naphthalene, 1,3-dimethyl-	156 C12H12	000575-41-7 78
4		2-Thiophenecarboxylic acid, 5-et...	156 C7H8O2S	023229-72-3 59
5		Naphthalene, 2,3-dimethyl-	156 C12H12	000581-40-8 43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012615\
Data File : BF077064.D
Acq On : 26 Jan 2015 21:32
Operator : TP/IZ
Sample : G1138-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

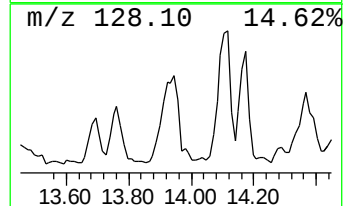
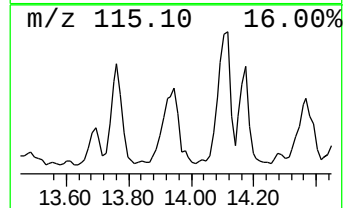
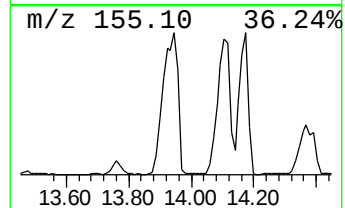
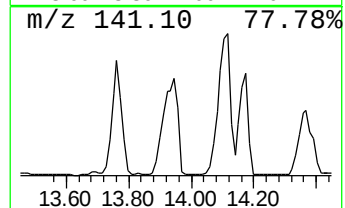
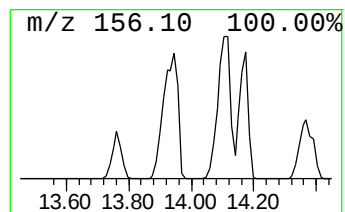
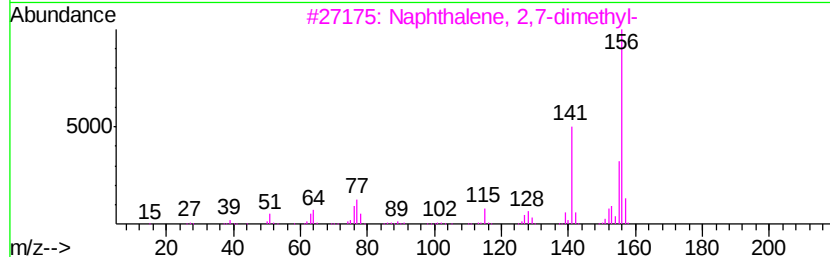
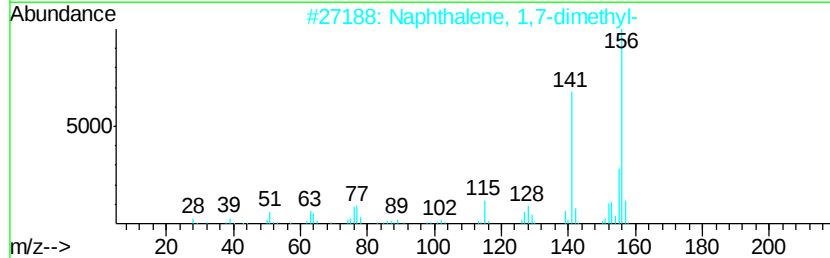
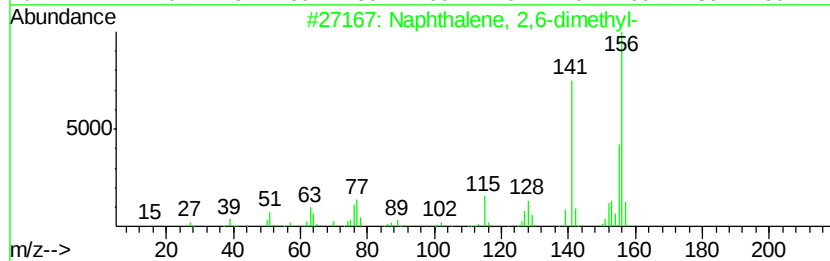
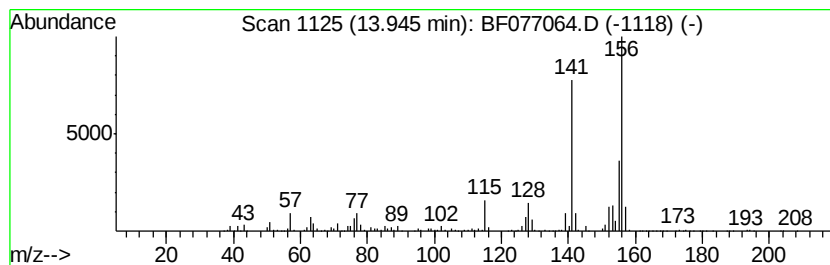
Instrument :
BNA_F
ClientSampleId :
275B3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Naphthalene, 2,6-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	80.39 ng	5505330	Acenaphthene-d10	14.84
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 2,6-dimethyl-	156 C12H12	000581-42-0 97
2		Naphthalene, 1,7-dimethyl-	156 C12H12	000575-37-1 97
3		Naphthalene, 2,7-dimethyl-	156 C12H12	000582-16-1 97
4		Naphthalene, 1,6-dimethyl-	156 C12H12	000575-43-9 97
5		Naphthalene, 1,5-dimethyl-	156 C12H12	000571-61-9 97



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012615\
Data File : BF077064.D
Acq On : 26 Jan 2015 21:32
Operator : TP/IZ
Sample : G1138-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
275B3

