LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090718\
Data File : BF108855.D
Acq On : 7 Sep 2018 12:51
Operator : JU/SJ
Sample : J4803-21
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP1-Q2-FD-01

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-BF090518.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	4.931	437	441	449	rVB	144320	174751	3.69%	0.264%
2	5.343	506	511	515	rBV	3800408	3919338	82.68%	5.930%
3	5.754	574	581	586	rVB3	46430	64429	1.36%	0.097%
4	5.819	586	592	595	rBV2	36228	58151	1.23%	0.088%
5	5.896	600	605	610	rVB	65059	77243	1.63%	0.117%
6	5.948	610	614	619	rBV3	54519	86741	1.83%	0.131%
7	5.995	619	622	625	rBV	209714	211064	4.45%	0.319%
8	6.054	628	632	634	rBV	216938	183311	3.87%	0.277%
9	6.184	649	654	657	rBV	144405	187307	3.95%	0.283%
10	6.248	662	665	667	rVB	109957	78433	1.65%	0.119%
11	6.278	667	670	673	rBV2	217139	253840	5.35%	0.384%
12	6.372	679	686	689	rBV	4043671	4484031	94.59%	6.784%
13	6.419	692	694	696	rVB	126152	95948	2.02%	0.145%
14	6.443	696	698	702	rVB	102246	105196	2.22%	0.159%
15	6.501	702	708	711	rBV	4462021	4587547	96.78%	6.941%
16	6.525	711	712	716	rVB4	87292	67116	1.42%	0.102%
17	6.590	721	723	724	rBV	156098	121848	2.57%	0.184%
18	6.601	724	725	728	rVB	175507	138356	2.92%	0.209%
19	6.654	728	734	735	rBV4	112331	155037	3.27%	0.235%
20	6.690	735	740	742	rBV3	147663	226044	4.77%	0.342%
21	6.737	742	748	750	rVV	2049594	1893202	39.94%	2.864%
22	6.766	750	753	756	rVB	1195130	1089930	22.99%	1.649%
23	6.807	756	760	763	rBV2	373198	423339	8.93%	0.641%
24	6.843	763	766	768	rBV3	219314	274464	5.79%	0.415%
25	6.895	768	775	778	rVV	3759298	3754477	79.20%	5.681%
26	6.931	779	781	784	rVB	303853	238495	5.03%	0.361%
27	6.960	784	786	787	rBV2	165874	141992	3.00%	0.215%
28	6.984	787	790	792	rVB3	232137	160404	3.38%	0.243%
29	7.025	792	797	801	rVB4	508259	771054	16.27%	1.167%
30	7.060	801	803	806	rVB2	266994	198579	4.19%	0.300%
31	7.095	806	809	812	rBV2	365286	439840	9.28%	0.665%
32	7.137	814	816	818	rVB2	462651	329313	6.95%	0.498%
33	7.172	818	822	824	rBV3	243423	331560	6.99%	0.502%
34	7.225	829	831	834	rVV	260642	313737	6.62%	0.475%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090718\
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Acq On : 7 Sep 2018 12:51
Operator : JU/SJ
Sample : J4803-21
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP1-Q2-FD-01

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-BF090518.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.295	834	843	846	rVV	3290931	4065010	85.75%	6.150%
36	7.331	846	849	850	rVV	348970	421480	8.89%	0.638%
37	7.348	850	852	855	rVV3	414541	479790	10.12%	0.726%
38	7.390	855	859	864	rVV4	614851	1058545	22.33%	1.602%
39	7.442	864	868	869	rVV3	360911	473162	9.98%	0.716%
40	7.466	869	872	876	rVV4	541061	755558	15.94%	1.143%
41	7.501	876	878	881	rVV2	320905	436021	9.20%	0.660%
42	7.537	881	884	885	rVV	649434	661449	13.95%	1.001%
43	7.548	885	886	890	rVV	611516	529523	11.17%	0.801%
44	7.590	890	893	895	rVV	181767	224749	4.74%	0.340%
45	7.613	895	897	899	rVV2	185752	213319	4.50%	0.323%
46	7.642	899	902	903	rVV2	236664	271484	5.73%	0.411%
47	7.666	903	906	910	rVB4	766698	828353	17.47%	1.253%
48	7.713	910	914	917	rBV3	229399	327372	6.91%	0.495%
49	7.748	918	920	923	rVV2	141044	118496	2.50%	0.179%
50	7.784	923	926	929	rVV4	142191	182250	3.84%	0.276%
51	7.854	936	938	942	rVB3	226004	202400	4.27%	0.306%
52	7.895	942	945	946	rBV3	94517	85511	1.80%	0.129%
53	7.913	946	948	950	rVV2	89189	73652	1.55%	0.111%
54	7.966	955	957	959	rVV2	120686	111564	2.35%	0.169%
55	8.019	962	966	969	rVB	2487063	2189572	46.19%	3.313%
56	8.095	977	979	982	rVB	298471	222643	4.70%	0.337%
57	8.195	994	996	1001	rVB5	66838	87027	1.84%	0.132%
58	8.313	1013	1016	1020	rVB5	50257	84521	1.78%	0.128%
59	8.454	1037	1040	1045	rBV2	132560	129684	2.74%	0.196%
60	8.636	1066	1071	1076	rBV6	32637	59481	1.25%	0.090%
61	8.713	1081	1084	1090	rVB5	41452	79333	1.67%	0.120%
62	9.054	1139	1142	1144	rVB	78457	68078	1.44%	0.103%
63	9.095	1144	1149	1152	rBV	5367247	4740354	100.00%	7.172%
64	9.483	1211	1215	1218	rBV	1720127	1347491	28.43%	2.039%
65	9.766	1259	1263	1267	rBV2	2817087	2382267	50.26%	3.604%
66	10.548	1392	1396	1399	rBV	3164607	2835898	59.82%	4.291%
67	11.242	1510	1514	1517	rBV	2869875	2357547	49.73%	3.567%
68	11.266	1517	1518	1521	rVB	247897	122304	2.58%	0.185%
69	11.313	1521	1526	1529	rBV2	74579	72298	1.53%	0.109%
70	11.783	1601	1606	1609	rBV2	261771	304112	6.42%	0.460%
71	11.854	1615	1618	1620	rBV	56797	59684	1.26%	0.090%

LSC Area Percent Report

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Operator : JU/SJ
Sample : J4803-21
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP1-Q2-FD-01

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-BF090518.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.448	1716	1719	1722	rBV	334542	282865	5.97%	0.428%
73	12.501	1724	1728	1732	rBV2	133468	148195	3.13%	0.224%
74	12.566	1736	1739	1742	rBV3	65046	84128	1.77%	0.127%
75	12.672	1752	1757	1760	rBV	292984	307807	6.49%	0.466%
76	12.824	1779	1783	1787	rBV	4175835	3925950	82.82%	5.940%
77	13.101	1828	1830	1838	rVB7	55121	84014	1.77%	0.127%
78	13.383	1876	1878	1881	rBV2	56717	61954	1.31%	0.094%
79	13.730	1934	1937	1945	rVB	269844	329999	6.96%	0.499%
80	13.866	1956	1960	1963	rBV	2165103	1956602	41.28%	2.960%
81	14.054	1990	1992	1995	rVB	91952	74350	1.57%	0.112%
82	14.360	2041	2044	2049	rBV	128048	133419	2.81%	0.202%
83	14.624	2086	2089	2092	rBV	138372	159268	3.36%	0.241%
84	14.654	2092	2094	2100	rVV	205216	205596	4.34%	0.311%
85	14.724	2103	2106	2110	rVB	219797	203366	4.29%	0.308%
86	14.871	2128	2131	2134	rBV	97018	132441	2.79%	0.200%
87	14.977	2145	2149	2156	rVB	284428	322081	6.79%	0.487%
88	15.154	2177	2179	2183	rVV	54852	57341	1.21%	0.087%
89	15.213	2186	2189	2194	rVV	107382	125005	2.64%	0.189%
90	15.271	2195	2199	2205	rVV	1382673	1652032	34.85%	2.500%
91	15.330	2205	2209	2221	rVB	375909	524481	11.06%	0.794%
92	15.742	2274	2279	2284	rBV	320996	476039	10.04%	0.720%
93	16.212	2354	2359	2368	rVB3	206149	403827	8.52%	0.611%
94	16.759	2448	2452	2460	rBV3	67504	144621	3.05%	0.219%

