

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
 Data File : BF112155.D
 Acq On : 21 Jan 2019 13:38
 Operator : JU/SJ
 Sample : K1102-03 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CPSB-02(15-20)

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-BF011619.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	5.481	574	577	586	rVB	898248	863201	13.06%	1.090%
2	6.010	664	667	672	rVB3	120205	153163	2.32%	0.193%
3	6.104	680	683	690	rVB3	276370	335857	5.08%	0.424%
4	6.298	710	716	719	rBV2	146935	188339	2.85%	0.238%
5	6.357	724	726	728	rVB	203511	149178	2.26%	0.188%
6	6.386	728	731	734	rBV3	217895	250275	3.79%	0.316%
7	6.492	744	749	753	rBV	960619	996038	15.06%	1.258%
8	6.598	762	767	768	rBV2	173657	223985	3.39%	0.283%
9	6.622	768	771	779	rVB	1192859	1264751	19.13%	1.598%
10	6.792	794	800	802	rBV4	101808	176475	2.67%	0.223%
11	6.851	806	810	817	rVB2	1664164	1975432	29.88%	2.495%
12	6.916	817	821	824	rBV2	166455	181165	2.74%	0.229%
13	6.951	824	827	828	rBV2	117316	125392	1.90%	0.158%
14	7.004	833	836	840	rVV2	1273392	1360681	20.58%	1.719%
15	7.033	840	841	844	rVB	177295	125644	1.90%	0.159%
16	7.086	847	850	851	rBV	149323	131255	1.99%	0.166%
17	7.128	854	857	860	rVB2	434749	455656	6.89%	0.576%
18	7.163	860	863	866	rBV3	183162	224551	3.40%	0.284%
19	7.204	866	870	872	rVB4	109270	118906	1.80%	0.150%
20	7.251	872	878	880	rBV2	394147	460596	6.97%	0.582%
21	7.281	880	883	888	rVB5	125653	172068	2.60%	0.217%
22	7.386	896	901	903	rBV3	567594	782001	11.83%	0.988%
23	7.404	903	904	907	rVV	639541	583952	8.83%	0.738%
24	7.433	907	909	916	rVB4	338425	439260	6.64%	0.555%
25	7.498	916	920	923	rVB4	489734	720829	10.90%	0.911%
26	7.563	923	931	934	rBV3	399240	808533	12.23%	1.021%
27	7.604	935	938	940	rBV2	154893	166592	2.52%	0.210%
28	7.633	940	943	945	rVV2	452230	429198	6.49%	0.542%
29	7.663	945	948	950	rVB2	422860	346471	5.24%	0.438%
30	7.686	950	952	956	rVB2	144057	121529	1.84%	0.154%
31	7.739	956	961	962	rBV2	298943	363740	5.50%	0.459%
32	7.757	962	964	966	rVV	438792	383409	5.80%	0.484%
33	7.780	966	968	971	rVB5	495960	447464	6.77%	0.565%
34	7.816	971	974	977	rVB3	347367	436872	6.61%	0.552%

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF012119\
 Data File : BF112155.D
 Acq On : 21 Jan 2019 13:38
 Operator : JU/SJ
 Sample : K1102-03 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CPSB-02(15-20)

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-BF011619.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.851	977	980	982	rBV2	220025	200778	3.04%	0.254%
36	7.875	982	984	985	rBV	193751	150254	2.27%	0.190%
37	7.898	985	988	993	rVB4	225426	277897	4.20%	0.351%
38	7.957	995	998	1003	rVB6	304662	353800	5.35%	0.447%
39	8.004	1003	1006	1010	rBV2	323605	430658	6.51%	0.544%
40	8.039	1010	1012	1014	rBV2	234547	167023	2.53%	0.211%
41	8.086	1016	1020	1023	rBV4	308036	543436	8.22%	0.686%
42	8.133	1023	1028	1031	rVV	2034982	2144862	32.44%	2.709%
43	8.198	1035	1039	1041	rVB	1617208	1413030	21.37%	1.785%
44	8.227	1041	1044	1046	rBV	331197	285684	4.32%	0.361%
45	8.251	1046	1048	1051	rVB3	223379	227849	3.45%	0.288%
46	8.292	1052	1055	1056	rBV3	236518	219252	3.32%	0.277%
47	8.316	1056	1059	1060	rBV2	181691	140420	2.12%	0.177%
48	8.345	1060	1064	1066	rVB2	327283	387826	5.87%	0.490%
49	8.375	1066	1069	1071	rBV3	137580	147209	2.23%	0.186%
50	8.428	1074	1078	1081	rVB2	918622	882252	13.34%	1.114%
51	8.486	1085	1088	1090	rBV3	250937	255454	3.86%	0.323%
52	8.522	1090	1094	1096	rBV4	289542	306663	4.64%	0.387%
53	8.557	1097	1100	1102	rBV	1583999	1300708	19.67%	1.643%
54	8.580	1102	1104	1106	rVV2	356971	286977	4.34%	0.362%
55	8.598	1106	1107	1110	rVB2	374105	275303	4.16%	0.348%
56	8.639	1111	1114	1116	rBV2	471252	378337	5.72%	0.478%
57	8.680	1116	1121	1123	rBV3	309879	358682	5.43%	0.453%
58	8.792	1137	1140	1142	rVB4	303930	299766	4.53%	0.379%
59	8.822	1142	1145	1149	rVB3	721258	860017	13.01%	1.086%
60	8.886	1153	1156	1158	rBV4	275025	217151	3.28%	0.274%
61	8.910	1158	1160	1164	rBV5	310799	513519	7.77%	0.649%
62	8.957	1166	1168	1170	rVB	281283	186810	2.83%	0.236%
63	9.010	1175	1177	1180	rBV4	228731	251131	3.80%	0.317%
64	9.045	1180	1183	1186	rVB5	554690	598497	9.05%	0.756%
65	9.075	1186	1188	1190	rBV	280016	272478	4.12%	0.344%
66	9.098	1190	1192	1195	rVB4	206862	130312	1.97%	0.165%
67	9.133	1195	1198	1199	rBV3	192130	127986	1.94%	0.162%
68	9.157	1199	1202	1206	rBV	1872696	1637919	24.77%	2.069%
69	9.204	1207	1210	1213	rVB	1342144	1162922	17.59%	1.469%
70	9.251	1215	1218	1220	rBV4	230040	189148	2.86%	0.239%
71	9.298	1220	1226	1230	rBV5	872537	1519921	22.99%	1.920%

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF012119\
 Data File : BF112155.D
 Acq On : 21 Jan 2019 13:38
 Operator : JU/SJ
 Sample : K1102-03 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CPSB-02(15-20)

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-BF011619.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	9.333	1230	1232	1235	rVV3	221500	296728	4.49%	0.375%
73	9.363	1235	1237	1239	rVB2	350578	276053	4.18%	0.349%
74	9.480	1252	1257	1260	rVB4	628428	855811	12.94%	1.081%
75	9.522	1261	1264	1266	rVV3	805874	795126	12.03%	1.004%
76	9.551	1266	1269	1275	rVB2	1614922	2205212	33.35%	2.786%
77	9.616	1275	1280	1282	rBV2	2497748	3030940	45.84%	3.829%
78	9.639	1282	1284	1286	rVV2	516576	439535	6.65%	0.555%
79	9.669	1286	1289	1292	rVV3	458871	495762	7.50%	0.626%
80	9.763	1301	1305	1308	rBV5	644322	1088178	16.46%	1.375%
81	9.804	1308	1312	1315	rVB3	1151982	1318814	19.95%	1.666%
82	9.839	1315	1318	1320	rBV4	539881	678600	10.26%	0.857%
83	9.892	1320	1327	1330	rVV3	2074061	3173394	48.00%	4.008%
84	9.922	1330	1332	1335	rVV2	1778306	1668152	25.23%	2.107%
85	9.998	1342	1345	1348	rBV3	694247	811542	12.27%	1.025%
86	10.033	1349	1351	1352	rBV	371166	290936	4.40%	0.367%
87	10.092	1358	1361	1364	rVB2	1114332	1169660	17.69%	1.477%
88	10.151	1369	1371	1378	rVB4	1056912	1178628	17.83%	1.489%
89	10.210	1378	1381	1383	rBV2	1070766	1173897	17.76%	1.483%
90	10.304	1394	1397	1401	rVB5	1365115	1456667	22.03%	1.840%
91	10.439	1417	1420	1421	rBV2	1086918	1096795	16.59%	1.385%
92	10.551	1435	1439	1442	rVB	2847637	3022854	45.72%	3.818%
93	10.816	1480	1484	1490	rBV	5392455	6339155	95.88%	8.007%
94	11.286	1560	1564	1568	rVB	6130263	6611618	100.00%	8.351%
95	11.386	1579	1581	1589	rBV5	1493917	2683928	40.59%	3.390%
96	11.633	1621	1623	1626	rBV	2026951	1944480	29.41%	2.456%

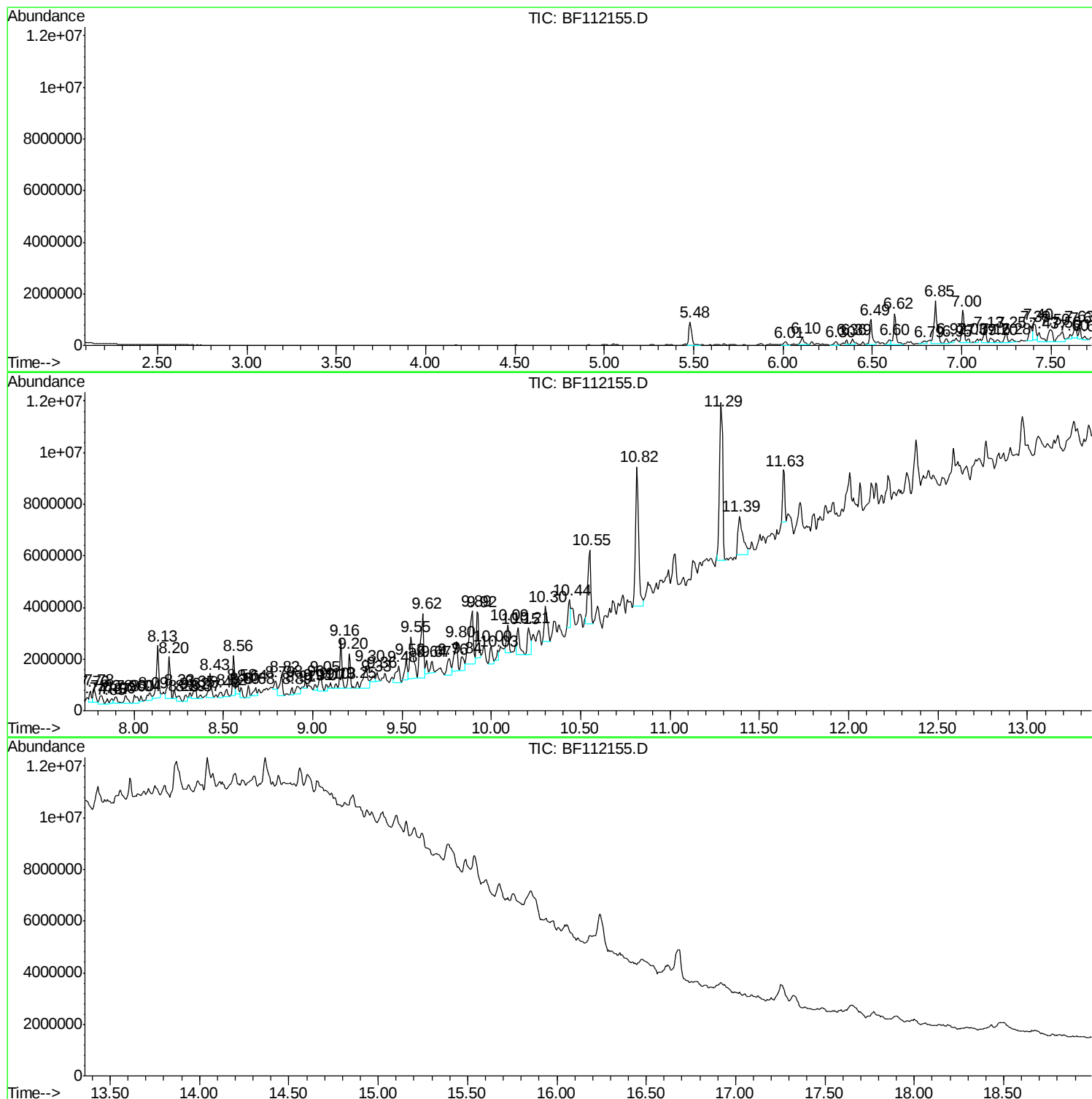
Sum of corrected areas: 79166854

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
Data File : BF112155.D
Acq On : 21 Jan 2019 13:38
Operator : JU/SJ
Sample : K1102-03 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CPSB-02(15-20)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.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\BF012119\
Data File : BF112155.D
Acq On : 21 Jan 2019 13:38
Operator : JU/SJ
Sample : K1102-03 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CPSB-02(15-20)