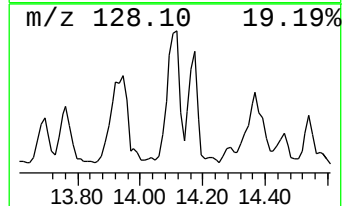
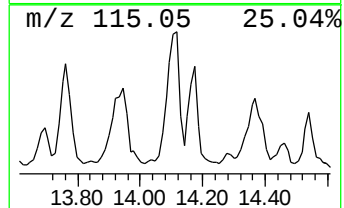
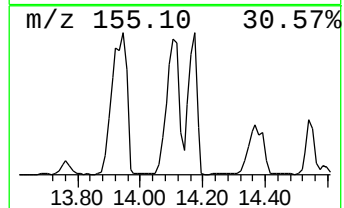
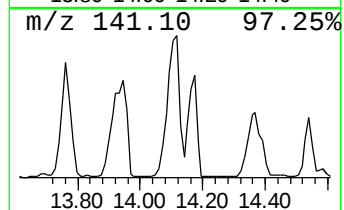
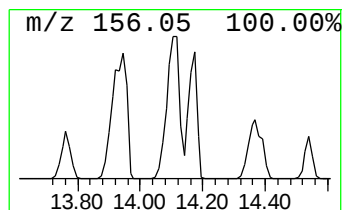
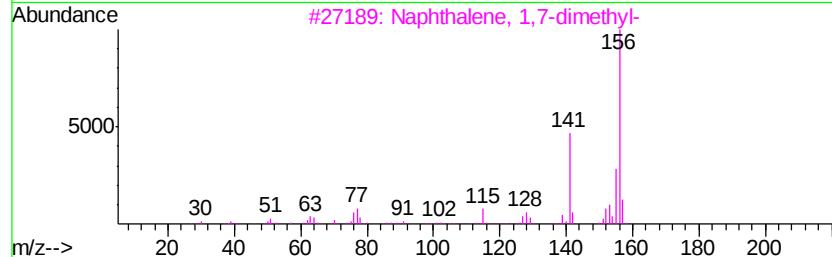
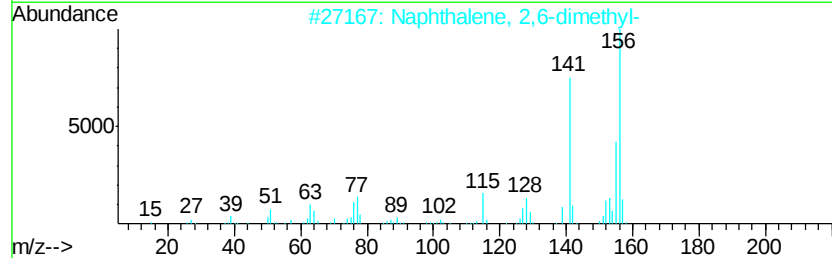
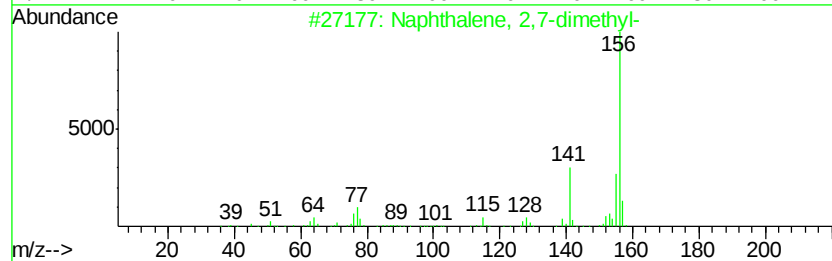
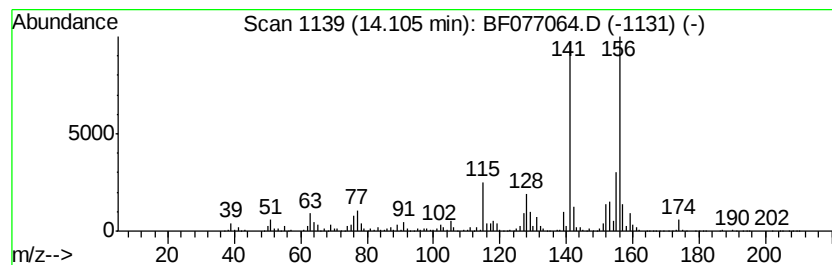
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Naphthalene, 2,7-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.11	102.85 ng	7043460	Acenaphthene-d10	14.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
3		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
4		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95
5		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012615\
Data File : BF077064.D
Acq On : 26 Jan 2015 21:32
Operator : TP/IZ
Sample : G1138-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
275B3

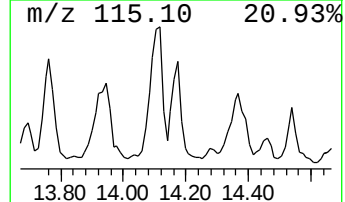
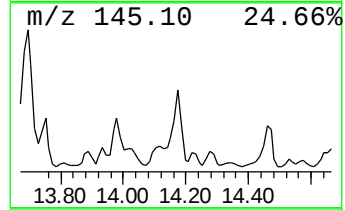
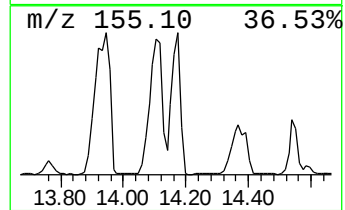
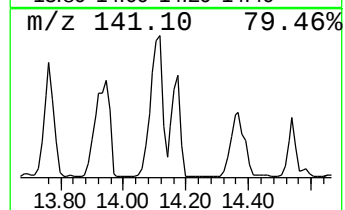
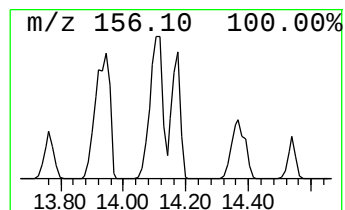
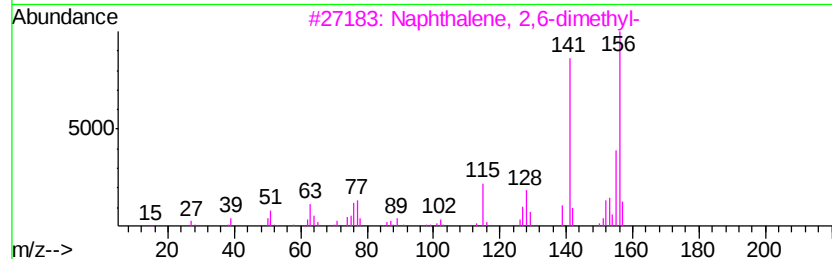
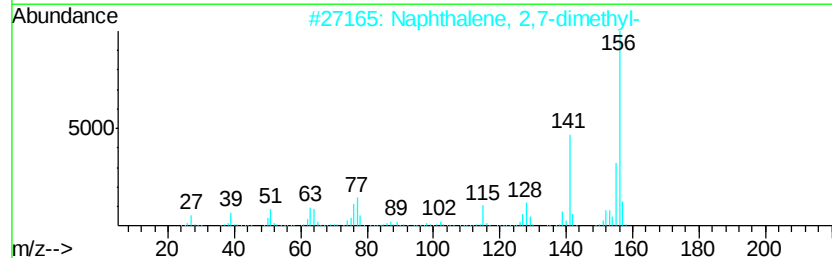
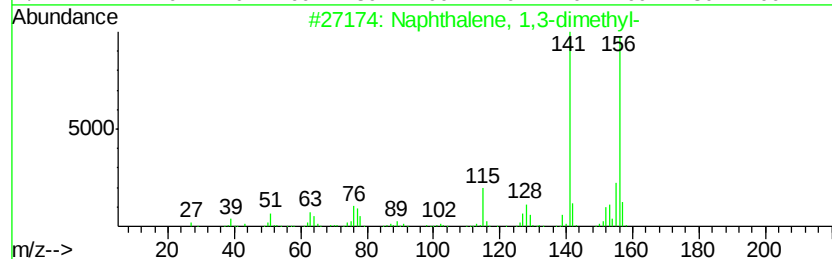
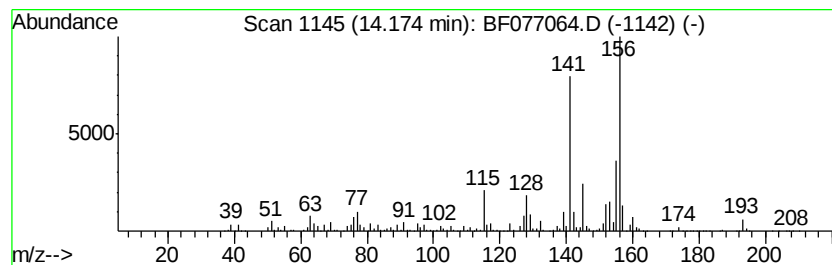
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Naphthalene, 1,3-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.17	66.29 ng	4539540	Acenaphthene-d10	14.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
2		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
3		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
4		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
5		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012615\
Data File : BF077064.D
Acq On : 26 Jan 2015 21:32
Operator : TP/IZ
Sample : G1138-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
275B3