Sum of corrected areas: 66093480

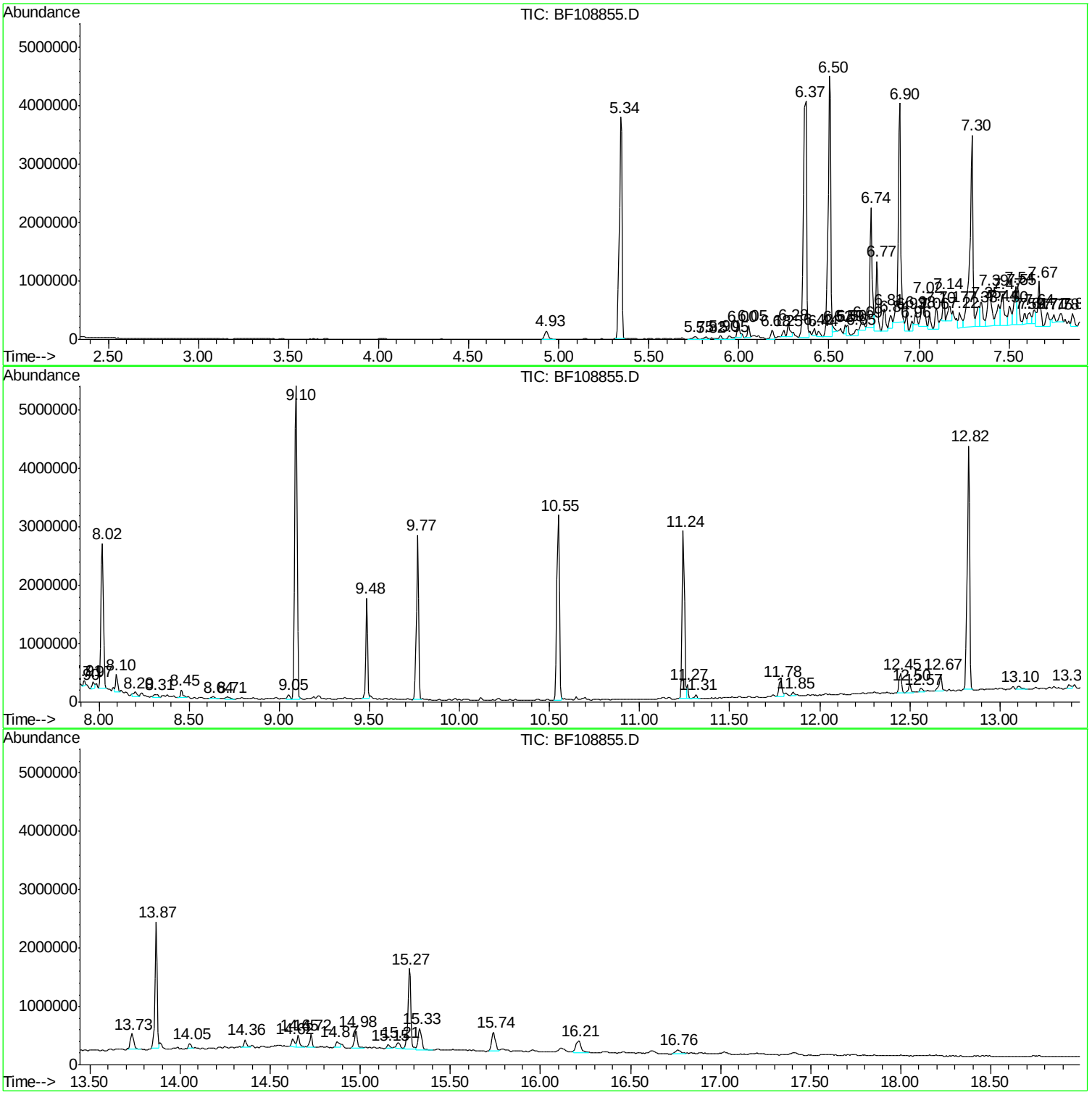
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090718\
Data File : BF108855.D
Acq On : 7 Sep 2018 12:51
Operator : JU/SJ
Sample : J4803-21
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP1-Q2-FD-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF090518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090718\
Data File : BF108855.D
Acq On : 7 Sep 2018 12:51
Operator : JU/SJ
Sample : J4803-21
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP1-Q2-FD-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF090518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

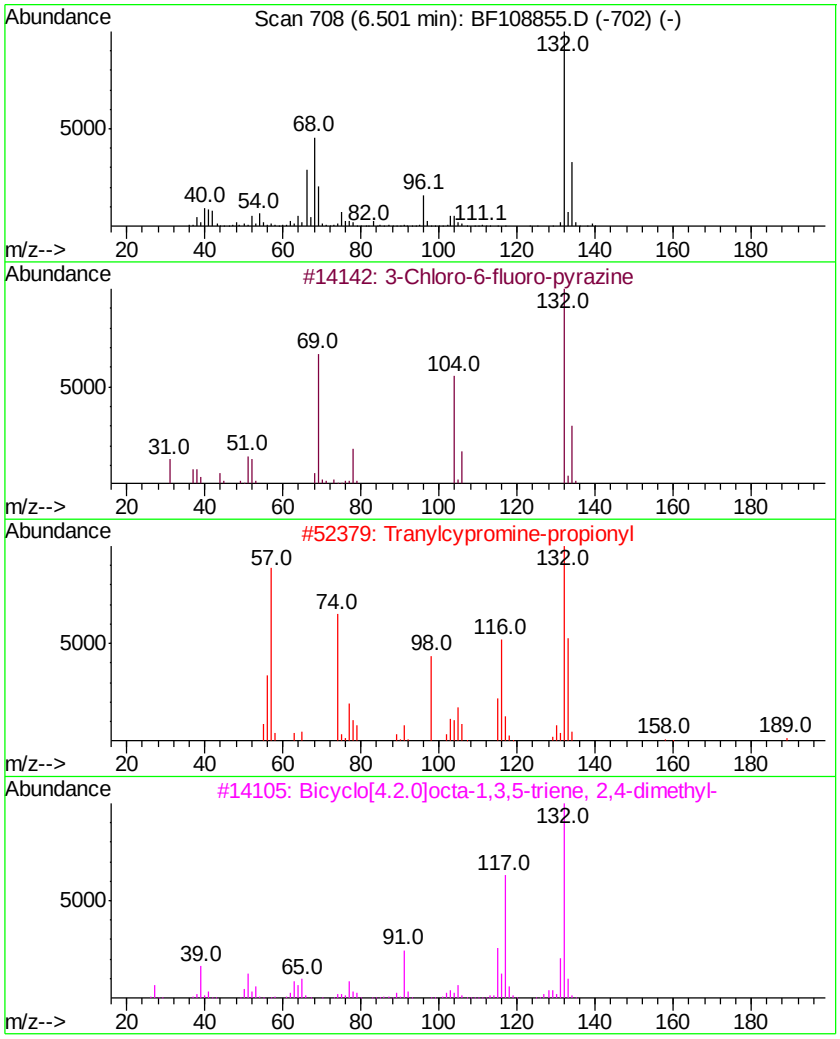
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