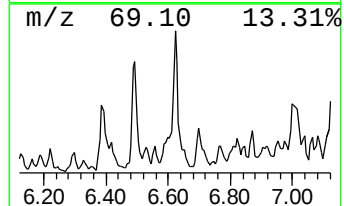
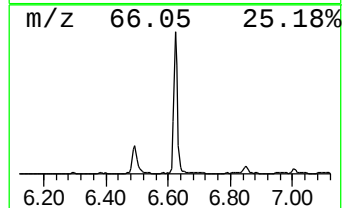
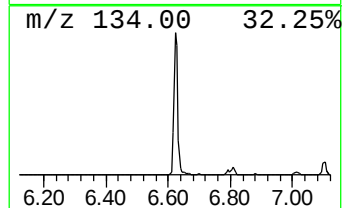
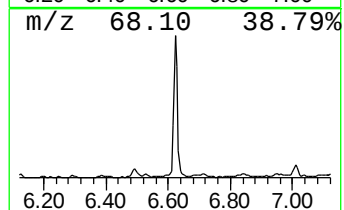
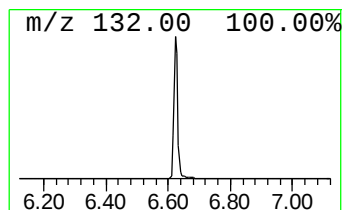
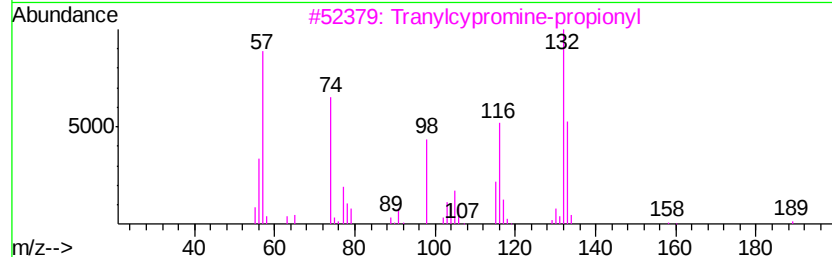
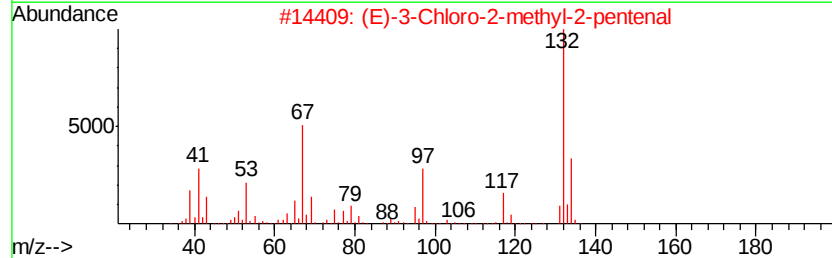
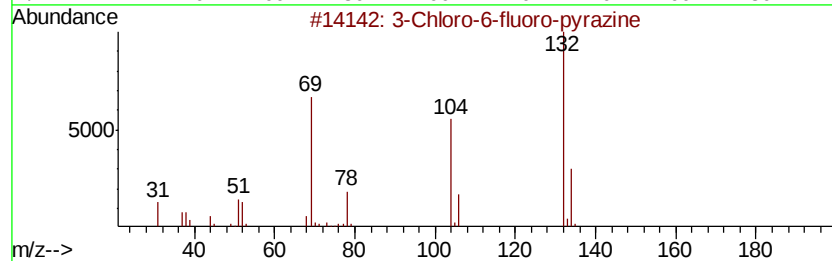
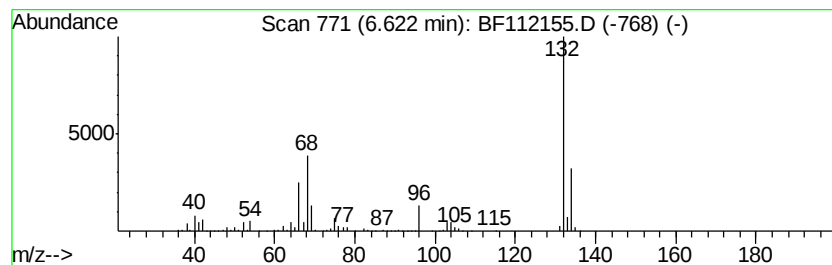
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.62 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	12.80 ng	1264750	1,4-Dichlorobenzene-d4	6.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3		Tranvlcyproline-propionyl	189	C12H15NO	1000123-86-3	10
4		2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
5		4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
Data File : BF112155.D
Acq On : 21 Jan 2019 13:38
Operator : JU/SJ
Sample : K1102-03 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CPSB-02(15-20)

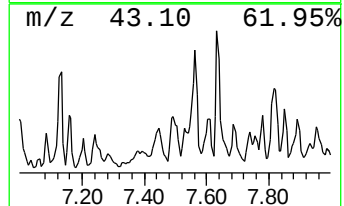
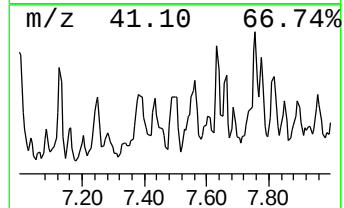
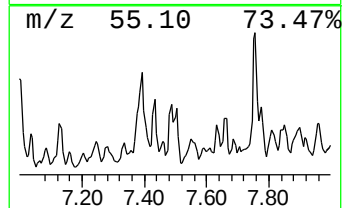
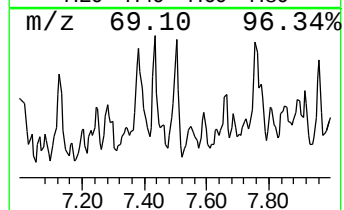
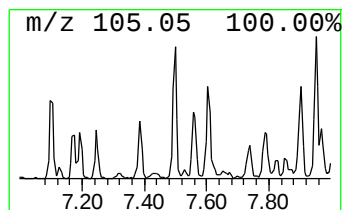
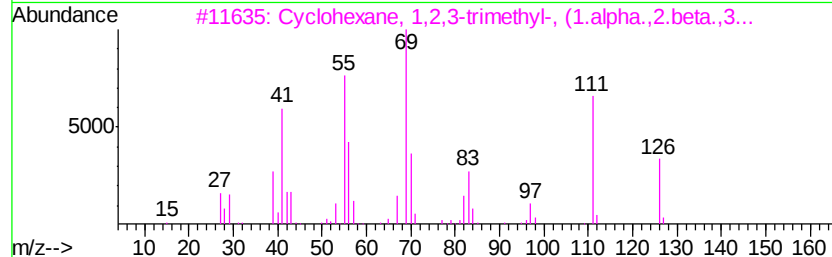
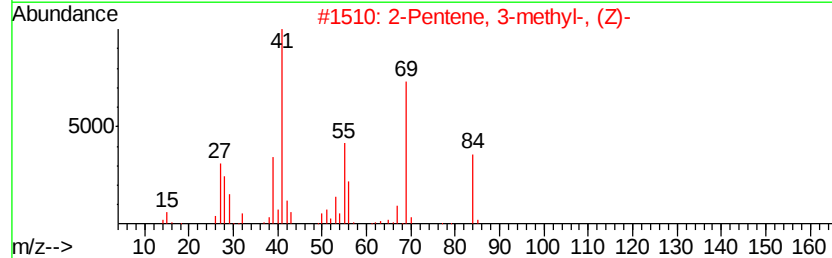
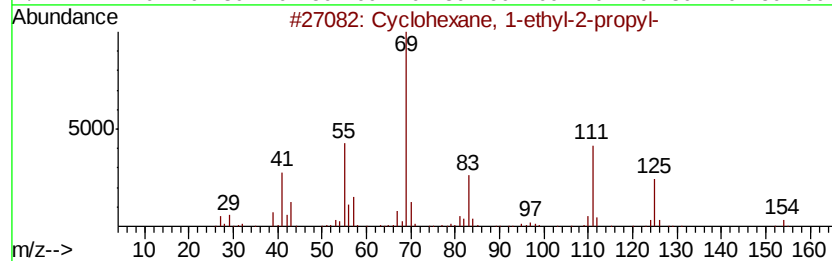
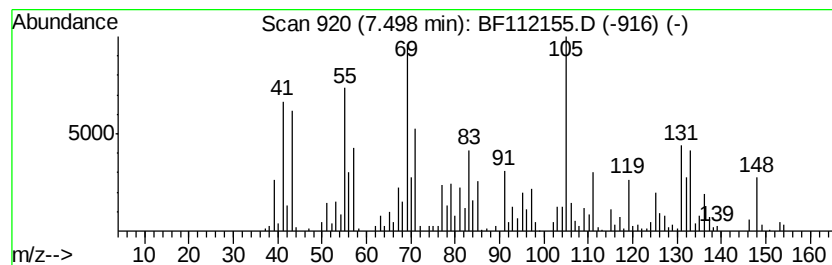
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 unknown7.50 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.50	6.72 ng	720829	Naphthalene-d8	8.13

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclohexane, 1-ethyl-2-propyl-	154	C11H22	062238-33-9	27
2		2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	25
3		Cyclohexane, 1,2,3-trimethyl-, (...)	126	C9H18	001678-81-5	25
4		Cyclopentane, 1-butyl-2-ethyl-	154	C11H22	072993-32-9	25
5		6-Octen-1-ol, 7-methyl-3-methylene-	154	C10H18O	013066-51-8	25



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
Data File : BF112155.D
Acq On : 21 Jan 2019 13:38
Operator : JU/SJ
Sample : K1102-03 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CPSB-02(15-20)

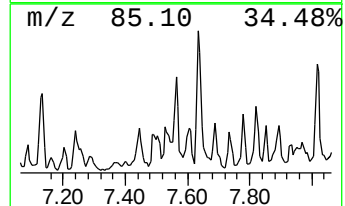
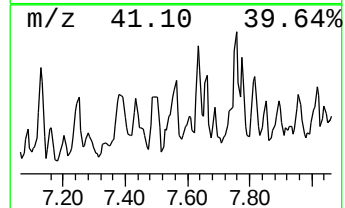
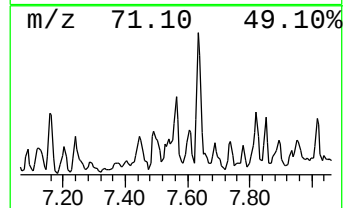
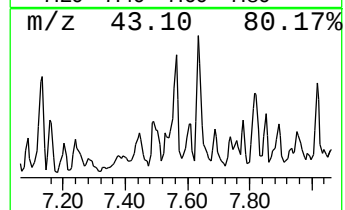
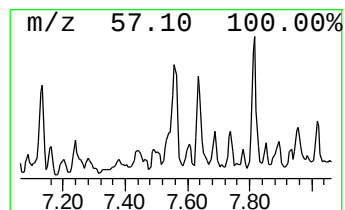
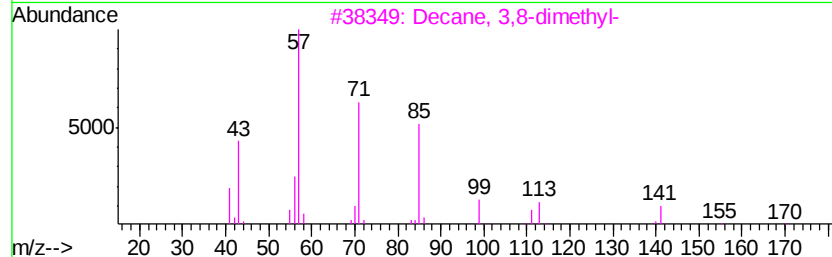
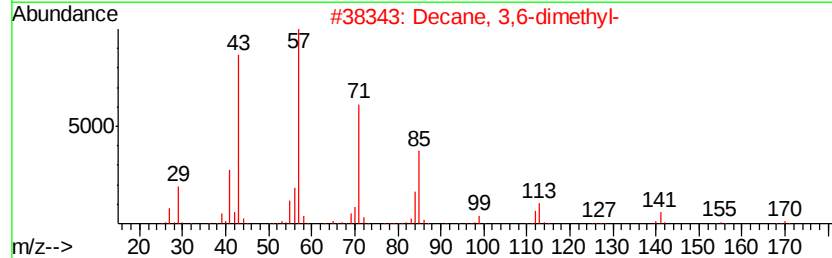
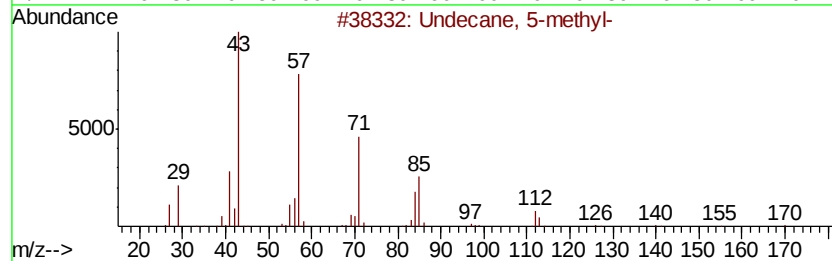
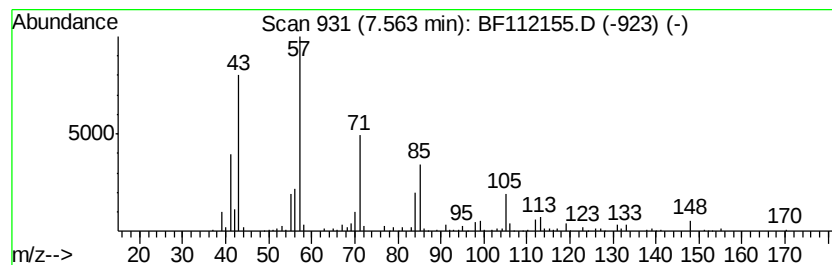
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Undecane, 5-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.56	7.54 ng	808533	Napthalene-d8	8.13