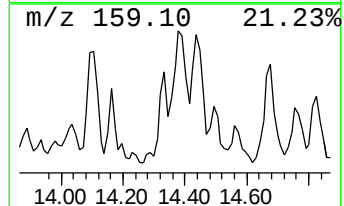
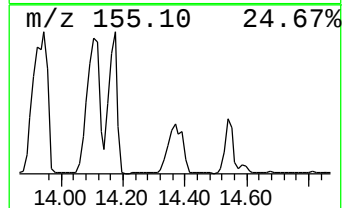
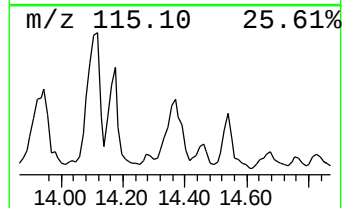
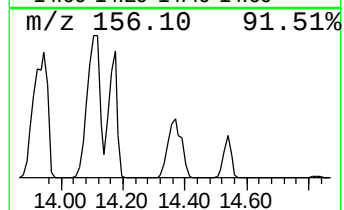
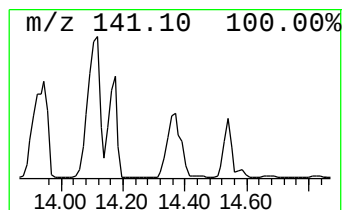
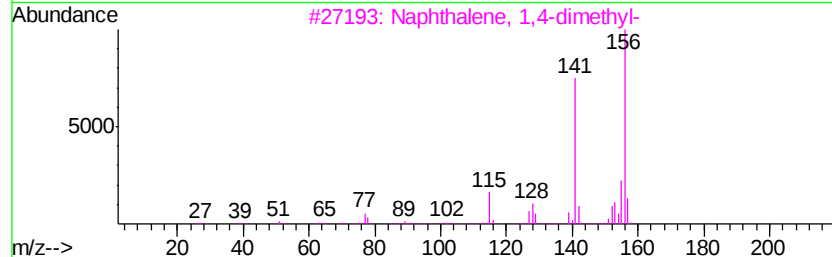
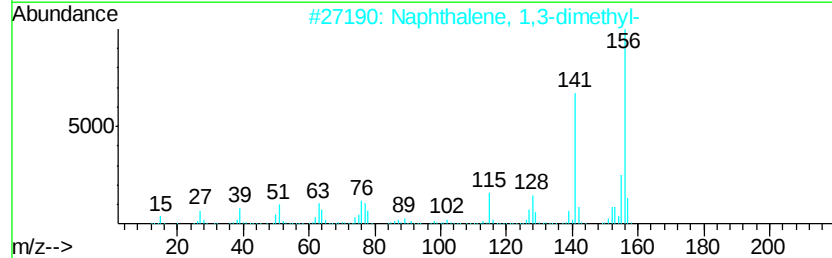
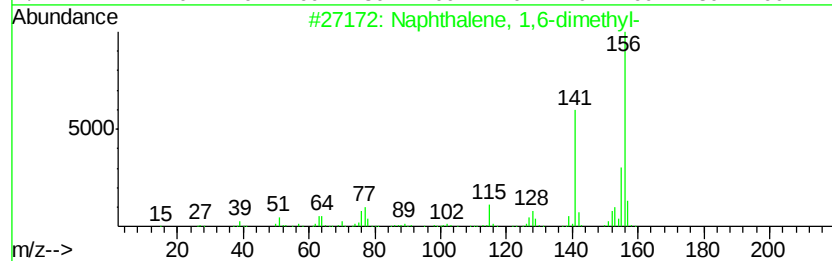
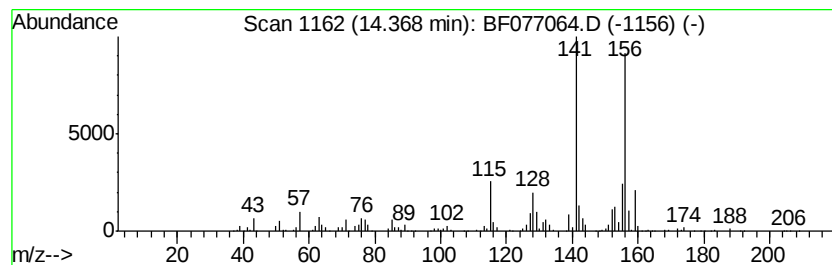
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Naphthalene, 1,6-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.37	45.81 ng	3137070	Acenaphthene-d10	14.84

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



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012615\
Data File : BF077064.D
Acq On : 26 Jan 2015 21:32
Operator : TP/IZ
Sample : G1138-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
275B3

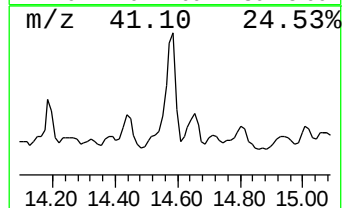
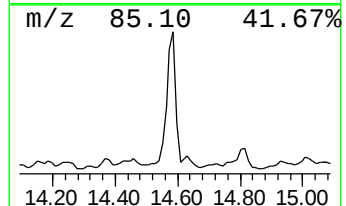
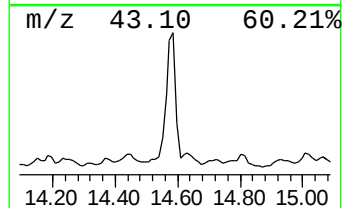
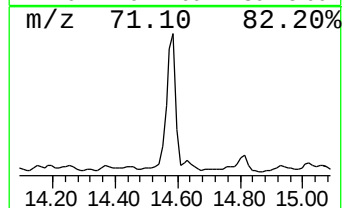
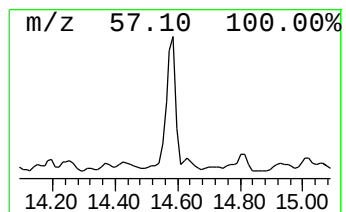
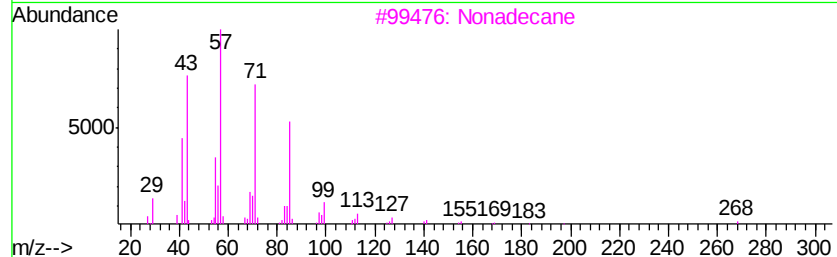
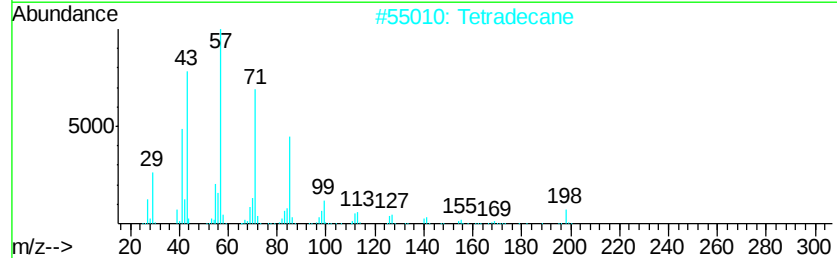
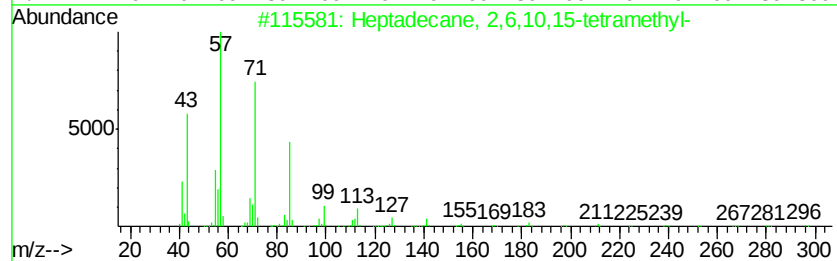
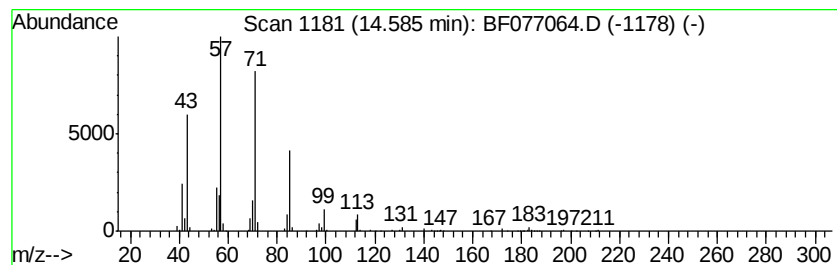
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Heptadecane, 2,6,10,15-tetr... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.59	47.96 ng	3284650	Acenaphthene-d10	14.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	90
2		Tetradecane	198	C14H30	000629-59-4	83
3		Nonadecane	268	C19H40	000629-92-5	83
4		Tetratriacontane	479	C34H70	014167-59-0	78
5		Undecane, 5-methyl-	170	C12H26	001632-70-8	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012615\
Data File : BF077064.D
Acq On : 26 Jan 2015 21:32
Operator : TP/IZ
Sample : G1138-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
275B3