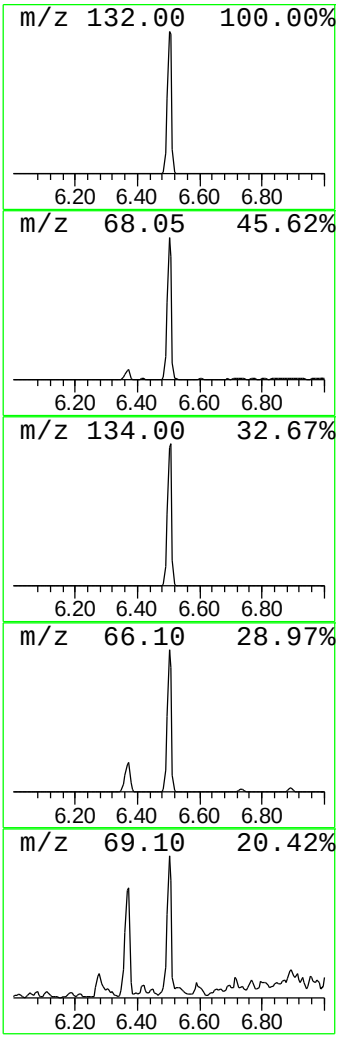
****

Peak Number 1 unknown6.50 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.50	48.46 ng	4587550	1,4-Dichlorobenzene-d4	6.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9
5	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090718\
Data File : BF108855.D
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Sample : J4803-21
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP1-Q2-FD-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF090518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

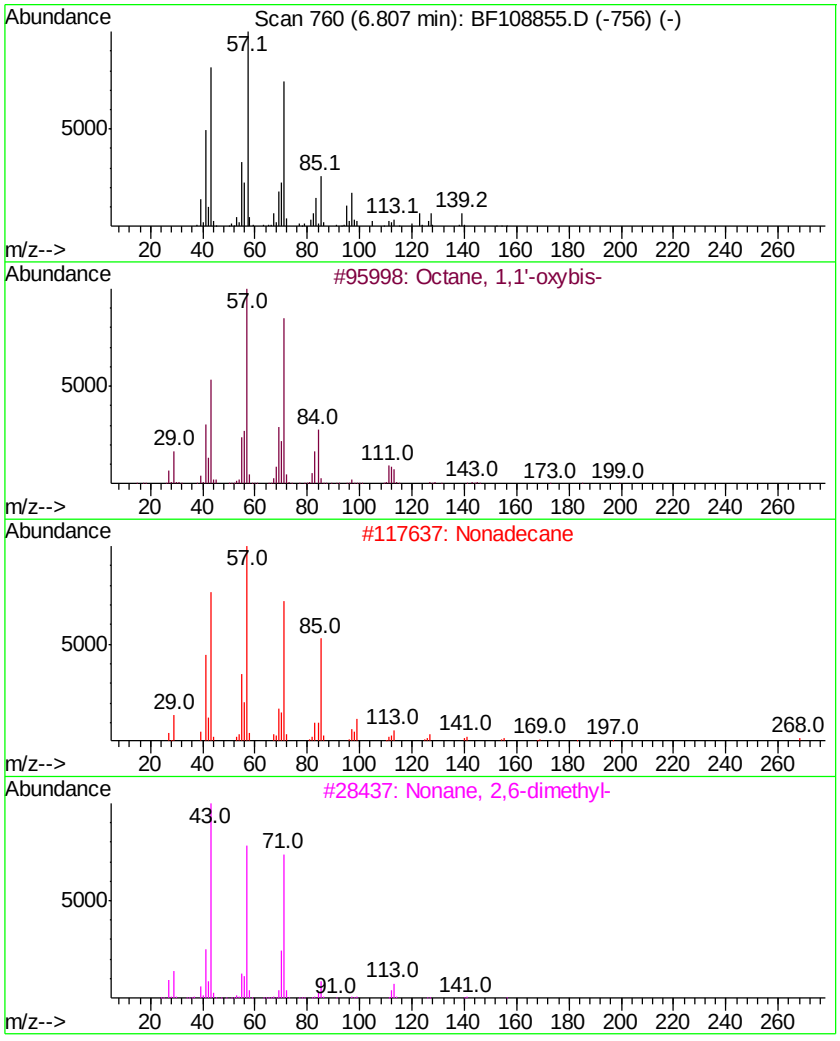
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

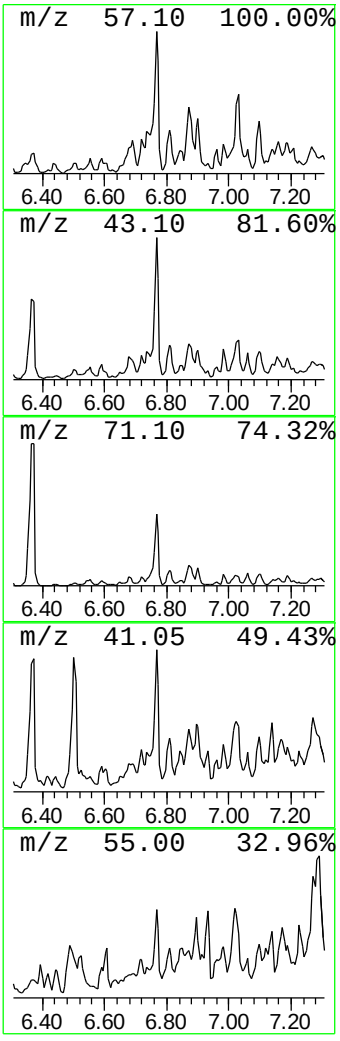
****

Peak Number 2 Octane, 1,1'-oxybis- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.81	4.47 ng	423339	1,4-Dichlorobenzene-d4	6.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 1,1'-oxybis-	242	C16H34O	000629-82-3	59
2	Nonadecane	268	C19H40	000629-92-5	59
3	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	53
4	Undecane, 5-methyl-	170	C12H26	001632-70-8	53
5	Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1000309-19-2	53





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090718\
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Acq On : 7 Sep 2018 12:51
Operator : JU/SJ
Sample : J4803-21
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP1-Q2-FD-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF090518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

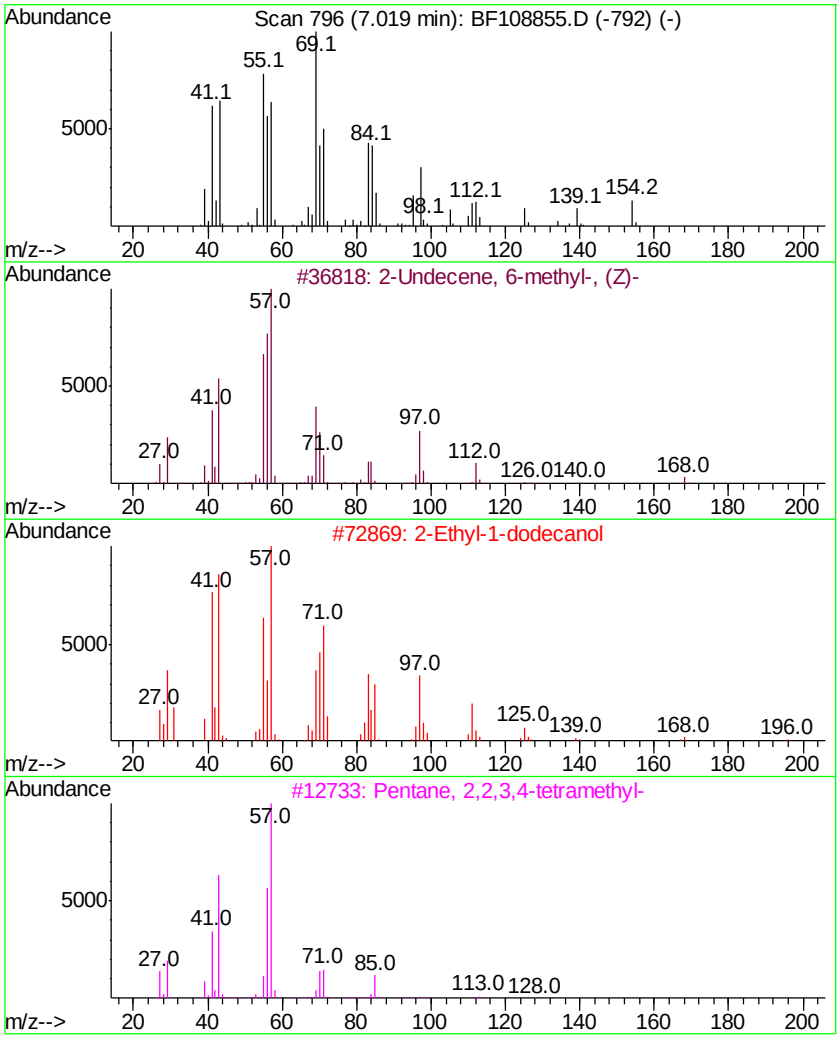
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