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 5-methyl-	170	C12H26	001632-70-8	74
2		Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	64
3		Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	49
4		Dodecane	170	C12H26	000112-40-3	47
5		Undecane	156	C11H24	001120-21-4	47



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
Data File : BF112155.D
Acq On : 21 Jan 2019 13:38
Operator : JU/SJ
Sample : K1102-03 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CPSB-02(15-20)

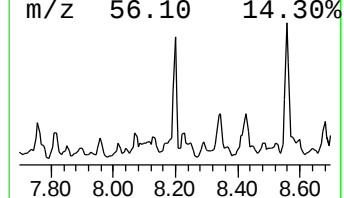
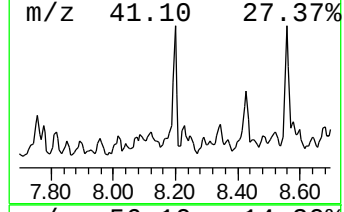
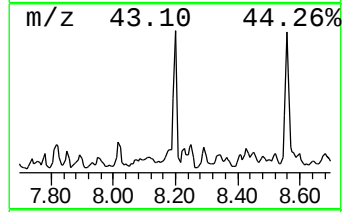
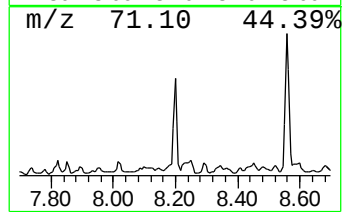
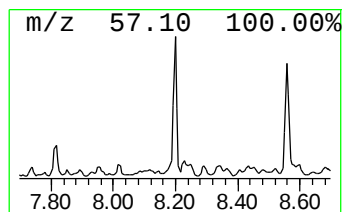
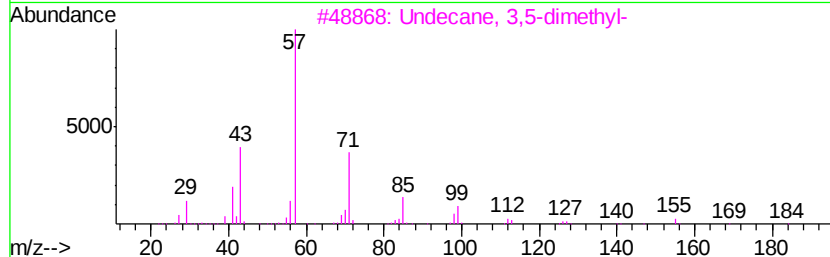
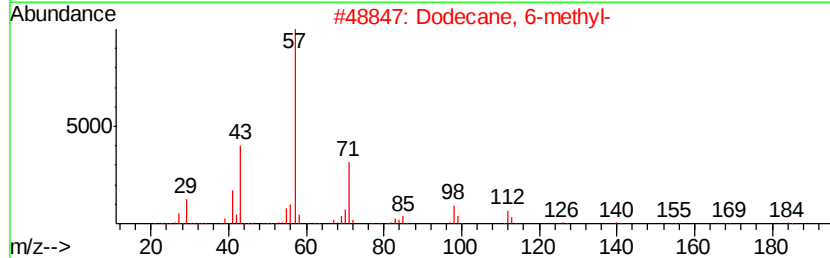
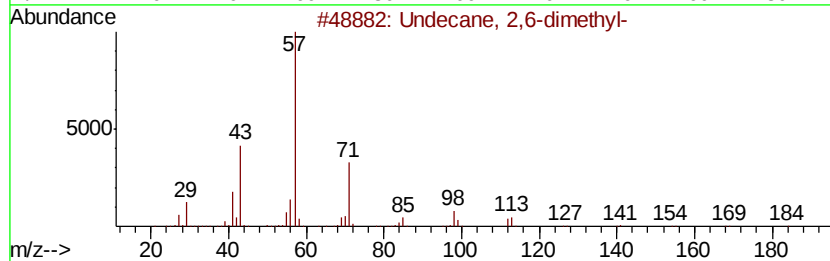
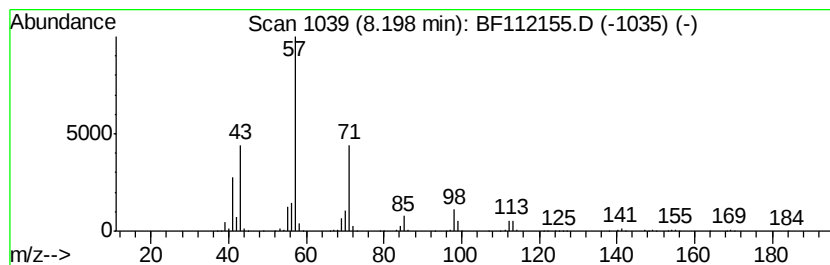
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Undecane, 2,6-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.20	13.18 ng	1413030	Napthalene-d8	8.13

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	97
2		Dodecane, 6-methyl-	184	C13H28	006044-71-9	81
3		Undecane, 3,5-dimethyl-	184	C13H28	017312-81-1	80
4		Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	76
5		Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
Data File : BF112155.D
Acq On : 21 Jan 2019 13:38
Operator : JU/SJ
Sample : K1102-03 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

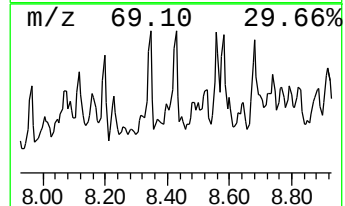
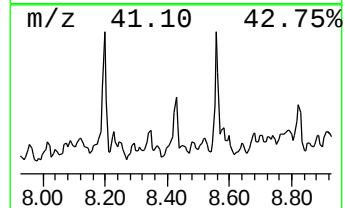
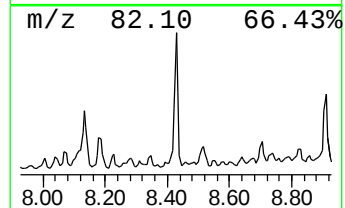
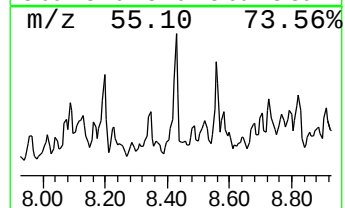
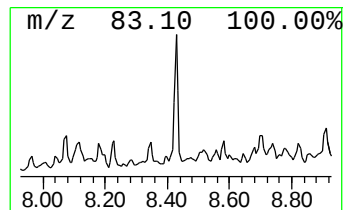
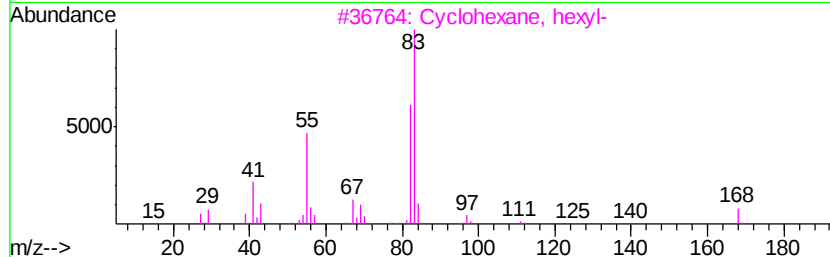
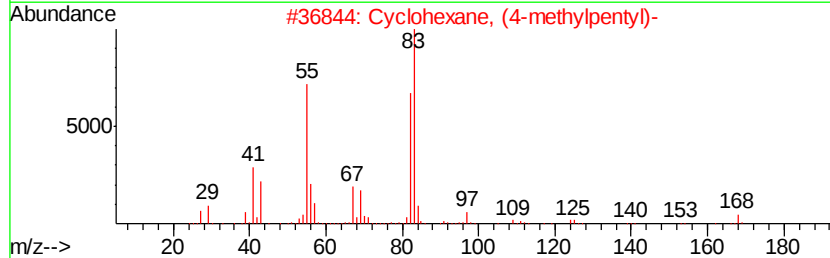
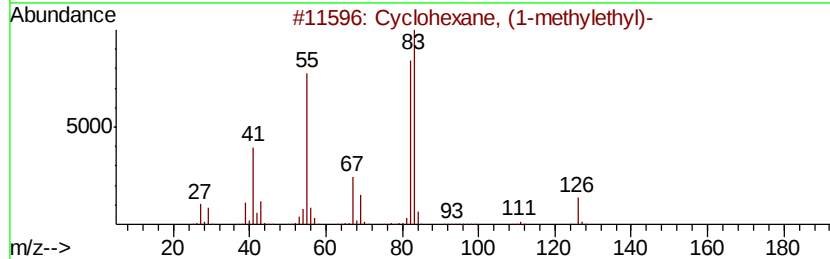
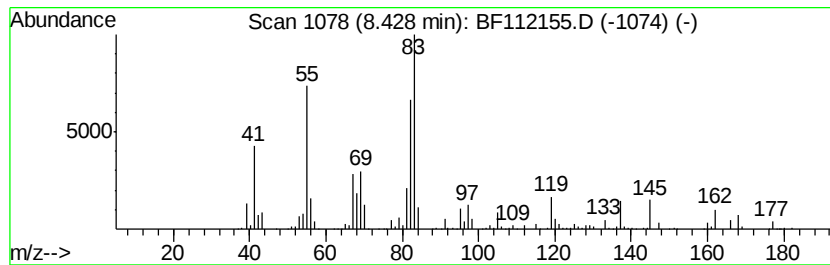
Instrument :
BNA_F
ClientSampleId :
CPSB-02(15-20)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Cyclohexane, (1-methylethyl)- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.43	8.23 ng	882252	Napthalene-d8	8.13
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclohexane, (1-methylethyl)-	126 C9H18	000696-29-7 62
2		Cyclohexane, (4-methylpentyl)-	168 C12H24	061142-20-9 58
3		Cyclohexane, hexyl-	168 C12H24	004292-75-5 58
4		Cyclohexane, pentyl-	154 C11H22	004292-92-6 53
5		Cyclohexane, butyl-	140 C10H20	001678-93-9 53



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
Data File : BF112155.D
Acq On : 21 Jan 2019 13:38
Operator : JU/SJ
Sample : K1102-03 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

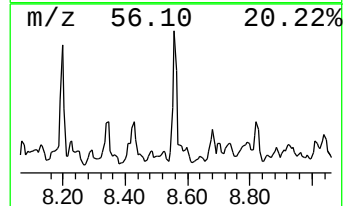
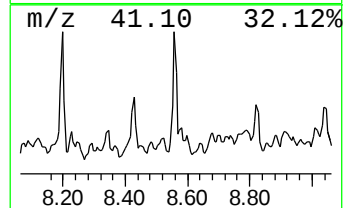
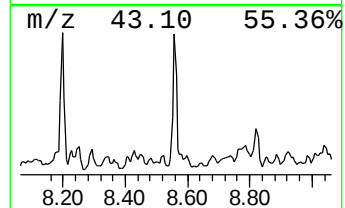
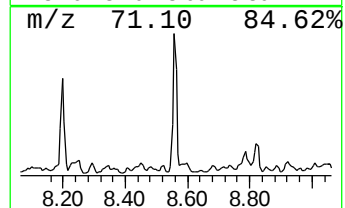
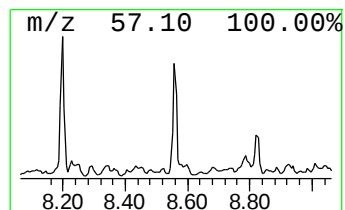
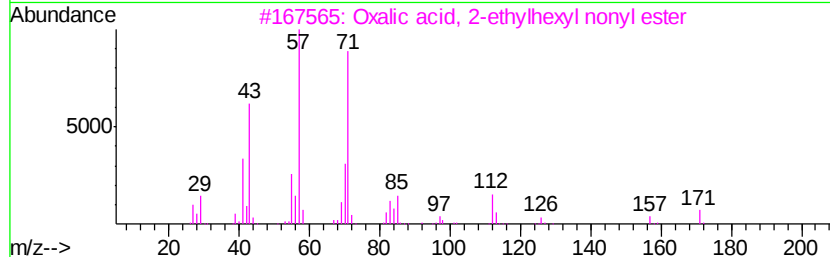
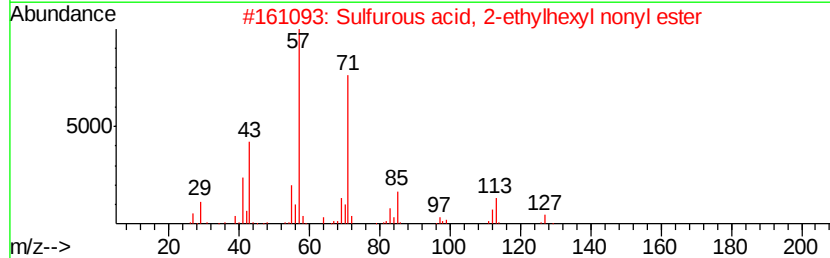
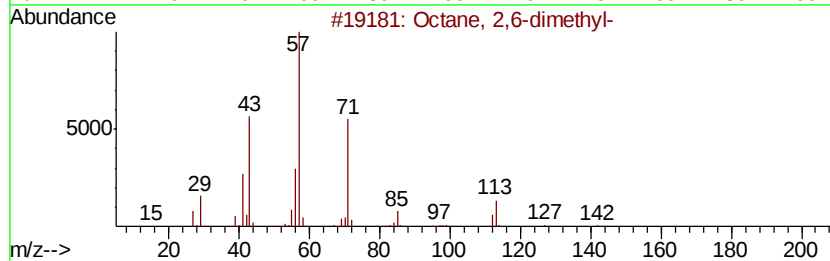
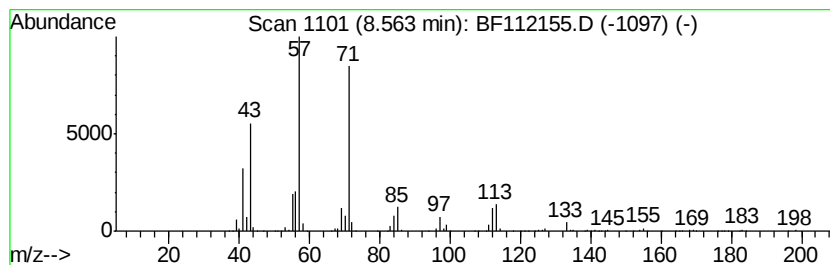
Instrument :
BNA_F
ClientSampleId :
CPSB-02(15-20)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Octane, 2,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.56	12.13 ng	1300710	Naphthalene-d8	8.13
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Octane, 2,6-dimethyl-	142 C10H22	002051-30-1	83
2	Sulfurous acid, 2-ethylhexyl non...	320 C17H36O3S	1000309-19-2	80
3	Oxalic acid, 2-ethylhexyl nonyl ...	328 C19H36O4	1000309-39-2	78
4	Octane, 2,3,6-trimethyl-	156 C11H24	062016-33-5	78
5	Sulfurous acid, dodecyl 2-ethylh...	362 C20H42O3S	1000309-19-5	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
Data File : BF112155.D
Acq On : 21 Jan 2019 13:38
Operator : JU/SJ
Sample : K1102-03 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CPSB-02(15-20)