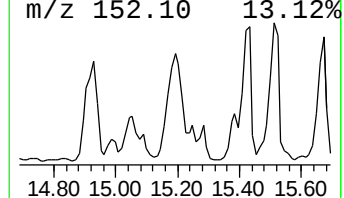
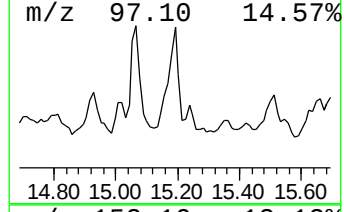
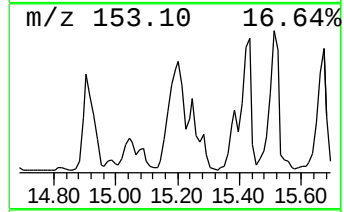
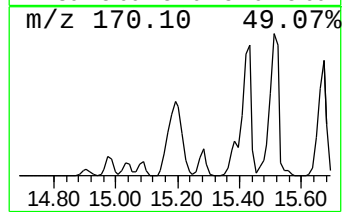
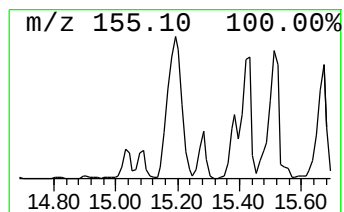
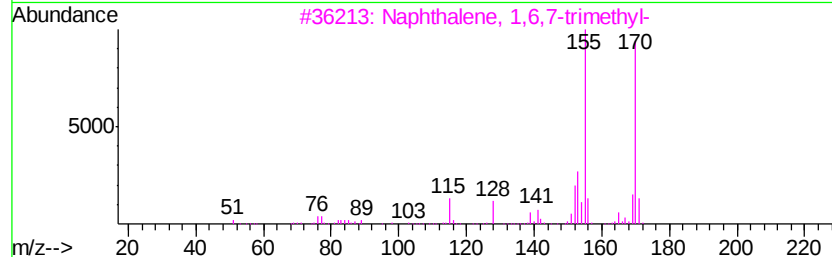
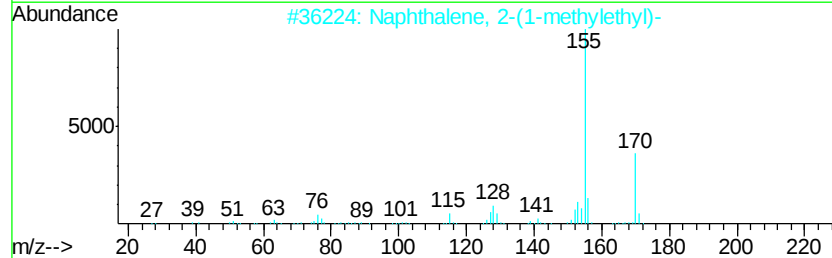
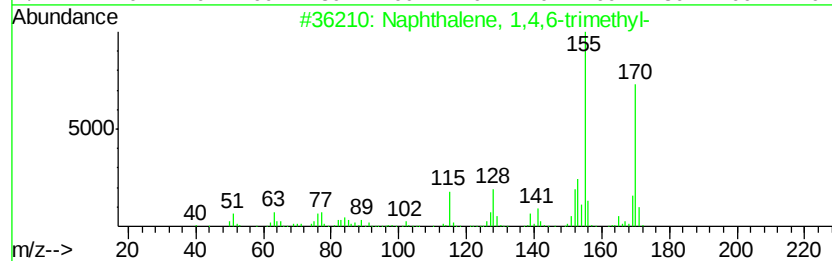
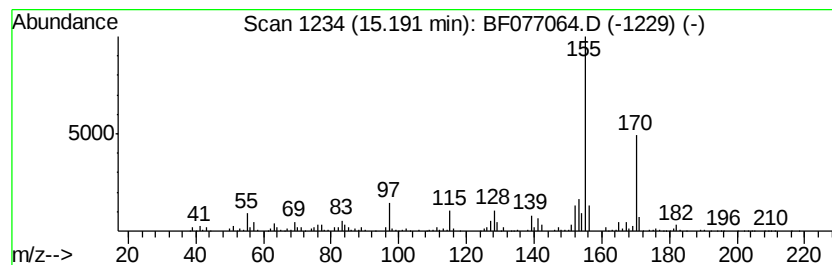
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 Naphthalene, 1,4,6-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	54.39 ng	3724460	Acenaphthene-d10	14.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	92
2		Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	90
3		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	86
4		Naphthalene, 1-(1-methylethyl)-	170	C13H14	006158-45-8	70
5		2-Naphthyl methyl ketone	170	C12H10O	000093-08-3	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012615\
Data File : BF077064.D
Acq On : 26 Jan 2015 21:32
Operator : TP/IZ
Sample : G1138-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
275B3

