

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102117\
 Data File : BF099737.D
 Acq On : 21 Oct 2017 19:35
 Operator : SJ/JU
 Sample : I6036-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-3

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-BF092317.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	5.028	498	500	507	rVB	123708	123552	5.85%	0.255%
2	5.439	567	570	577	rBV	582678	585263	27.69%	1.207%
3	6.051	668	674	680	rBV3	57578	101910	4.82%	0.210%
4	6.239	701	706	709	rBV2	48488	60165	2.85%	0.124%
5	6.334	719	722	729	rBV3	83439	119610	5.66%	0.247%
6	6.457	740	743	749	rBV	393751	452592	21.41%	0.933%
7	6.545	754	758	762	rVV4	49432	84534	4.00%	0.174%
8	6.586	762	765	770	rVB	1348315	1185698	56.10%	2.445%
9	6.816	801	804	809	rVB	696269	589567	27.89%	1.216%
10	6.969	824	830	838	rVB	1728885	1853521	87.69%	3.823%
11	7.057	843	845	846	rBV	130612	96020	4.54%	0.198%
12	7.075	846	848	852	rVB	154168	154645	7.32%	0.319%
13	7.151	859	861	863	rVB2	93581	71817	3.40%	0.148%
14	7.198	863	869	872	rBV2	137913	155789	7.37%	0.321%
15	7.228	872	874	880	rVB5	73485	100278	4.74%	0.207%
16	7.281	880	883	886	rBV3	54100	60118	2.84%	0.124%
17	7.345	886	894	897	rBV2	316314	445963	21.10%	0.920%
18	7.386	897	901	904	rBV	1366138	1358835	64.29%	2.802%
19	7.451	907	912	915	rBV5	278981	362800	17.16%	0.748%
20	7.498	915	920	926	rBV4	151932	361852	17.12%	0.746%
21	7.557	927	930	932	rBV4	77235	70842	3.35%	0.146%
22	7.581	932	934	937	rVB2	446316	352687	16.69%	0.727%
23	7.616	937	940	942	rBV2	196921	175352	8.30%	0.362%
24	7.692	949	953	954	rBV2	146235	169203	8.01%	0.349%
25	7.728	957	959	963	rVV3	302379	373027	17.65%	0.769%
26	7.763	963	965	969	rVB3	148420	178421	8.44%	0.368%
27	7.833	974	977	986	rBV6	273973	444287	21.02%	0.916%
28	7.910	986	990	992	rBV3	185137	234542	11.10%	0.484%
29	7.963	995	999	1002	rBV2	269342	273843	12.96%	0.565%
30	7.992	1002	1004	1006	rBV	171535	142617	6.75%	0.294%
31	8.051	1008	1014	1015	rBV6	153804	293092	13.87%	0.604%
32	8.098	1015	1022	1027	rVV3	855766	1498104	70.88%	3.090%
33	8.145	1027	1030	1033	rVB2	799130	887507	41.99%	1.830%
34	8.180	1033	1036	1043	rBV7	321006	467865	22.13%	0.965%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102117\
 Data File : BF099737.D
 Acq On : 21 Oct 2017 19:35
 Operator : SJ/JU
 Sample : I6036-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-3

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-BF092317.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	8.245	1043	1047	1048	rBV3	152866	160885	7.61%	0.332%
36	8.269	1048	1051	1052	rBV2	114669	95144	4.50%	0.196%
37	8.292	1052	1055	1057	rVB2	768658	630390	29.82%	1.300%
38	8.339	1060	1063	1065	rBV2	336722	269445	12.75%	0.556%
39	8.380	1065	1070	1074	rVB6	462833	667044	31.56%	1.376%
40	8.416	1074	1076	1078	rBV2	113048	126969	6.01%	0.262%
41	8.475	1083	1086	1088	rBV	407668	400562	18.95%	0.826%
42	8.510	1088	1092	1094	rBV	867076	744651	35.23%	1.536%
43	8.533	1094	1096	1097	rBV2	167177	118253	5.59%	0.244%
44	8.598	1104	1107	1109	rBV2	415009	358595	16.97%	0.740%
45	8.627	1109	1112	1115	rBV3	261728	343281	16.24%	0.708%
46	8.657	1115	1117	1119	rVB	265720	186208	8.81%	0.384%
47	8.680	1119	1121	1125	rBV3	230523	397868	18.82%	0.821%
48	8.722	1125	1128	1130	rVV3	176417	215928	10.22%	0.445%
49	8.839	1145	1148	1150	rBV4	252076	206094	9.75%	0.425%
50	8.869	1150	1153	1155	rBV4	214132	296133	14.01%	0.611%
51	8.916	1158	1161	1164	rVV2	1043968	1094598	51.79%	2.258%
52	8.939	1164	1165	1166	rVB	135908	56832	2.69%	0.117%
53	8.998	1172	1175	1178	rVB3	342825	318826	15.08%	0.658%
54	9.033	1179	1181	1184	rBV2	283047	293064	13.87%	0.604%
55	9.063	1184	1186	1187	rVV2	195093	133606	6.32%	0.276%
56	9.110	1191	1194	1197	rVV	1213131	1095945	51.85%	2.260%
57	9.133	1197	1198	1200	rVB	257382	130009	6.15%	0.268%
58	9.175	1201	1205	1209	rVB	2159897	2113696	100.00%	4.359%
59	9.204	1209	1210	1213	rVB2	150773	104092	4.92%	0.215%
60	9.251	1214	1218	1221	rBV3	501223	674969	31.93%	1.392%
61	9.286	1222	1224	1226	rBV2	268673	261626	12.38%	0.540%
62	9.322	1228	1230	1233	rVB	673988	522418	24.72%	1.077%
63	9.351	1233	1235	1236	rBV2	220191	186308	8.81%	0.384%
64	9.445	1246	1251	1253	rBV4	417191	632828	29.94%	1.305%
65	9.516	1259	1263	1266	rBV	747102	1015272	48.03%	2.094%
66	9.569	1268	1272	1275	rVB3	1323882	1613017	76.31%	3.327%
67	9.598	1275	1277	1279	rBV2	295270	265026	12.54%	0.547%
68	9.633	1280	1283	1284	rBV2	609077	471608	22.31%	0.973%
69	9.692	1291	1293	1294	rBV	174330	139587	6.60%	0.288%
70	9.716	1294	1297	1299	rVV2	796731	784313	37.11%	1.618%
71	9.757	1302	1304	1307	rVB2	502286	503895	23.84%	1.039%

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102117\
 Data File : BF099737.D
 Acq On : 21 Oct 2017 19:35
 Operator : SJ/JU
 Sample : I6036-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-3

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-BF092317.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	9.857	1319	1321	1323	rVB	622097	455386	21.54%	0.939%
73	9.886	1323	1326	1329	rBV4	220580	340480	16.11%	0.702%
74	9.957	1335	1338	1342	rBV3	476523	669174	31.66%	1.380%
75	10.033	1349	1351	1353	rBV2	289604	302411	14.31%	0.624%
76	10.057	1353	1355	1359	rVB2	717776	685348	32.42%	1.413%
77	10.098	1359	1362	1366	rBV2	933381	823838	38.98%	1.699%
78	10.174	1371	1375	1378	rBV2	881643	1236319	58.49%	2.550%
79	10.204	1378	1380	1381	rBV	304235	200809	9.50%	0.414%
80	10.257	1386	1389	1392	rBV3	567464	746260	35.31%	1.539%
81	10.474	1423	1426	1427	rBV	445316	405061	19.16%	0.835%
82	10.492	1427	1429	1432	rVV	886812	912760	43.18%	1.883%
83	10.545	1436	1438	1440	rBV3	234316	241009	11.40%	0.497%
84	10.651	1453	1456	1459	rBV3	689787	807204	38.19%	1.665%
85	10.680	1459	1461	1465	rVB4	316963	278510	13.18%	0.574%
86	10.763	1471	1475	1482	rVB2	1666769	1981575	93.75%	4.087%
87	10.839	1486	1488	1491	rVB	280838	275231	13.02%	0.568%
88	10.986	1510	1513	1515	rVB2	501216	443317	20.97%	0.914%
89	11.163	1540	1543	1546	rVB	615105	579452	27.41%	1.195%
90	11.227	1550	1554	1560	rVB2	1210094	1566288	74.10%	3.230%
91	11.345	1572	1574	1577	rVB	476212	430749	20.38%	0.888%
92	11.457	1591	1593	1596	rVB2	221932	183675	8.69%	0.379%
93	11.574	1610	1613	1616	rBV4	424684	421192	19.93%	0.869%
94	11.845	1657	1659	1662	rBV	210504	231143	10.94%	0.477%
95	12.398	1750	1753	1755	rBV	226044	202498	9.58%	0.418%
96	12.510	1770	1772	1777	rVB2	152900	172919	8.18%	0.357%
97	12.839	1826	1828	1831	rVB	127754	109935	5.20%	0.227%
98	12.921	1839	1842	1845	rBV	1502114	1354297	64.07%	2.793%
99	13.980	2019	2022	2026	rVB	436455	426861	20.20%	0.880%
100	15.445	2267	2271	2280	rVB	384452	487939	23.08%	1.006%

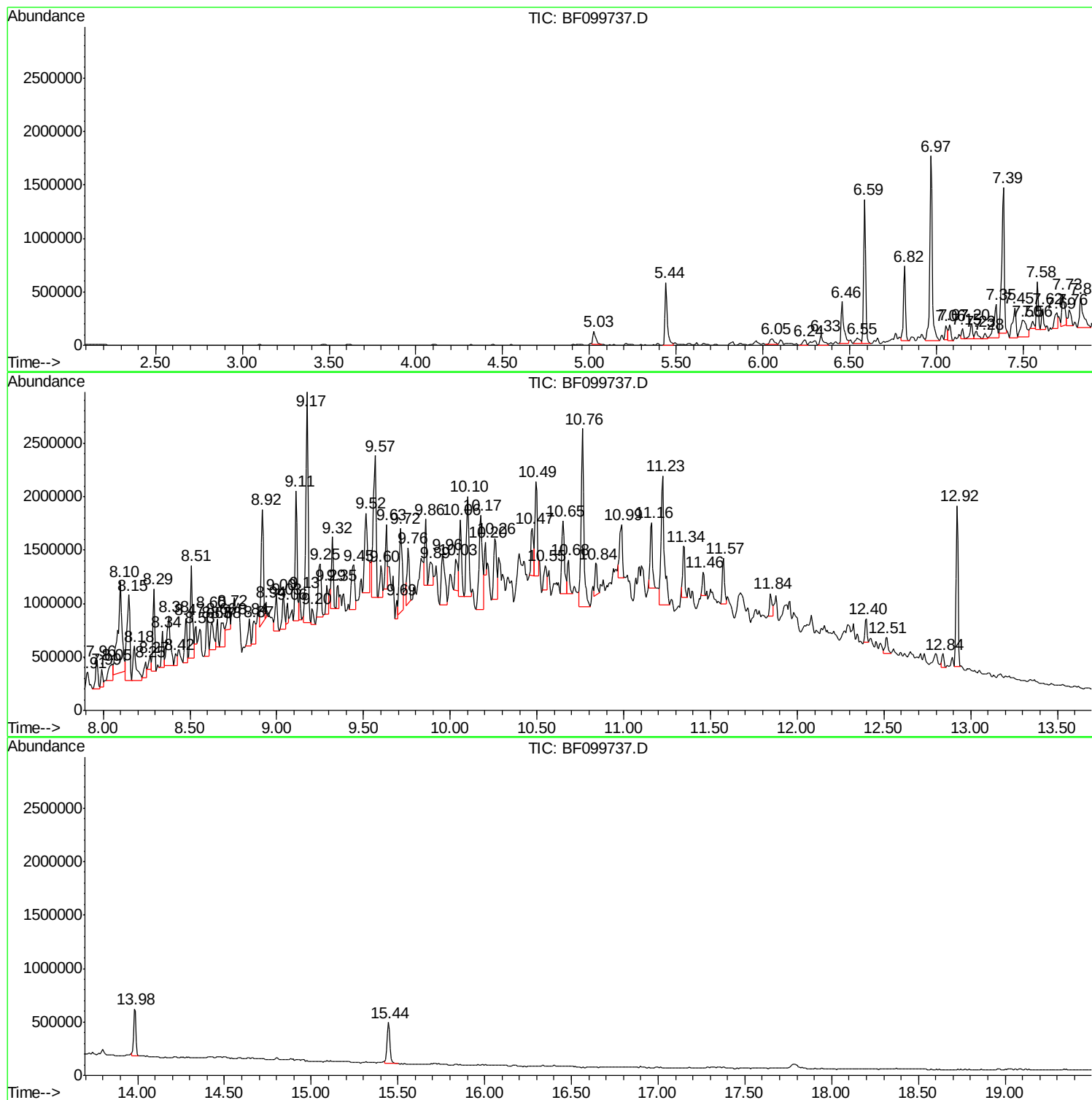
Sum of corrected areas: 48486543

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102117\
Data File : BF099737.D
Acq On : 21 Oct 2017 19:35
Operator : SJ/JU
Sample : I6036-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
MW-3