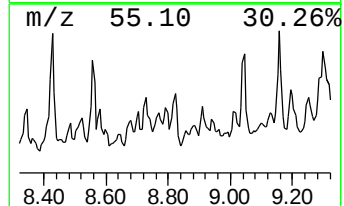
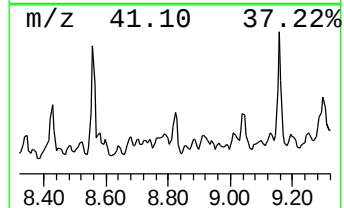
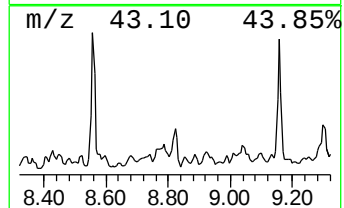
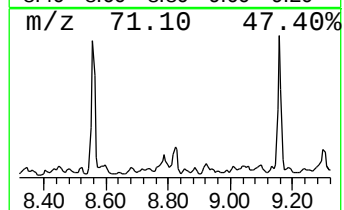
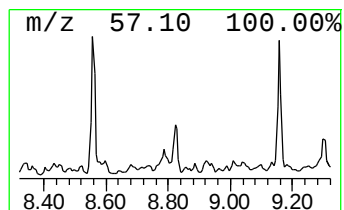
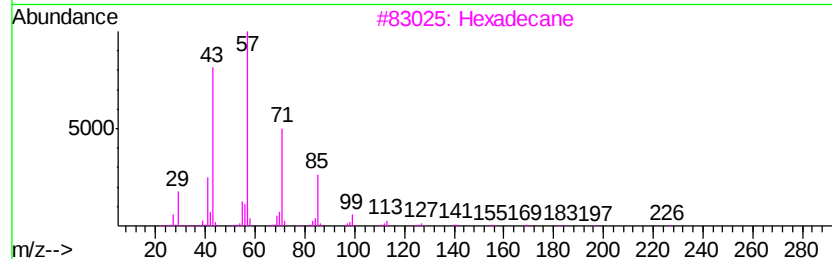
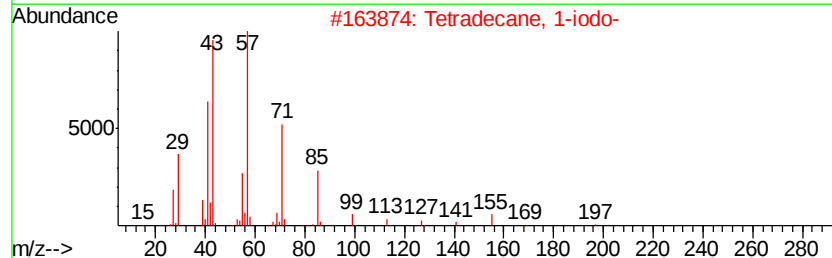
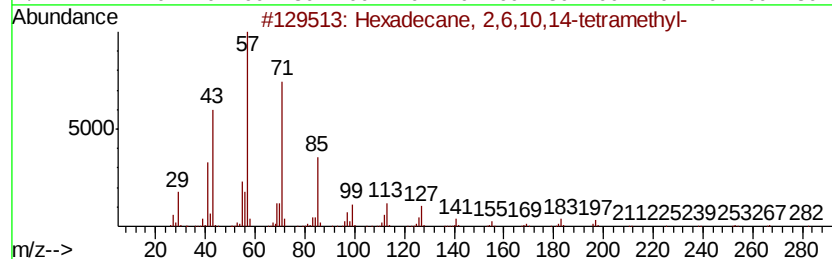
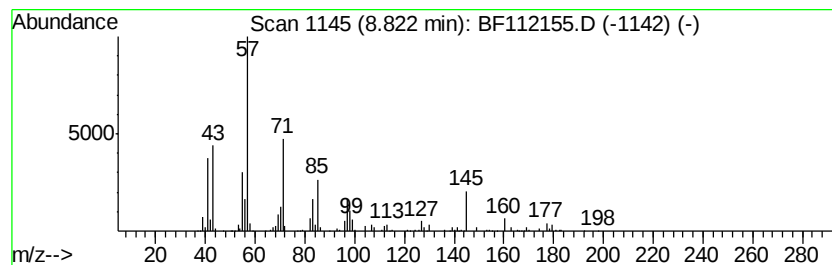
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Hexadecane, 2,6,10,14-tetra... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.82	8.02 ng	860017	Naphthalene-d8	8.13

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	50
2		Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	50
3		Hexadecane	226	C16H34	000544-76-3	50
4		Dodecane	170	C12H26	000112-40-3	50
5		Tridecane, 6-methyl-	198	C14H30	013287-21-3	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
Data File : BF112155.D
Acq On : 21 Jan 2019 13:38
Operator : JU/SJ
Sample : K1102-03 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CPSB-02(15-20)

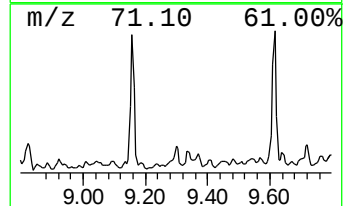
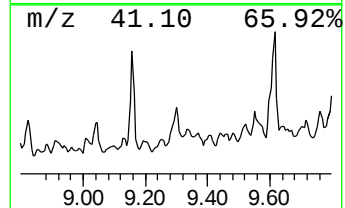
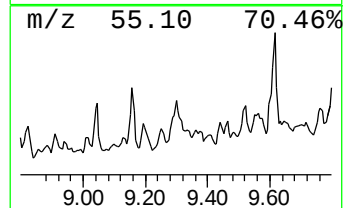
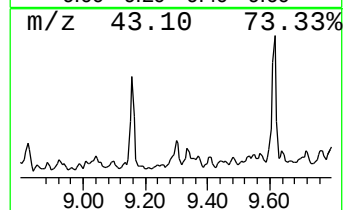
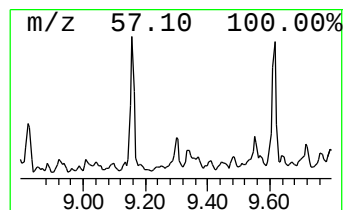
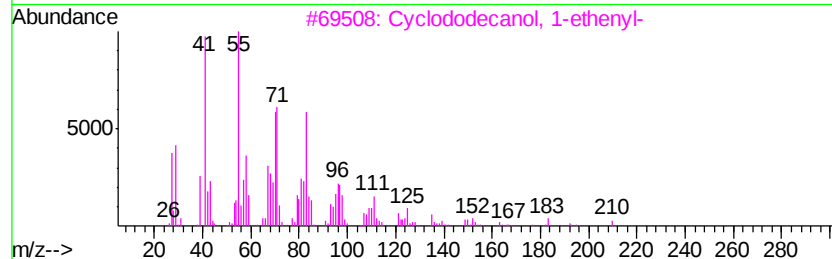
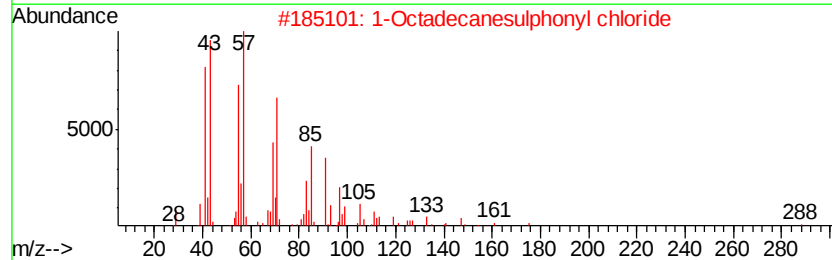
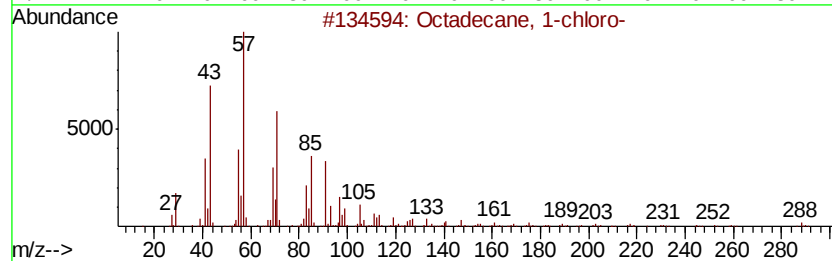
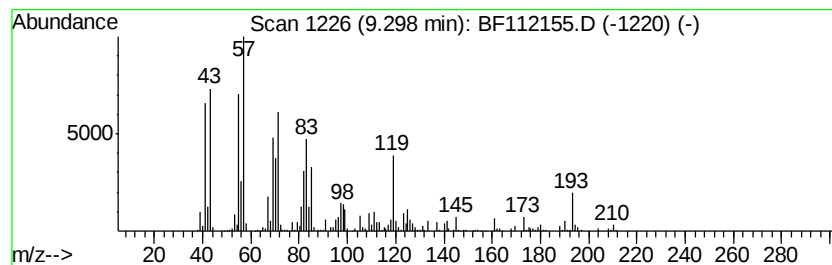
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 unknown9.30 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.30	9.58 ng	1519920	Acenaphthene-d10	9.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octadecane, 1-chloro-	288	C18H37Cl	003386-33-2	38
2		1-Octadecanesulphonyl chloride	352	C18H37ClO2S	1000342-70-4	38
3		Cyclododecanol, 1-ethenyl-	210	C14H26O	006244-49-1	30
4		Tritetracontane	605	C43H88	007098-21-7	30
5		Tetradecane	198	C14H30	000629-59-4	25



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
Data File : BF112155.D
Acq On : 21 Jan 2019 13:38
Operator : JU/SJ
Sample : K1102-03 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