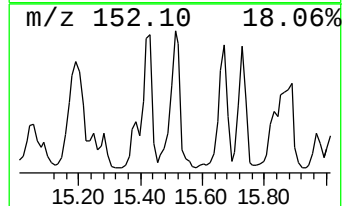
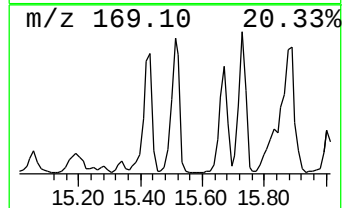
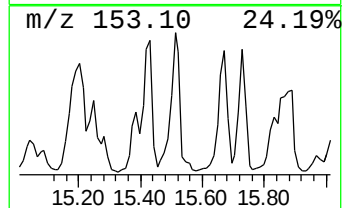
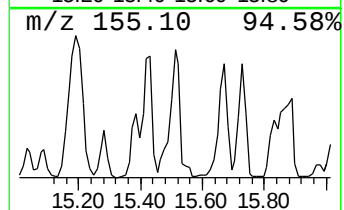
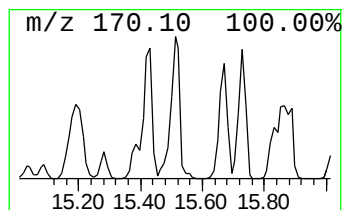
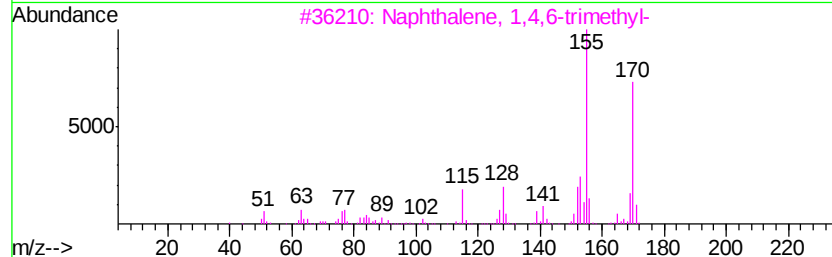
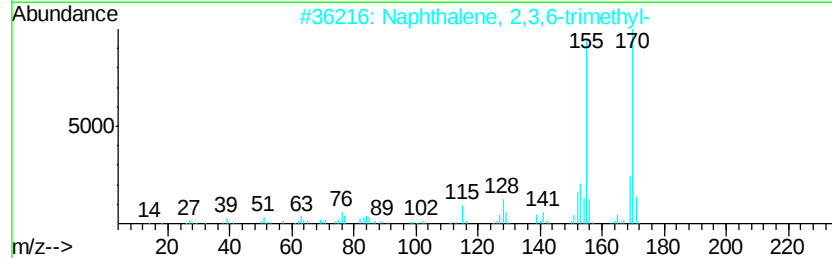
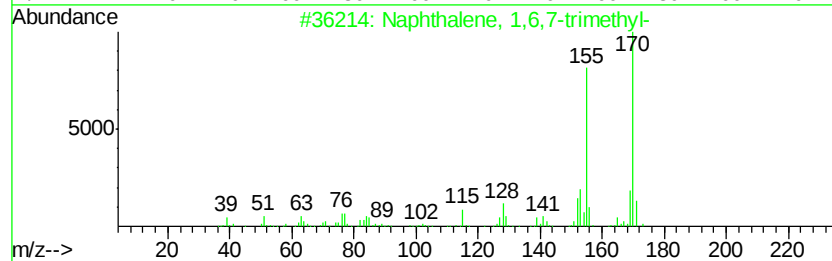
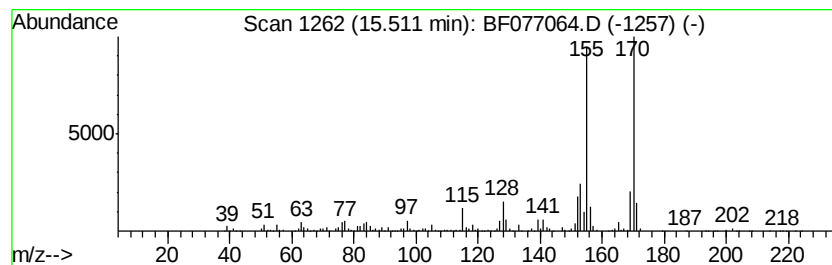
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Naphthalene, 1,6,7-trimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.51	37.73 ng	2583760	Acenaphthene-d10	14.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
2		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
3		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
4		Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	93
5		Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012615\
Data File : BF077064.D
Acq On : 26 Jan 2015 21:32
Operator : TP/IZ
Sample : G1138-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
275B3

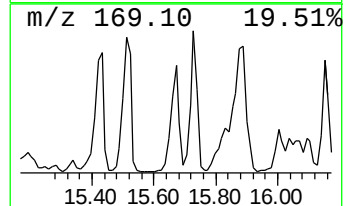
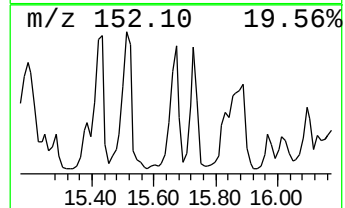
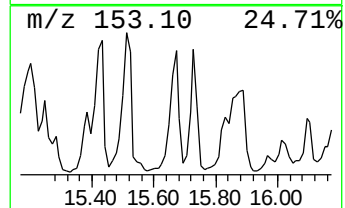
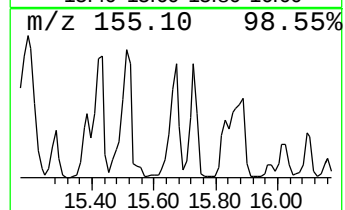
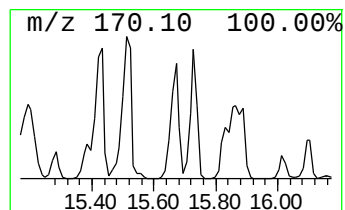
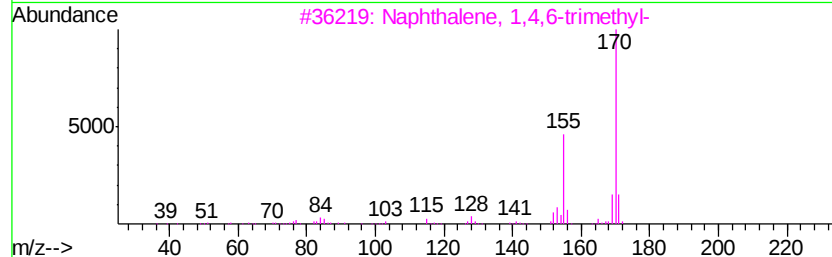
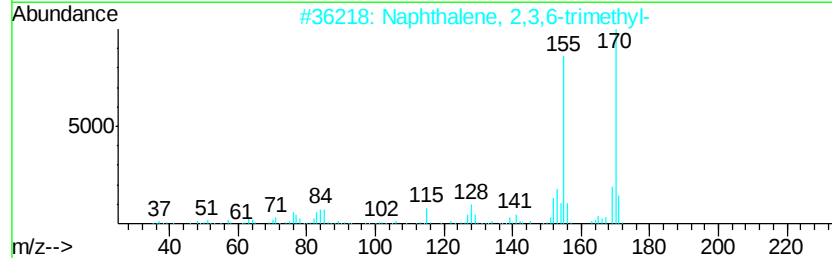
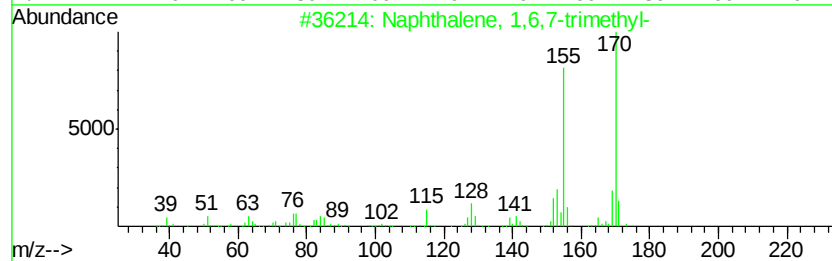
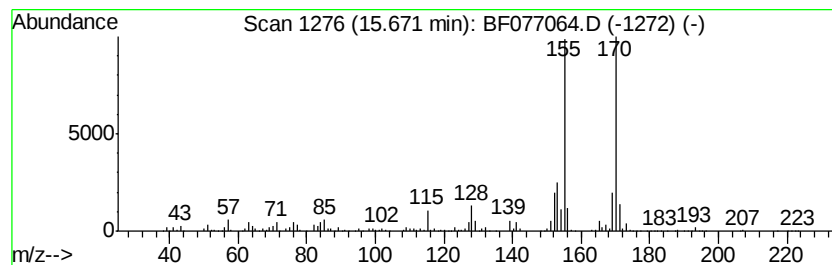
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 Naphthalene, 1,4,5-trimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.67	34.10 ng	2335340	Acenaphthene-d10	14.84

