

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082318\
 Data File : BF108436.D
 Acq On : 23 Aug 2018 22:21
 Operator : JU/SJ
 Sample : J4559-06 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RA-081718-SSW-115-050

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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	4.143	302	307	317	rVB	73732	96079	2.97%	0.217%
2	5.225	488	491	499	rBV2	58666	74167	2.29%	0.168%
3	5.495	533	537	540	rBV	79203	69803	2.16%	0.158%
4	5.619	551	558	568	rVB2	1401976	1520754	46.97%	3.438%
5	6.025	620	627	630	rBV3	48646	84275	2.60%	0.191%
6	6.237	659	663	665	rBV	198921	205090	6.33%	0.464%
7	6.295	668	673	676	rVB	280340	290802	8.98%	0.657%
8	6.425	691	695	699	rBV4	101485	178299	5.51%	0.403%
9	6.484	703	705	708	rVB	129423	105176	3.25%	0.238%
10	6.537	708	714	719	rBV3	281710	426936	13.19%	0.965%
11	6.613	723	727	731	rVV	1470204	1383869	42.74%	3.129%
12	6.672	734	737	739	rVV	136214	133533	4.12%	0.302%
13	6.737	743	748	750	rVV3	160606	304695	9.41%	0.689%
14	6.766	750	753	760	rVB	1625488	1513819	46.76%	3.422%
15	6.819	760	762	766	rBV3	168404	207086	6.40%	0.468%
16	6.854	766	768	770	rVB	123863	98517	3.04%	0.223%
17	6.907	774	777	778	rVV	78589	76827	2.37%	0.174%
18	6.948	781	784	788	rVV4	142567	256887	7.93%	0.581%
19	6.995	788	792	796	rVV	1629705	1516105	46.83%	3.427%
20	7.037	796	799	801	rVV3	96861	137026	4.23%	0.310%
21	7.095	804	809	810	rVV3	192311	295675	9.13%	0.668%
22	7.131	813	815	816	rVV	315008	291580	9.01%	0.659%
23	7.154	816	819	825	rVV	1182388	1237693	38.23%	2.798%
24	7.213	827	829	831	rVV2	120757	103530	3.20%	0.234%
25	7.242	831	834	835	rVV3	101424	112026	3.46%	0.253%
26	7.260	835	837	840	rVV2	313560	318405	9.83%	0.720%
27	7.325	843	848	852	rBV3	109840	182214	5.63%	0.412%
28	7.395	857	860	862	rVV2	201528	239271	7.39%	0.541%
29	7.419	862	864	868	rVB2	154887	175289	5.41%	0.396%
30	7.525	877	882	884	rBV3	319596	439509	13.58%	0.994%
31	7.560	884	888	893	rVV	1090517	1148647	35.48%	2.597%
32	7.631	896	900	904	rVB4	173785	289261	8.93%	0.654%
33	7.689	904	910	912	rBV3	143667	204346	6.31%	0.462%
34	7.731	912	917	919	rVV3	75186	107719	3.33%	0.244%

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082318\
 Data File : BF108436.D
 Acq On : 23 Aug 2018 22:21
 Operator : JU/SJ
 Sample : J4559-06 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RA-081718-SSW-115-050

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.760	919	922	925	rVV2	311348	265550	8.20%	0.600%
36	7.801	927	929	934	rVB3	139816	157580	4.87%	0.356%
37	7.889	941	944	946	rVB	153308	110157	3.40%	0.249%
38	7.919	946	949	951	rBV3	150964	115794	3.58%	0.262%
39	8.013	962	965	968	rBV2	160258	145013	4.48%	0.328%
40	8.089	974	978	982	rBV4	63724	73921	2.28%	0.167%
41	8.142	984	987	990	rVB2	110375	98558	3.04%	0.223%
42	8.242	1002	1004	1006	rBV	140363	120292	3.72%	0.272%
43	8.284	1007	1011	1014	rVV	1288574	1125046	34.75%	2.543%
44	8.325	1016	1018	1021	rVB	357272	267423	8.26%	0.605%
45	8.360	1021	1024	1030	rVB4	103944	114657	3.54%	0.259%
46	8.478	1042	1044	1049	rVB	89857	82668	2.55%	0.187%
47	8.560	1055	1058	1063	rVB4	181776	203633	6.29%	0.460%
48	8.683	1077	1079	1082	rVB	325988	226274	6.99%	0.512%
49	8.783	1093	1096	1098	rBV2	89534	80063	2.47%	0.181%
50	8.813	1098	1101	1103	rVV2	107185	101122	3.12%	0.229%
51	8.854	1106	1108	1113	rVV2	278131	275259	8.50%	0.622%
52	8.901	1113	1116	1119	rVV4	74330	136914	4.23%	0.310%
53	8.948	1122	1124	1130	rVB2	134432	147180	4.55%	0.333%
54	9.054	1139	1142	1144	rBV3	74519	89290	2.76%	0.202%
55	9.095	1147	1149	1151	rBV	103963	78189	2.42%	0.177%
56	9.178	1160	1163	1167	rVB4	147357	185802	5.74%	0.420%
57	9.219	1167	1170	1174	rBV5	108559	123464	3.81%	0.279%
58	9.260	1174	1177	1179	rBV	90412	93787	2.90%	0.212%
59	9.283	1179	1181	1184	rVB	509795	393230	12.15%	0.889%
60	9.354	1189	1193	1197	rBV	1649733	1330680	41.10%	3.008%
61	9.419	1201	1204	1208	rVV3	375400	497649	15.37%	1.125%
62	9.460	1209	1211	1213	rVV2	140592	145180	4.48%	0.328%
63	9.501	1216	1218	1220	rVB2	93138	73115	2.26%	0.165%
64	9.619	1234	1238	1239	rBV2	139311	170539	5.27%	0.386%
65	9.701	1249	1252	1254	rVB	184390	172262	5.32%	0.389%
66	9.742	1254	1259	1266	rVB4	1387061	1447139	44.70%	3.272%
67	9.801	1267	1269	1272	rBV3	96703	129643	4.00%	0.293%
68	9.830	1272	1274	1276	rBV3	76065	71202	2.20%	0.161%
69	9.901	1281	1286	1288	rBV3	325343	350142	10.82%	0.792%
70	9.954	1288	1295	1299	rBV	471393	624894	19.30%	1.413%
71	9.995	1299	1302	1304	rBV2	188533	215066	6.64%	0.486%

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082318\
 Data File : BF108436.D
 Acq On : 23 Aug 2018 22:21
 Operator : JU/SJ
 Sample : J4559-06 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RA-081718-SSW-115-050

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

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

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	10.042	1304	1310	1313	rBV2	1030428	1632376	50.42%	3.690%
73	10.142	1323	1327	1330	rBV2	165828	281710	8.70%	0.637%
74	10.183	1331	1334	1337	rVV4	211145	273008	8.43%	0.617%
75	10.213	1337	1339	1341	rVV	378785	306501	9.47%	0.693%
76	10.242	1341	1344	1346	rVV2	267971	234726	7.25%	0.531%
77	10.278	1347	1350	1358	rVB3	632109	847558	26.18%	1.916%
78	10.360	1361	1364	1366	rBV	312384	325170	10.04%	0.735%
79	10.389	1366	1369	1374	rVB2	349434	517232	15.98%	1.169%
80	10.454	1377	1380	1383	rVB2	507627	478480	14.78%	1.082%
81	10.489	1383	1386	1388	rBV	298280	295175	9.12%	0.667%
82	10.589	1401	1403	1405	rBV2	198736	165929	5.13%	0.375%
83	10.677	1414	1418	1421	rBV	2137271	2244006	69.31%	5.073%
84	10.730	1425	1427	1430	rBV3	206649	194873	6.02%	0.441%
85	10.836	1442	1445	1448	rBV3	828002	891687	27.54%	2.016%
86	10.872	1449	1451	1454	rVB2	402465	357264	11.04%	0.808%
87	10.948	1459	1464	1467	rBV	2907366	3237503	100.00%	7.319%
88	11.154	1496	1499	1502	rVB	676167	738858	22.82%	1.670%
89	11.413	1540	1543	1546	rBV	2638422	2579363	79.67%	5.831%
90	11.542	1563	1565	1567	rBV	803081	649318	20.06%	1.468%
91	11.566	1567	1569	1575	rVB	520708	543253	16.78%	1.228%
92	11.766	1600	1603	1606	rBV	1009585	969382	29.94%	2.192%
93	11.813	1609	1611	1614	rVB2	592139	458228	14.15%	1.036%
94	12.224	1679	1681	1683	rBV	460881	351987	10.87%	0.796%
95	12.719	1763	1765	1769	rBV3	643357	682902	21.09%	1.544%
96	13.107	1828	1831	1833	rBV	1034987	1113842	34.40%	2.518%

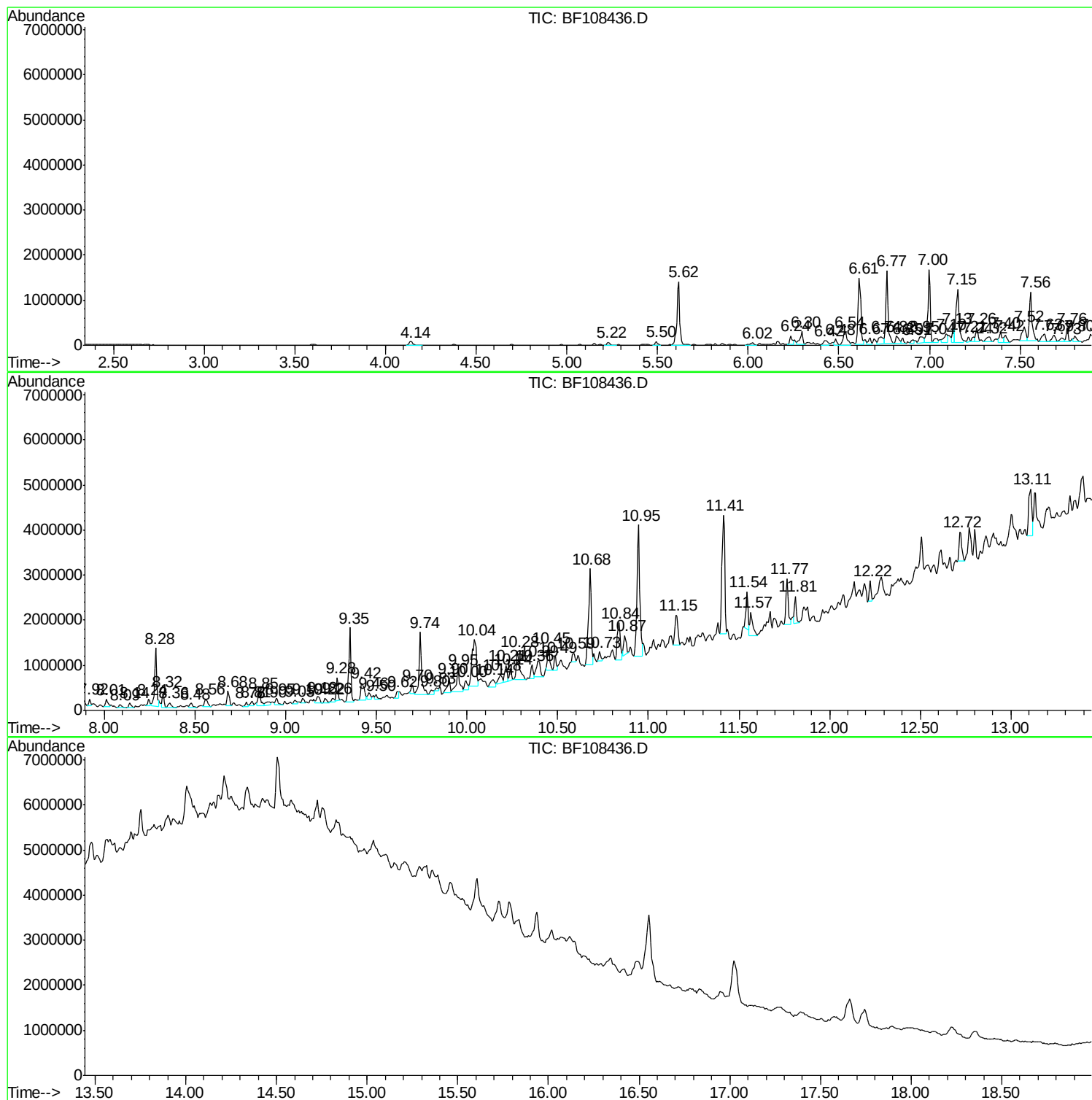
Sum of corrected areas: 44233618

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082318\
Data File : BF108436.D
Acq On : 23 Aug 2018 22:21
Operator : JU/SJ
Sample : J4559-06 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RA-081718-SSW-115-050

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082318\
Data File : BF108436.D
Acq On : 23 Aug 2018 22:21
Operator : JU/SJ
Sample : J4559-06 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RA-081718-SSW-115-050