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102117\
Data File : BF099737.D
Acq On : 21 Oct 2017 19:35
Operator : SJ/JU
Sample : I6036-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-3

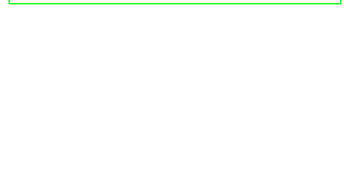
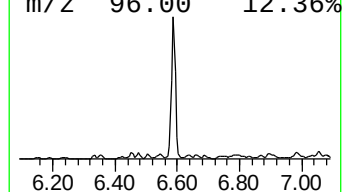
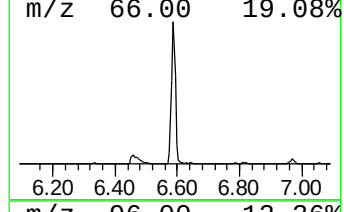
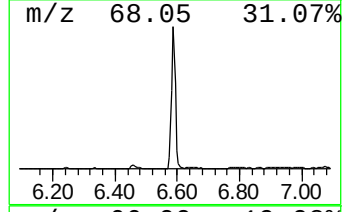
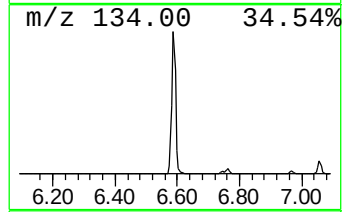
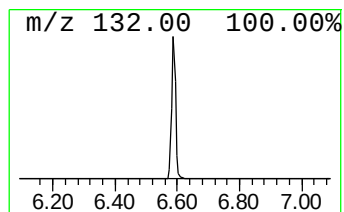
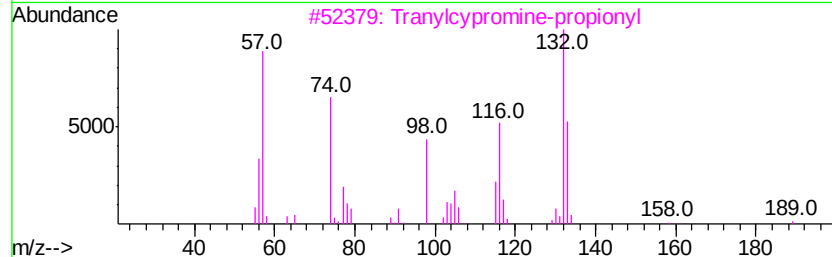
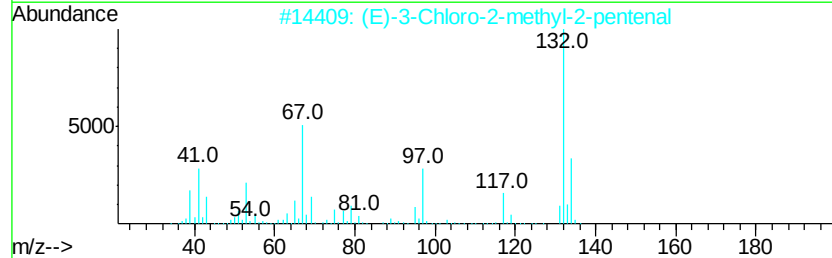
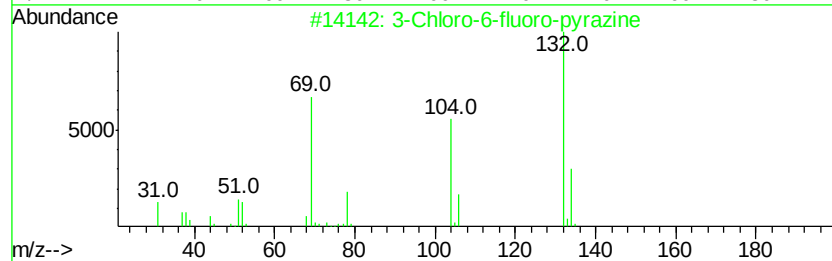
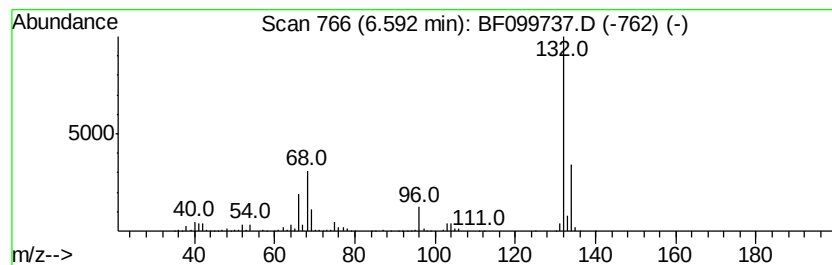
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.59 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.59	40.22 ng	1185700	1,4-Dichlorobenzene-d4	6.82

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	35
3		Tranvlcypropine-propionyl	189	C12H15NO	1000123-86-3	12
4		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5		5-Aminoindole	132	C8H8N2	005192-03-0	9



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102117\
Data File : BF099737.D
Acq On : 21 Oct 2017 19:35
Operator : SJ/JU
Sample : I6036-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-3

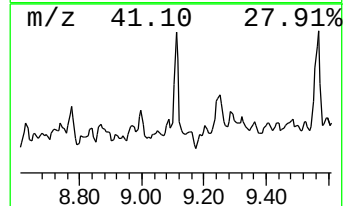
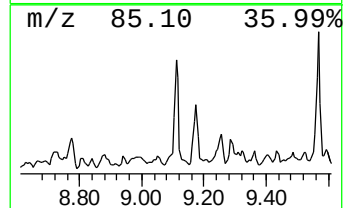
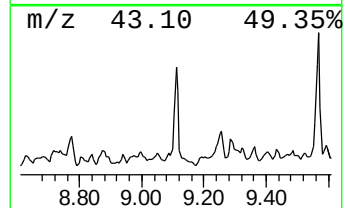
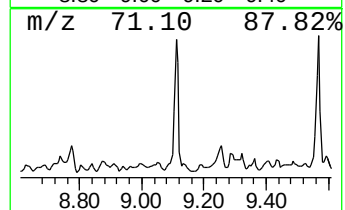
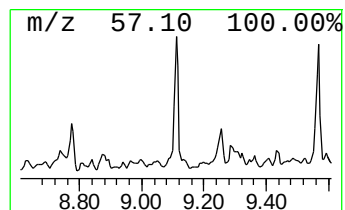
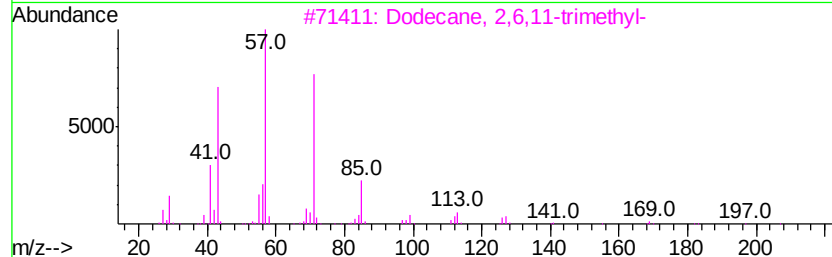
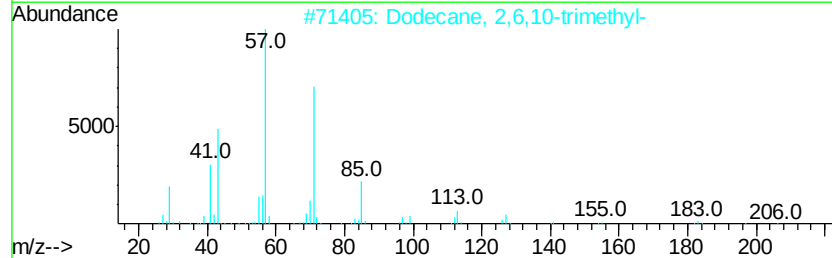
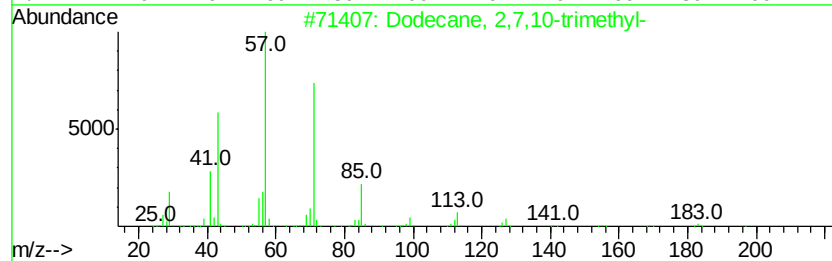
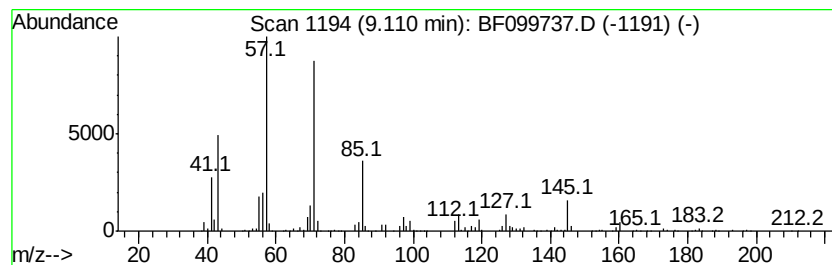
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Dodecane, 2,7,10-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.11	48.13 ng	1095950	Acenaphthene-d10	9.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	80
2		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	80
3		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	72
4		Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72
5		Bacchotricuneatin c	342	C20H22O5	066563-30-2	64



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102117\
Data File : BF099737.D
Acq On : 21 Oct 2017 19:35
Operator : SJ/JU
Sample : I6036-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