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	98
2		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
3		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94
4		Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	93
5		Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	86



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012615\
Data File : BF077064.D
Acq On : 26 Jan 2015 21:32
Operator : TP/IZ
Sample : G1138-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

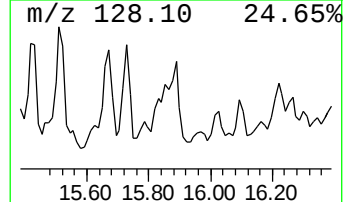
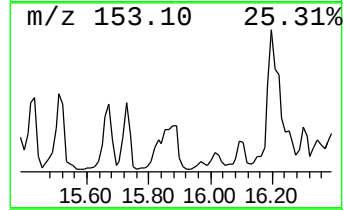
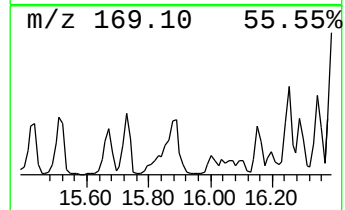
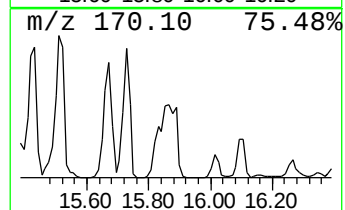
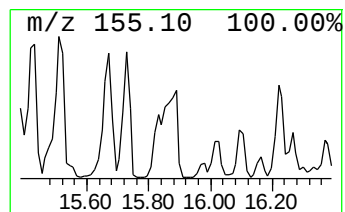
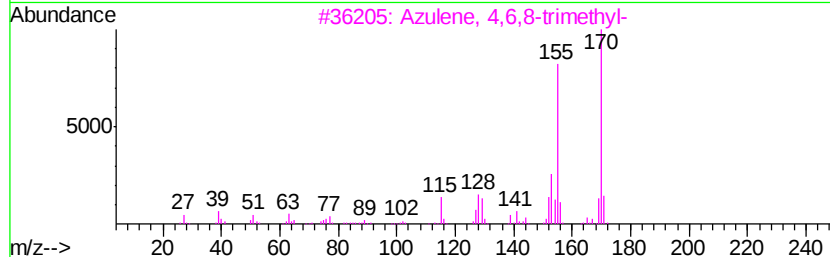
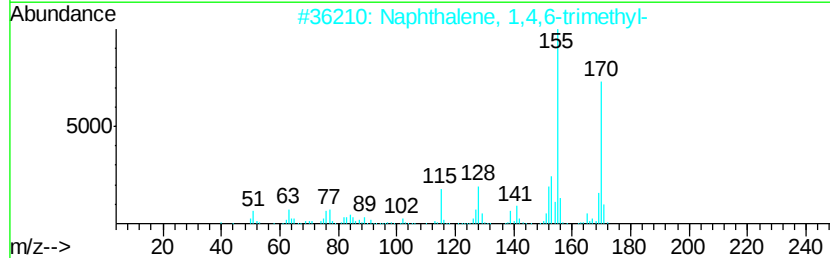
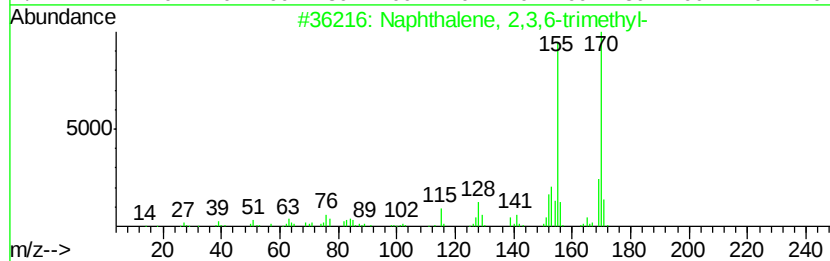
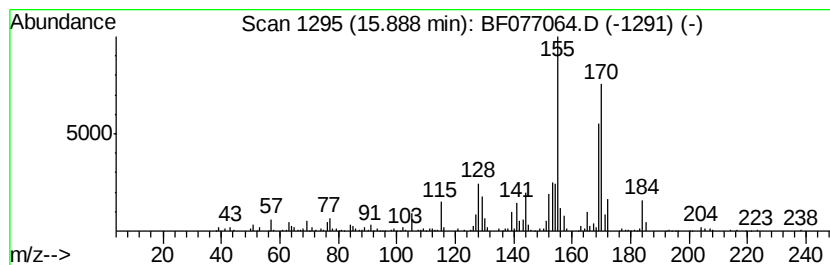
Instrument :
BNA_F
ClientSampleId :
275B3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 Azulene, 4,6,8-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.89	31.68 ng	2169350	Acenaphthene-d10	14.84	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94
3	Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	93
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	86
5	1-(2,2-Dimethylcyclopropyl)-2-ph...	170	C13H14	1000294-91-1	70



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012615\
Data File : BF077064.D
Acq On : 26 Jan 2015 21:32
Operator : TP/IZ
Sample : G1138-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
275B3