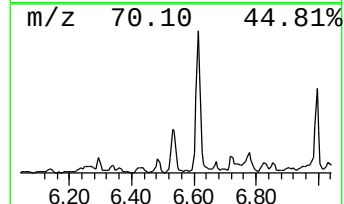
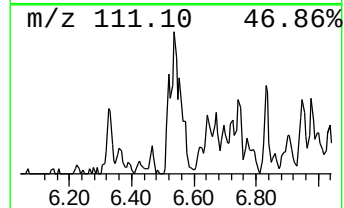
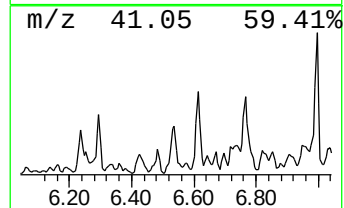
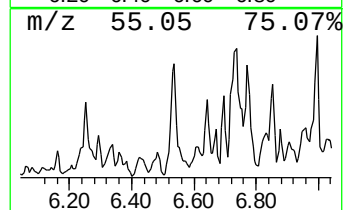
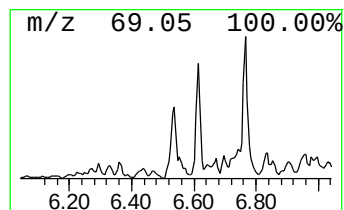
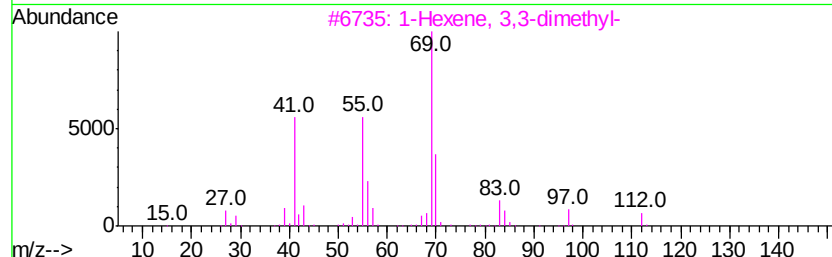
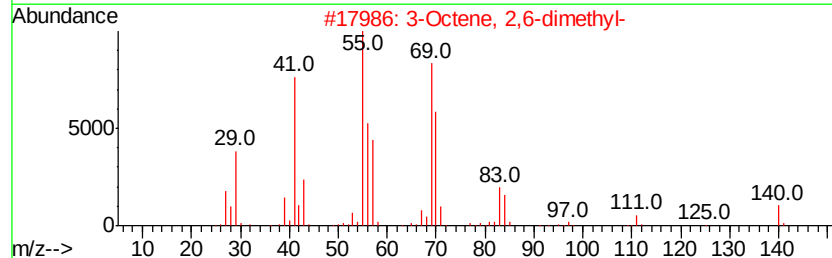
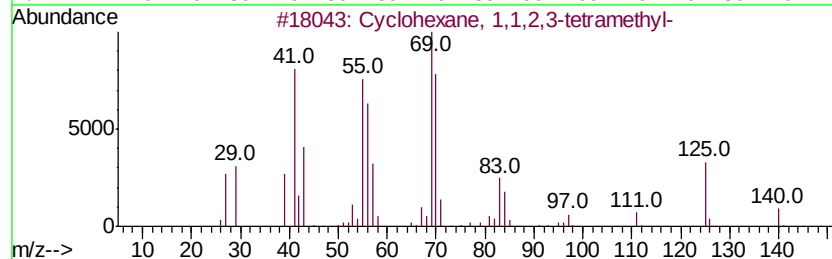
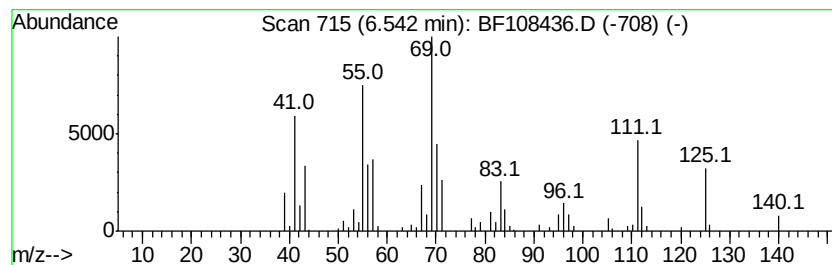
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Cyclohexane, 1,1,2,3-tetram... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.54	5.63 ng	426936	1,4-Dichlorobenzene-d4	7.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	81
2		3-Octene, 2,6-dimethyl-	140	C10H20	006874-28-8	50
3		1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	49
4		1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	46
5		3-Heptene, 2-methyl-	112	C8H16	017618-76-7	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082318\
Data File : BF108436.D
Acq On : 23 Aug 2018 22:21
Operator : JU/SJ
Sample : J4559-06 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RA-081718-SSW-115-050

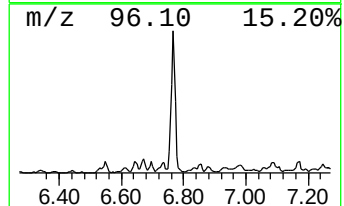
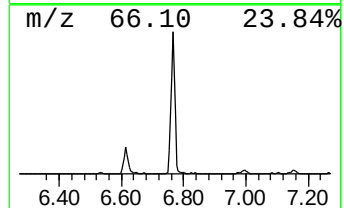
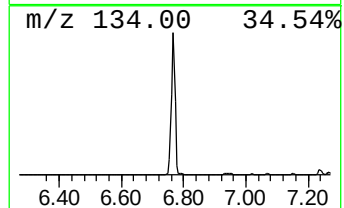
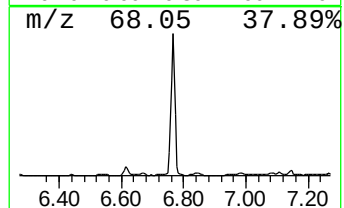
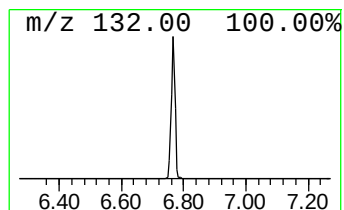
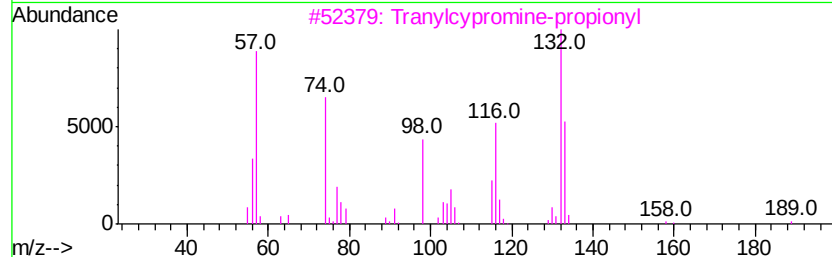
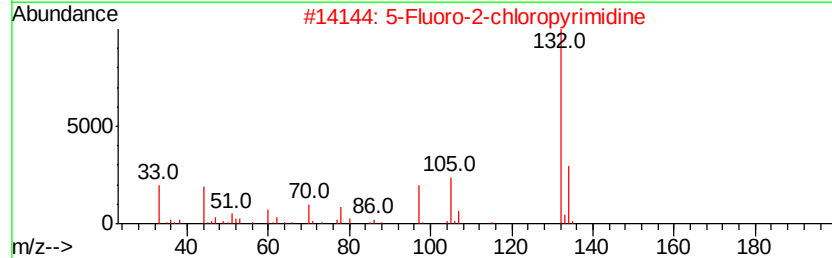
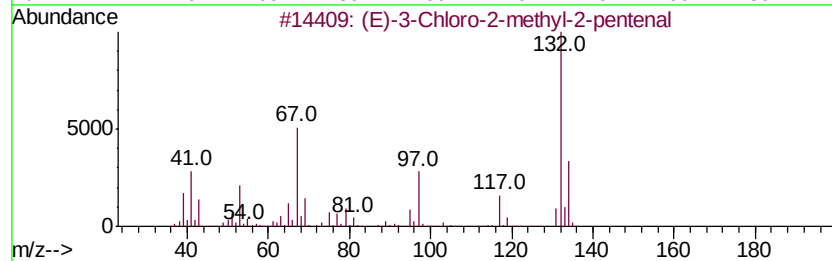
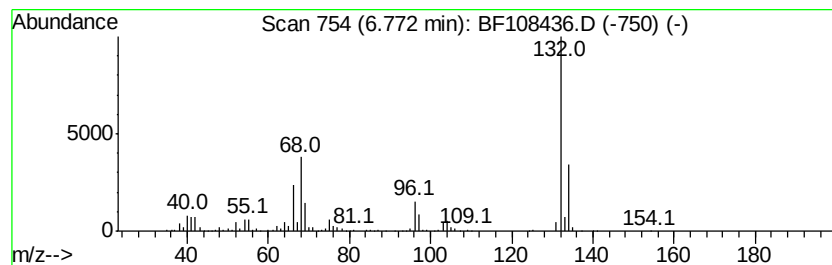
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown6.77 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.77	19.97 ng	1513820	1,4-Dichlorobenzene-d4	7.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
2		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
3		Tranvlcyproline-propionyl	189	C12H15NO	1000123-86-3	10
4		Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9
5		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082318\
Data File : BF108436.D
Acq On : 23 Aug 2018 22:21
Operator : JU/SJ
Sample : J4559-06 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RA-081718-SSW-115-050

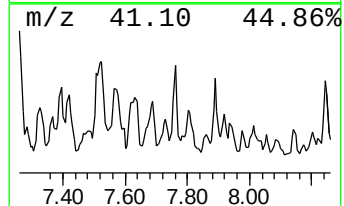
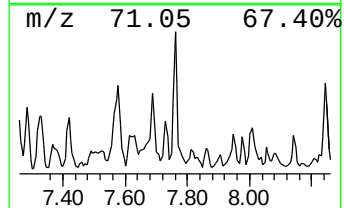
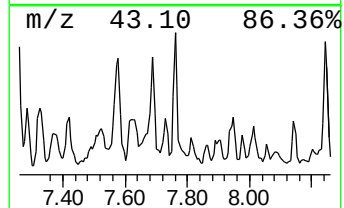
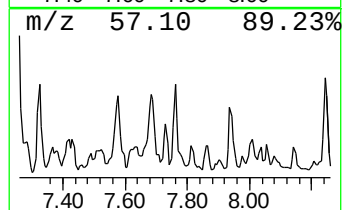
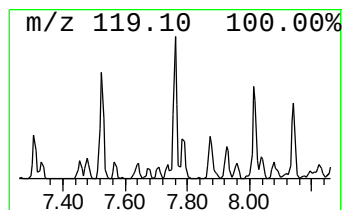
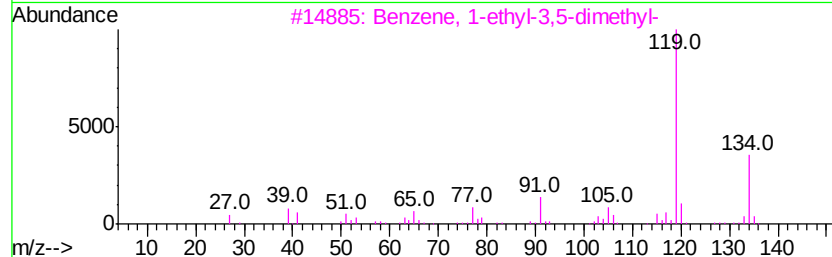
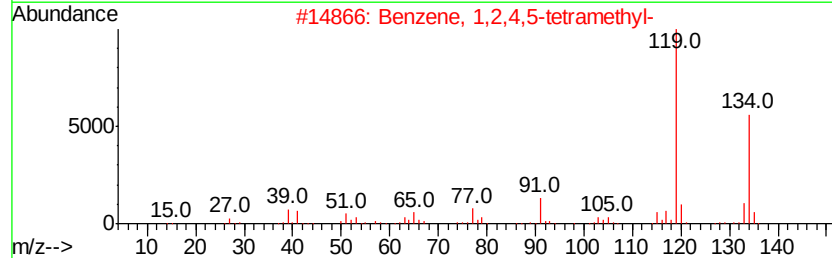
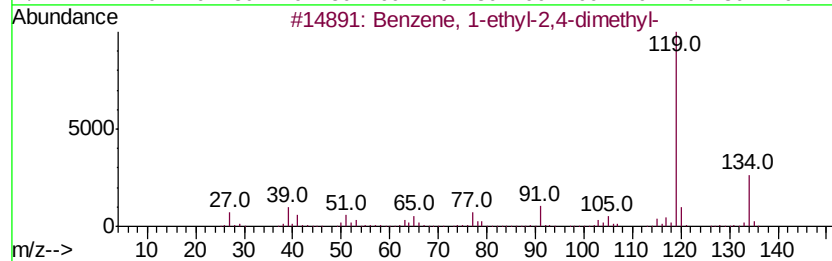
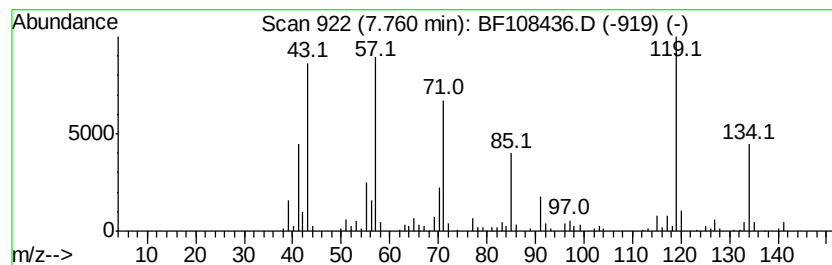
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.76	4.72 ng	265550	Napthalene-d8	8.28