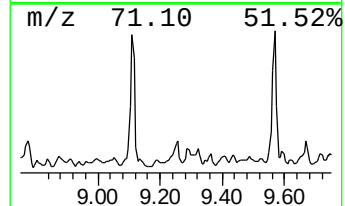
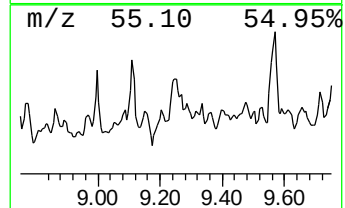
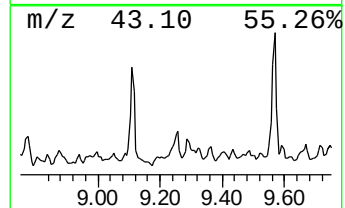
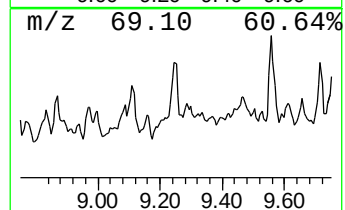
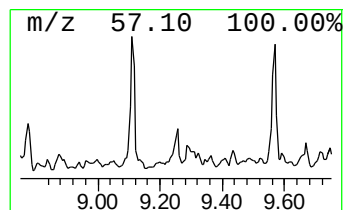
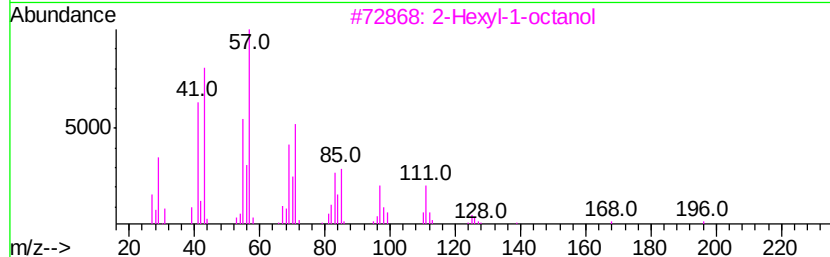
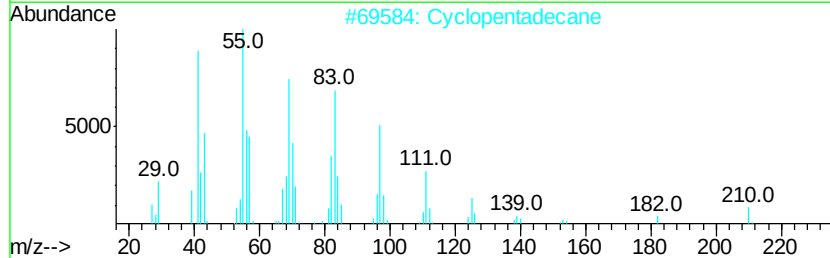
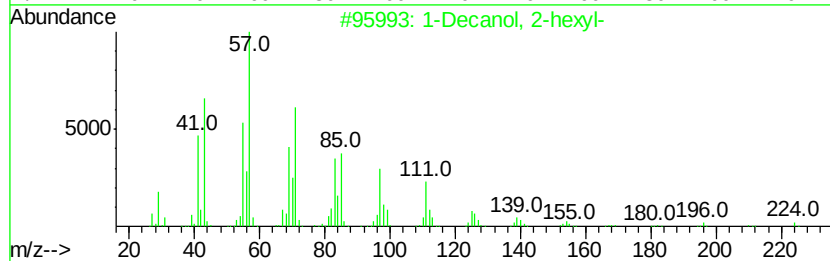
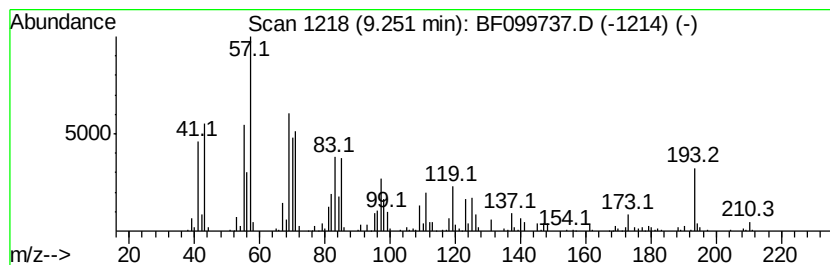
Instrument :
BNA_F
ClientSampleId :
MW-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 1-Decanol, 2-hexyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.25	29.64 ng	674969	Acenaphthene-d10	9.86
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1-Decanol, 2-hexyl-	242 C16H34O	002425-77-6	53
2	Cyclopentadecane	210 C15H30	000295-48-7	50
3	2-Hexyl-1-octanol	214 C14H30O	019780-79-1	49
4	2-Ethyl-1-dodecanol	214 C14H30O	019780-33-7	49
5	Oxalic acid, cyclobutyl pentadec...	354 C21H38O4	1000309-70-5	46



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102117\
Data File : BF099737.D
Acq On : 21 Oct 2017 19:35
Operator : SJ/JU
Sample : I6036-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-3

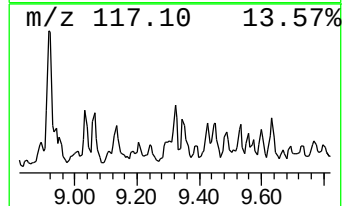
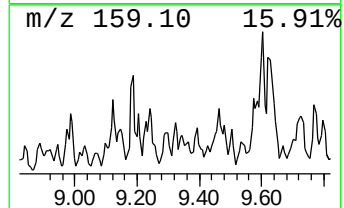
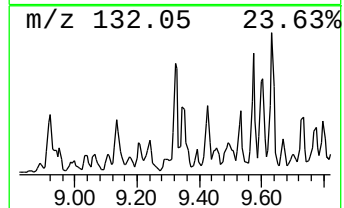
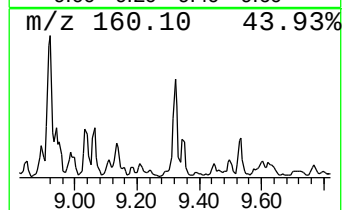
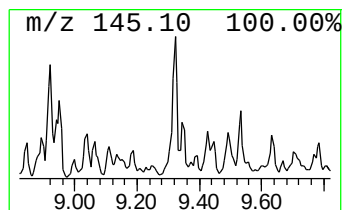
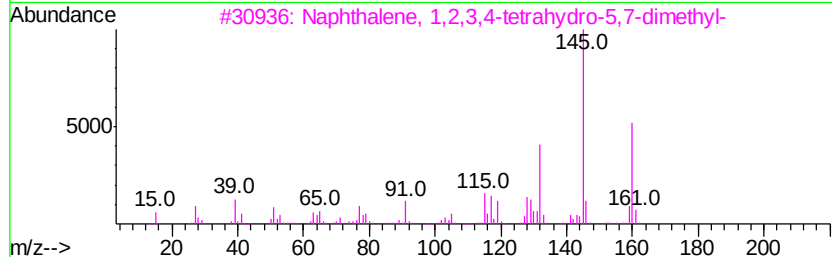
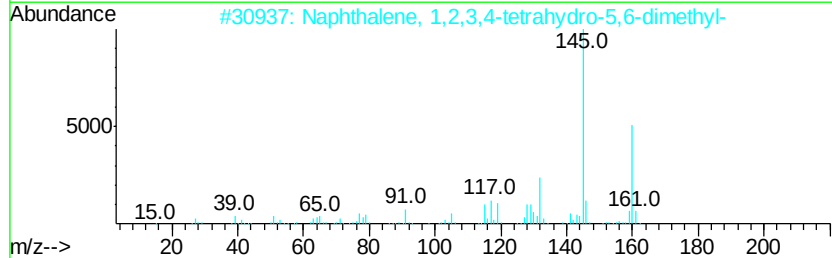
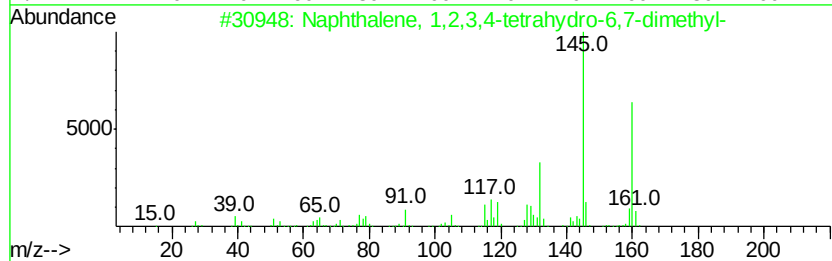
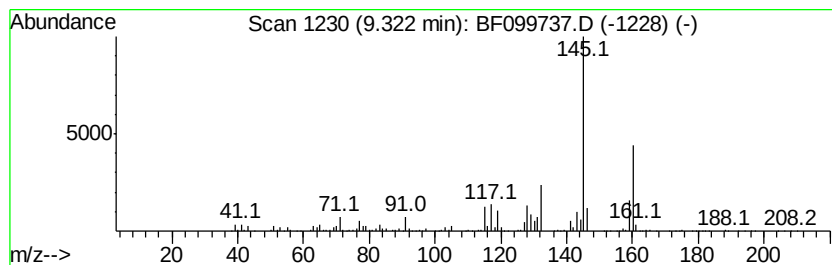
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Naphthalene, 1,2,3,4-tetrahydro-... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.32	22.94 ng	522418	Acenaphthene-d10	9.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	93
2		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	020027-77-4	93
3		Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021693-54-9	87
4		Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	87
5		1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	76



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102117\
Data File : BF099737.D
Acq On : 21 Oct 2017 19:35
Operator : SJ/JU
Sample : I6036-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-3

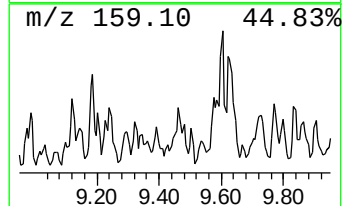
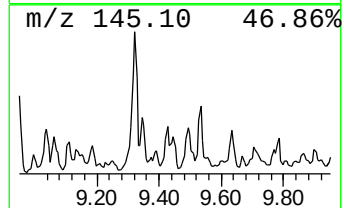
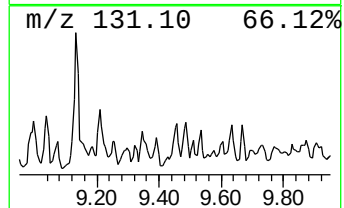
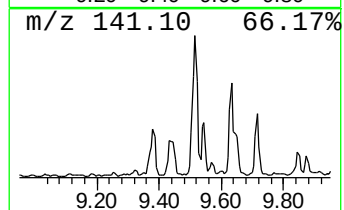
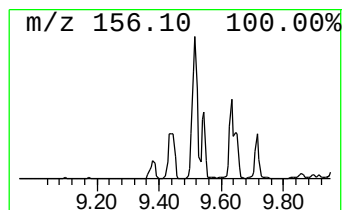
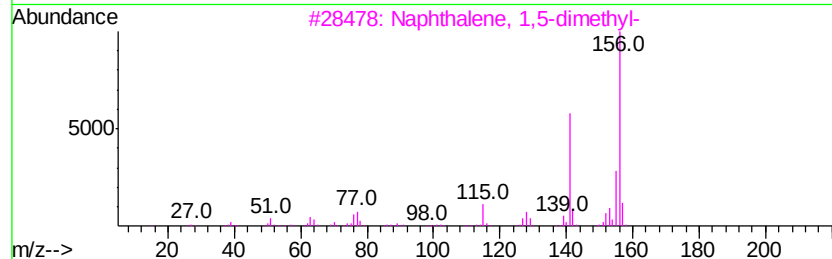
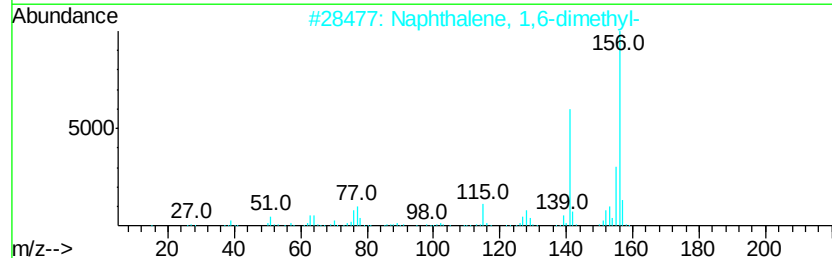
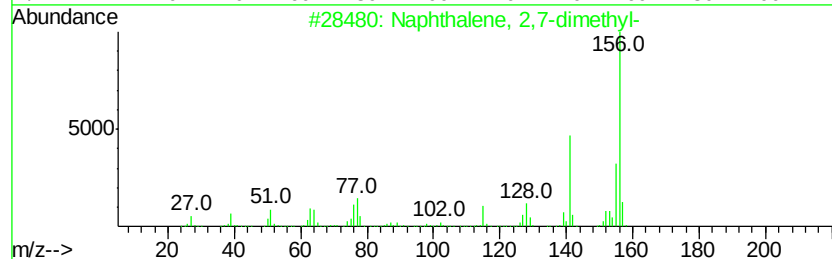
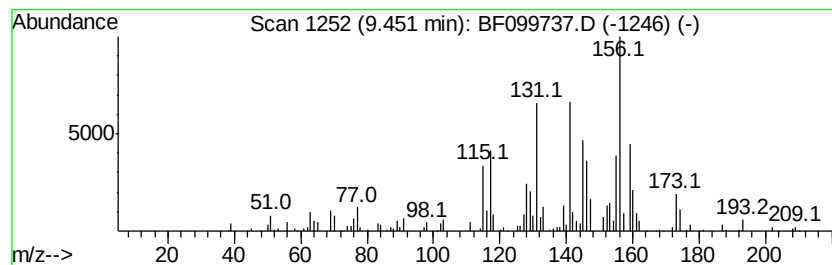
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Naphthalene, 2,7-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.45	27.79 ng	632828	Acenaphthene-d10	9.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
2		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	92
3		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	91
4		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	83
5		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	83