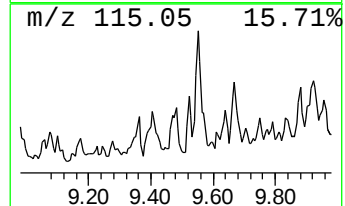
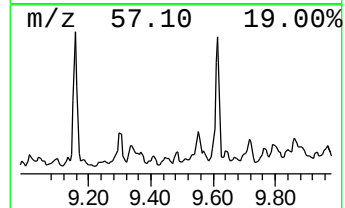
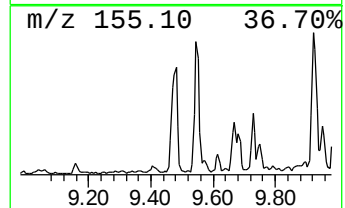
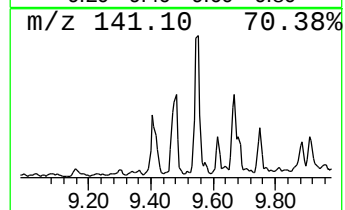
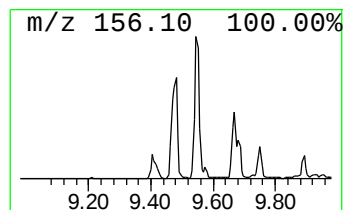
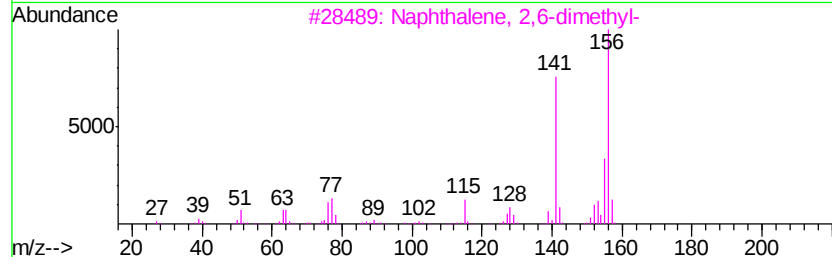
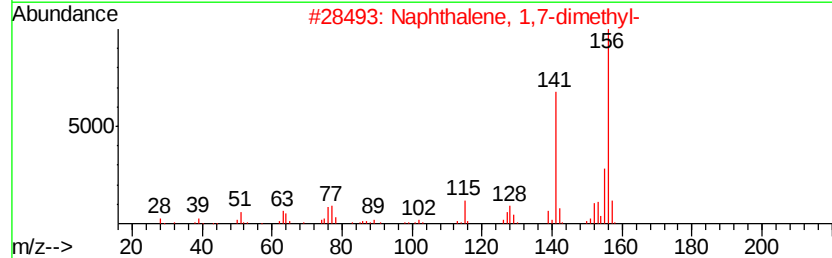
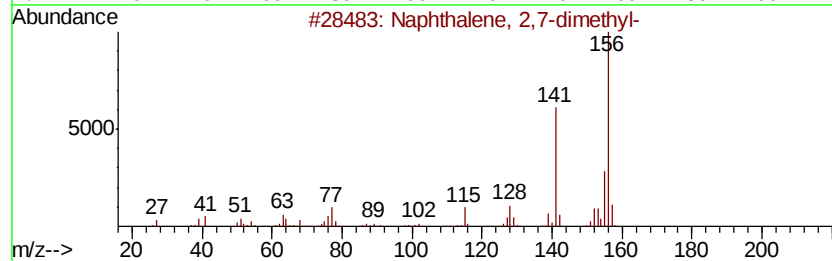
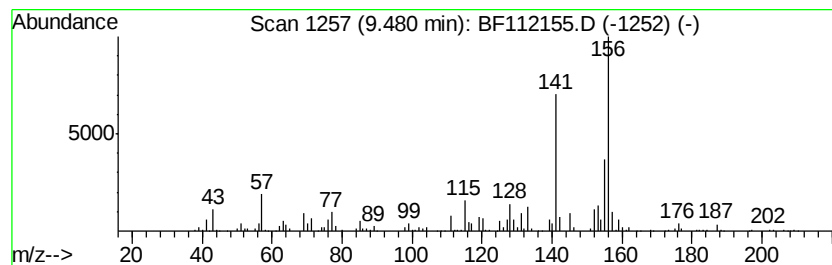
Instrument :
BNA_F
ClientSampleId :
CPSB-02(15-20)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.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, 2,7-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD		R.T.
9.48	5.39 ng	855811	Acenaphthene-d10		9.89
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	94
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	94
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	94



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
Data File : BF112155.D
Acq On : 21 Jan 2019 13:38
Operator : JU/SJ
Sample : K1102-03 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CPSB-02(15-20)

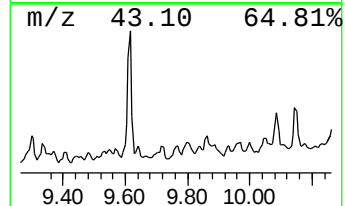
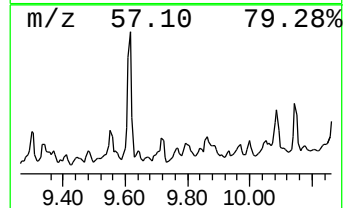
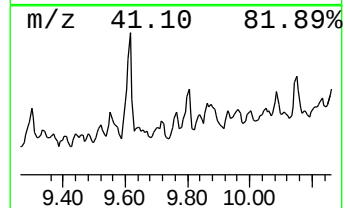
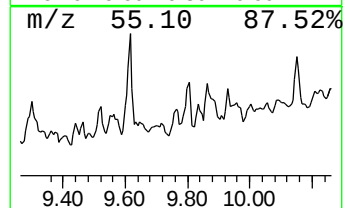
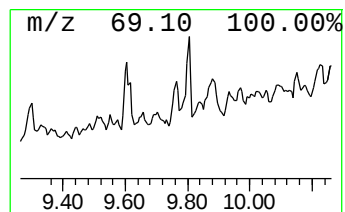
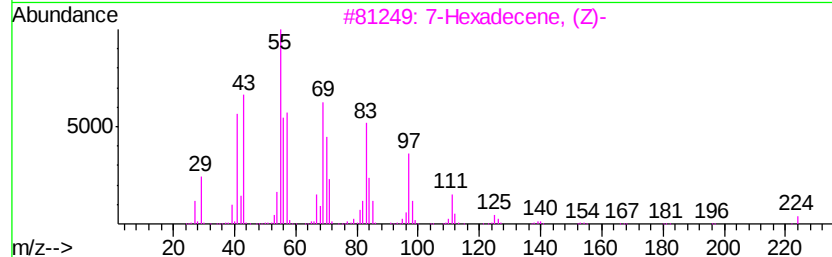
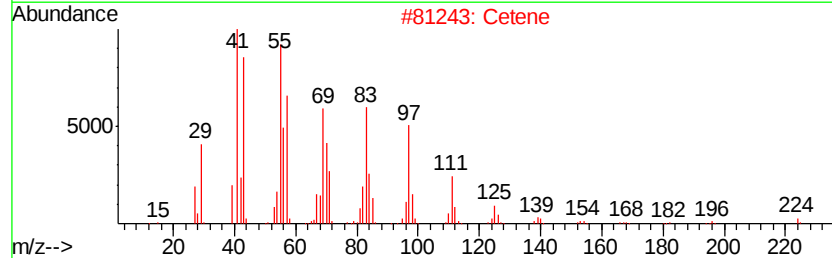
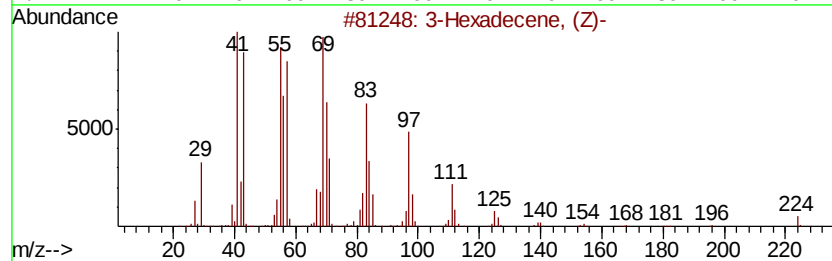
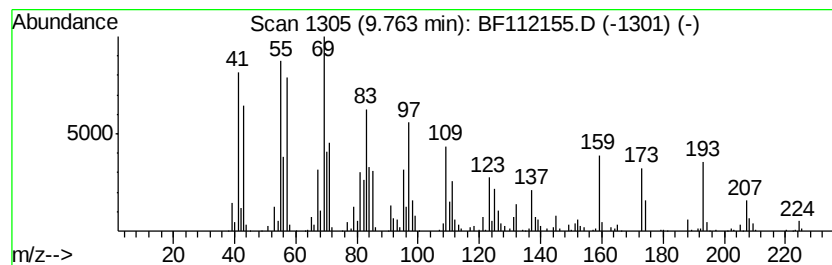
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 unknown9.76 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.76	6.86 ng	1088180	Acenaphthene-d10	9.89

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Hexadecene, (Z)-	224	C16H32	034303-81-6	46
2			Cetene	224	C16H32	000629-73-2	44
3			7-Hexadecene, (Z)-	224	C16H32	035507-09-6	30
4			Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	015358-88-0	18
5			Tetracosyl heptafluorobutyrate	550	C28H49F7O2	1000351-83-7	15



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
Data File : BF112155.D
Acq On : 21 Jan 2019 13:38
Operator : JU/SJ
Sample : K1102-03 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

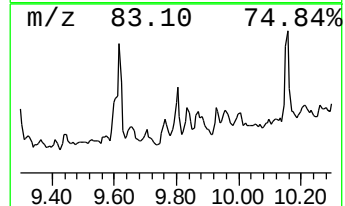
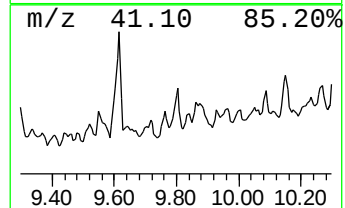
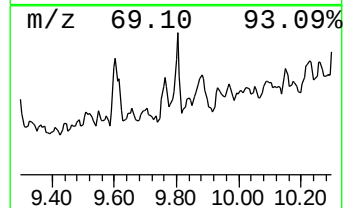
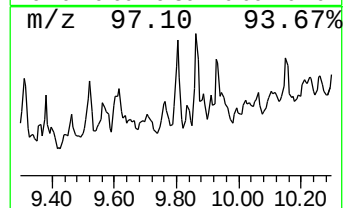
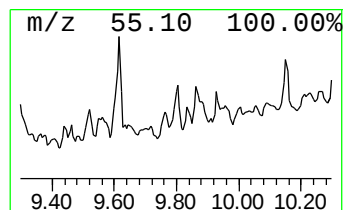
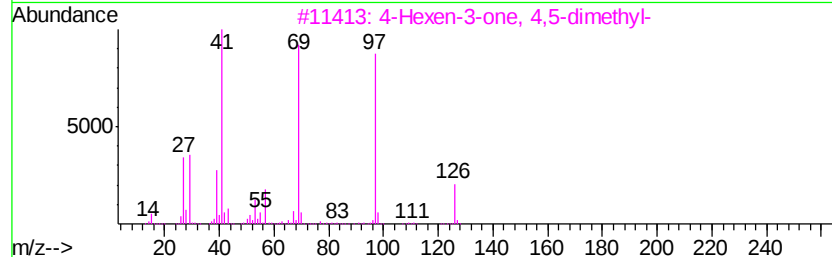
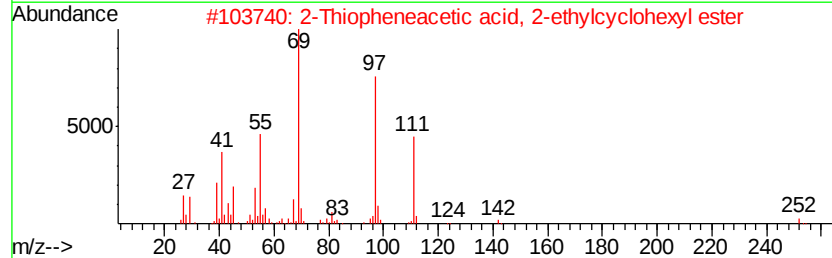
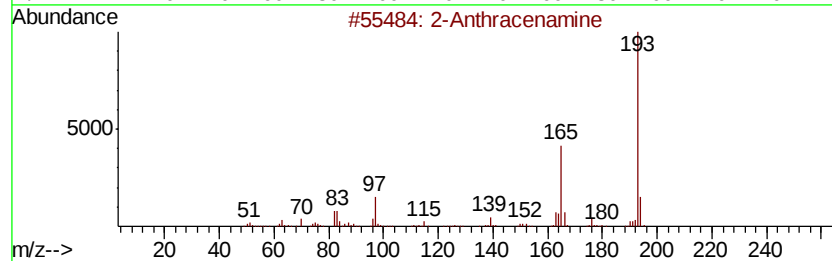
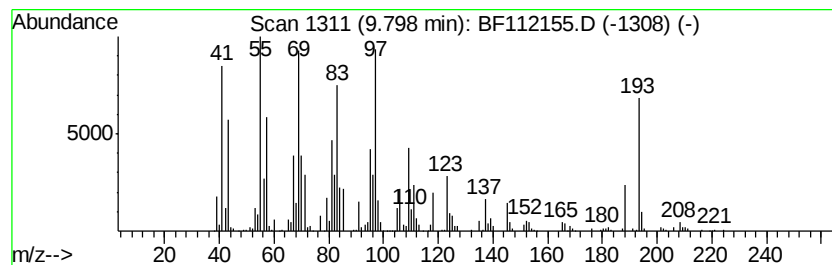
Instrument :
BNA_F
ClientSampleId :
CPSB-02(15-20)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 unknown9.80 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.	
9.80	8.31 ng	1318810	Acenaphthene-d10	9.89	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Anthracenamine	193	C14H11N	000613-13-8	38
2	2-Thiopheneacetic acid, 2-ethylc...	252	C14H20O2S	1000278-96-1	35
3	4-Hexen-3-one, 4,5-dimethyl-	126	C8H14O	017325-90-5	30
4	1,2-Dodecanediol	202	C12H26O2	001119-87-5	27
5	2-Pentene, 3-ethyl-4,4-dimethyl-	126	C9H18	053907-59-8	27



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
Data File : BF112155.D
Acq On : 21 Jan 2019 13:38
Operator : JU/SJ
Sample : K1102-03 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