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	50
2		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	50
3		Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	50
4		Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	50
5		p-Cymene	134	C10H14	000099-87-6	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082318\
Data File : BF108436.D
Acq On : 23 Aug 2018 22:21
Operator : JU/SJ
Sample : J4559-06 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

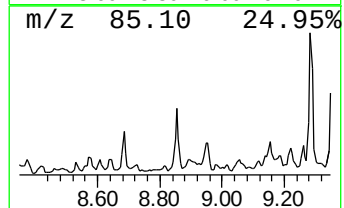
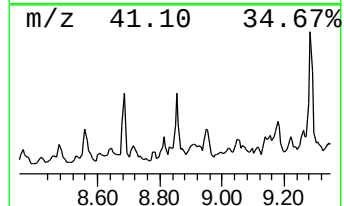
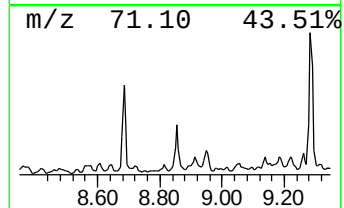
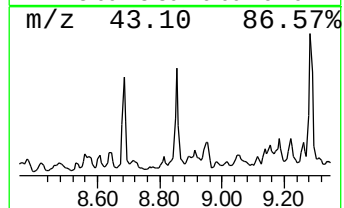
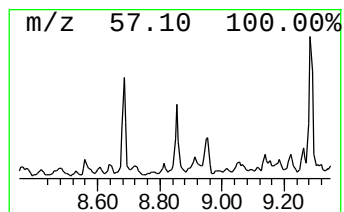
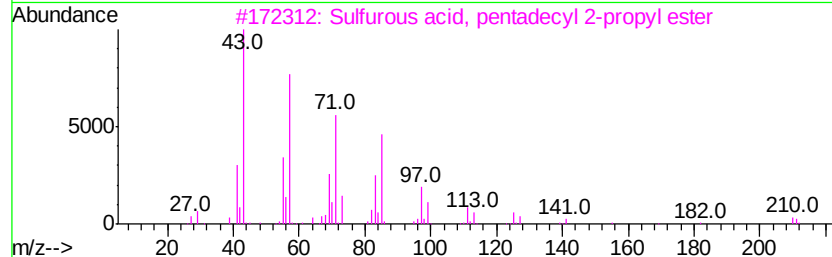
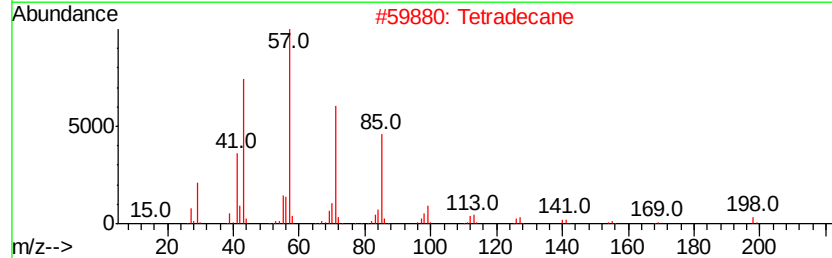
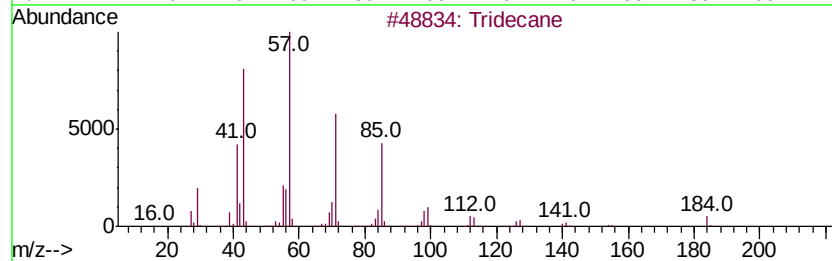
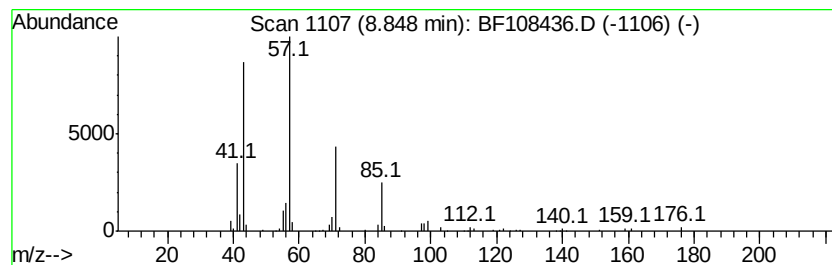
Instrument :
BNA_F
ClientSampleId :
RA-081718-SSW-115-050

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Tridecane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.85	4.89 ng	275259	Napthalene-d8	8.28
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Tridecane		184 C13H28	000629-50-5 87
2	Tetradecane		198 C14H30	000629-59-4 78
3	Sulfurous acid, pentadecyl 2-pro...		334 C18H38O3S	1000309-12-6 72
4	Tridecane, 6-methyl-		198 C14H30	013287-21-3 64
5	Undecane, 2-methyl-		170 C12H26	007045-71-8 64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082318\
Data File : BF108436.D
Acq On : 23 Aug 2018 22:21
Operator : JU/SJ
Sample : J4559-06 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RA-081718-SSW-115-050

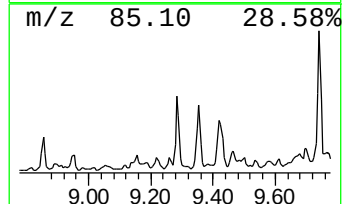
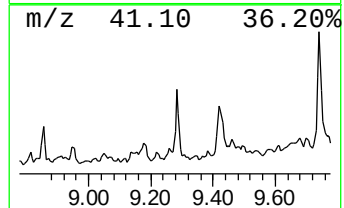
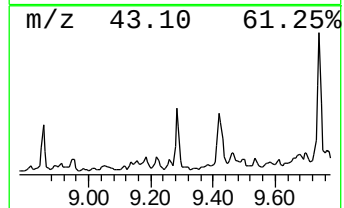
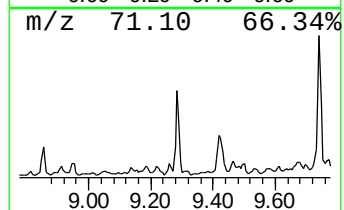
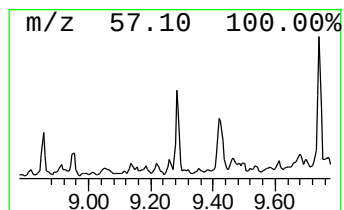
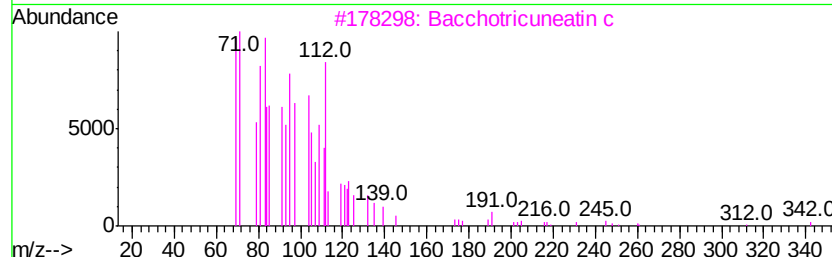
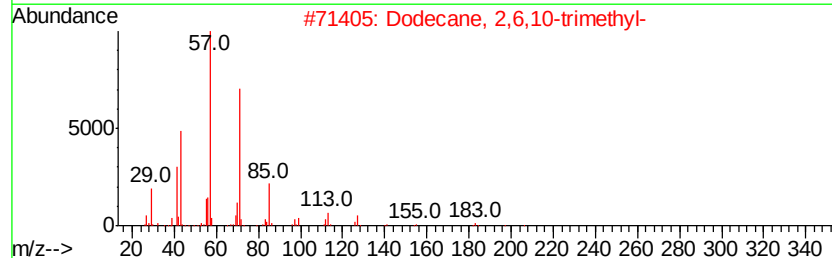
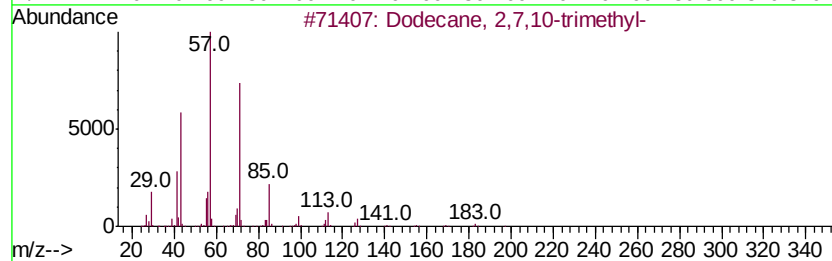
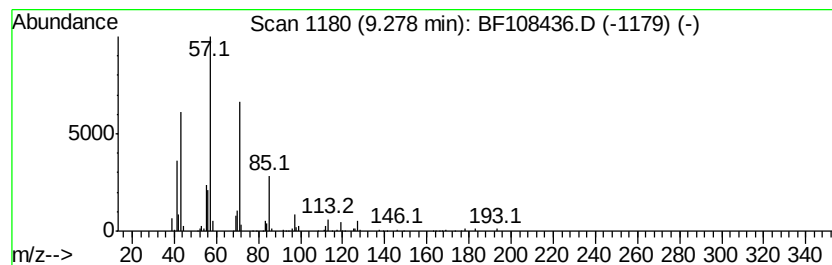
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Dodecane, 2,7,10-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.28	4.82 ng	393230	Acenaphthene-d10	10.04

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	64
3		Bacchotricuneatin c	342	C20H22O5	066563-30-2	64
4		Octane, 2,3,7-trimethyl-	156	C11H24	062016-34-6	59
5		Octane, 3-ethyl-2,7-dimethyl-	170	C12H26	062183-55-5	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082318\
Data File : BF108436.D
Acq On : 23 Aug 2018 22:21
Operator : JU/SJ
Sample : J4559-06 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RA-081718-SSW-115-050

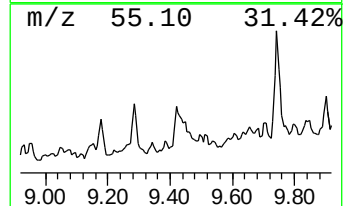
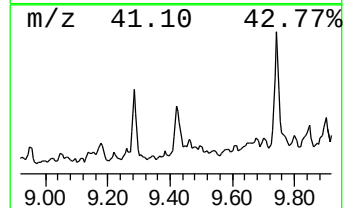
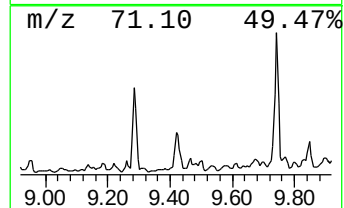
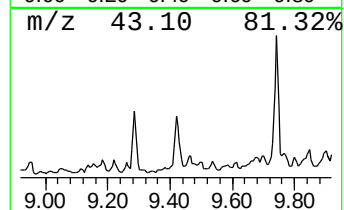
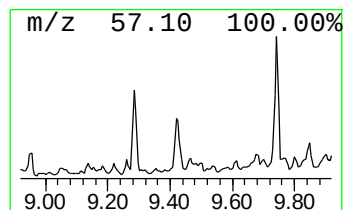
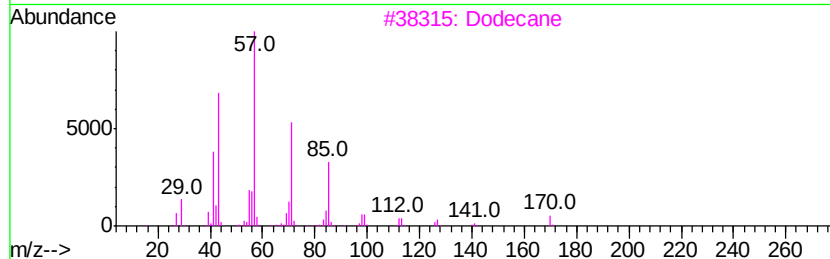
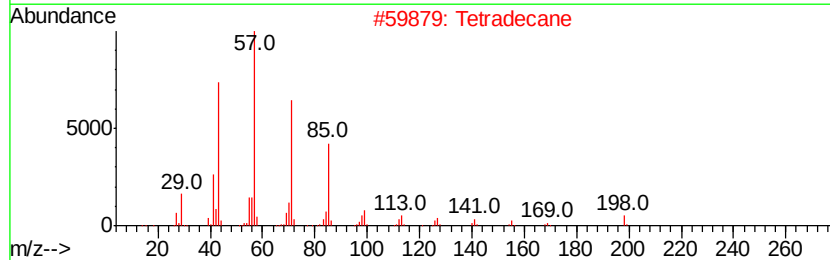
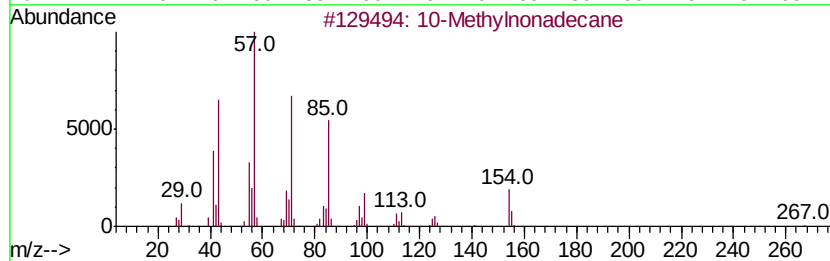
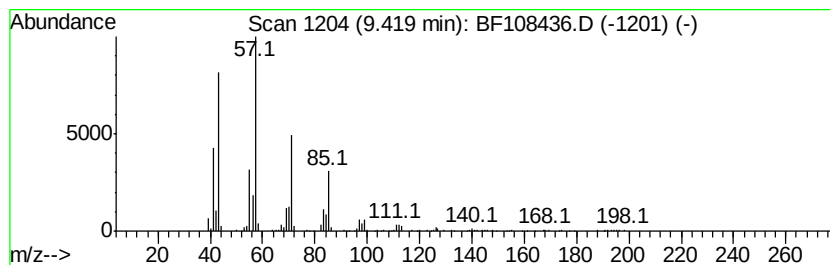
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 10-Methylnonadecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.42	6.10 ng	497649	Acenaphthene-d10	10.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	10-Methylnonadecane	282	C20H42	056862-62-5	83
2		Tetradecane	198	C14H30	000629-59-4	81
3		Dodecane	170	C12H26	000112-40-3	72
4		Tridecane	184	C13H28	000629-50-5	72
5		Tridecane, 6-methyl-	198	C14H30	013287-21-3	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082318\
Data File : BF108436.D
Acq On : 23 Aug 2018 22:21
Operator : JU/SJ
Sample : J4559-06 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