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102117\
Data File : BF099737.D
Acq On : 21 Oct 2017 19:35
Operator : SJ/JU
Sample : I6036-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-3

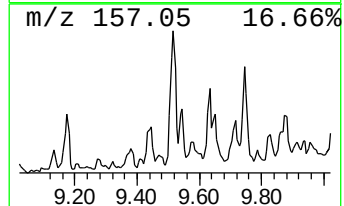
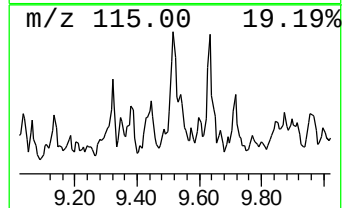
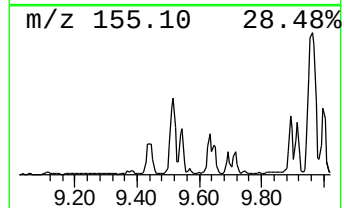
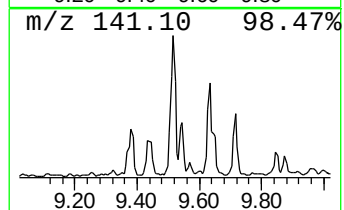
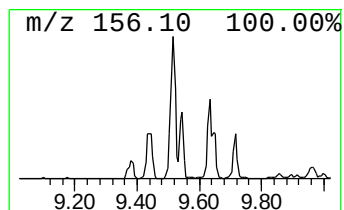
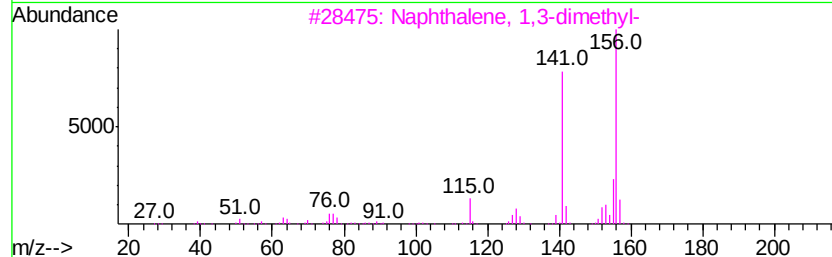
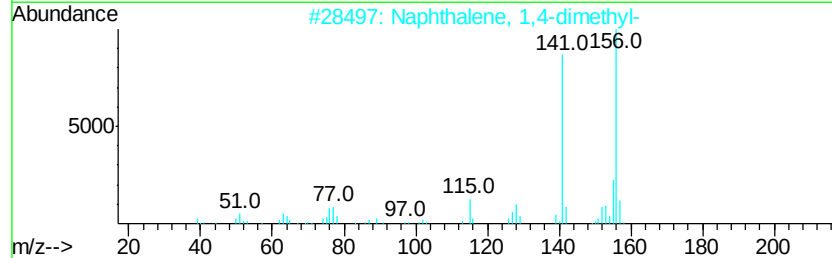
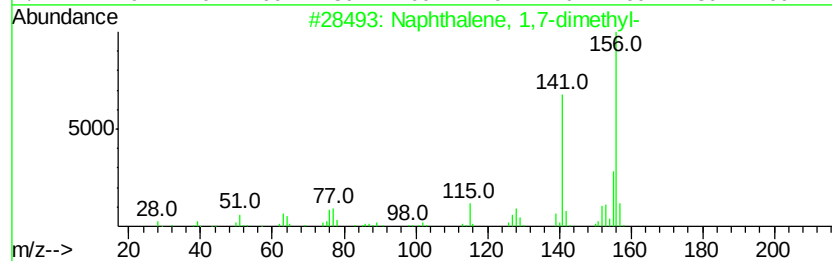
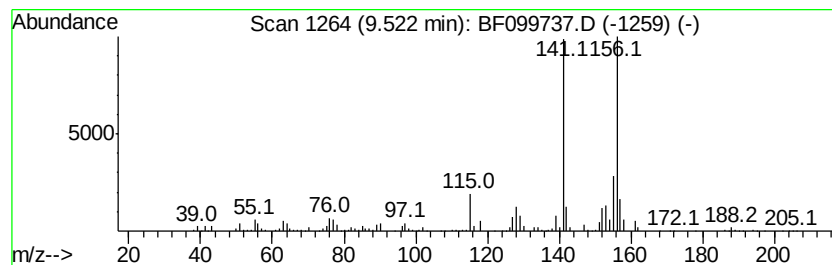
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.52	44.59 ng	1015270	Acenaphthene-d10	9.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
2		Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
3		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102117\
Data File : BF099737.D
Acq On : 21 Oct 2017 19:35
Operator : SJ/JU
Sample : I6036-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-3

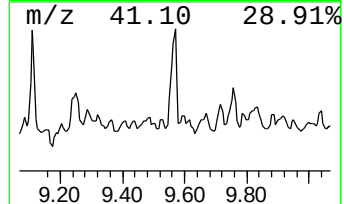
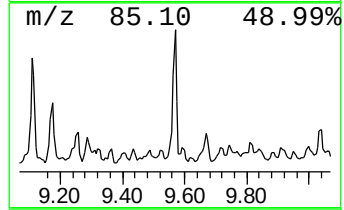
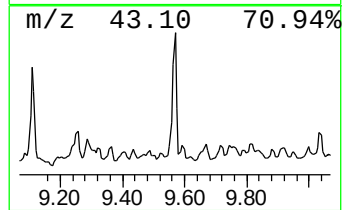
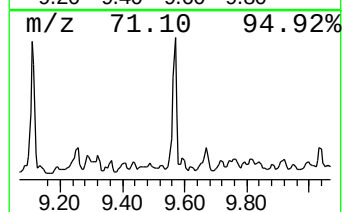
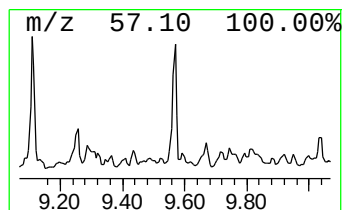
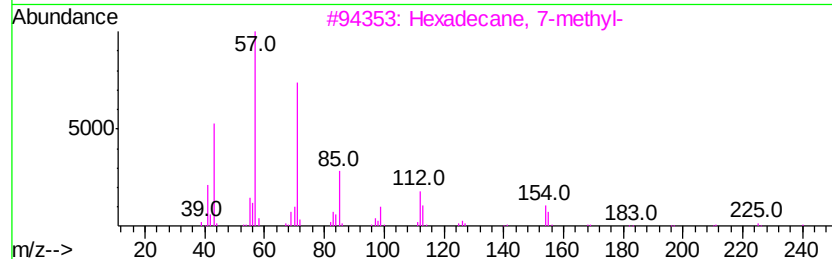
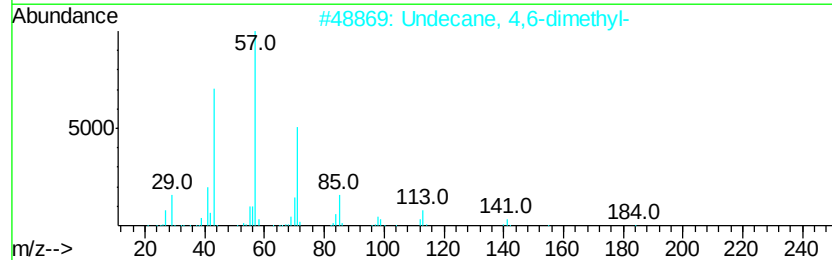
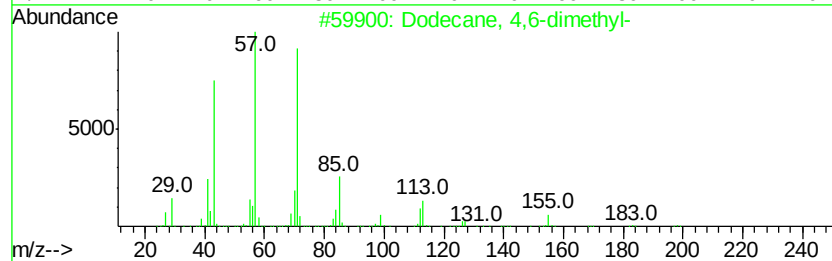
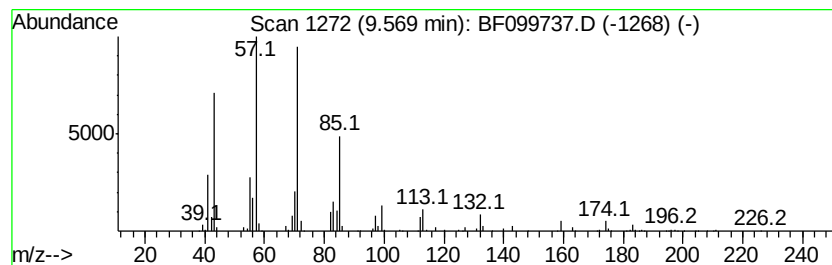
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Dodecane, 4,6-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.57	70.84 ng	1613020	Acenaphthene-d10	9.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	64
2		Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	62
3		Hexadecane, 7-methyl-	240	C17H36	026730-20-1	59
4		Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	59
5		1-Nonene, 4,6,8-trimethyl-	168	C12H24	054410-98-9	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102117\
Data File : BF099737.D
Acq On : 21 Oct 2017 19:35
Operator : SJ/JU
Sample : I6036-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-3