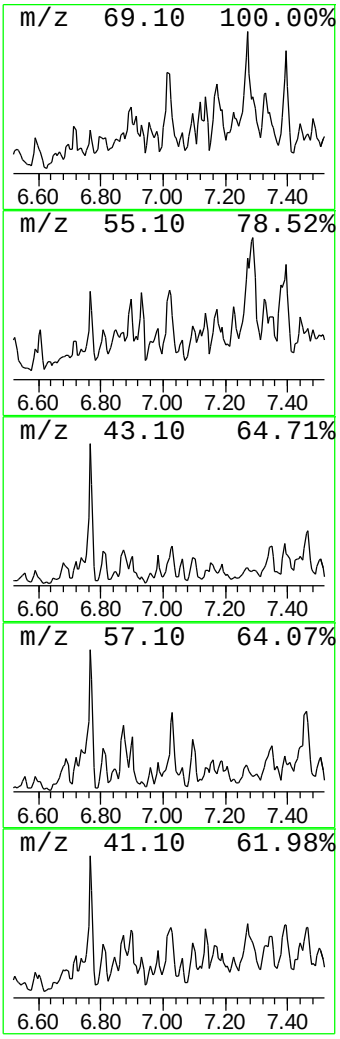
****

Peak Number 4 2-Undecene, 6-methyl-, (Z)- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.02	8.15 ng	771054	1,4-Dichlorobenzene-d4	6.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Undecene, 6-methyl-, (Z)-	168	C12H24	074630-43-6	50
2	2-Ethyl-1-dodecanol	214	C14H30O	019780-33-7	50
3	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	47
4	Isobutyl octyl carbonate	230	C13H26O3	1000372-74-6	43
5	Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090718\
Data File : BF108855.D
Acq On : 7 Sep 2018 12:51
Operator : JU/SJ
Sample : J4803-21
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP1-Q2-FD-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF090518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

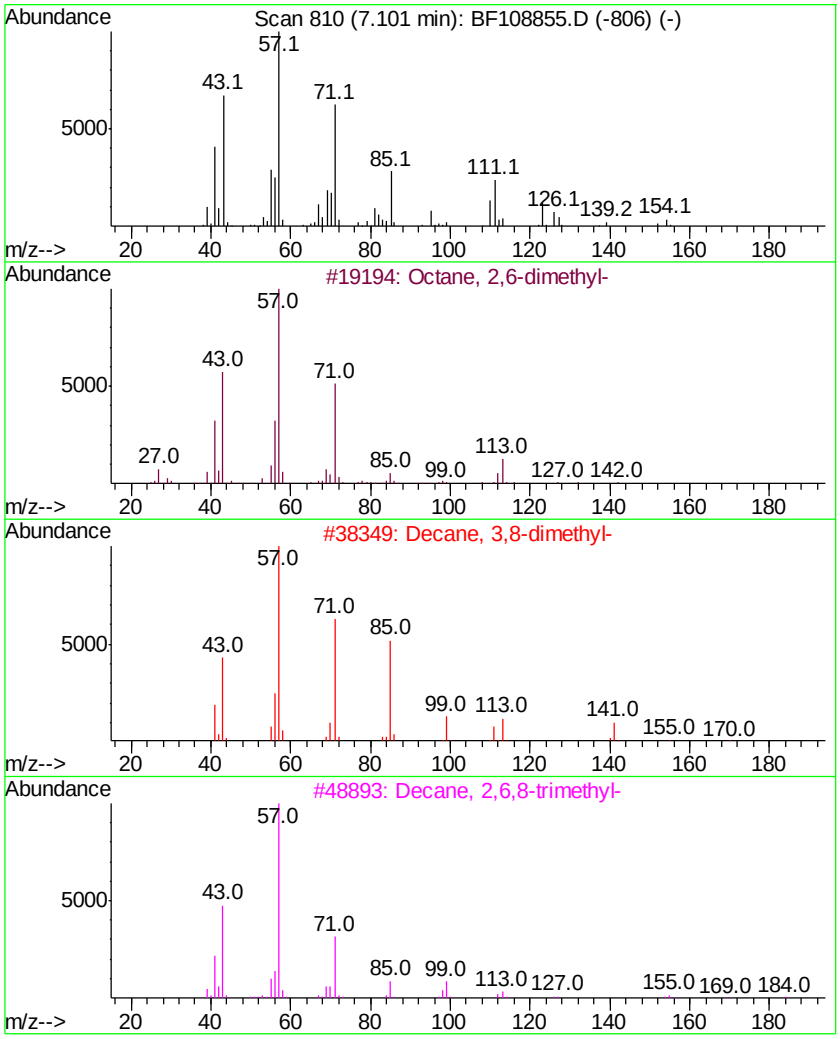
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

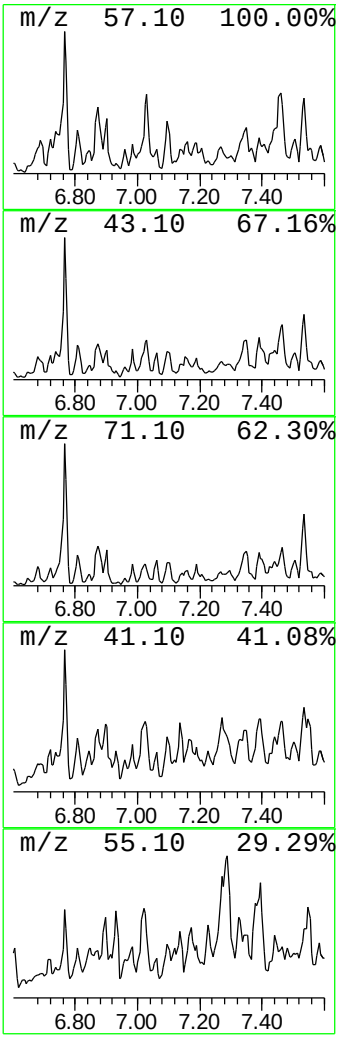
****

Peak Number 5 Octane, 2,6-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.10	4.65 ng	439840	1,4-Dichlorobenzene-d4	6.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	53
2	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	50
3	Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	50
4	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	50
5	Undecane, 6-ethyl-	184	C13H28	017312-60-6	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090718\
Data File : BF108855.D
Acq On : 7 Sep 2018 12:51
Operator : JU/SJ
Sample : J4803-21
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP1-Q2-FD-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF090518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