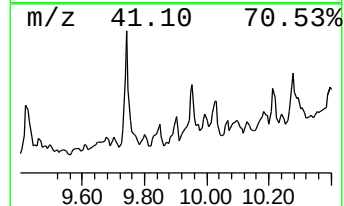
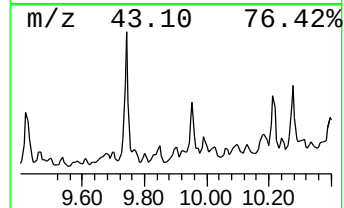
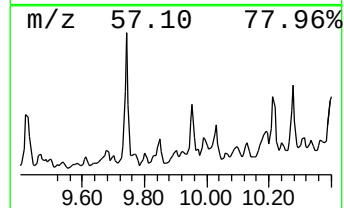
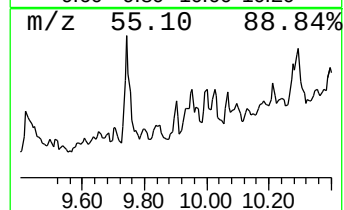
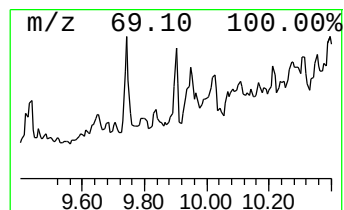
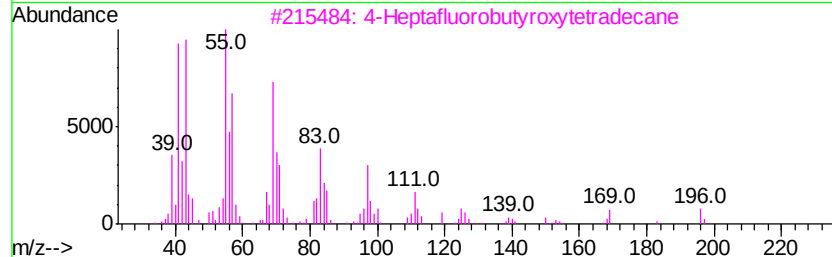
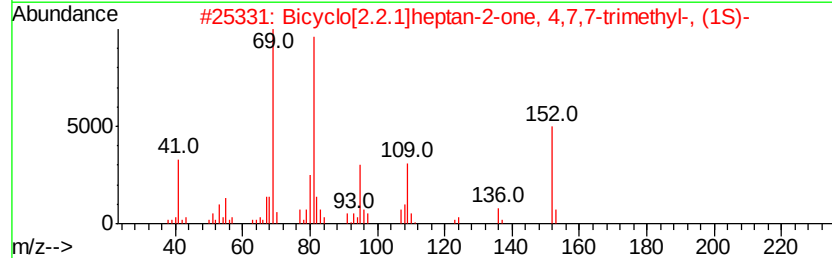
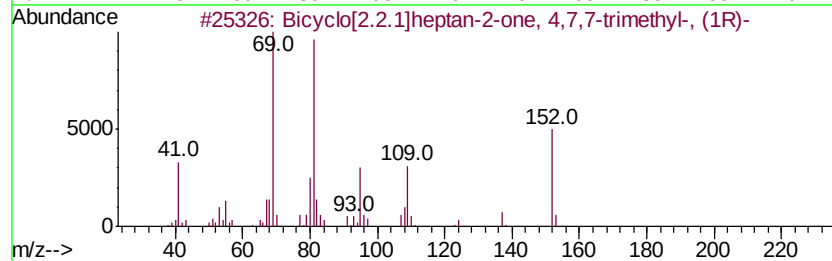
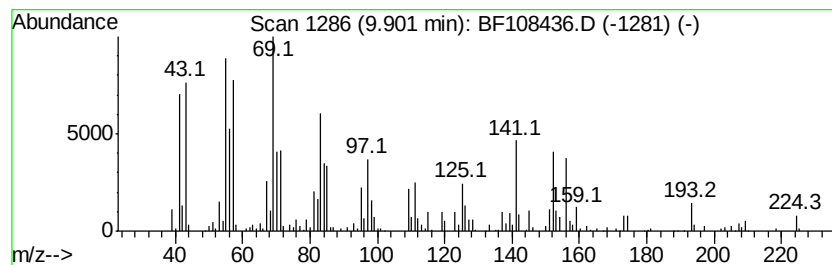
Instrument :
BNA_F
ClientSampleId :
RA-081718-SSW-115-050

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 unknown9.90 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.90	4.29 ng	350142	Acenaphthene-d10	10.04
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Bicyclo[2.2.1]heptan-2-one, 4,7,...	152 C10H16O	013854-85-8 49
2		Bicyclo[2.2.1]heptan-2-one, 4,7,...	152 C10H16O	010292-98-5 49
3		4-Heptafluorobutyroxvtetradecane	410 C18H29F7O2	1000245-49-9 41
4		2,6-Dodecadien-1-ol, 3,7,11-trim...	224 C15H28O	020576-56-1 38
5		4-Trifluoroacetoxyhexadecane	338 C18H33F3O2	1000215-97-5 38



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082318\
Data File : BF108436.D
Acq On : 23 Aug 2018 22:21
Operator : JU/SJ
Sample : J4559-06 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RA-081718-SSW-115-050

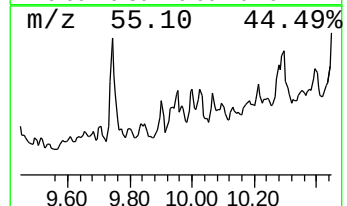
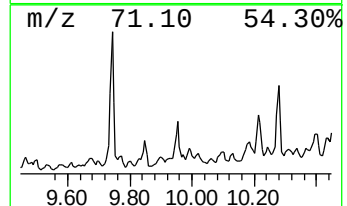
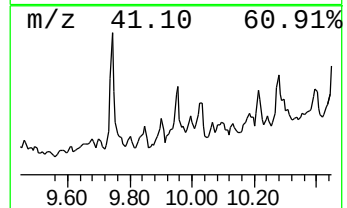
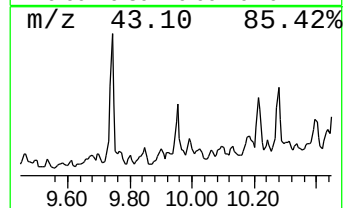
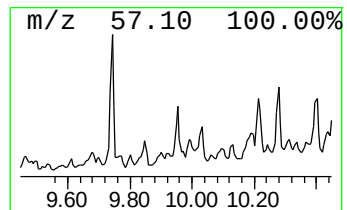
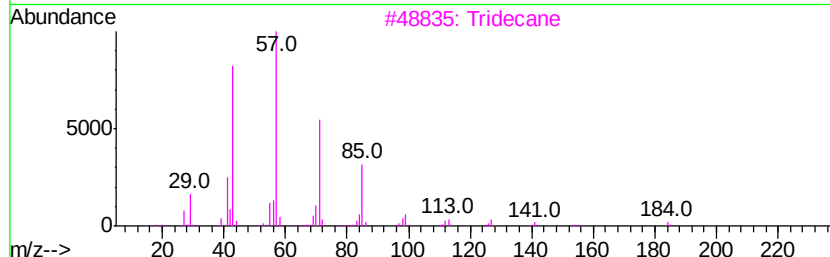
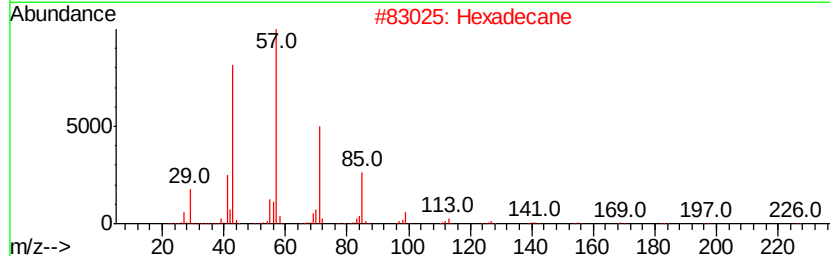
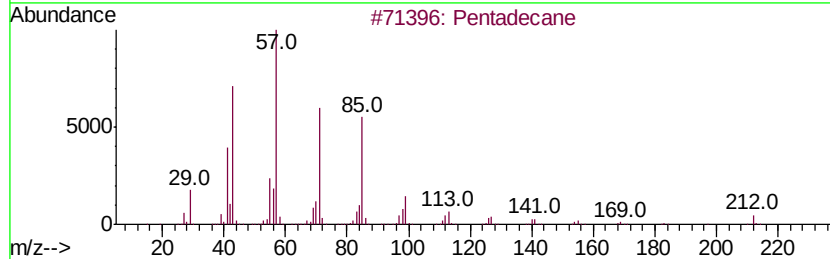
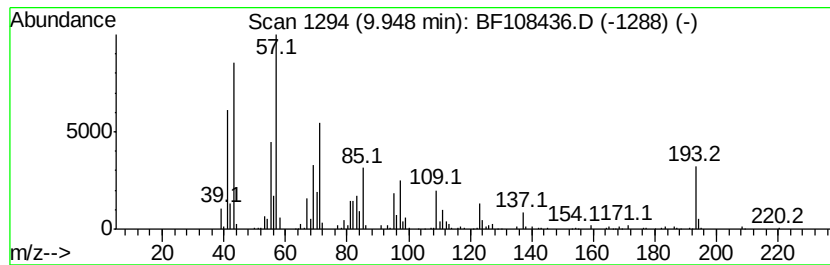
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Pentadecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.95	7.66 ng	624894	Acenaphthene-d10	10.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecane	212	C15H32	000629-62-9	64
2		Hexadecane	226	C16H34	000544-76-3	52
3		Tridecane	184	C13H28	000629-50-5	49
4		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	49
5		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	49



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082318\
Data File : BF108436.D
Acq On : 23 Aug 2018 22:21
Operator : JU/SJ
Sample : J4559-06 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