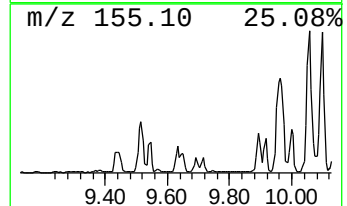
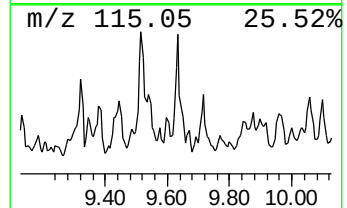
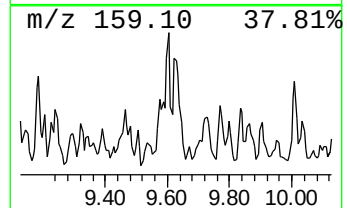
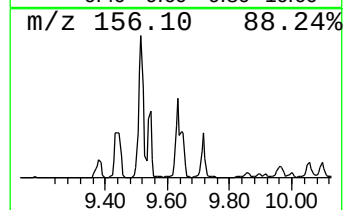
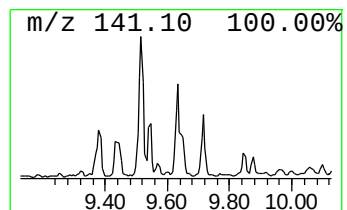
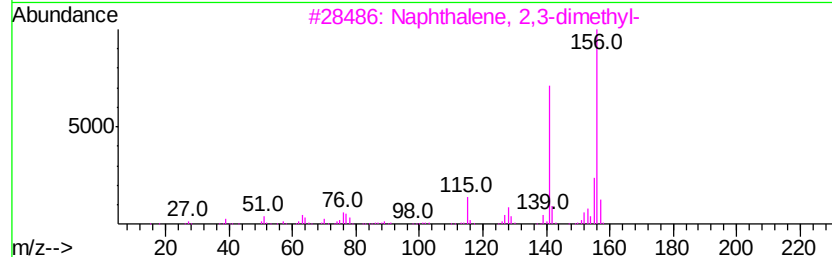
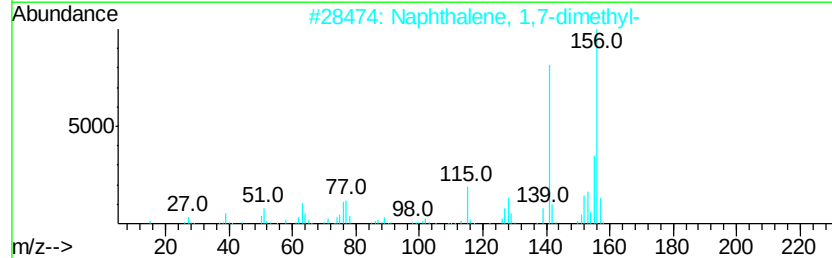
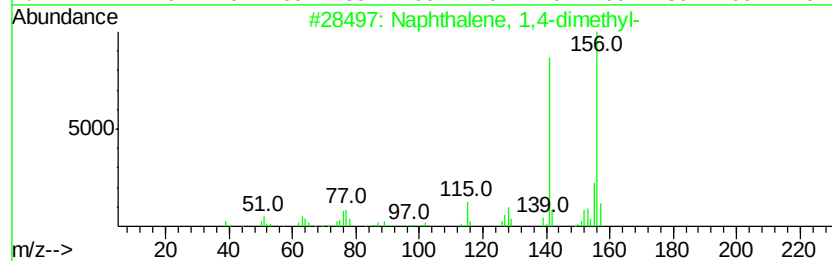
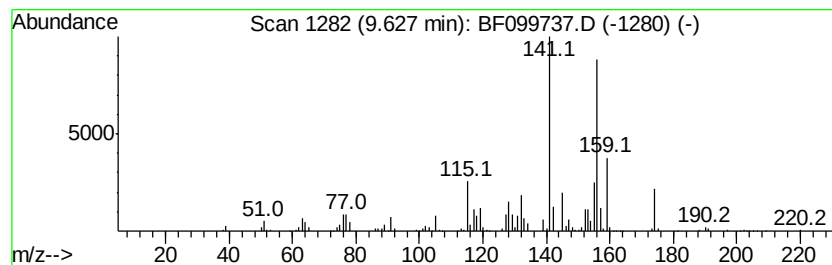
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Naphthalene, 1,4-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.63	20.71 ng	471608	Acenaphthene-d10	9.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
2		Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
3		Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	93
4		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	93
5		Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	93



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102117\
Data File : BF099737.D
Acq On : 21 Oct 2017 19:35
Operator : SJ/JU
Sample : I6036-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-3

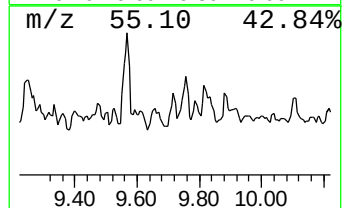
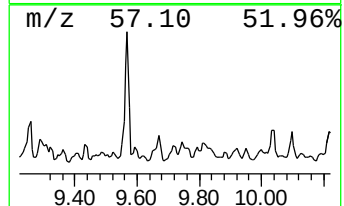
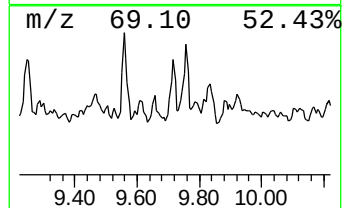
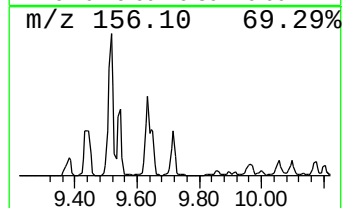
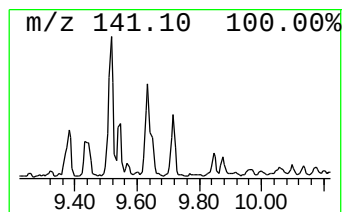
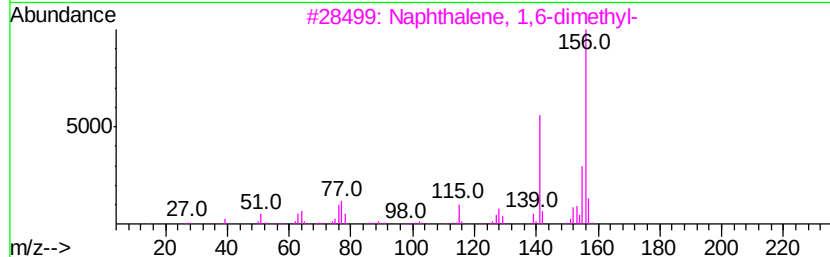
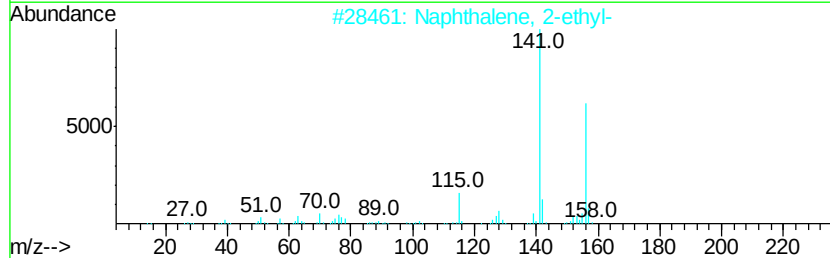
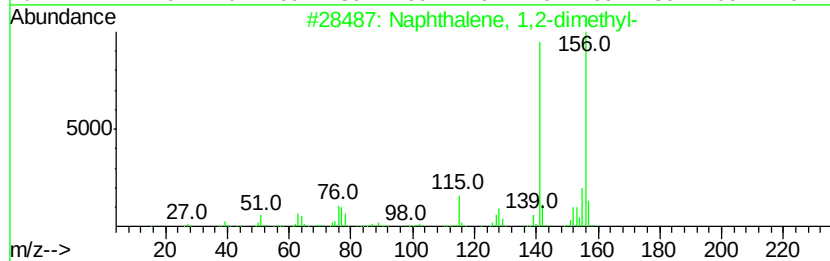
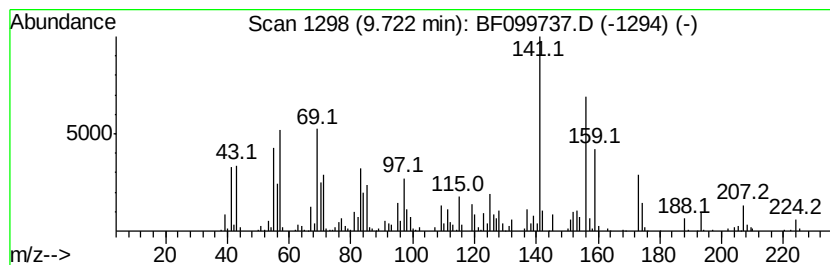
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Naphthalene, 1,2-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.72	34.45 ng	784313	Acenaphthene-d10	9.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	93
2		Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	92
3		Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	86
4		Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	83
5		Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	70



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102117\
Data File : BF099737.D
Acq On : 21 Oct 2017 19:35
Operator : SJ/JU
Sample : I6036-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-3

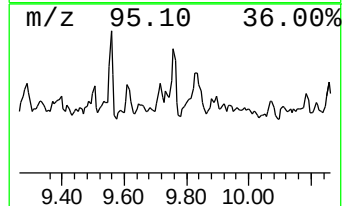
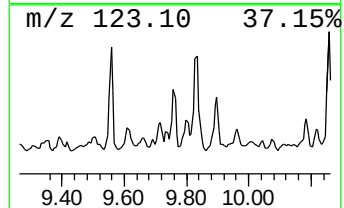
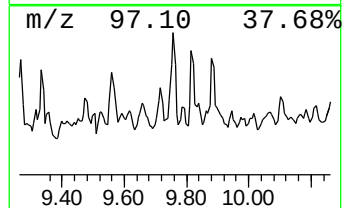
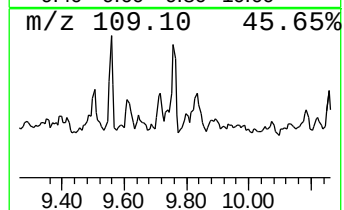
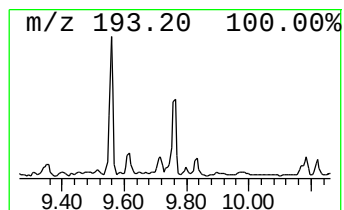
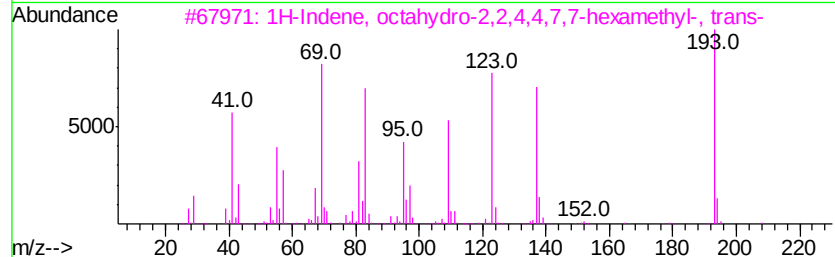
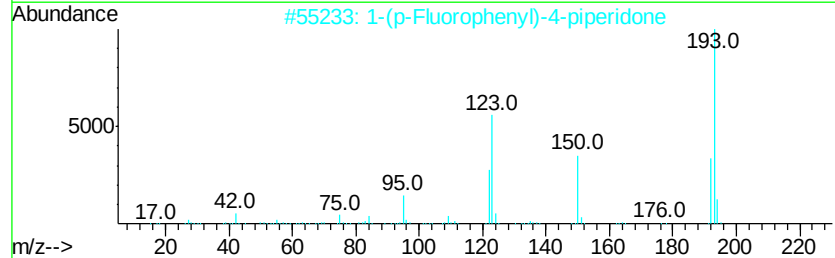
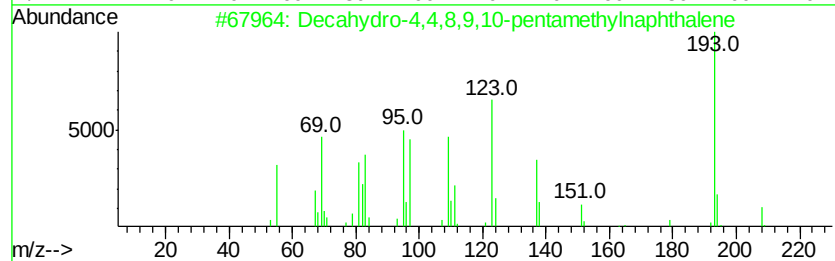
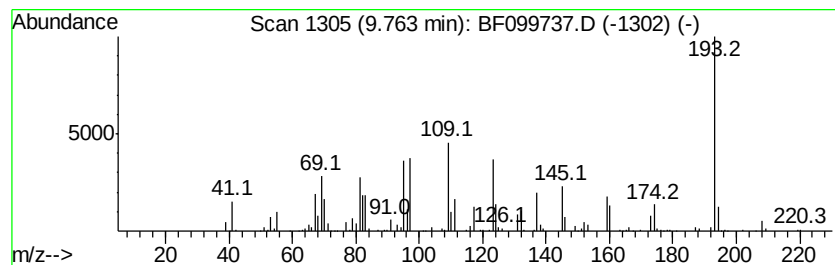
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Decahydro-4,4,8,9,10-pentam... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.76	22.13 ng	503895	Acenaphthene-d10	9.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Decahydro-4,4,8,9,10-pentamethyl...	208	C15H28	080655-44-3	50
2		1-(p-Fluorophenyl)-4-piperidone	193	C11H12FNO	1000238-56-7	27
3		1H-Indene, octahydro-2,2,4,4,7,7...	208	C15H28	054832-83-6	25
4		Hexahydro-1-oxa-cyclopropa[d]ind...	152	C9H12O2	037643-23-5	16
5		(5-Ethylcyclopent-1-enyl)methanol	126	C8H14O	036431-59-1	14