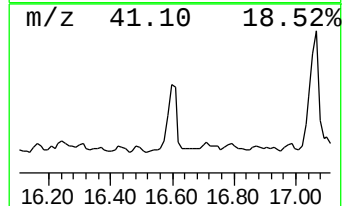
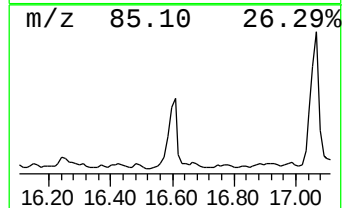
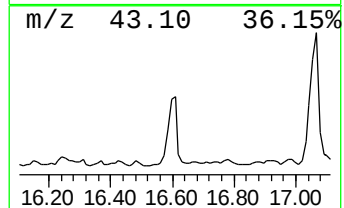
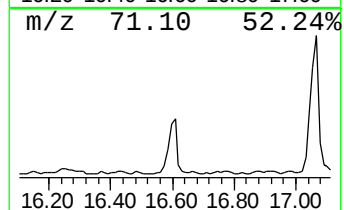
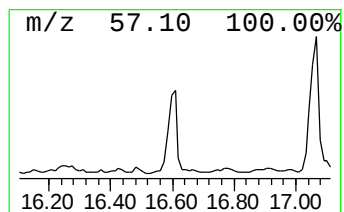
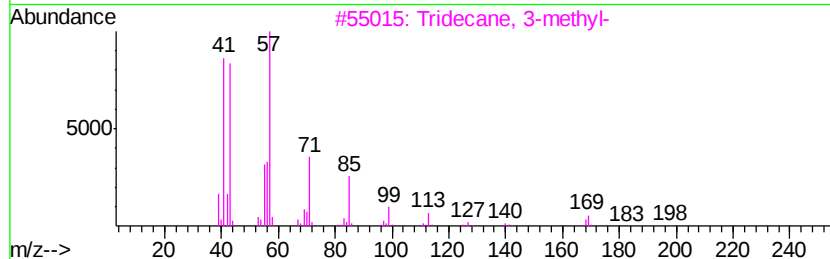
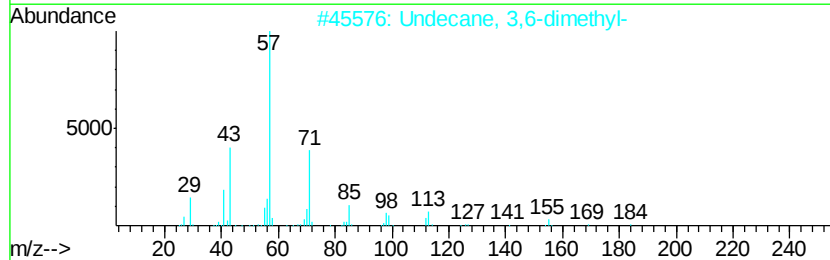
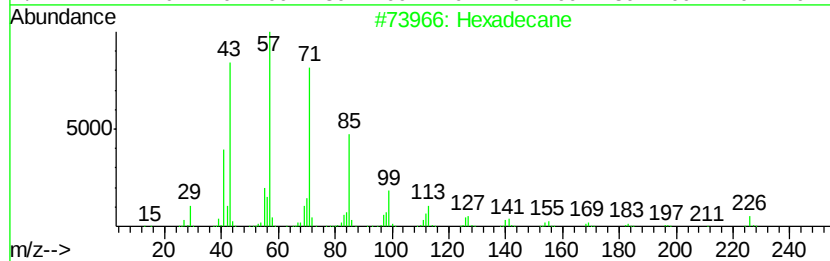
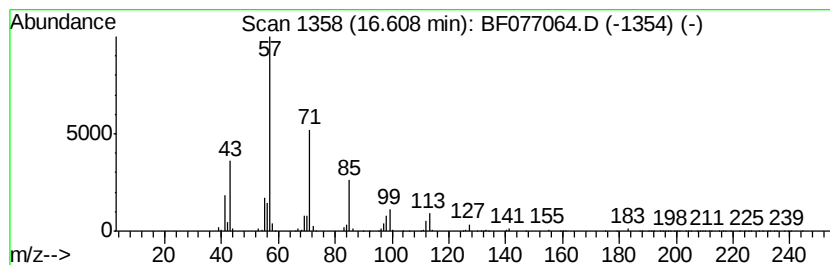
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 Hexadecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.61	56.72 ng	3854850	Phenanthrene-d10	17.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane	226	C16H34	000544-76-3	86
2		Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	72
3		Tridecane, 3-methyl-	198	C14H30	006418-41-3	72
4		3,5-Dimethyldodecane	198	C14H30	107770-99-0	68
5		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012615\
Data File : BF077064.D
Acq On : 26 Jan 2015 21:32
Operator : TP/IZ
Sample : G1138-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
275B3

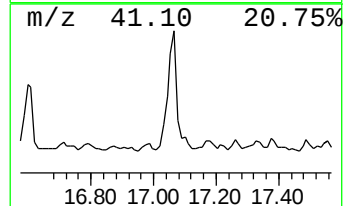
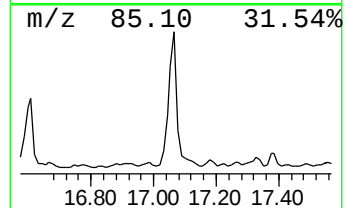
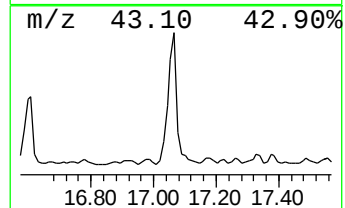
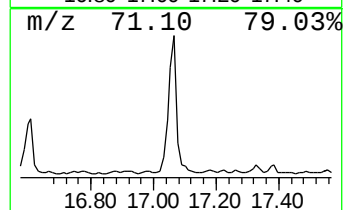
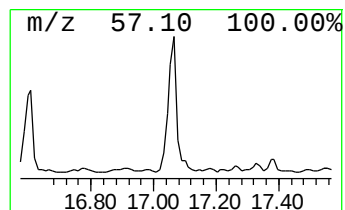
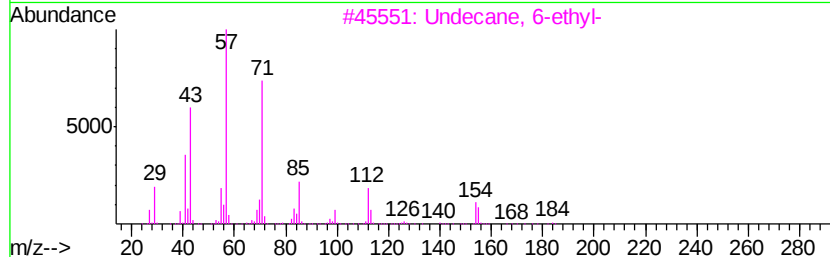
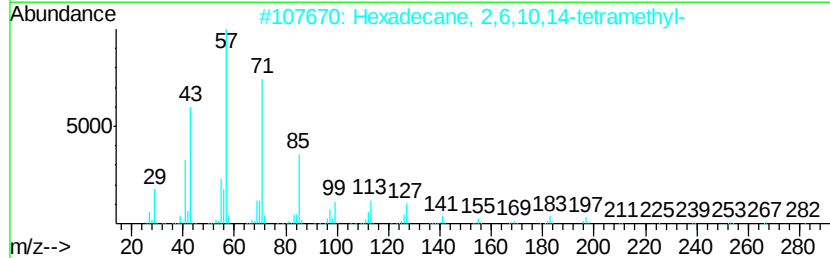
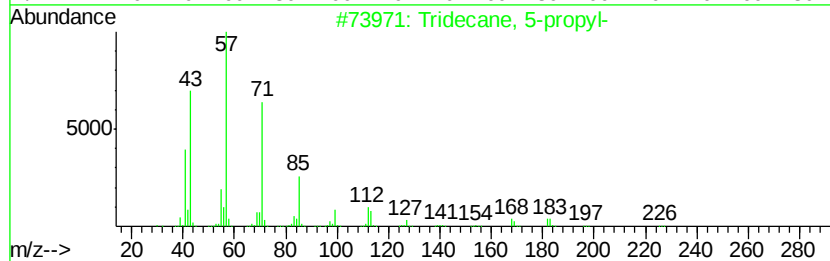
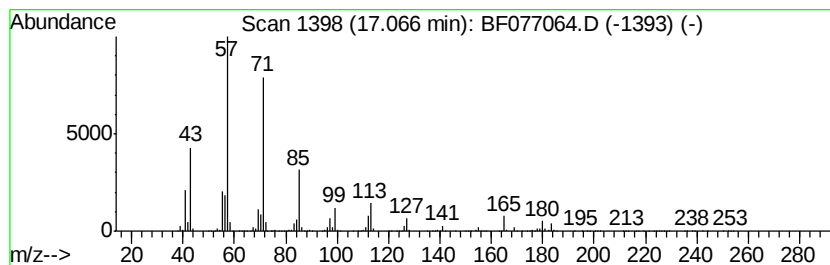
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 Tridecane, 5-propyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.07	117.11 ng	7958220	Phenanthrene-d10	17.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane, 5-propyl-	226	C16H34	055045-11-9	90
2		Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	86
3		Undecane, 6-ethyl-	184	C13H28	017312-60-6	83
4		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	80
5		Hexadecane, 2,6,10-trimethyl-	268	C19H40	055000-52-7	78