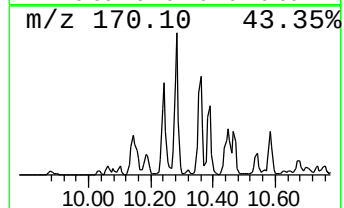
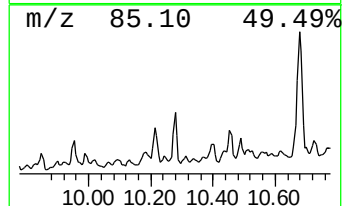
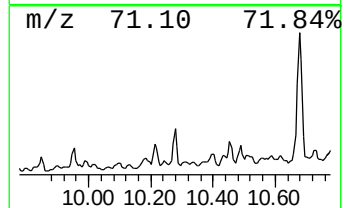
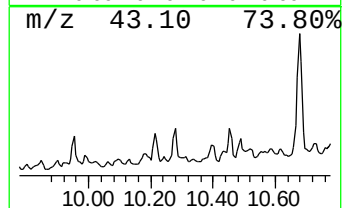
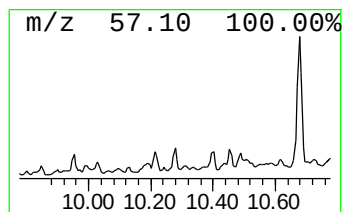
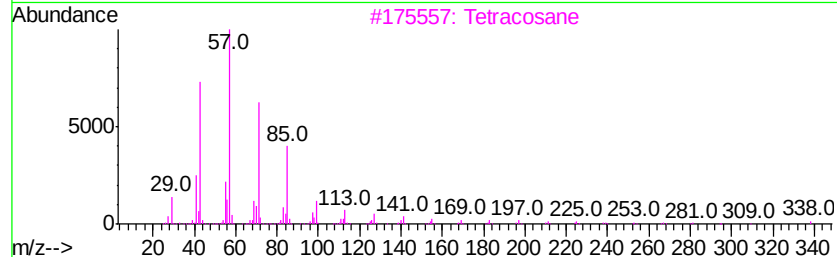
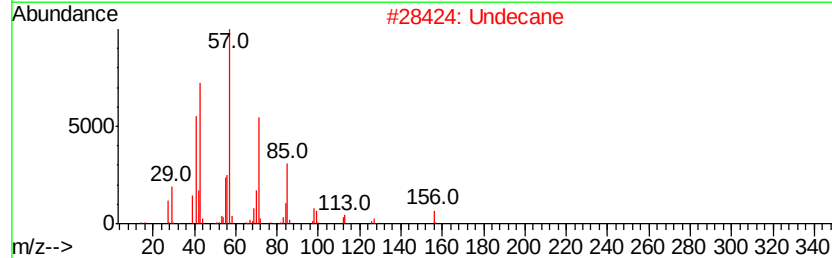
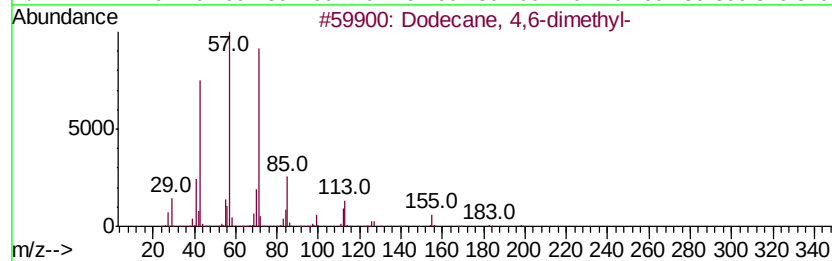
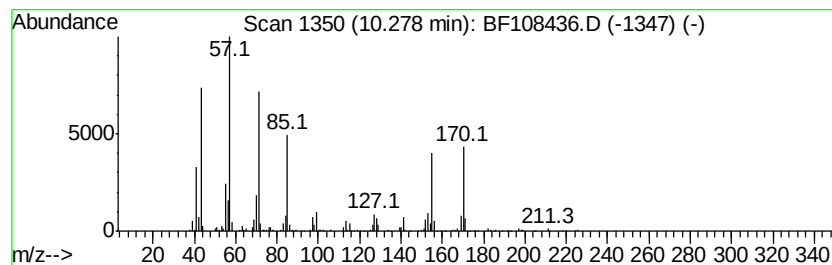
Instrument :
BNA_F
ClientSampleId :
RA-081718-SSW-115-050

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 unknown10.28 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD		R.T.
10.28	10.38 ng	847558	Acenaphthene-d10		10.04
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	46
2	Undecane	156	C11H24	001120-21-4	43
3	Tetracosane	338	C24H50	000646-31-1	38
4	Decane, 2,3,6-trimethyl-	184	C13H28	062238-12-4	38
5	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082318\
Data File : BF108436.D
Acq On : 23 Aug 2018 22:21
Operator : JU/SJ
Sample : J4559-06 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

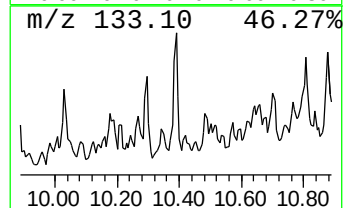
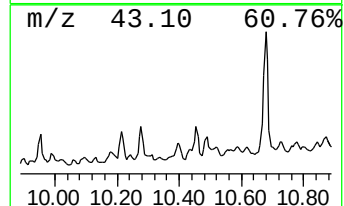
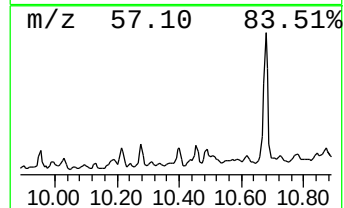
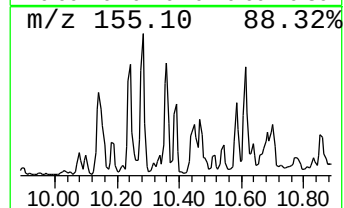
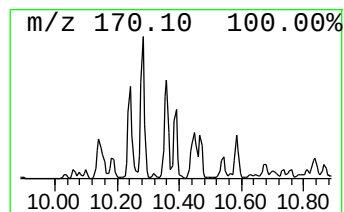
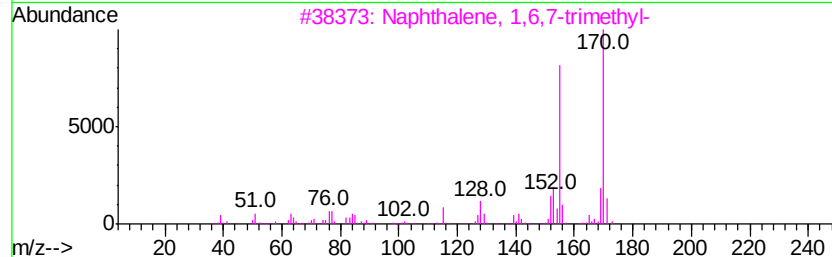
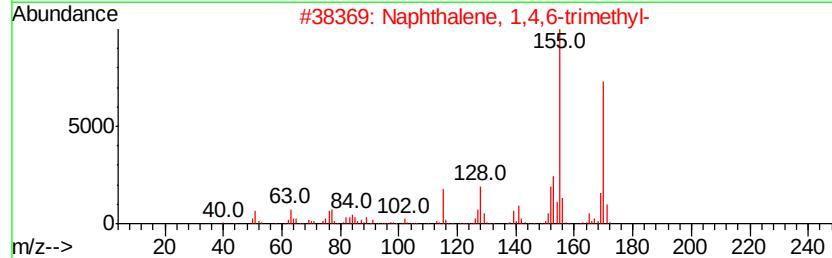
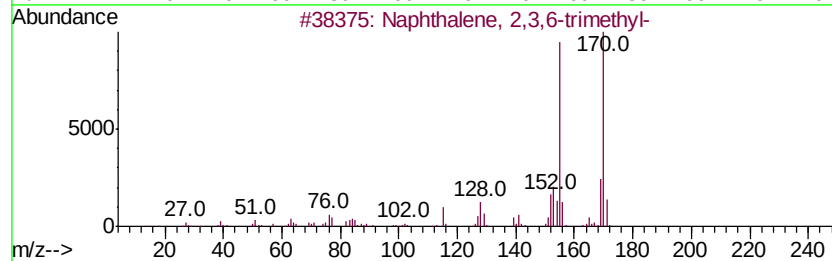
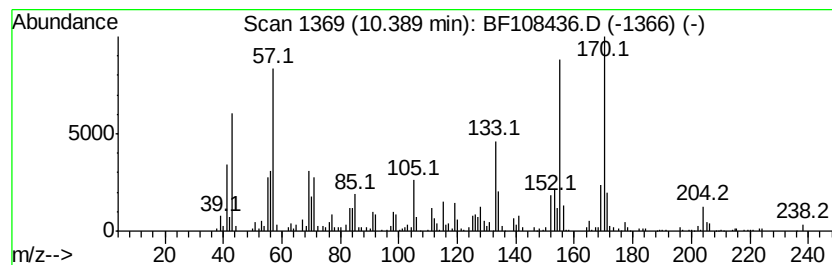
Instrument :
BNA_F
ClientSampleId :
RA-081718-SSW-115-050

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Naphthalene, 2,3,6-trimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD		R.T.
10.39	6.34 ng	517232	Acenaphthene-d10		10.04
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	86
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082318\
Data File : BF108436.D
Acq On : 23 Aug 2018 22:21
Operator : JU/SJ
Sample : J4559-06 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

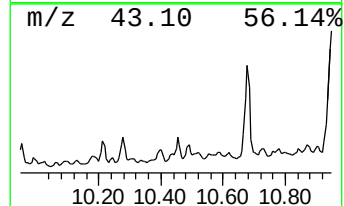
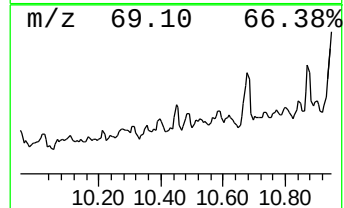
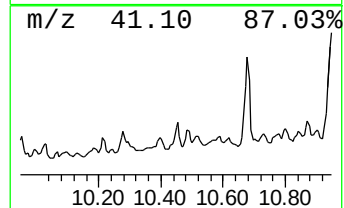
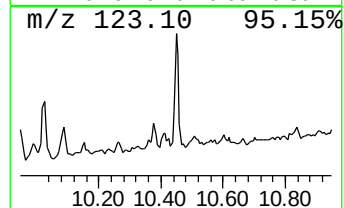
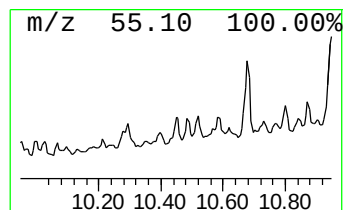
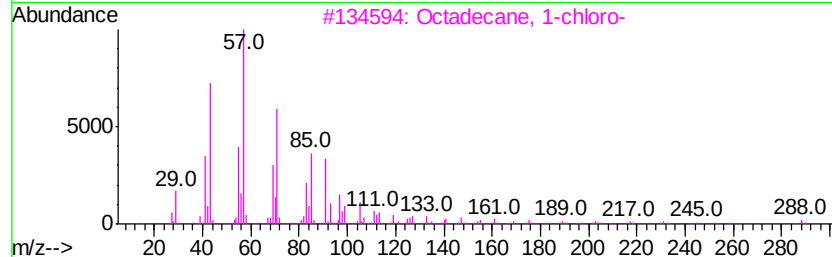
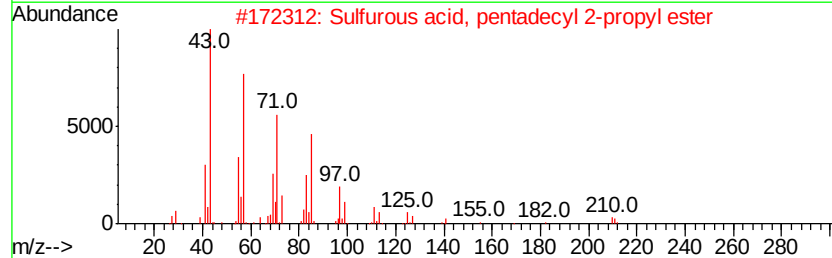
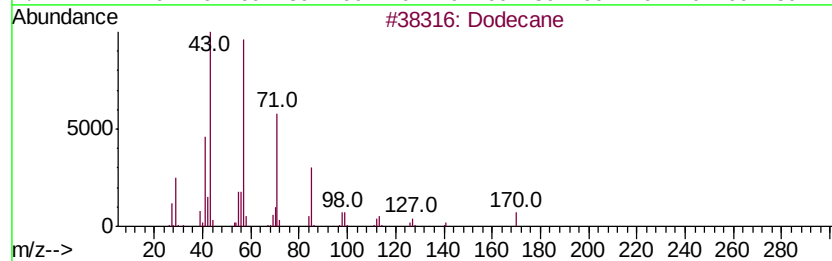
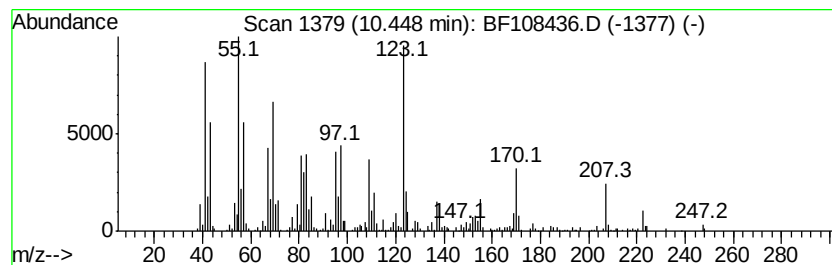
Instrument :
BNA_F
ClientSampleId :
RA-081718-SSW-115-050

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Dodecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.45	5.86 ng	478480	Acenaphthene-d10	10.04	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	83
2	Sulfurous acid, pentadecyl 2-pro...	334	C18H38O3S	1000309-12-6	46
3	Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	43
4	Pentadecane, 1-bromo-	290	C15H31Br	000629-72-1	43
5	Sulfurous acid, 2-propyl tridecy...	306	C16H34O3S	1000309-12-4	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082318\
Data File : BF108436.D
Acq On : 23 Aug 2018 22:21
Operator : JU/SJ
Sample : J4559-06 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