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102117\
Data File : BF099737.D
Acq On : 21 Oct 2017 19:35
Operator : SJ/JU
Sample : I6036-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-3

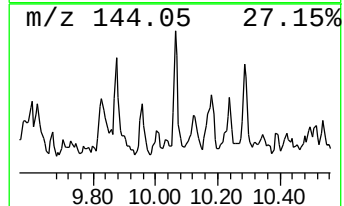
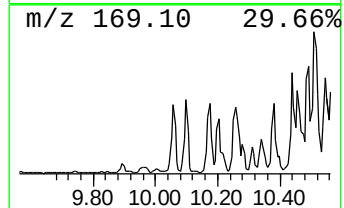
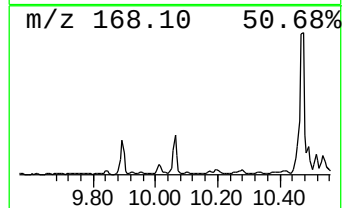
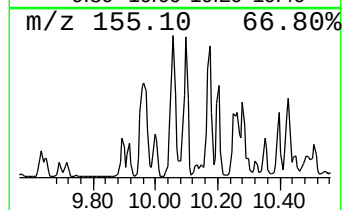
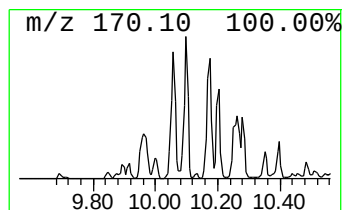
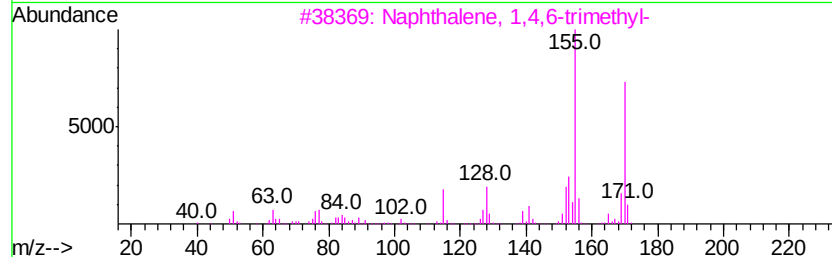
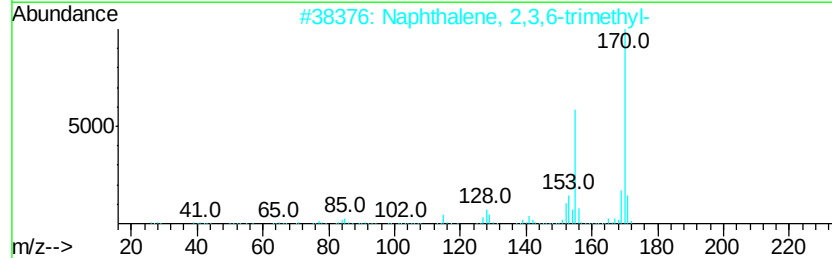
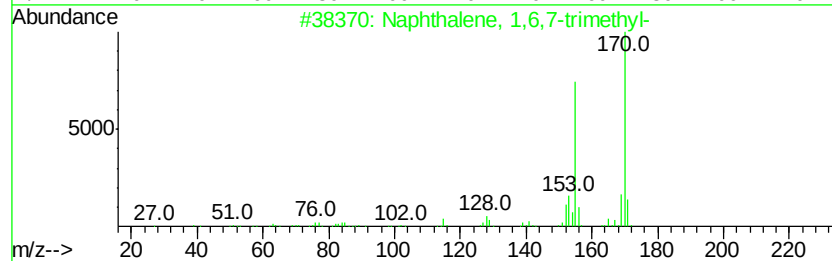
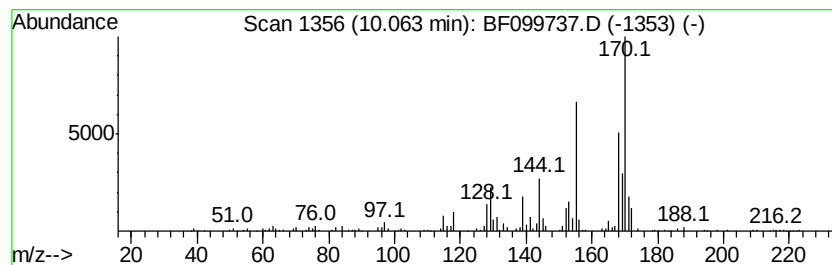
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.06	30.10 ng	685348	Acenaphthene-d10	9.86

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	95
3		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94
4		Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	91
5		4,6,8-Trimethylazulene	170	C13H14	000941-81-1	87



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102117\
Data File : BF099737.D
Acq On : 21 Oct 2017 19:35
Operator : SJ/JU
Sample : I6036-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-3

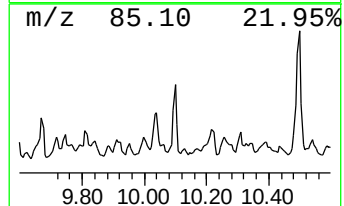
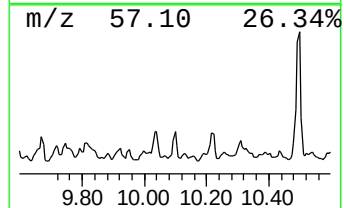
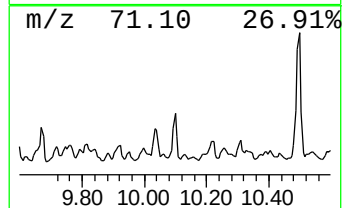
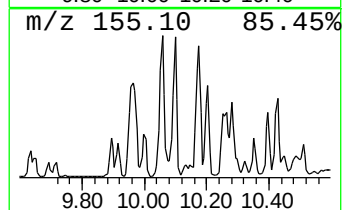
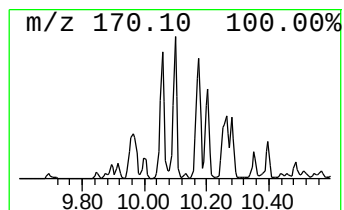
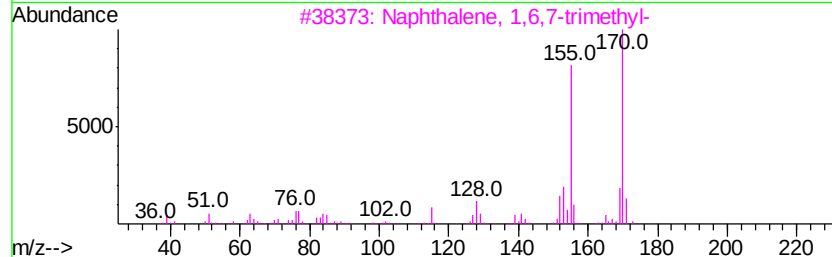
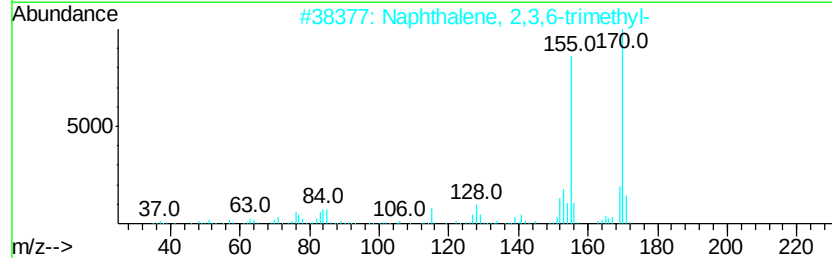
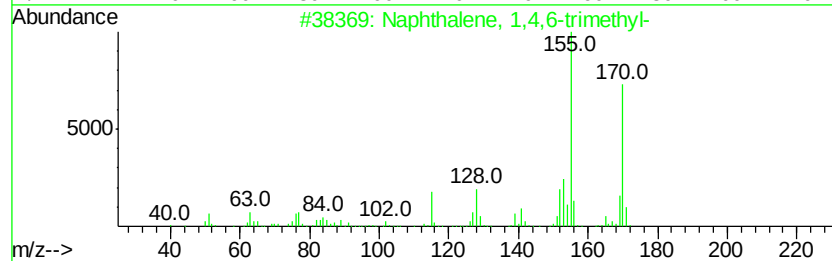
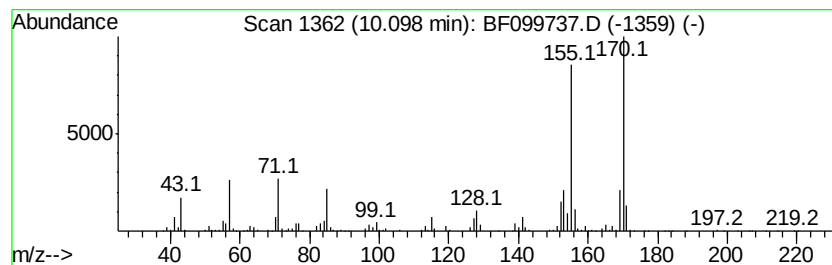
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Naphthalene, 1,4,6-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.10	36.18 ng	823838	Acenaphthene-d10	9.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
2		Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94
3		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	93
4		4,6,8-Trimethylazulene	170	C13H14	000941-81-1	91
5		Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	87



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102117\
Data File : BF099737.D
Acq On : 21 Oct 2017 19:35
Operator : SJ/JU
Sample : I6036-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-3