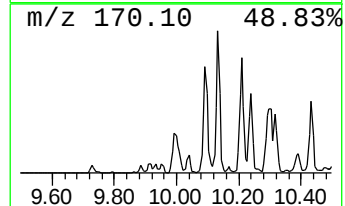
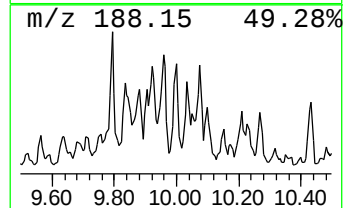
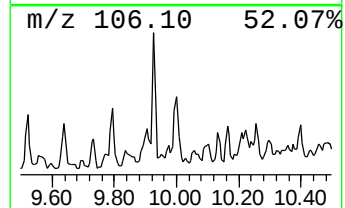
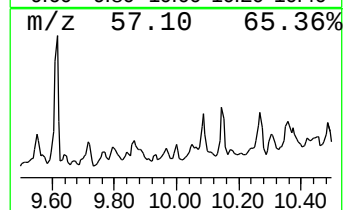
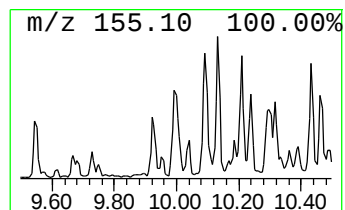
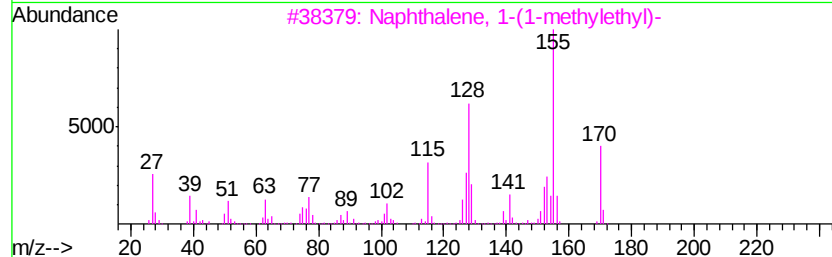
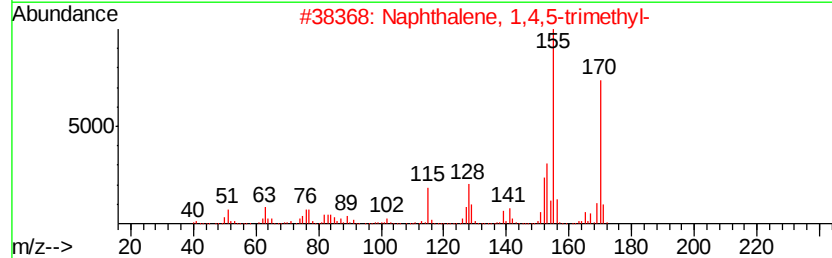
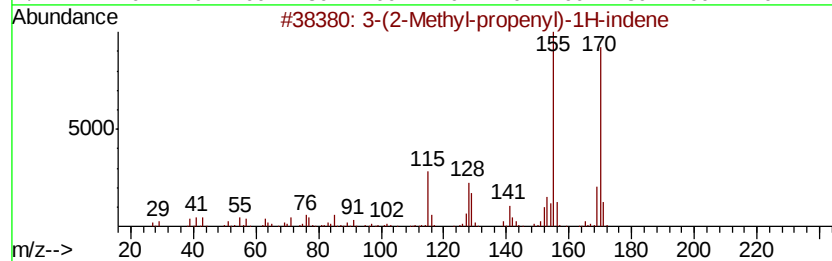
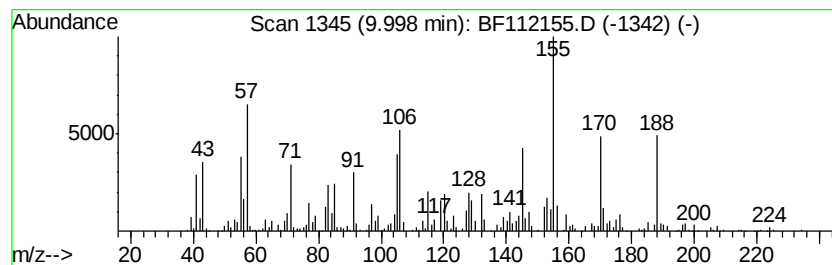
Instrument :
BNA_F
ClientSampleId :
CPSB-02(15-20)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 3-(2-Methyl-propenyl)-1H-in... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD		R.T.	
10.00	5.11 ng	811542	Acenaphthene-d10		9.89	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	60	
2	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	46	
3	Naphthalene, 1-(1-methylethyl)-	170	C13H14	006158-45-8	46	
4	Ethanone, 1-(1-Naphthalenyl)-	170	C12H10O	000941-98-0	35	
5	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	30	



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
Data File : BF112155.D
Acq On : 21 Jan 2019 13:38
Operator : JU/SJ
Sample : K1102-03 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

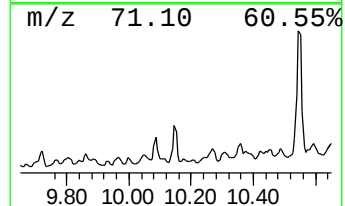
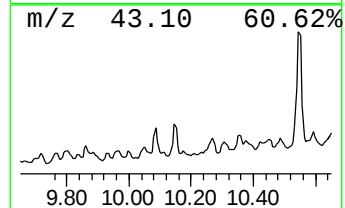
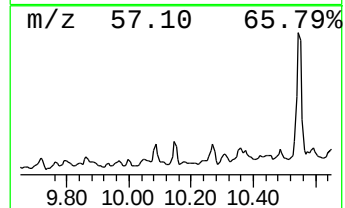
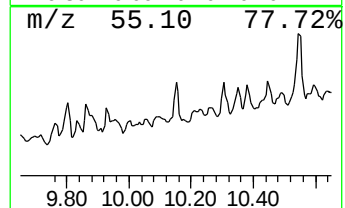
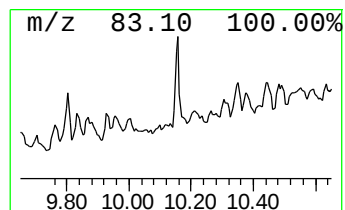
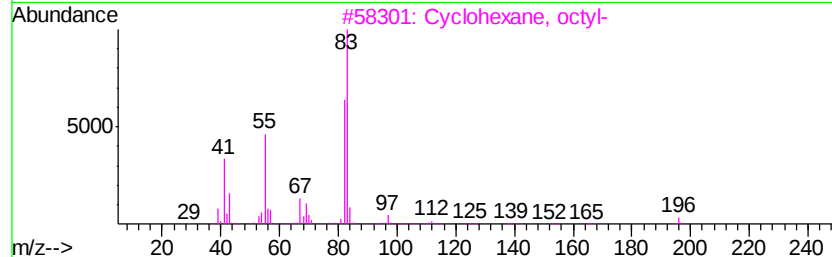
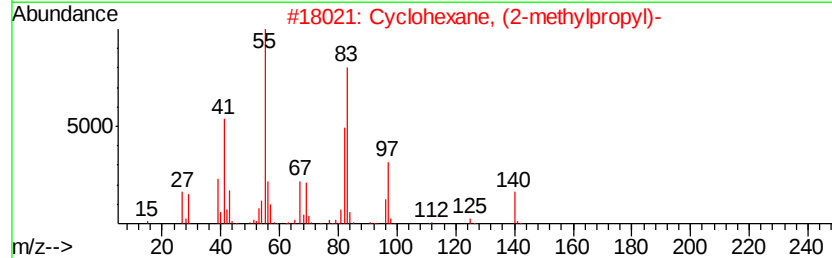
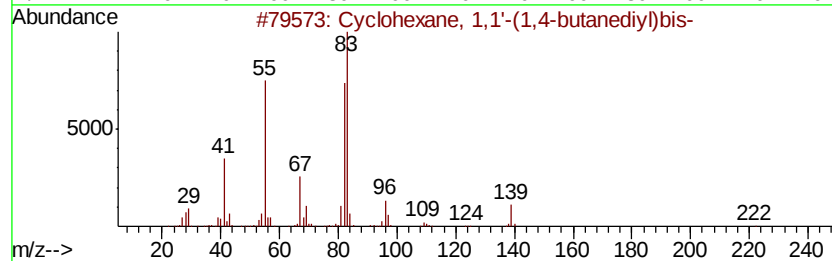
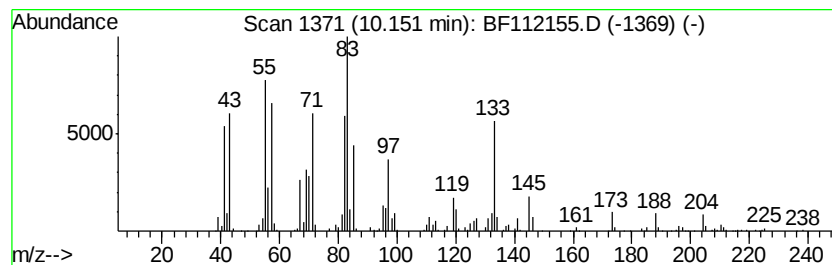
Instrument :
BNA_F
ClientSampleId :
CPSB-02(15-20)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 unknown10.15 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.15	7.43 ng	1178630	Acenaphthene-d10	9.89
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclohexane, 1,1'-(1,4-butanediol)-	222 C16H30	006165-44-2 42
2		Cyclohexane, (2-methylpropyl)-	140 C10H20	001678-98-4 38
3		Cyclohexane, octyl-	196 C14H28	001795-15-9 30
4		Cyclopentane, 1-methyl-3-(1-methyl-2-propenyl)-	126 C9H18	053771-88-3 30
5		Cyclohexane, 2-propenyl-	124 C9H16	002114-42-3 27



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
Data File : BF112155.D
Acq On : 21 Jan 2019 13:38
Operator : JU/SJ
Sample : K1102-03 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CPSB-02(15-20)

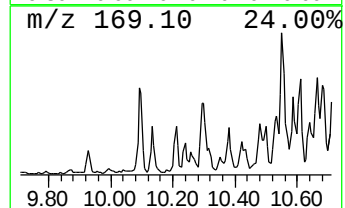
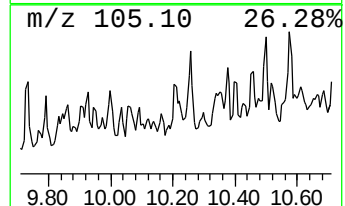
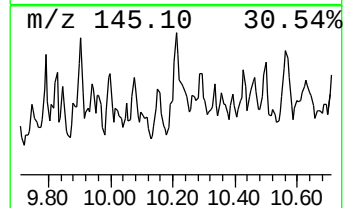
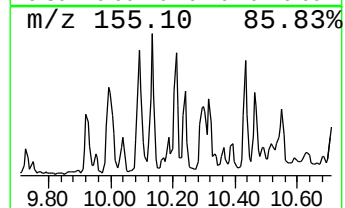
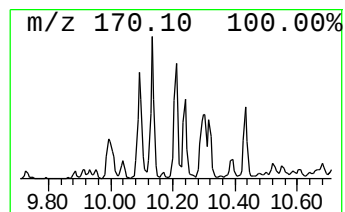
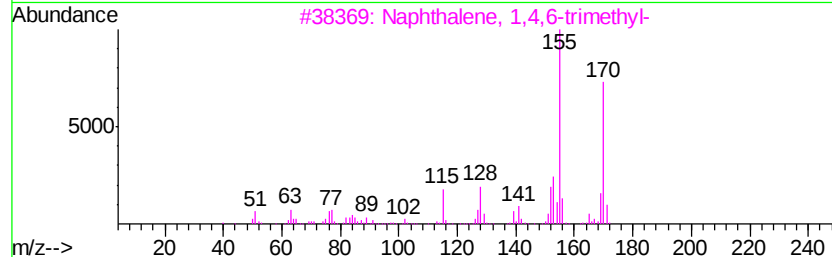
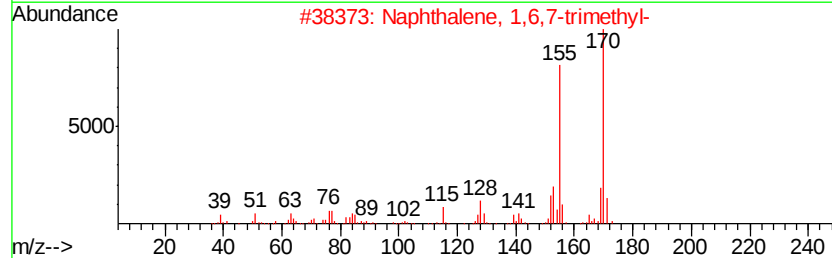
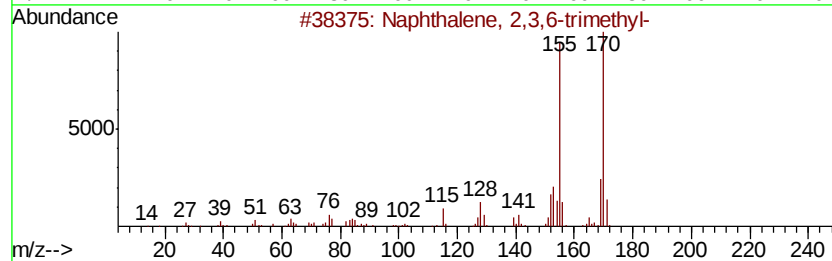
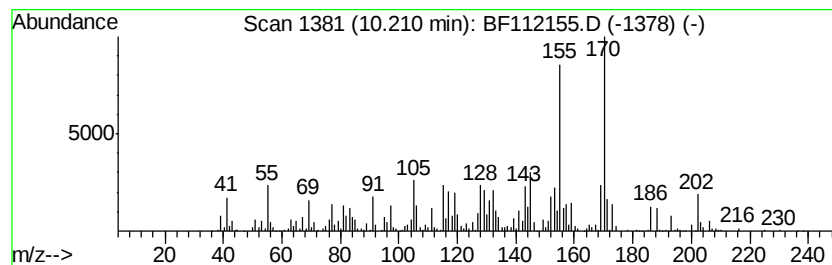
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Naphthalene, 2,3,6-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.21	7.40 ng	1173900	Acenaphthene-d10	9.89