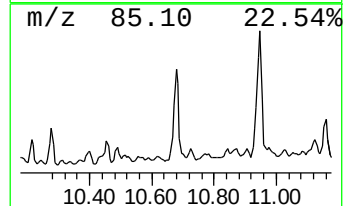
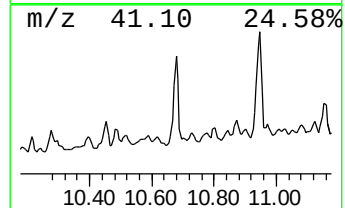
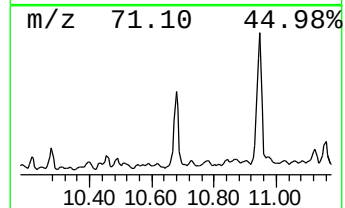
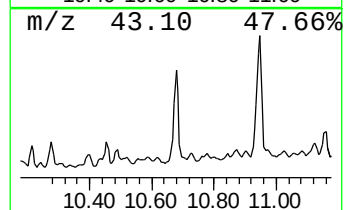
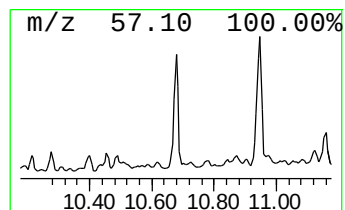
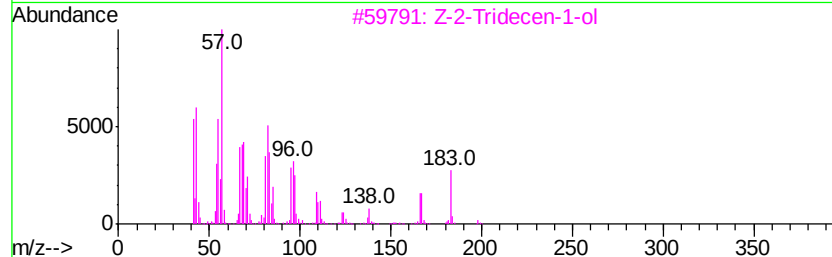
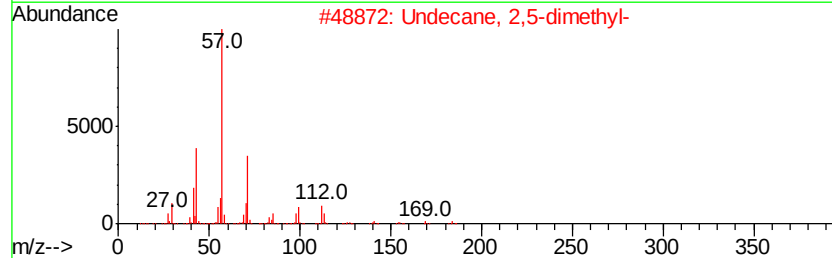
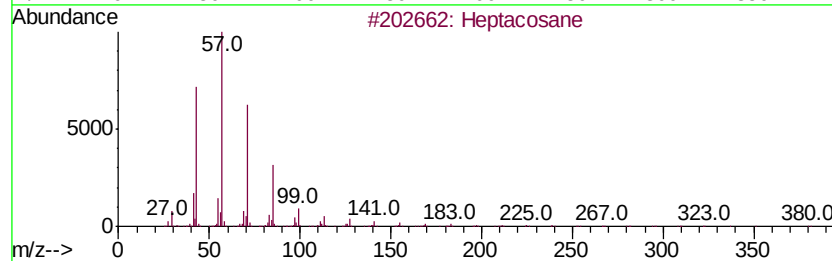
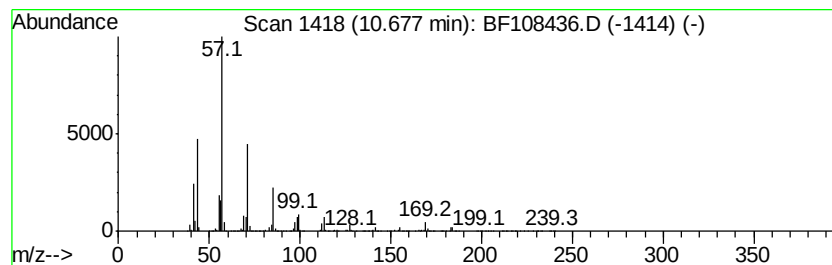
Instrument :
BNA_F
ClientSampleId :
RA-081718-SSW-115-050

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Heptacosane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.68	27.49 ng	2244010	Acenaphthene-d10	10.04
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Heptacosane	380 C27H56	000593-49-7	80
2	Undecane, 2,5-dimethyl-	184 C13H28	017301-22-3	76
3	Z-2-Tridecen-1-ol	198 C13H26O	1000130-75-8	74
4	Octacosane	394 C28H58	000630-02-4	64
5	Tridecane	184 C13H28	000629-50-5	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082318\
Data File : BF108436.D
Acq On : 23 Aug 2018 22:21
Operator : JU/SJ
Sample : J4559-06 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

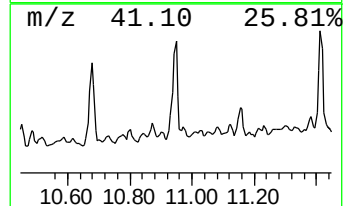
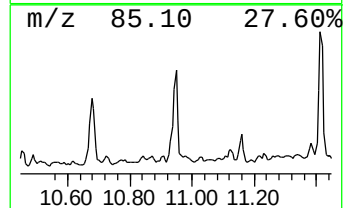
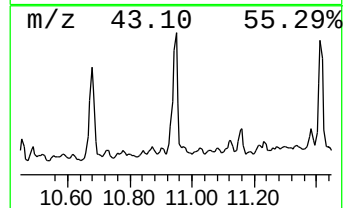
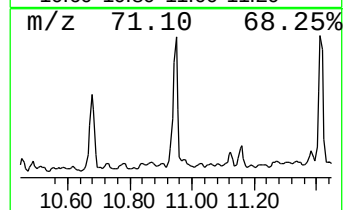
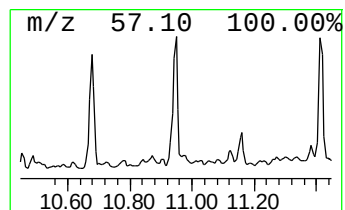
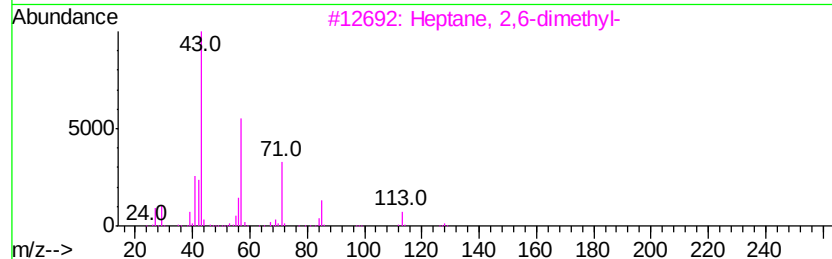
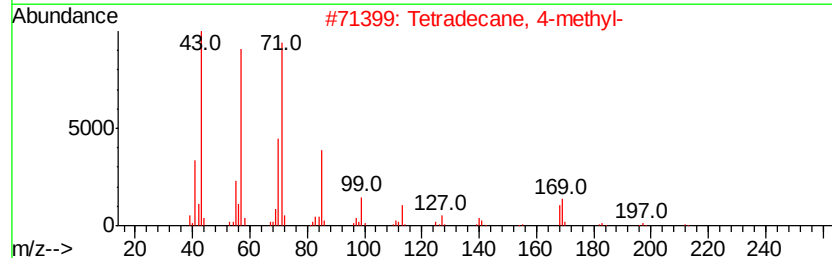
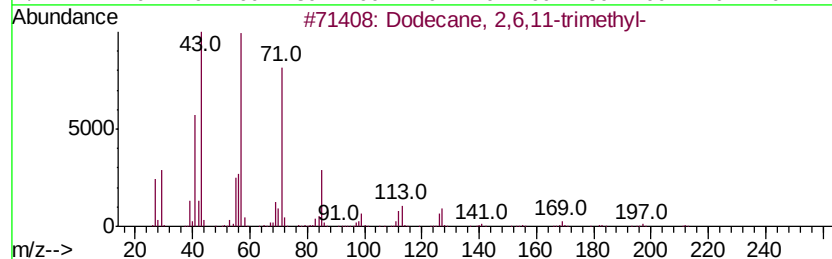
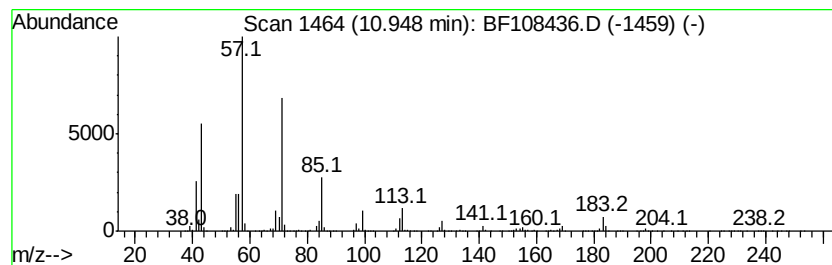
Instrument :
BNA_F
ClientSampleId :
RA-081718-SSW-115-050

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Dodecane, 2,6,11-trimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD		R.T.	
10.95	99.72 ng	3237500	Phenanthrene-d10		11.54	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,11-trimethyl-		212	C15H32	031295-56-4	91
2	Tetradecane, 4-methyl-		212	C15H32	025117-24-2	76
3	Heptane, 2,6-dimethyl-		128	C9H20	001072-05-5	74
4	Tridecane		184	C13H28	000629-50-5	72
5	Undecane, 2,6-dimethyl-		184	C13H28	017301-23-4	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082318\
Data File : BF108436.D
Acq On : 23 Aug 2018 22:21
Operator : JU/SJ
Sample : J4559-06 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RA-081718-SSW-115-050

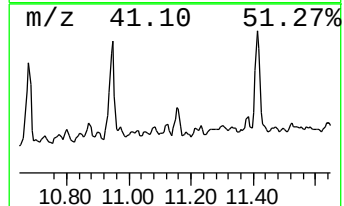
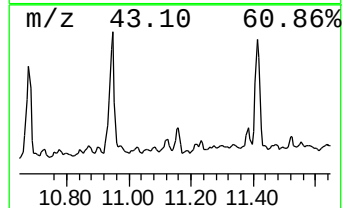
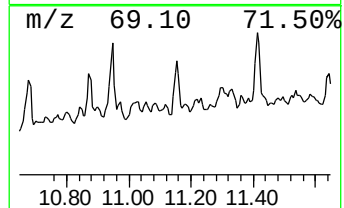
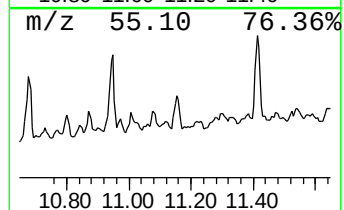
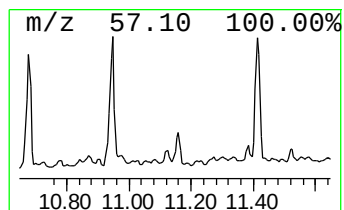
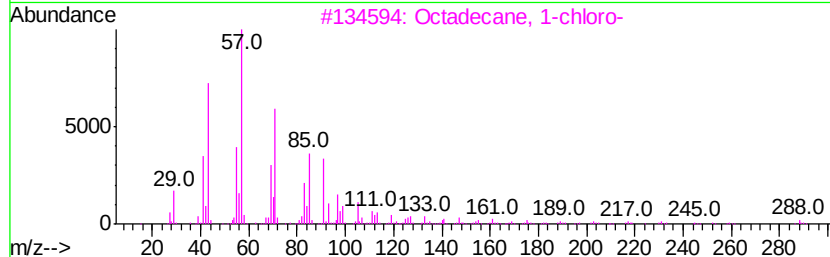
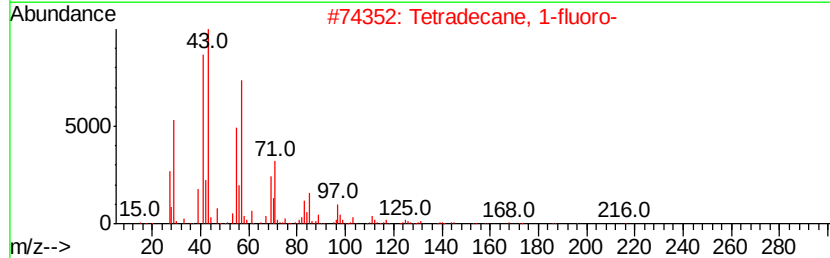
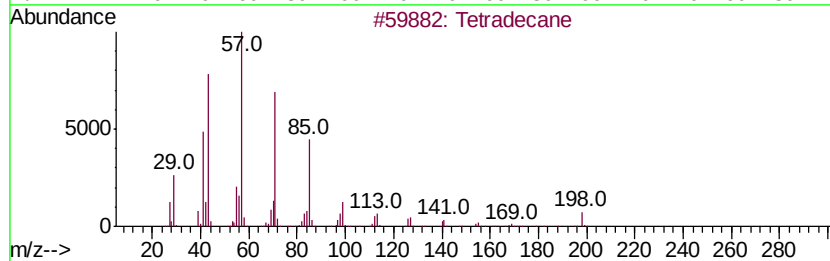
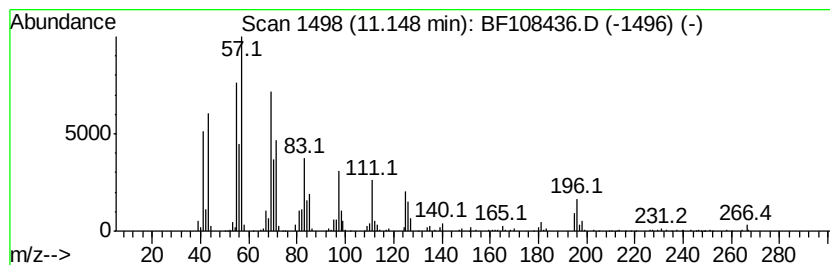
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Tetradecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.15	22.76 ng	738858	Phenanthrene-d10	11.54