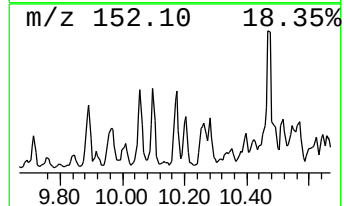
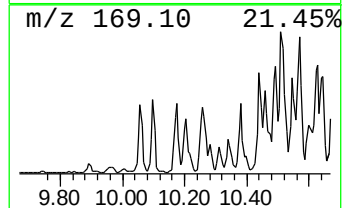
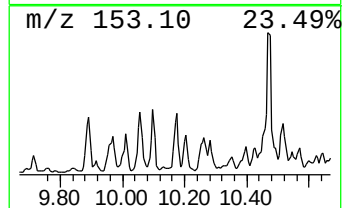
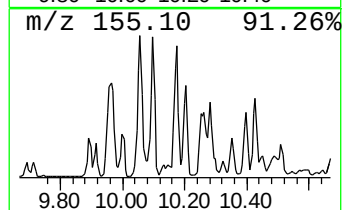
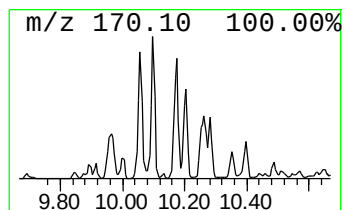
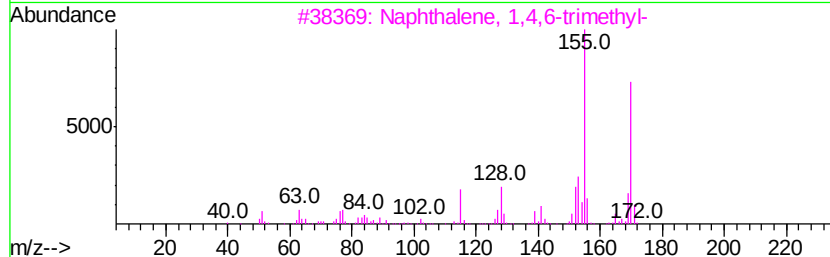
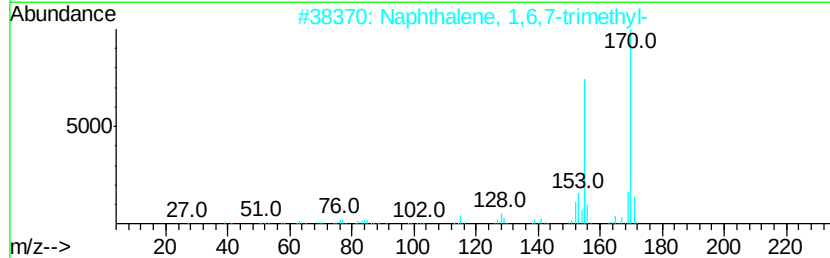
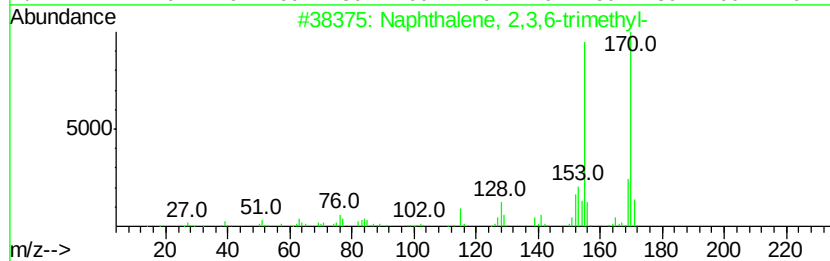
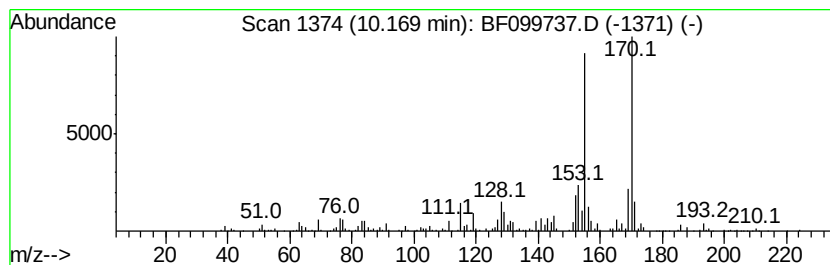
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Naphthalene, 2,3,6-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.17	54.30 ng	1236320	Acenaphthene-d10	9.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2		Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
3		Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	97
4		4,6,8-Trimethylazulene	170	C13H14	000941-81-1	93
5		1-(2,2-Dimethylcyclopropyl)-2-ph...	170	C13H14	1000294-91-1	93



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102117\
Data File : BF099737.D
Acq On : 21 Oct 2017 19:35
Operator : SJ/JU
Sample : I6036-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-3

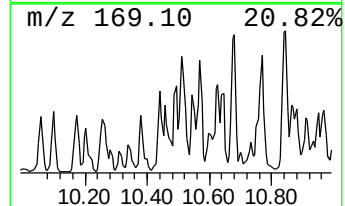
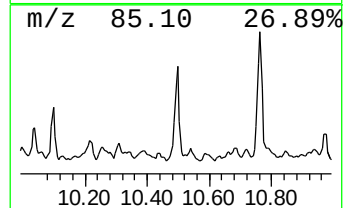
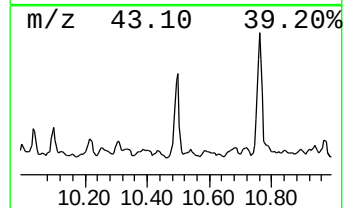
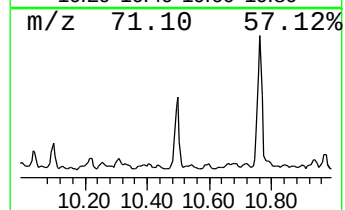
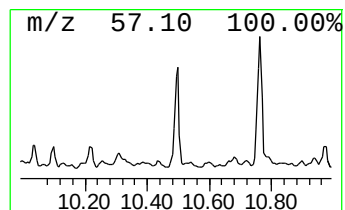
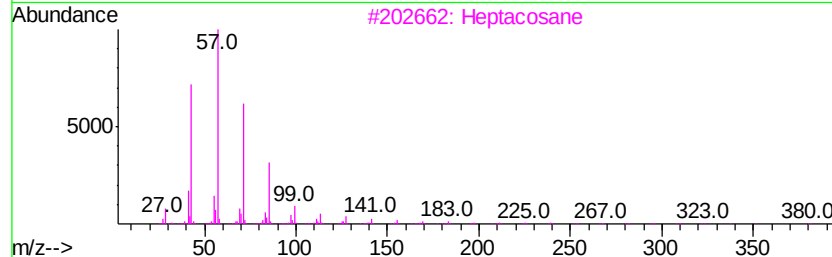
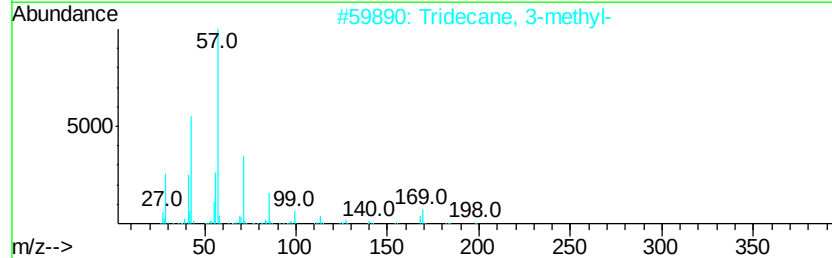
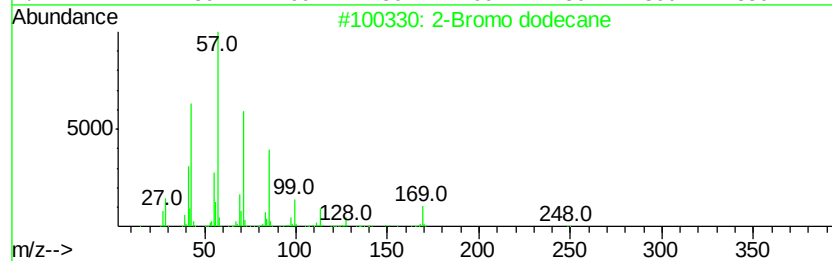
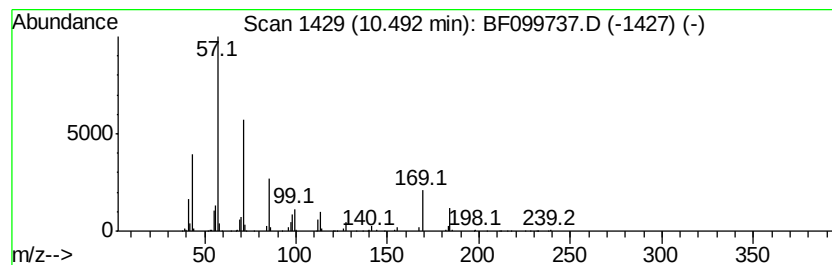
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 2-Bromo dodecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.49	40.09 ng	912760	Acenaphthene-d10	9.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Bromo dodecane	248	C12H25Br	013187-99-0	59
2		Tridecane, 3-methyl-	198	C14H30	006418-41-3	58
3		Heptacosane	380	C27H56	000593-49-7	58
4		Tridecane, 2-methyl-	198	C14H30	001560-96-9	52
5		Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	52



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102117\
Data File : BF099737.D
Acq On : 21 Oct 2017 19:35
Operator : SJ/JU
Sample : I6036-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

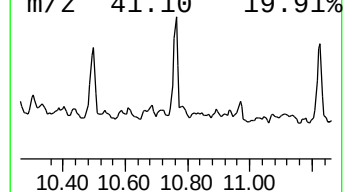
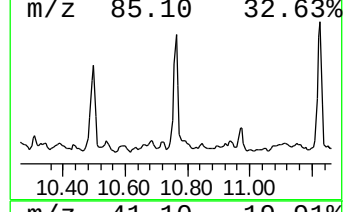
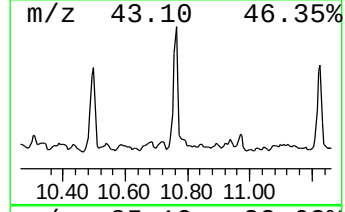
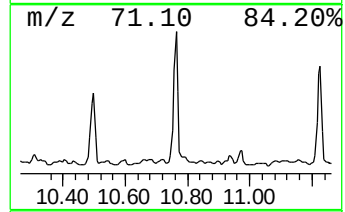
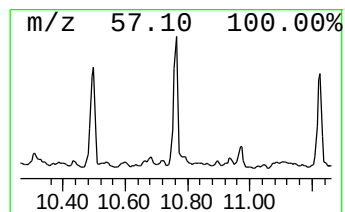
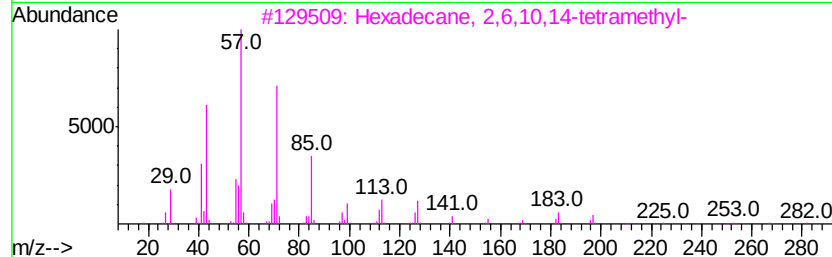
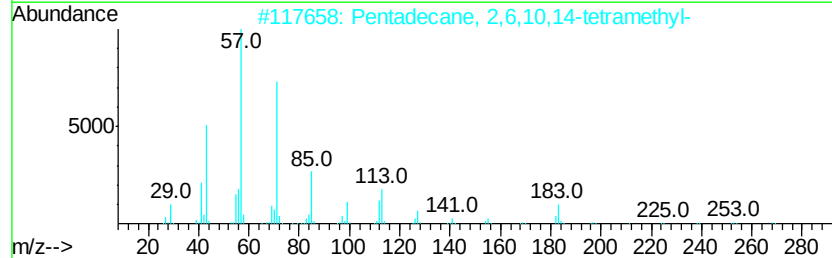
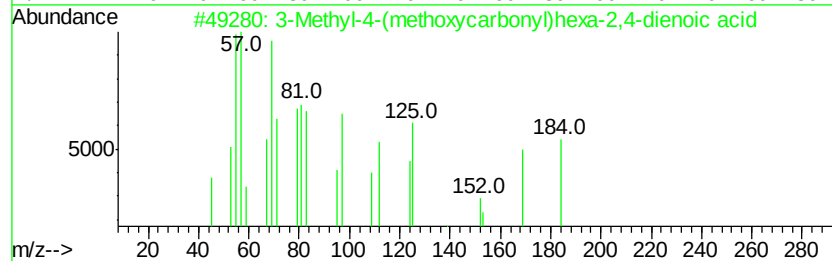
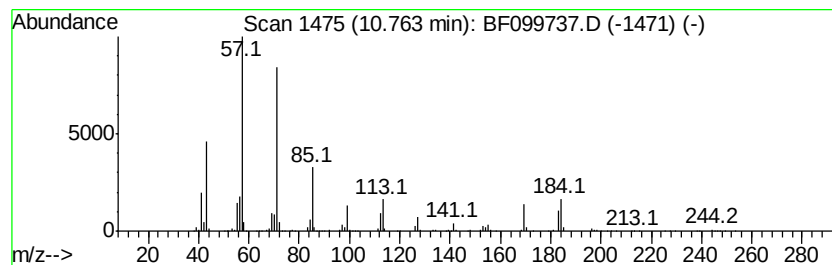
Instrument :
BNA_F
ClientSampleId :
MW-3