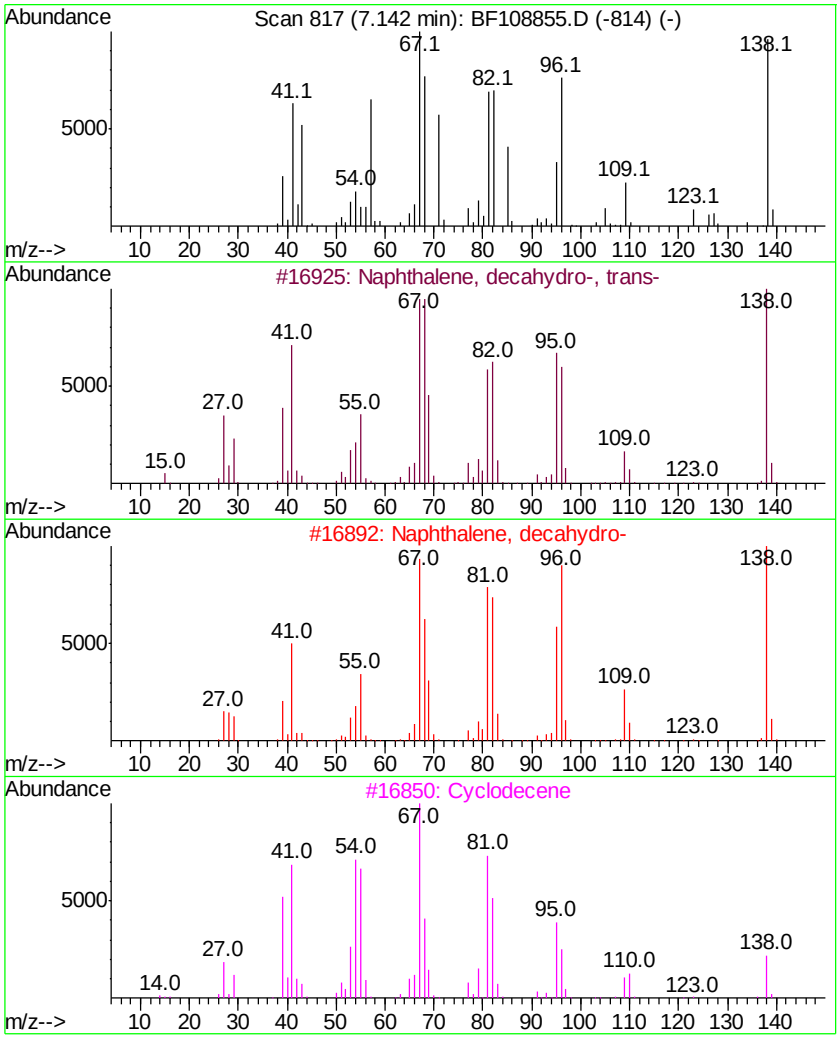
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

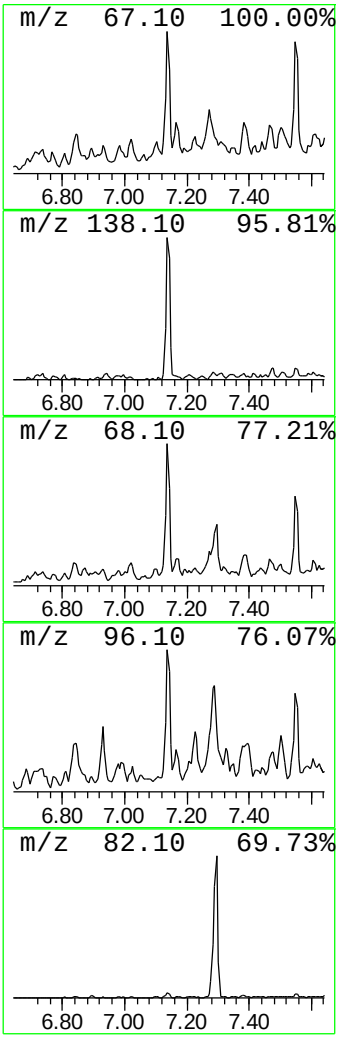
****

Peak Number 6 Naphthalene, decahydro-, tr... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.14	3.48 ng	329313	1,4-Dichlorobenzene-d4	6.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	93
2	Naphthalene, decahydro-	138	C10H18	000091-17-8	86
3	Cyclodecene	138	C10H18	003618-12-0	70
4	Spiro[4.5]decane	138	C10H18	000176-63-6	70
5	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	60





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090718\
Data File : BF108855.D
Acq On : 7 Sep 2018 12:51
Operator : JU/SJ
Sample : J4803-21
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP1-Q2-FD-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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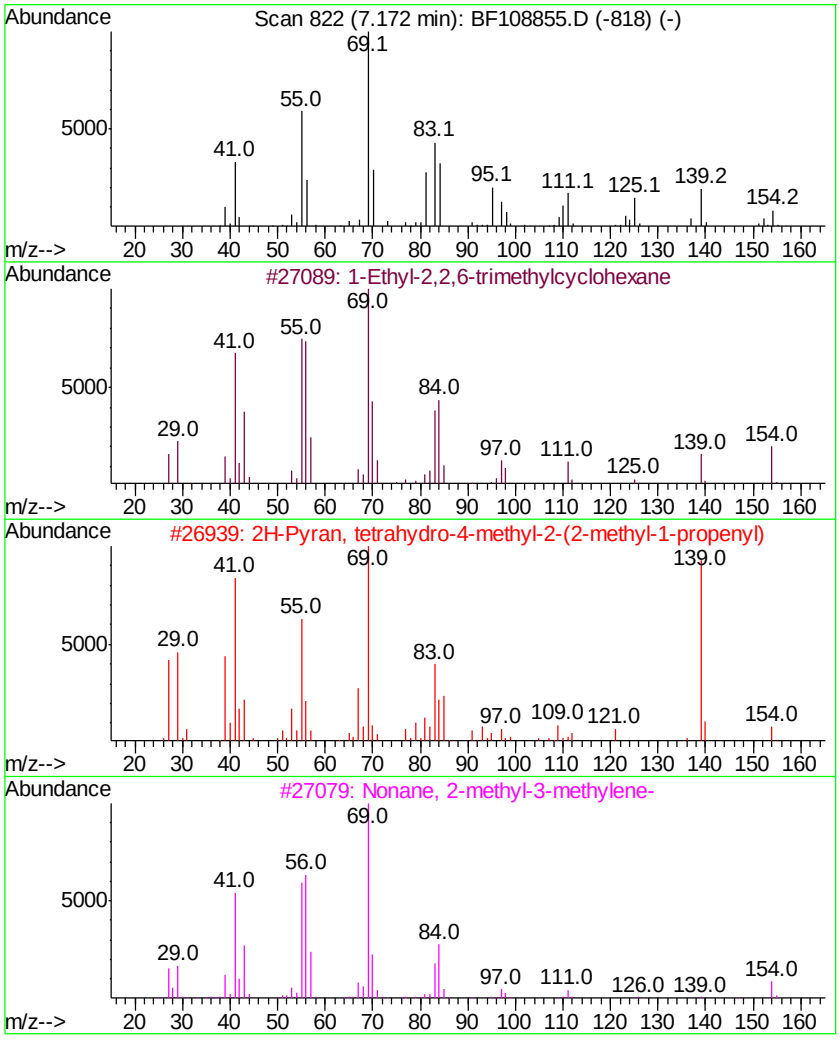
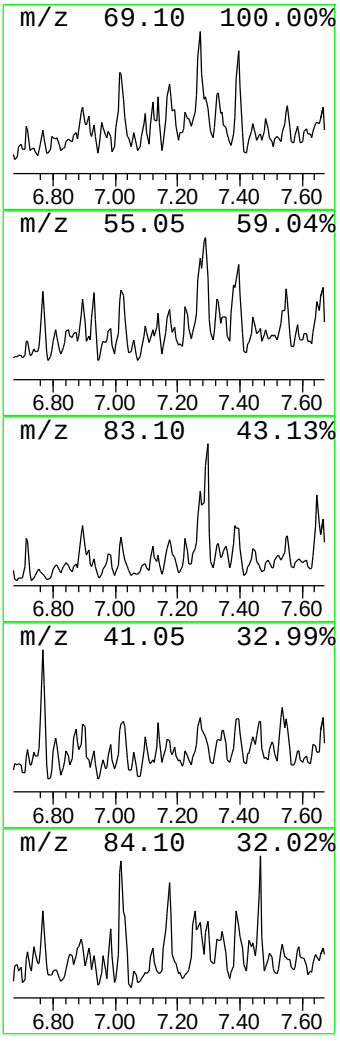
Peak Number 7 unknown7.17 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.17	3.50 ng	331560	1,4-Dichlorobenzene-d4	6.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-2,2,6-trimethylcyclohexane	154	C11H22	071186-27-1	47
2	2H-Pyran, tetrahydro-4-methyl-2-...	154	C10H18O	016409-43-1	47
3	Nonane, 2-methyl-3-methylene-	154	C11H22	055499-08-6	43
4	Heptane, 2-methyl-3-methylene-	126	C9H18	062187-11-5	38
5	2-Pentene, 4-methyl-, (Z)-	84	C6H12	000691-38-3	35