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012615\
Data File : BF077064.D
Acq On : 26 Jan 2015 21:32
Operator : TP/IZ
Sample : G1138-05
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
275B3

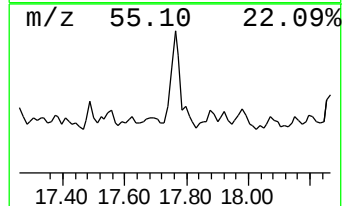
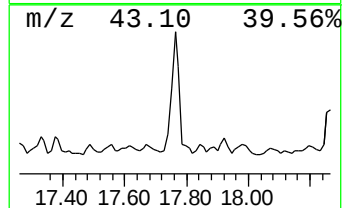
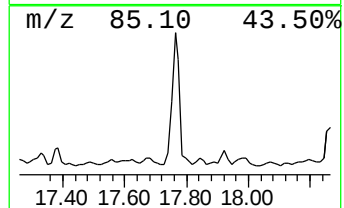
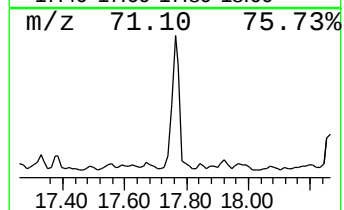
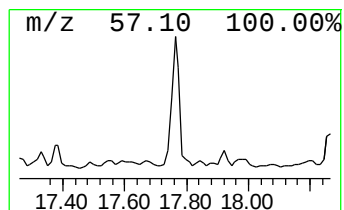
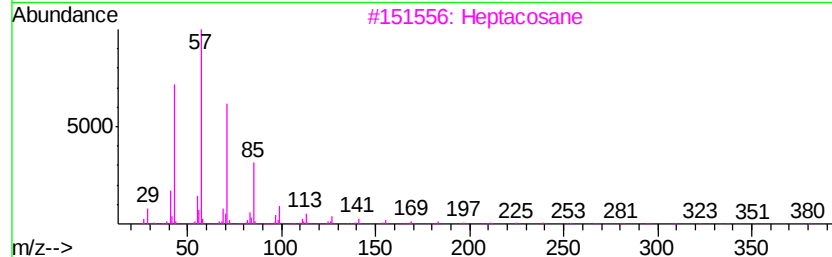
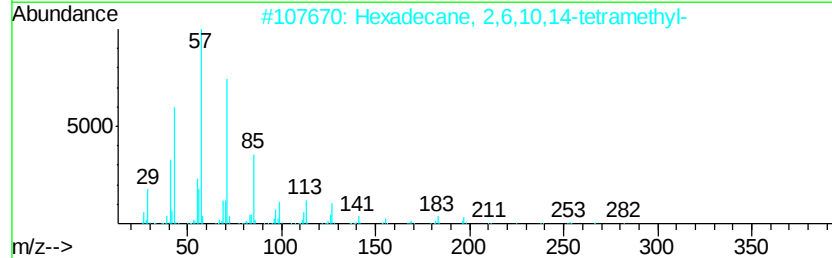
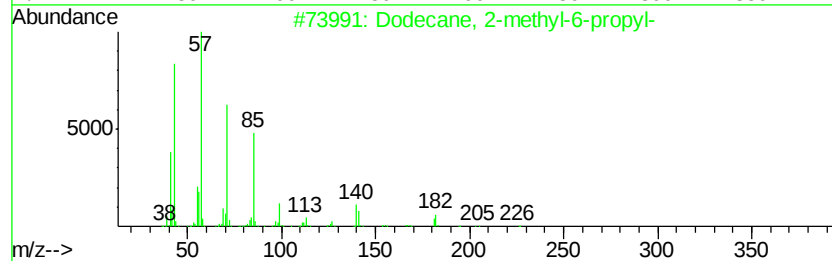
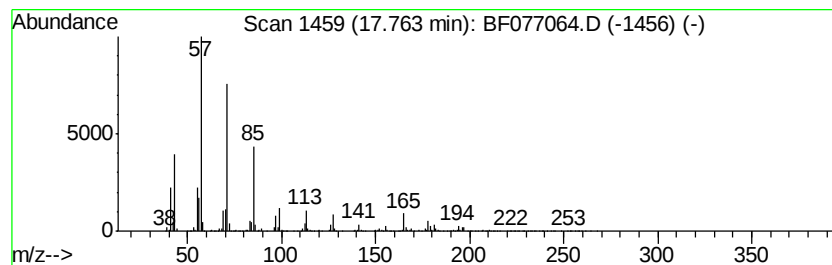
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 Dodecane, 2-methyl-6-propyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.76	64.82 ng	4405120	Phenanthrene-d10	17.66

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	87
2		Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	80
3		Heptacosane	380	C27H56	000593-49-7	80
4		Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	80
5		Tetracosane	338	C24H50	000646-31-1	80



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012615\
 Data File : BF077064.D
 Acq On : 26 Jan 2015 21:32
 Operator : TP/IZ
 Sample : G1138-05
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 275B3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Benzene, 1,2,3-tr...	7.41	41.6	ng	2130310	1	7.77	1024730	20.0
Naphthalene, 1,2,...	11.96	33.2	ng	2677610	2	10.69	1611190	20.0
unknown12.09	12.09	31.9	ng	2565640	2	10.69	1611190	20.0
unknown13.05	13.05	33.6	ng	2297890	3	14.84	1369620	20.0
Dodecane, 2,7,10-...	13.48	68.9	ng	4720800	3	14.84	1369620	20.0
Naphthalene, 1,2,...	13.69	29.7	ng	2036420	3	14.84	1369620	20.0
Naphthalene, 1-et...	13.76	41.0	ng	2809840	3	14.84	1369620	20.0
Naphthalene, 2,6-...	13.95	80.4	ng	5505330	3	14.84	1369620	20.0
Naphthalene, 2,7-...	14.11	102.8	ng	7043460	3	14.84	1369620	20.0
Naphthalene, 1,3-...	14.17	66.3	ng	4539540	3	14.84	1369620	20.0
Naphthalene, 1,6-...	14.37	45.8	ng	3137070	3	14.84	1369620	20.0
Heptadecane, 2,6,...	14.59	48.0	ng	3284650	3	14.84	1369620	20.0
Naphthalene, 1,4,...	15.19	54.4	ng	3724460	3	14.84	1369620	20.0
Naphthalene, 1,6,...	15.51	37.7	ng	2583760	3	14.84	1369620	20.0
Naphthalene, 1,4,...	15.67	34.1	ng	2335340	3	14.84	1369620	20.0
Azulene, 4,6,8-tr...	15.89	31.7	ng	2169350	3	14.84	1369620	20.0
Hexadecane	16.61	56.7	ng	3854850	4	17.66	1359140	20.0
Tridecane, 5-propyl-	17.07	117.1	ng	7958220	4	17.66	1359140	20.0
Dodecane, 2-methy...	17.76	64.8	ng	4405120	4	17.66	1359140	20.0