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
2			Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
3			Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
4			4,6,8-Trimethylazulene	170	C13H14	000941-81-1	93
5			3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
Data File : BF112155.D
Acq On : 21 Jan 2019 13:38
Operator : JU/SJ
Sample : K1102-03 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

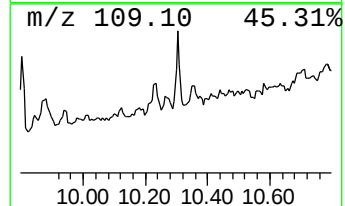
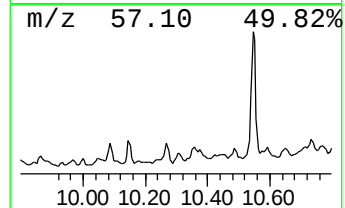
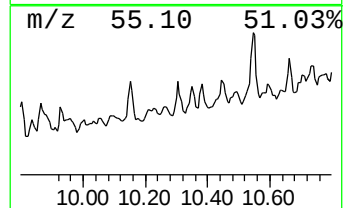
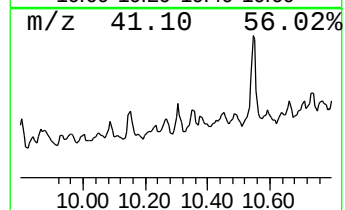
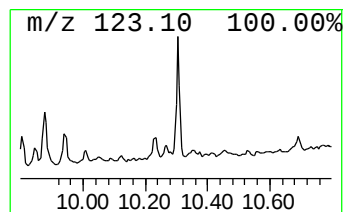
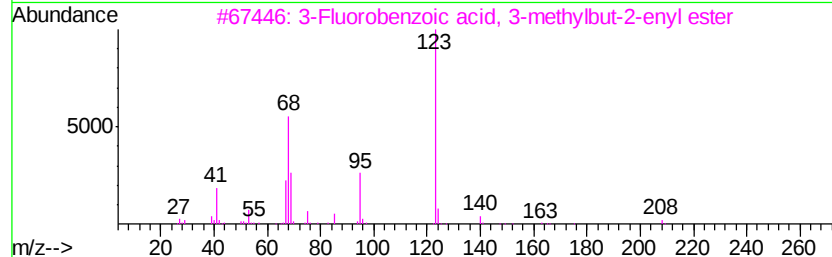
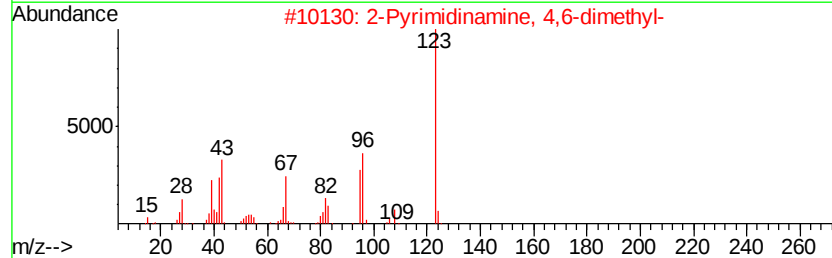
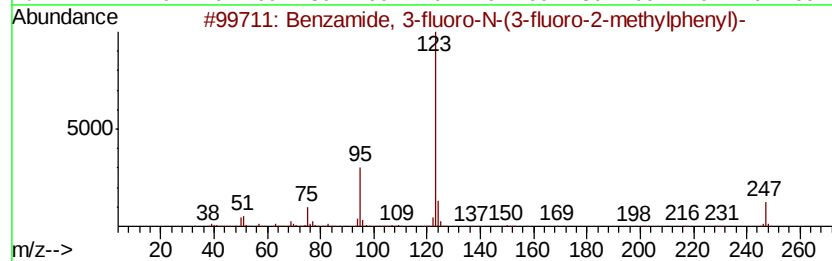
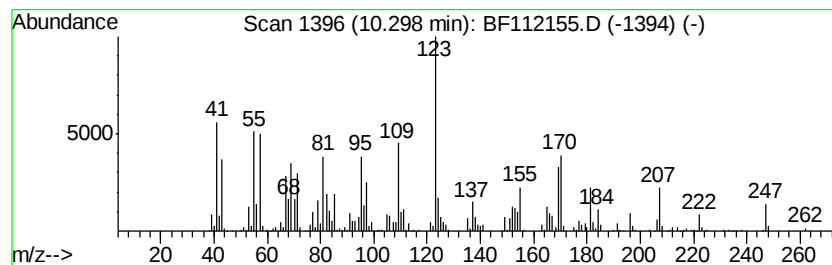
Instrument :
BNA_F
ClientSampleId :
CPSB-02(15-20)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Benzamide, 3-fluoro-N-(3-fl... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD		R.T.	
10.30	9.18 ng	1456670	Acenaphthene-d10		9.89	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzamide, 3-fluoro-N-(3-fluoro-...	247	C14H11F2NO	1000311-20-9	50
2		2-Pyrimidinamine, 4,6-dimethyl-	123	C6H9N3	000767-15-7	43
3		3-Fluorobenzoic acid, 3-methylbu...	208	C12H13F02	154559-38-3	43
4		1-Trimethylsilylpent-1-en-4-yne	138	C8H14Si	079516-25-9	38
5		4-Fluorobenzoic acid, 3-methylbu...	208	C12H13F02	1000299-15-1	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
Data File : BF112155.D
Acq On : 21 Jan 2019 13:38
Operator : JU/SJ
Sample : K1102-03 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CPSB-02(15-20)

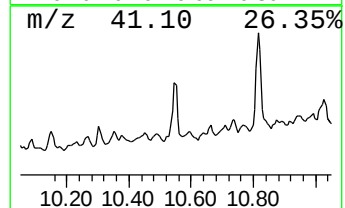
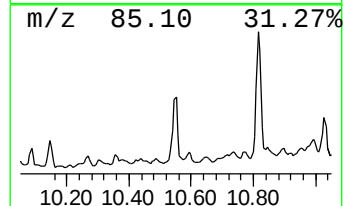
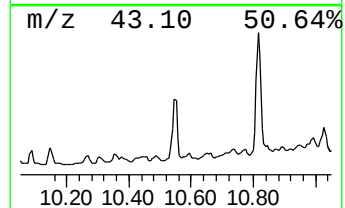
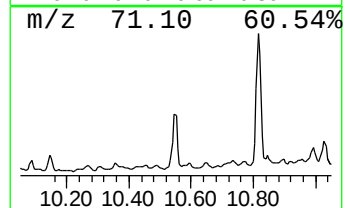
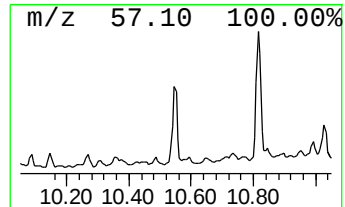
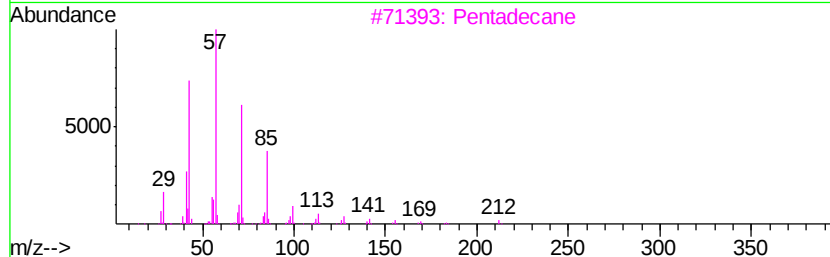
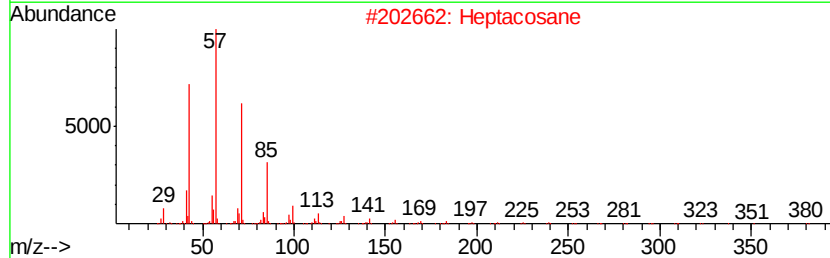
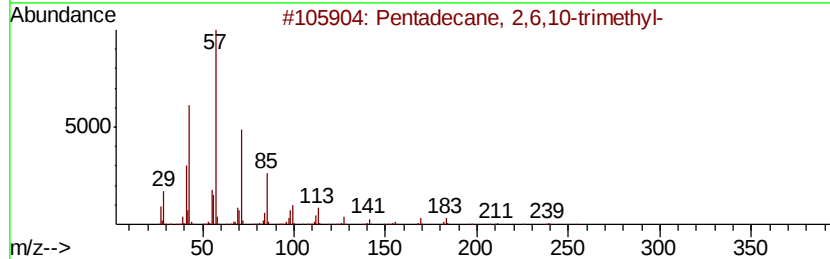
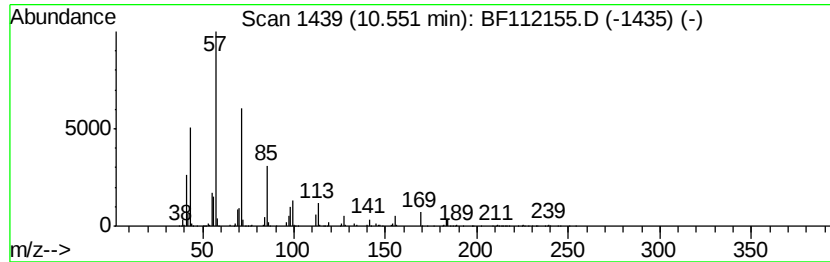
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Pentadecane, 2,6,10-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.55	19.05 ng	3022850	Acenaphthene-d10	9.89

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	93
2		Heptacosane	380	C27H56	000593-49-7	80
3		Pentadecane	212	C15H32	000629-62-9	72
4		Hexadecane	226	C16H34	000544-76-3	64
5		Tetracosane	338	C24H50	000646-31-1	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
Data File : BF112155.D
Acq On : 21 Jan 2019 13:38
Operator : JU/SJ
Sample : K1102-03 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

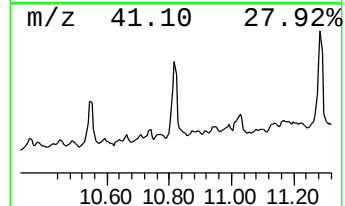
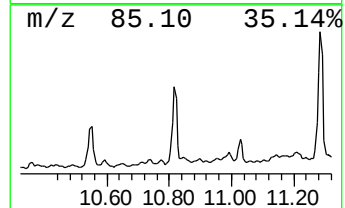
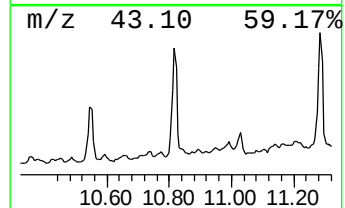
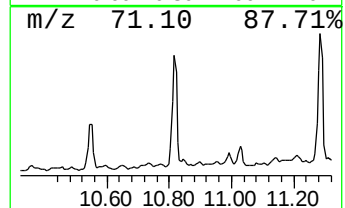
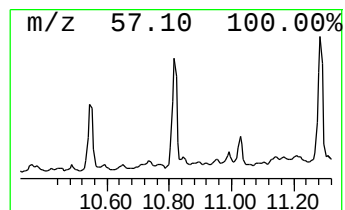
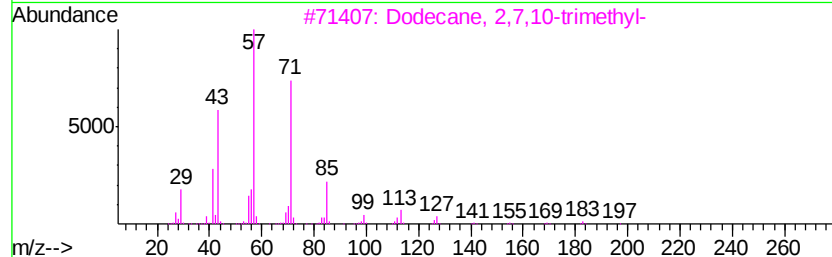
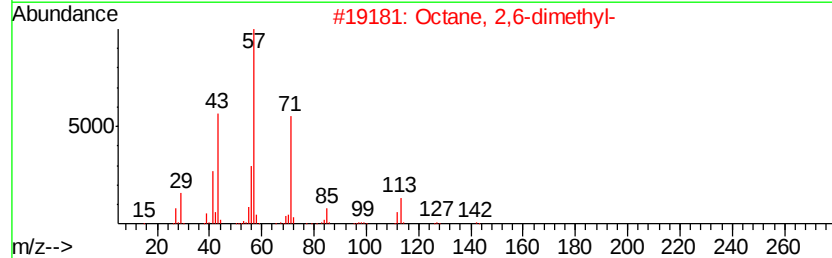
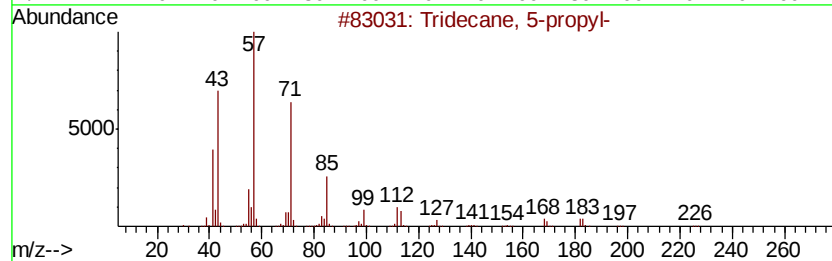
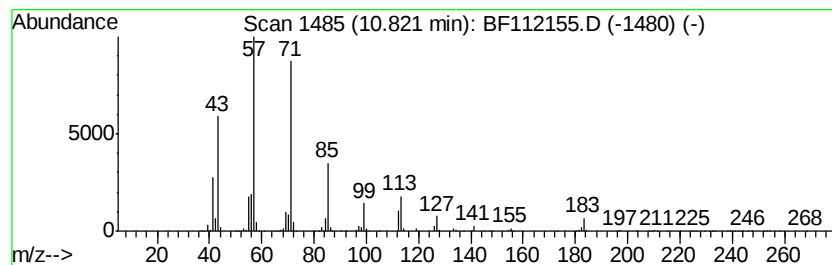
Instrument :
BNA_F
ClientSampleId :
CPSB-02(15-20)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Tridecane, 5-propyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.82	47.24 ng	6339160	Phenanthrene-d10	11.39	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 5-propyl-	226	C16H34	055045-11-9	78
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72
3	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72
4	Sulfurous acid, 2-ethylhexyl und...	348	C19H40O3S	1000309-19-4	64
5	Sulfurous acid, dodecyl 2-ethylh...	362	C20H42O3S	1000309-19-5	59