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Operator : JU/SJ
Sample : J4803-21
Misc :
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Instrument : BNA_F
ClientSampleId : EP1-Q2-FD-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF090518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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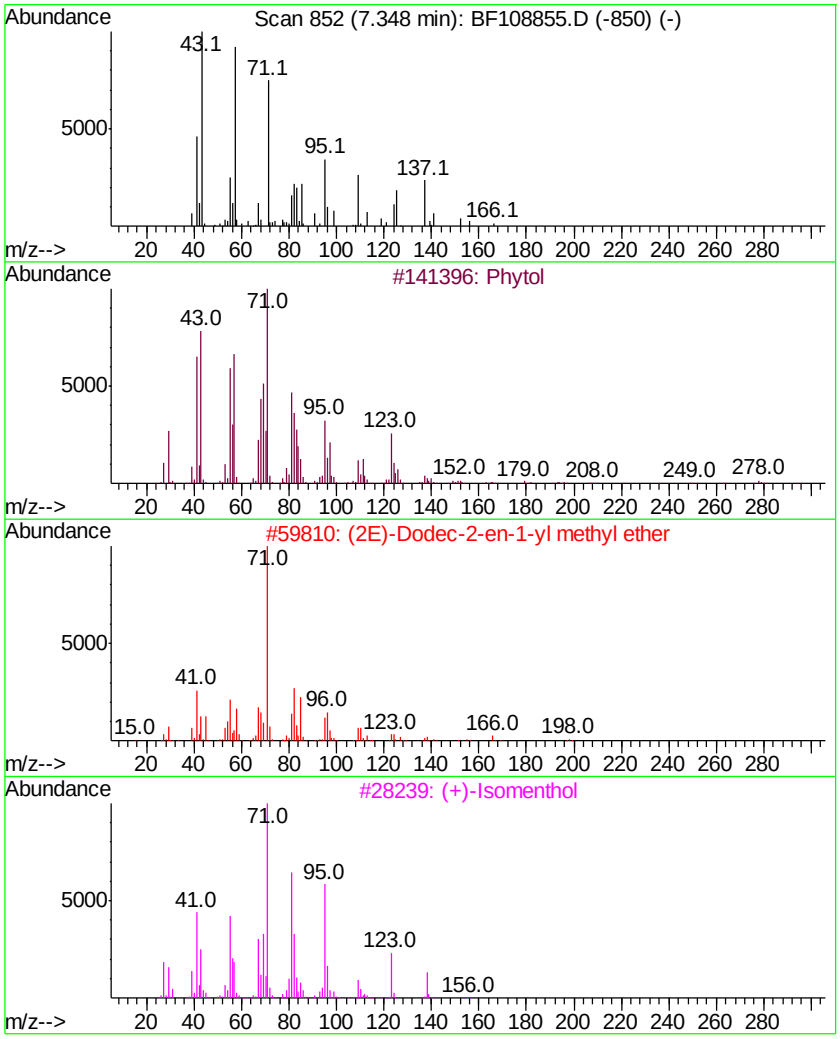
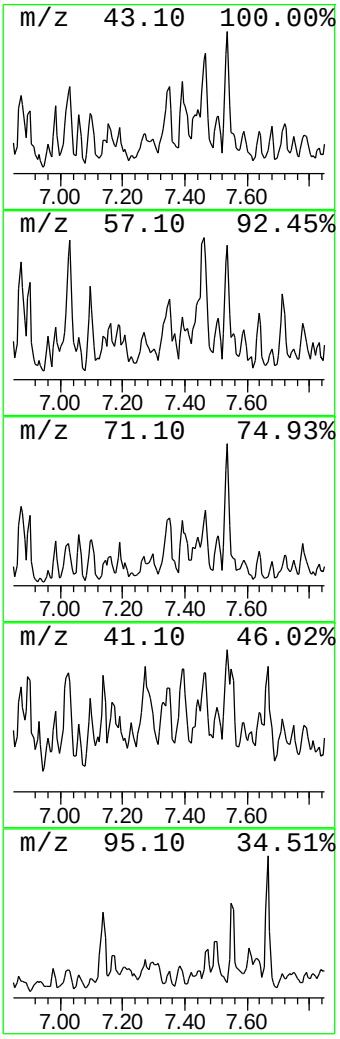
Peak Number 8 Phytol Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.35	5.07 ng	479790	1,4-Dichlorobenzene-d4	6.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phytol	296	C20H40O	000150-86-7	59
2	(2E)-Dodec-2-en-1-yl methyl ether	198	C13H26O	1000334-06-3	38
3	(+)-Isomenthol	156	C10H20O	1000152-08-3	37
4	Cyclohexanol, 1-methyl-4-(1-meth...	156	C10H20O	003901-93-7	35
5	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	27





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ClientSampleId : EP1-Q2-FD-01