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tetradecane	198	C14H30	000629-59-4	87
2		Tetradecane, 1-fluoro-	216	C14H29F	000593-33-9	62
3		Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	58
4		Dodecane, 5,8-diethyl-	226	C16H34	024251-86-3	53
5		Decane	142	C10H22	000124-18-5	52



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082318\
Data File : BF108436.D
Acq On : 23 Aug 2018 22:21
Operator : JU/SJ
Sample : J4559-06 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

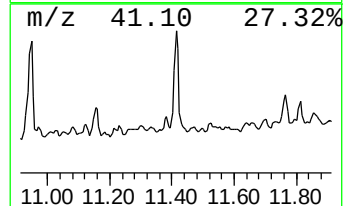
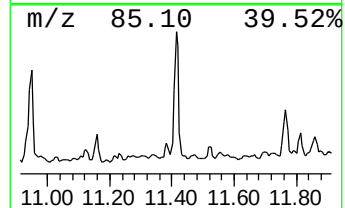
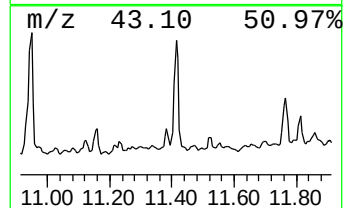
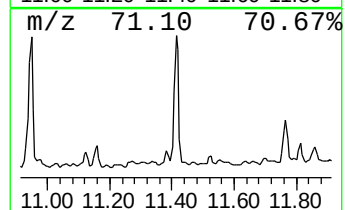
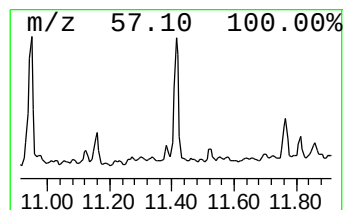
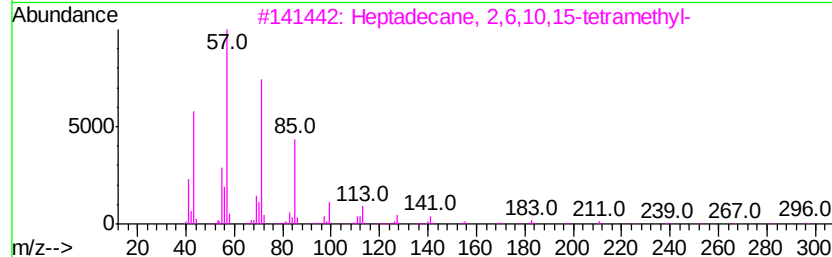
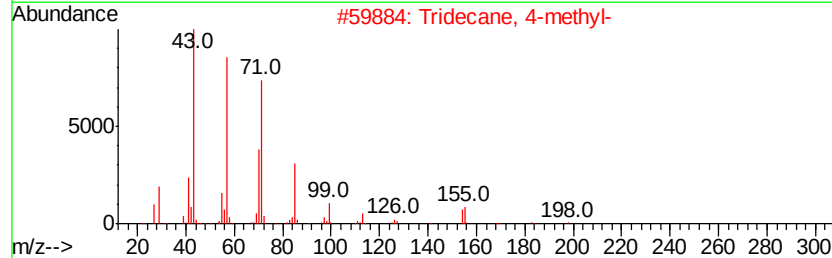
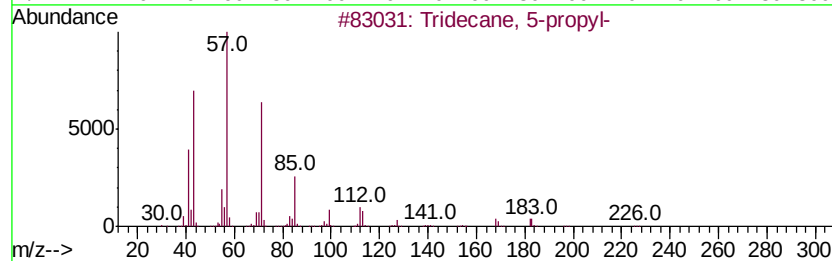
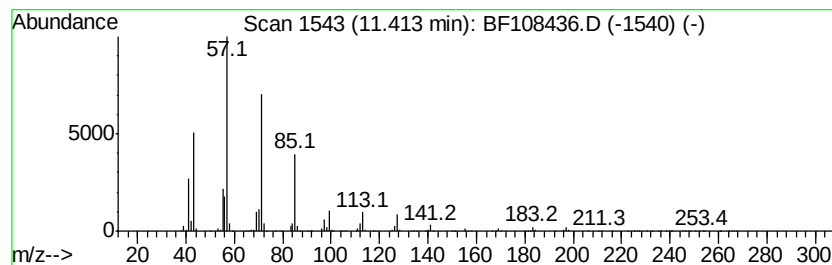
Instrument :
BNA_F
ClientSampleId :
RA-081718-SSW-115-050

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Tridecane, 5-propyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.41	79.45 ng	2579360	Phenanthrene-d10		11.54
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 5-propyl-	226	C16H34	055045-11-9	91
2	Tridecane, 4-methyl-	198	C14H30	026730-12-1	91
3	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	91
4	Dodecane	170	C12H26	000112-40-3	90
5	Heptacosane	380	C27H56	000593-49-7	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082318\
Data File : BF108436.D
Acq On : 23 Aug 2018 22:21
Operator : JU/SJ
Sample : J4559-06 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RA-081718-SSW-115-050

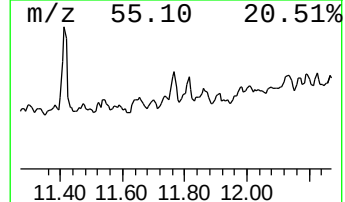
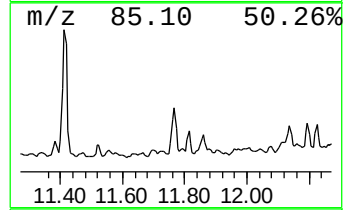
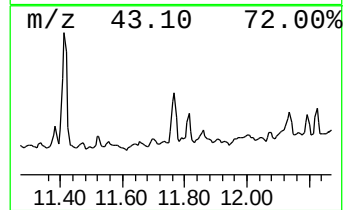
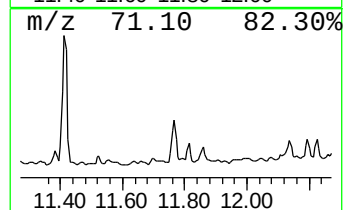
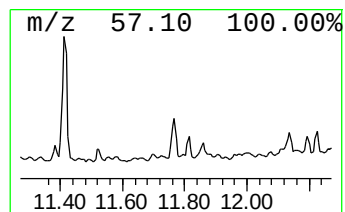
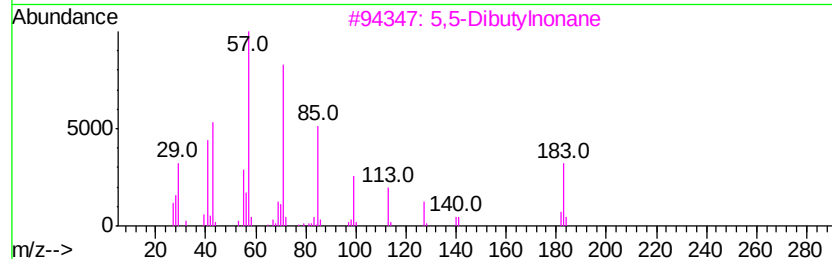
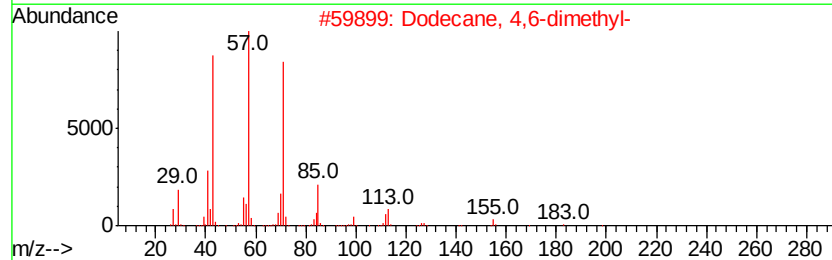
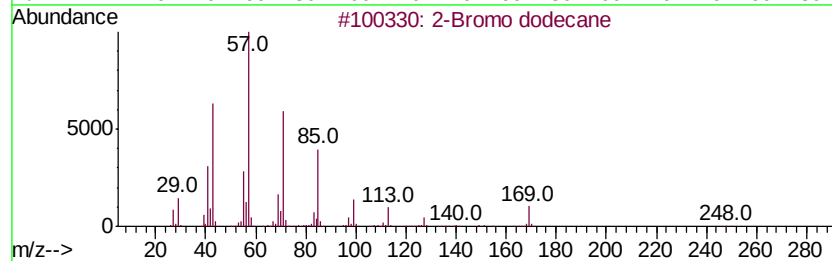
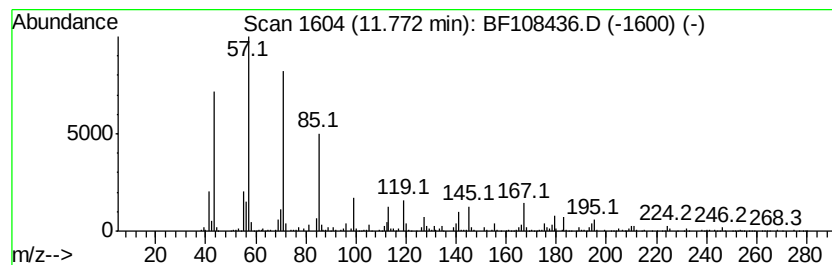
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 2-Bromo dodecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	29.86 ng	969382	Phenanthrene-d10	11.54

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Bromo dodecane	248	C12H25Br	013187-99-0	91
2		Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	87
3		5,5-Dibutylnonane	240	C17H36	006008-17-9	87
4		Octacosane	394	C28H58	000630-02-4	86
5		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082318\
Data File : BF108436.D
Acq On : 23 Aug 2018 22:21
Operator : JU/SJ
Sample : J4559-06 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RA-081718-SSW-115-050

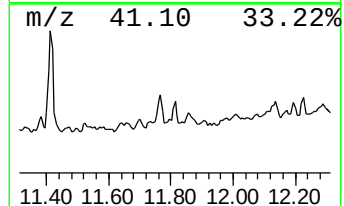
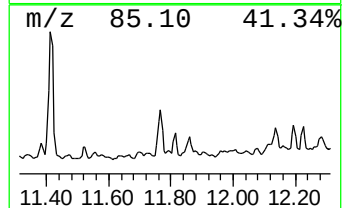
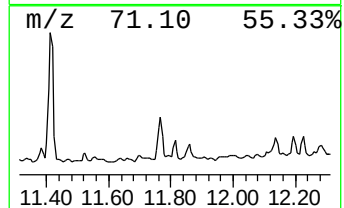
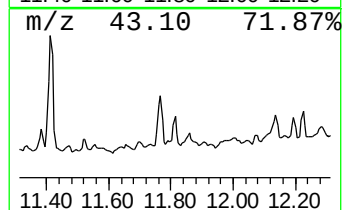
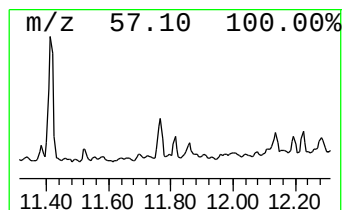
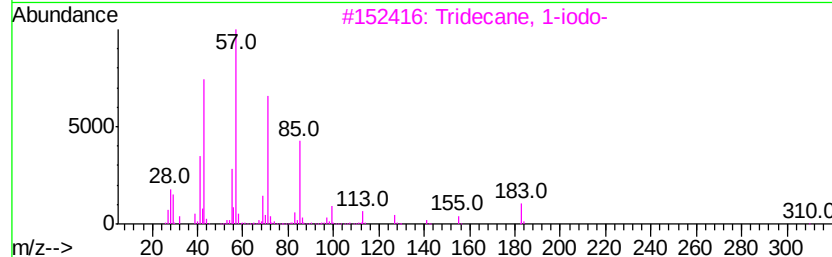
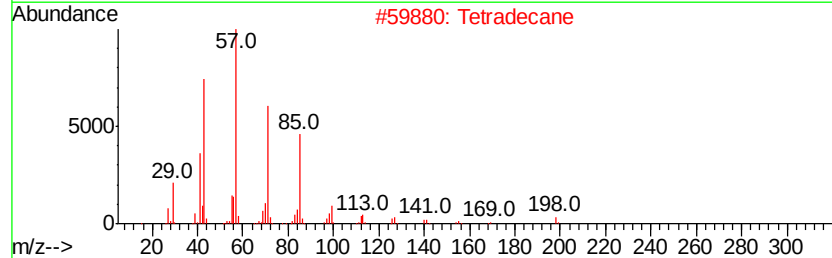
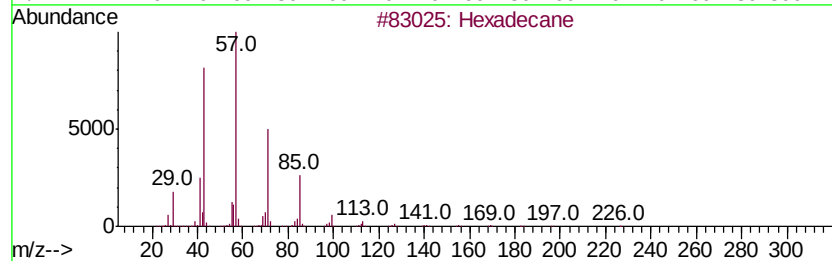
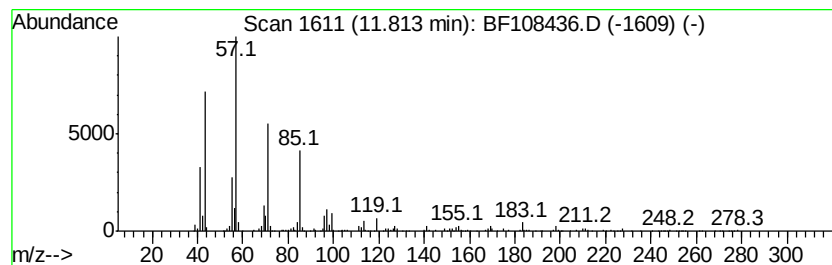
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Sulfurous acid, 2-propyl tr... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.81	14.11 ng	458228	Phenanthrene-d10	11.54