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
Data File : BF112155.D
Acq On : 21 Jan 2019 13:38
Operator : JU/SJ
Sample : K1102-03 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

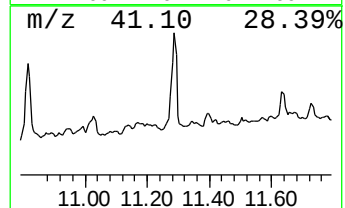
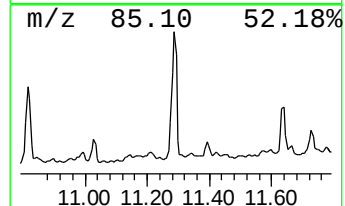
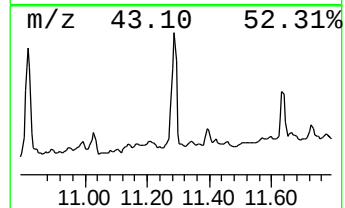
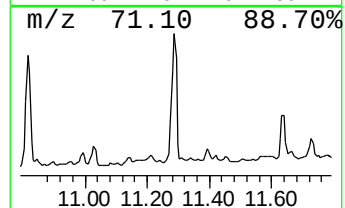
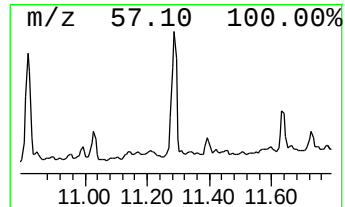
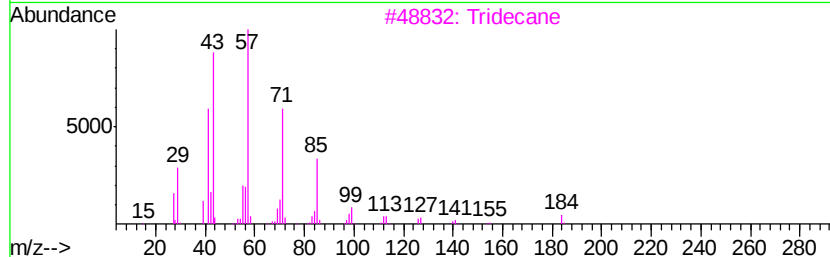
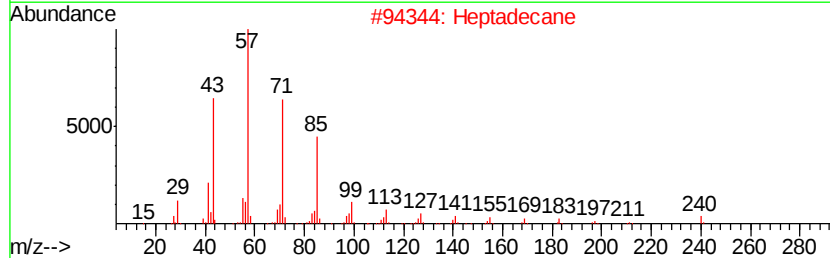
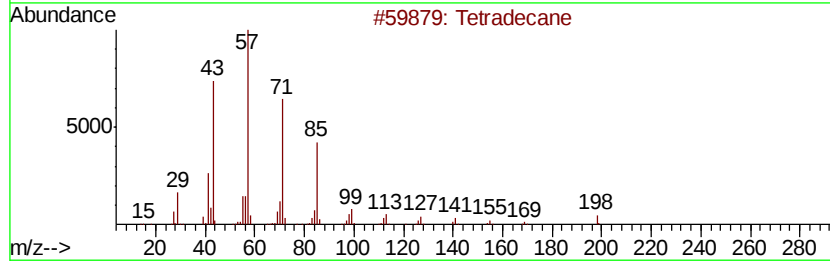
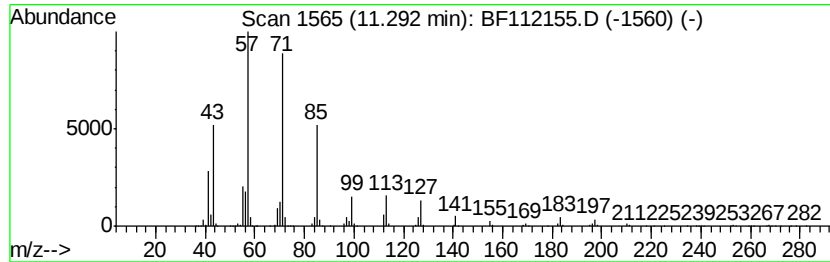
Instrument :
BNA_F
ClientSampleId :
CPSB-02(15-20)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Tetradecane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.29	49.27 ng	6611620	Phenanthrene-d10	11.39	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	90
2	Heptadecane	240	C17H36	000629-78-7	90
3	Tridecane	184	C13H28	000629-50-5	87
4	Decane, 2-methyl-	156	C11H24	006975-98-0	87
5	Tridecane, 4-methyl-	198	C14H30	026730-12-1	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012119\
Data File : BF112155.D
Acq On : 21 Jan 2019 13:38
Operator : JU/SJ
Sample : K1102-03 5X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CPSB-02(15-20)

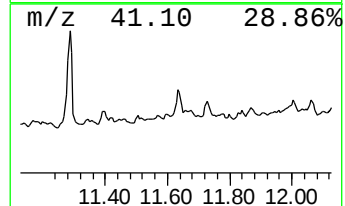
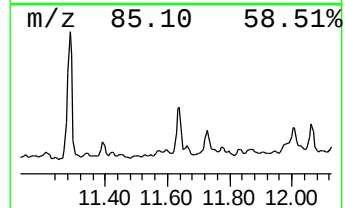
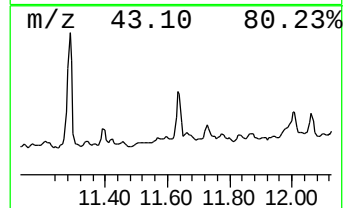
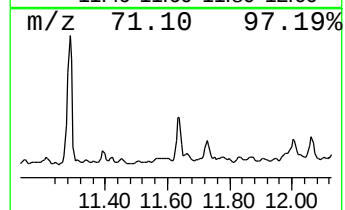
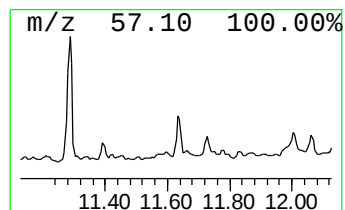
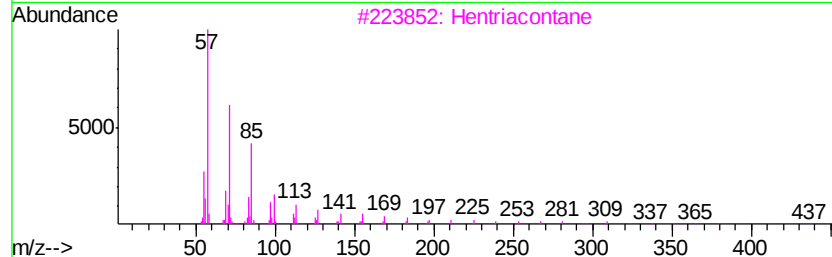
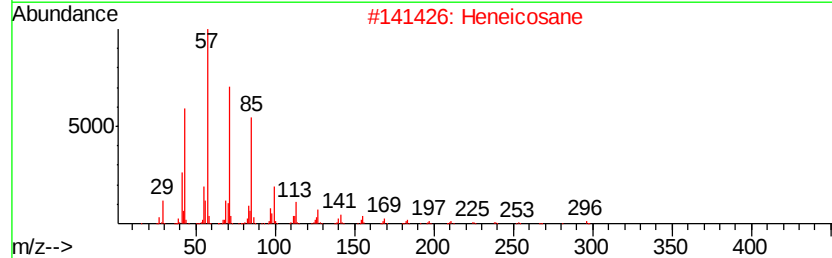
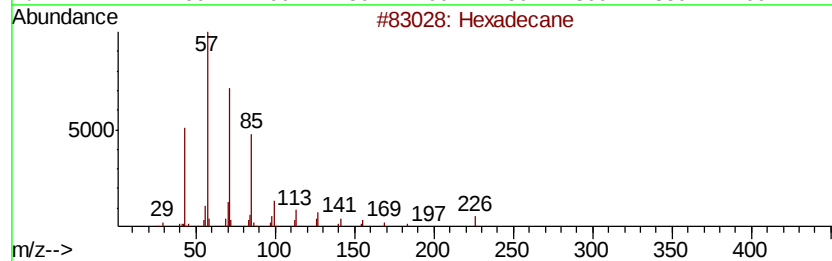
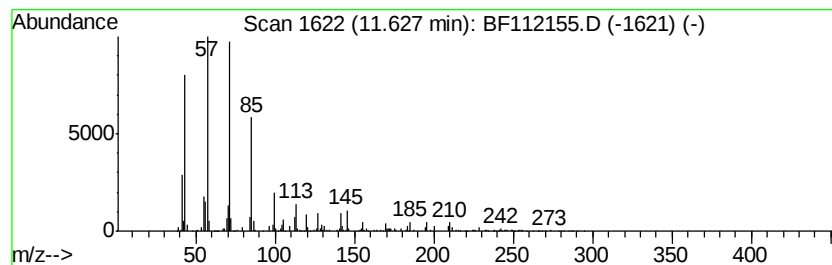
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF011619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Hexadecane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.63	14.49 ng	1944480	Phenanthrene-d10	11.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane	226	C16H34	000544-76-3	86
2		Heneicosane	296	C21H44	000629-94-7	86
3		Hentriacontane	437	C31H64	000630-04-6	86
4		Octadecane	254	C18H38	000593-45-3	86
5		2-Bromotetradecane	276	C14H29Br	074036-95-6	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF012119\
 Data File : BF112155.D
 Acq On : 21 Jan 2019 13:38
 Operator : JU/SJ
 Sample : K1102-03 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CPSB-02(15-20)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF011619.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
unknown6.62	6.62	12.8	ng	1264750	1	6.85	1975430	20.0
unknown7.50	7.50	6.7	ng	720829	2	8.13	2144860	20.0
Undecane, 5-methyl-	7.56	7.5	ng	808533	2	8.13	2144860	20.0
Undecane, 2,6-dim...	8.20	13.2	ng	1413030	2	8.13	2144860	20.0
Cyclohexane, (1-m...	8.43	8.2	ng	882252	2	8.13	2144860	20.0
Octane, 2,6-dimet...	8.56	12.1	ng	1300710	2	8.13	2144860	20.0
Hexadecane, 2,6,1...	8.82	8.0	ng	860017	2	8.13	2144860	20.0
unknown9.30	9.30	9.6	ng	1519920	3	9.89	3173390	20.0
Naphthalene, 2,7-...	9.48	5.4	ng	855811	3	9.89	3173390	20.0
unknown9.76	9.76	6.9	ng	1088180	3	9.89	3173390	20.0
unknown9.80	9.80	8.3	ng	1318810	3	9.89	3173390	20.0
3-(2-Methyl-prope...	10.00	5.1	ng	811542	3	9.89	3173390	20.0
unknown10.15	10.15	7.4	ng	1178630	3	9.89	3173390	20.0
Naphthalene, 2,3,...	10.21	7.4	ng	1173900	3	9.89	3173390	20.0
Benzamide, 3-fluo...	10.30	9.2	ng	1456670	3	9.89	3173390	20.0
Pentadecane, 2,6,...	10.55	19.1	ng	3022850	3	9.89	3173390	20.0
Tridecane, 5-propyl-	10.82	47.2	ng	6339160	4	11.39	2683930	20.0
Tetradecane	11.29	49.3	ng	6611620	4	11.39	2683930	20.0
Hexadecane	11.63	14.5	ng	1944480	4	11.39	2683930	20.0