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TIC Library : C:\DATABASE\NIST11.L
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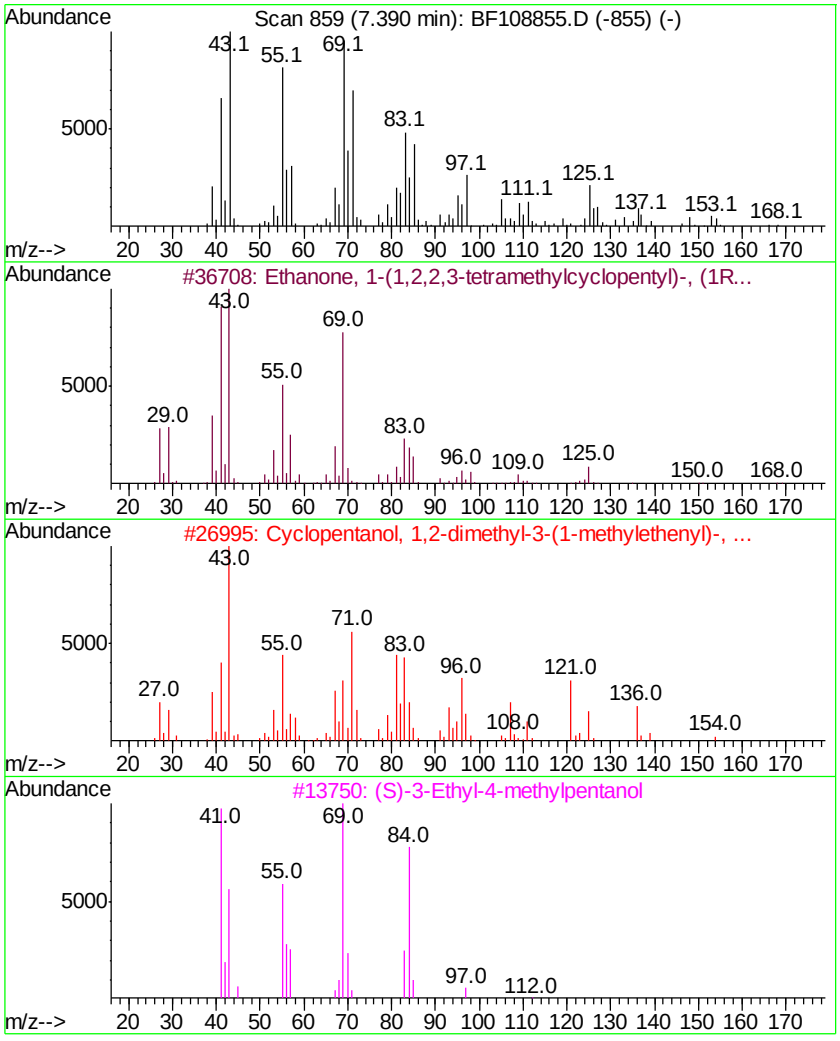
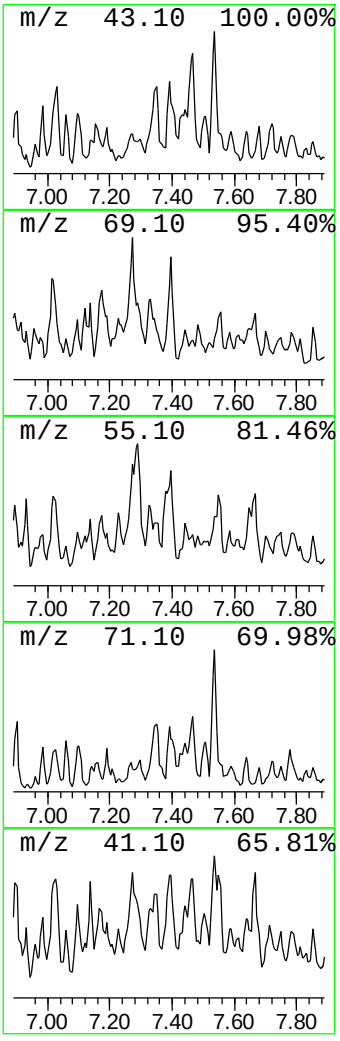
Peak Number 9 unknown7.39 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.39	9.67 ng	1058550	Naphthalene-d8	8.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-(1,2,2,3-tetramethyl...	168	C11H20O	059642-07-8	30
2	Cyclopentanol, 1,2-dimethyl-3-(1...	154	C10H18O	004028-60-8	30
3	(S)-3-Ethyl-4-methylpentanol	130	C8H18O	1000144-07-1	27
4	4-Ethyl-1-hexyn-3-ol	126	C8H14O	051277-03-3	27
5	Ethanone, 1-(2,2-dimethylcyclope...	140	C9H16O	003664-75-3	27





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ClientSampleId : EP1-Q2-FD-01

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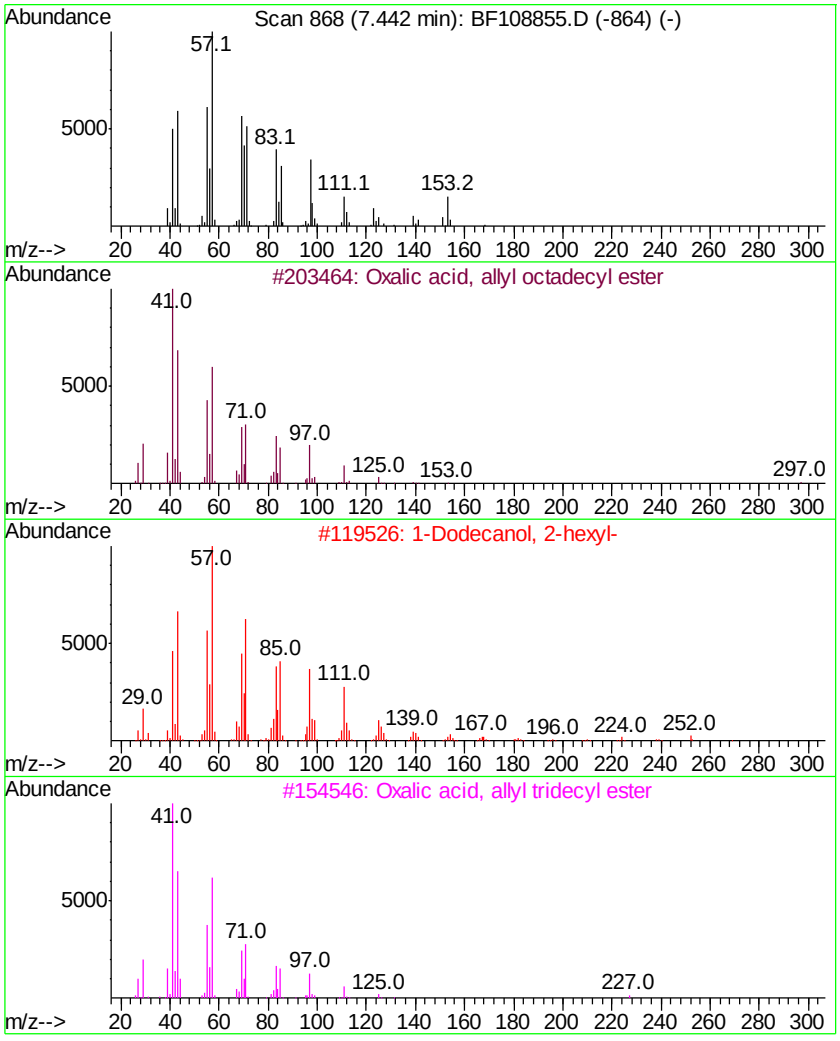
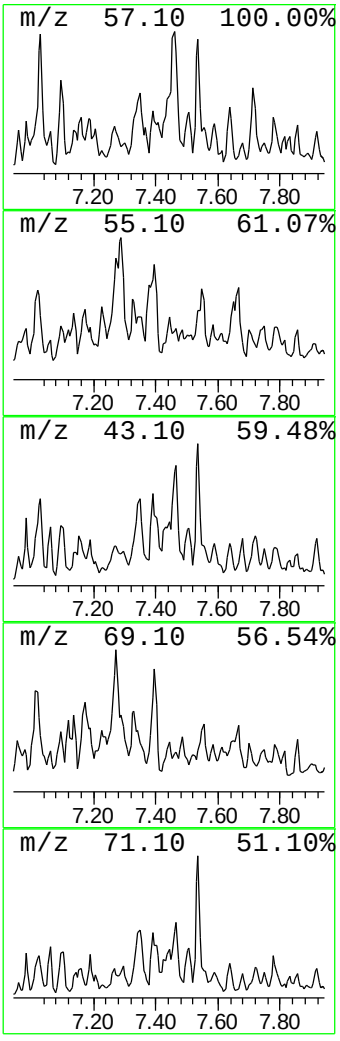
Peak Number 10 Oxalic acid, allyl octadecy... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.44	4.32 ng	473162	Naphthalene-d8	8.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, allyl octadecyl ester	382	C23H42O4	1000309-24-5	58
2	1-Dodecanol, 2-hexyl-	270	C18H38O	110225-00-8	53
3	Oxalic acid, allyl tridecyl ester	312	C18H32O4	1000309-24-1	53
4	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	50
5	Tetradecane, 1-fluoro-	216	C14H29F	000593-33-9	50