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane	226	C16H34	000544-76-3	93
2		Tetradecane	198	C14H30	000629-59-4	90
3		Tridecane, 1-iodo-	310	C13H27I	035599-77-0	80
4		Heptacosane	380	C27H56	000593-49-7	72
5		Sulfurous acid, 2-propyl tridecy...	306	C16H34O3S	1000309-12-4	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082318\
Data File : BF108436.D
Acq On : 23 Aug 2018 22:21
Operator : JU/SJ
Sample : J4559-06 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

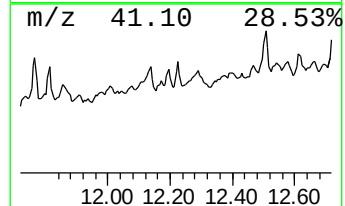
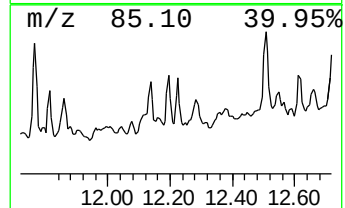
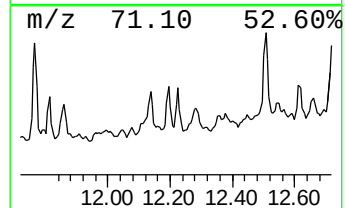
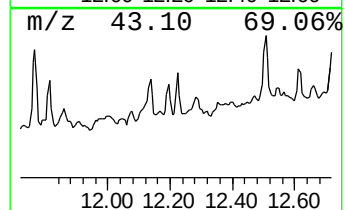
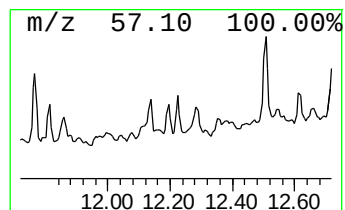
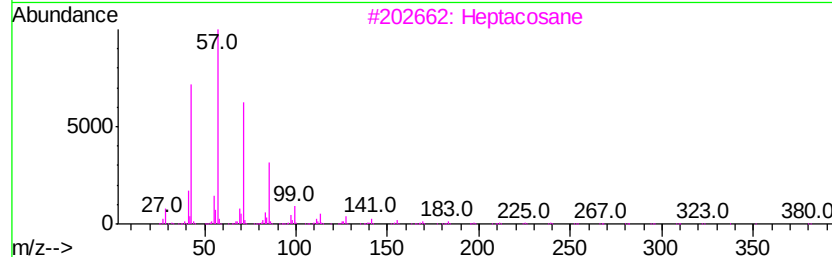
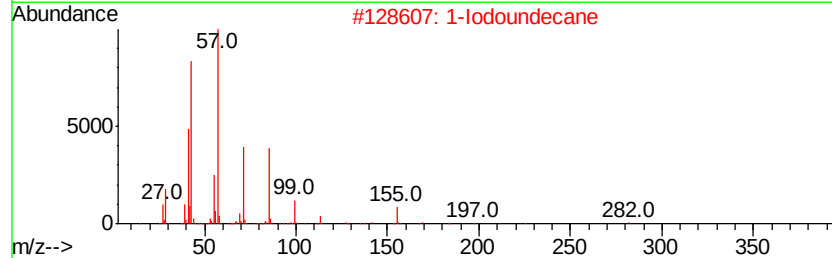
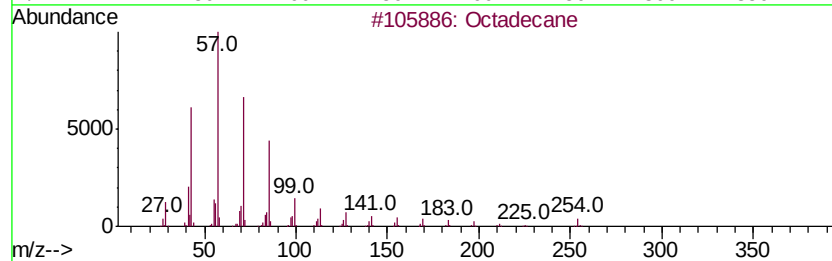
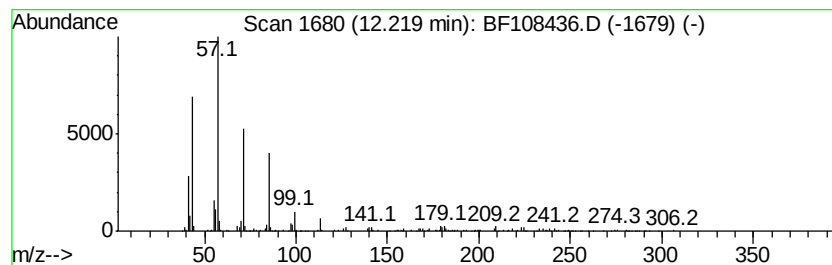
Instrument :
BNA_F
ClientSampleId :
RA-081718-SSW-115-050

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Octadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD		R.T.
12.22	10.84 ng	351987	Phenanthrene-d10		11.54
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	96
2	1-Iodoundecane	282	C11H23I	004282-44-4	91
3	Heptacosane	380	C27H56	000593-49-7	91
4	Heneicosane	296	C21H44	000629-94-7	87
5	Pentadecane	212	C15H32	000629-62-9	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082318\
Data File : BF108436.D
Acq On : 23 Aug 2018 22:21
Operator : JU/SJ
Sample : J4559-06 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RA-081718-SSW-115-050

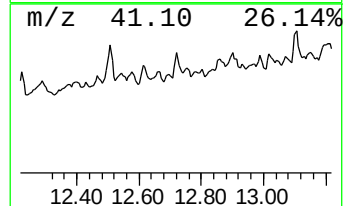
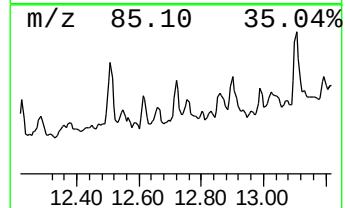
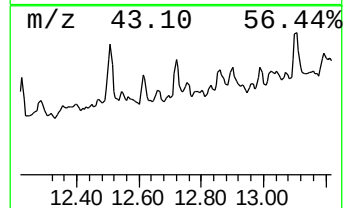
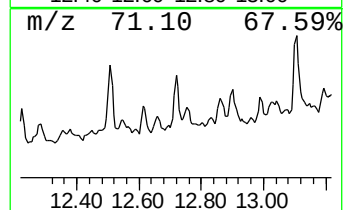
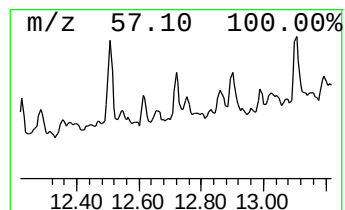
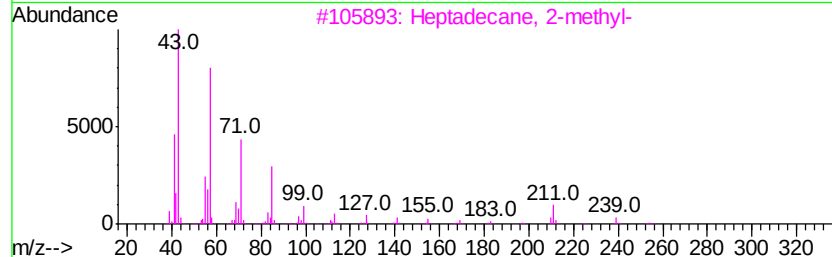
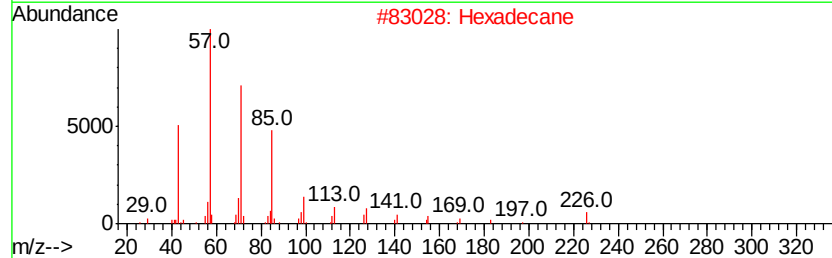
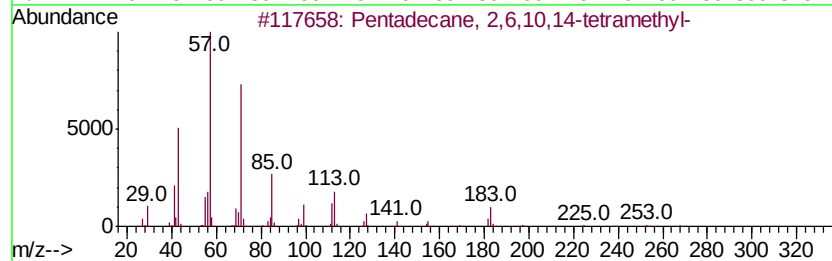
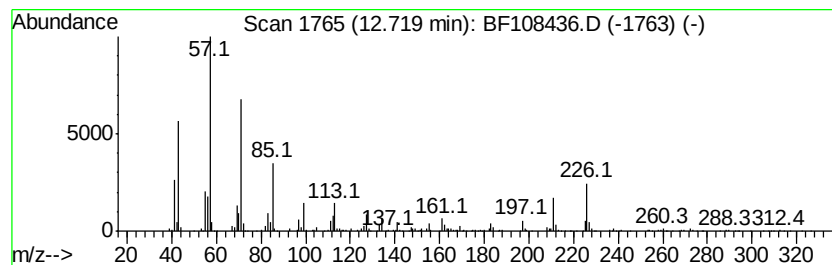
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Pentadecane, 2,6,10,14-tetr... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.72	21.03 ng	682902	Phenanthrene-d10	11.54

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	91
2		Hexadecane	226	C16H34	000544-76-3	80
3		Heptadecane, 2-methyl-	254	C18H38	001560-89-0	76
4		Pentadecane	212	C15H32	000629-62-9	70
5		Hexadecane, 4-methyl-	240	C17H36	025117-26-4	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082318\
 Data File : BF108436.D
 Acq On : 23 Aug 2018 22:21
 Operator : JU/SJ
 Sample : J4559-06 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RA-081718-SSW-115-050

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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
Cyclohexane, 1,1,...	6.54	5.6 ng		426936	1	7.00	1516110	20.0
unknown6.77	6.77	20.0 ng		1513820	1	7.00	1516110	20.0
Benzene, 1-ethyl-...	7.76	4.7 ng		265550	2	8.28	1125050	20.0
Tridecane	8.85	4.9 ng		275259	2	8.28	1125050	20.0
Dodecane, 2,7,10-...	9.28	4.8 ng		393230	3	10.04	1632380	20.0
10-Methylnonadecane	9.42	6.1 ng		497649	3	10.04	1632380	20.0
unknown9.90	9.90	4.3 ng		350142	3	10.04	1632380	20.0
Pentadecane	9.95	7.7 ng		624894	3	10.04	1632380	20.0
unknown10.28	10.28	10.4 ng		847558	3	10.04	1632380	20.0
Naphthalene, 2,3,...	10.39	6.3 ng		517232	3	10.04	1632380	20.0
Dodecane	10.45	5.9 ng		478480	3	10.04	1632380	20.0
Heptacosane	10.68	27.5 ng		2244010	3	10.04	1632380	20.0
Dodecane, 2,6,11-...	10.95	99.7 ng		3237500	4	11.54	649318	20.0
Tetradecane	11.15	22.8 ng		738858	4	11.54	649318	20.0
Tridecane, 5-propyl-	11.41	79.5 ng		2579360	4	11.54	649318	20.0
2-Bromo dodecane	11.77	29.9 ng		969382	4	11.54	649318	20.0
Sulfurous acid, 2...	11.81	14.1 ng		458228	4	11.54	649318	20.0
Octadecane	12.22	10.8 ng		351987	4	11.54	649318	20.0
Pentadecane, 2,6,...	12.72	21.0 ng		682902	4	11.54	649318	20.0