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 3-Methyl-4-(methoxycarbonyl... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.76	92.01 ng	1981580	Phenanthrene-d10	11.35	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methyl-4-(methoxycarbonyl)hexa...	184	C9H12O4	1000104-10-8	91
2	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	87
3	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	80
4	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	72
5	Tridecane, 7-methyl-	198	C14H30	026730-14-3	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102117\
Data File : BF099737.D
Acq On : 21 Oct 2017 19:35
Operator : SJ/JU
Sample : I6036-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

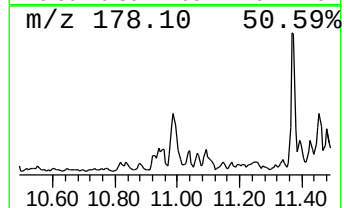
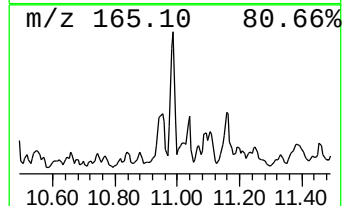
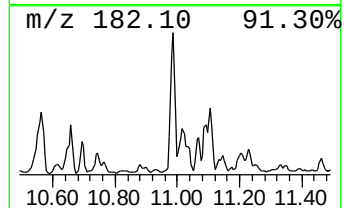
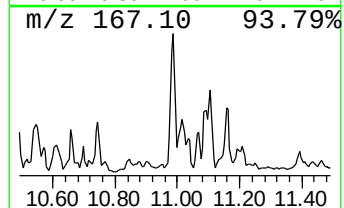
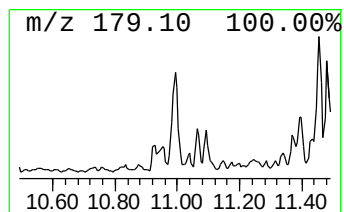
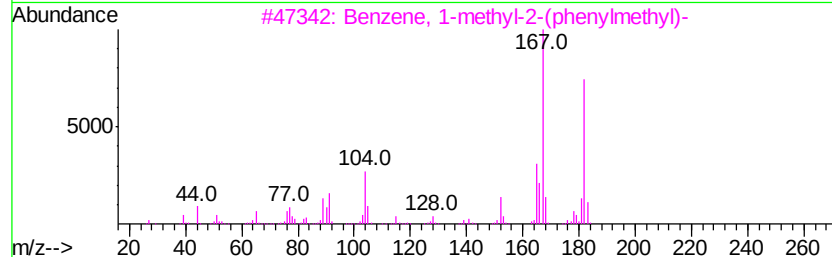
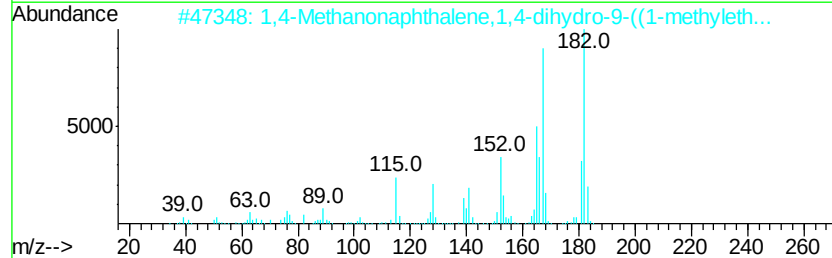
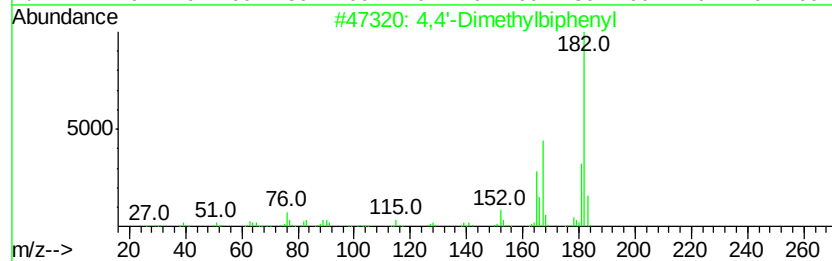
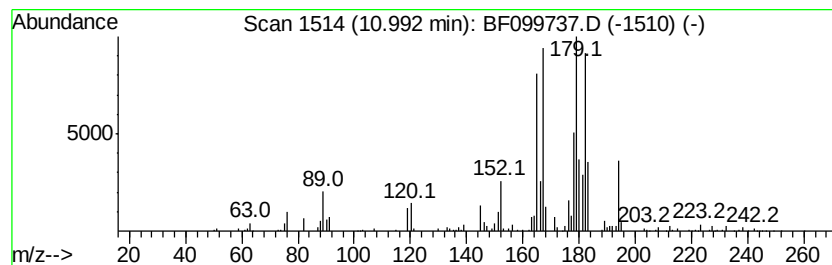
Instrument :
BNA_F
ClientSampleId :
MW-3

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 4,4'-Dimethylbiphenyl Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.99	20.58 ng	443317	Phenanthrene-d10	11.35	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	58
2	1,4-Methanonaphthalene,1,4-dihyd...	182	C14H14	007350-72-3	53
3	Benzene, 1-methyl-2-(phenylmethyl)-	182	C14H14	000713-36-0	46
4	1,1'-Biphenyl, 2,3'-dimethyl-	182	C14H14	000611-43-8	46
5	2,2'-Dimethylbiphenyl	182	C14H14	000605-39-0	46



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102117\
Data File : BF099737.D
Acq On : 21 Oct 2017 19:35
Operator : SJ/JU
Sample : I6036-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-3

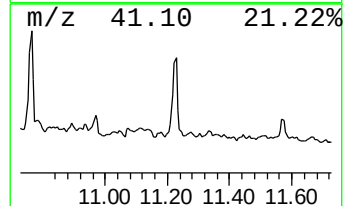
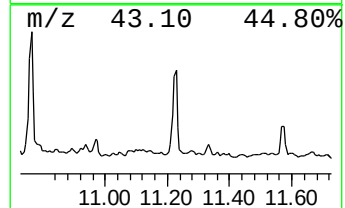
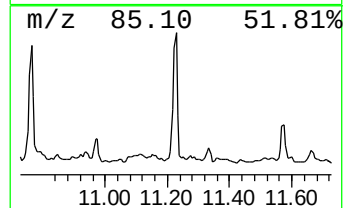
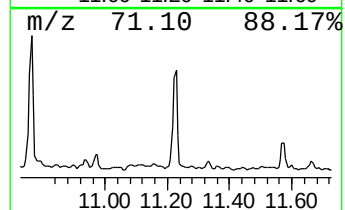
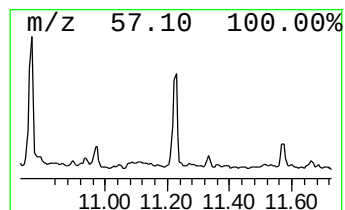
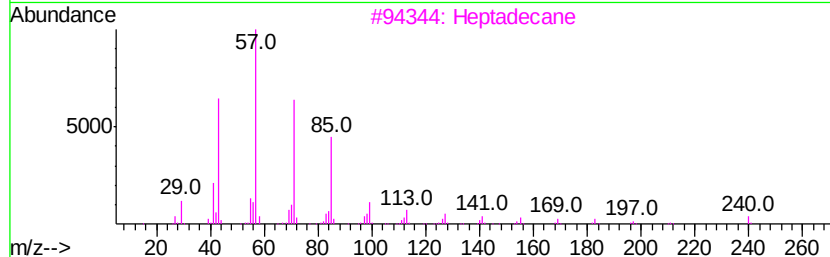
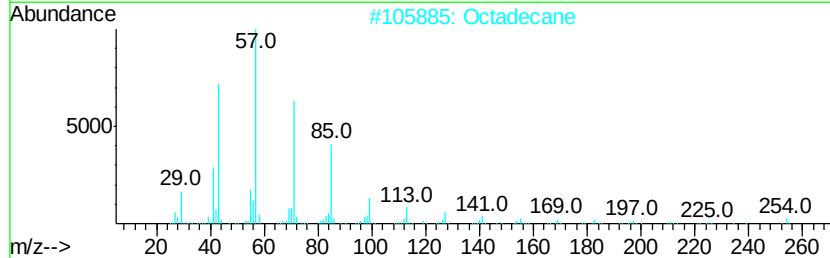
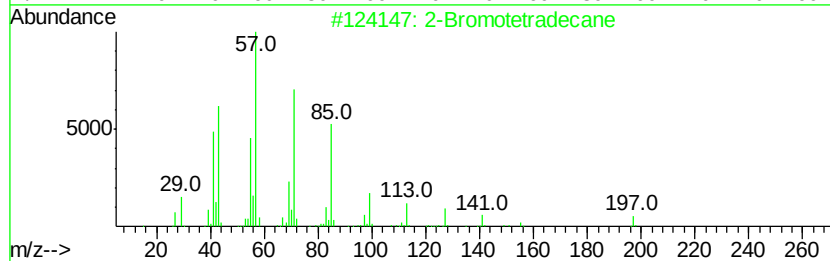
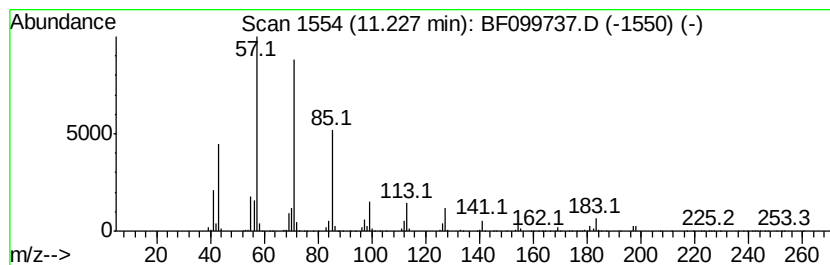
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 2-Bromotetradecane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.23	72.72 ng	1566290	Phenanthrene-d10	11.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Bromotetradecane	276	C14H29Br	074036-95-6	87
2		Octadecane	254	C18H38	000593-45-3	83
3		Heptadecane	240	C17H36	000629-78-7	78
4		Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	72
5		Tridecane, 5-propyl-	226	C16H34	055045-11-9	70



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102117\
 Data File : BF099737.D
 Acq On : 21 Oct 2017 19:35
 Operator : SJ/JU
 Sample : I6036-02
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.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
unknown6.59	6.59	40.2	ng	1185700	1	6.82	589567	20.0
Dodecane, 2,7,10-...	9.11	48.1	ng	1095950	3	9.86	455386	20.0
1-Decanol, 2-hexyl-	9.25	29.6	ng	674969	3	9.86	455386	20.0
Naphthalene, 1,2,...	9.32	22.9	ng	522418	3	9.86	455386	20.0
Naphthalene, 2,7-...	9.45	27.8	ng	632828	3	9.86	455386	20.0
Naphthalene, 1,7-...	9.52	44.6	ng	1015270	3	9.86	455386	20.0
Dodecane, 4,6-dim...	9.57	70.8	ng	1613020	3	9.86	455386	20.0
Naphthalene, 1,4-...	9.63	20.7	ng	471608	3	9.86	455386	20.0
Naphthalene, 1,2-...	9.72	34.5	ng	784313	3	9.86	455386	20.0
Decahydro-4,4,8,9...	9.76	22.1	ng	503895	3	9.86	455386	20.0
Naphthalene, 1,6,...	10.06	30.1	ng	685348	3	9.86	455386	20.0
Naphthalene, 1,4,...	10.10	36.2	ng	823838	3	9.86	455386	20.0
Naphthalene, 2,3,...	10.17	54.3	ng	1236320	3	9.86	455386	20.0
2-Bromo dodecane	10.49	40.1	ng	912760	3	9.86	455386	20.0
3-Methyl-4-(metho...	10.76	92.0	ng	1981580	4	11.35	430749	20.0
4,4'-Dimethylbiph...	10.99	20.6	ng	443317	4	11.35	430749	20.0
2-Bromotetradecane	11.23	72.7	ng	1566290	4	11.35	430749	20.0