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

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

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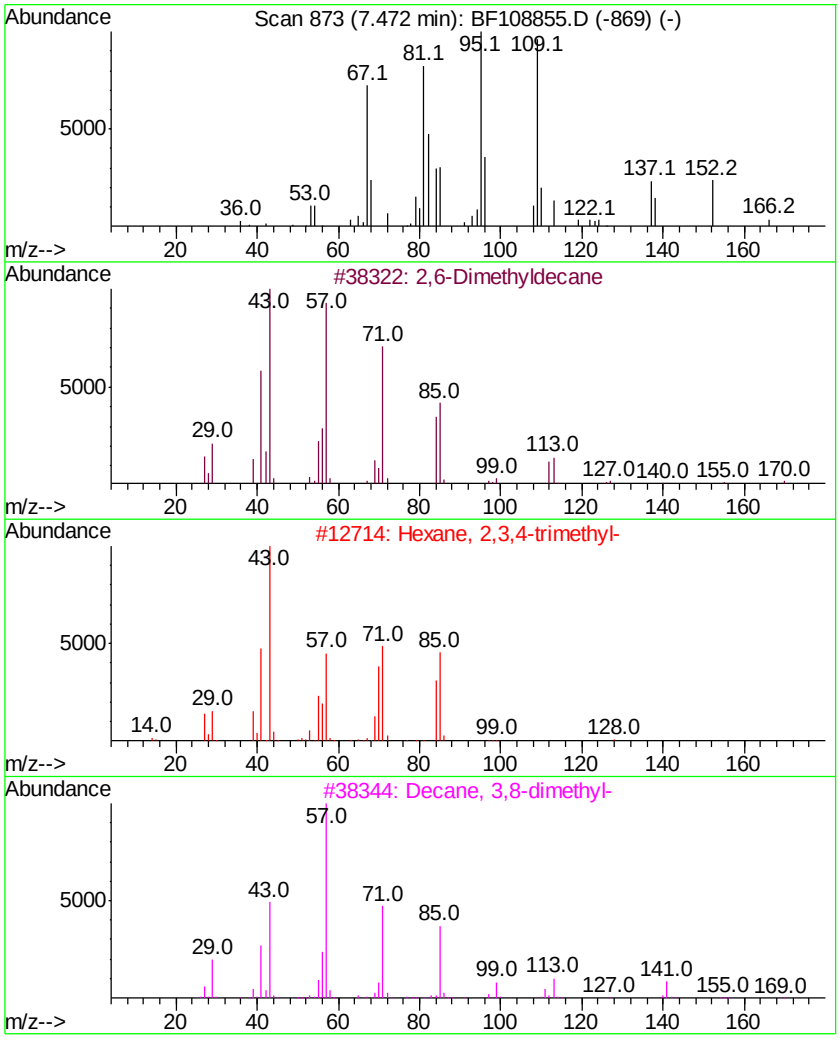
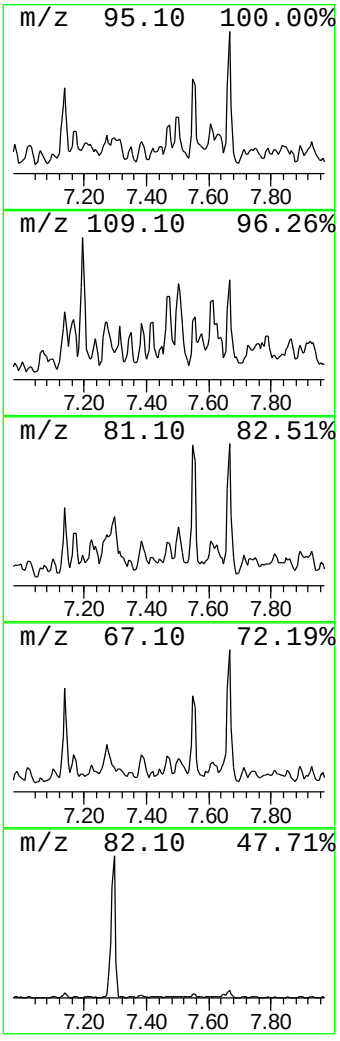
Peak Number 11 2,6-Dimethyldecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.47	6.90 ng	755558	Naphthalene-d8	8.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6-Dimethyldecane	170	C12H26	013150-81-7	53
2	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	52
3	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	47
4	Dodecane	170	C12H26	000112-40-3	46
5	Hexadecane	226	C16H34	000544-76-3	43





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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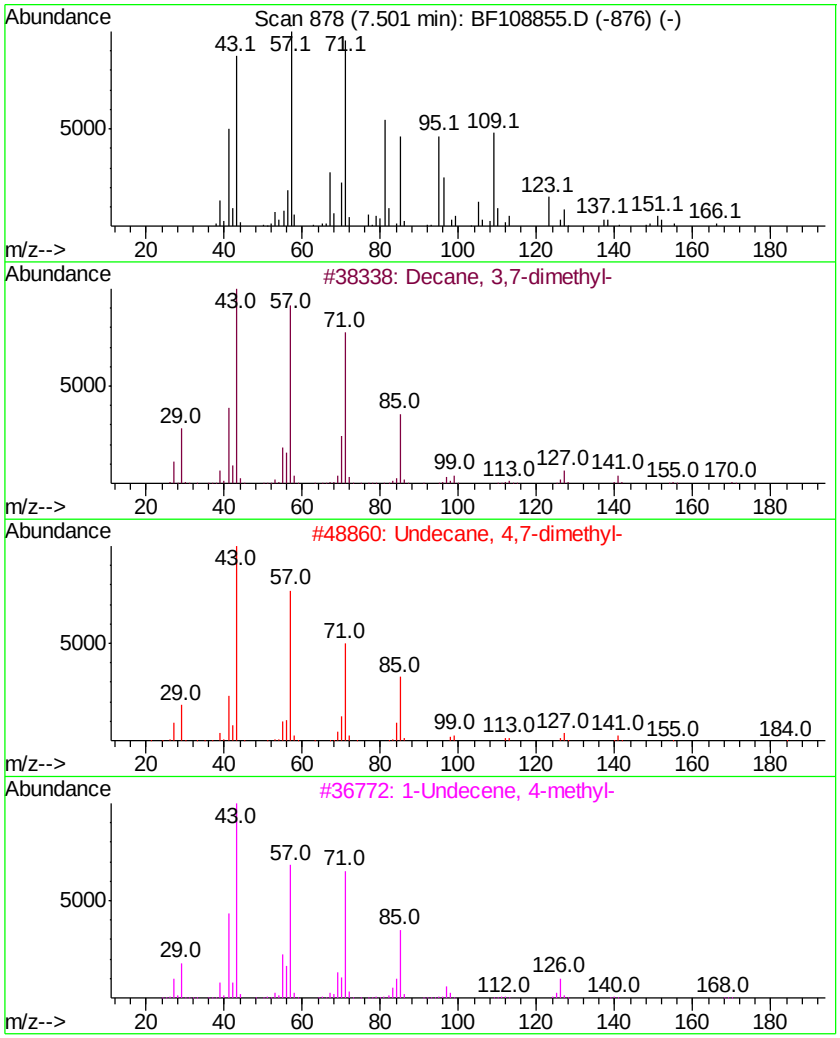
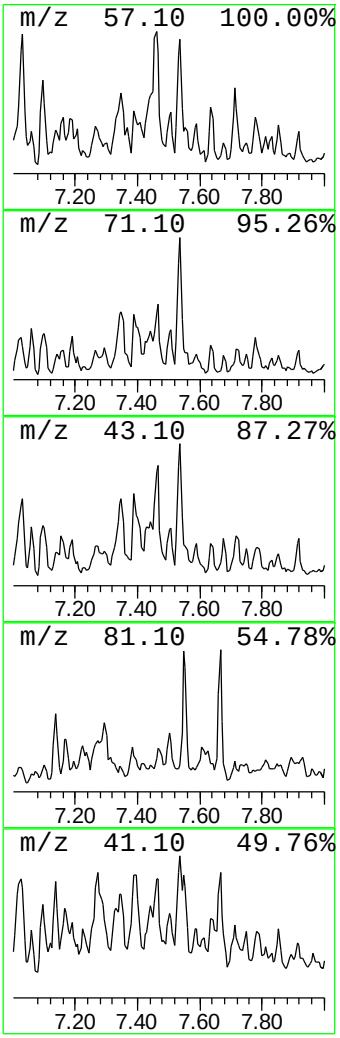
Peak Number 12 unknown7.50 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.50	3.98 ng	436021	Naphthalene-d8	8.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	38
2	Undecane, 4,7-dimethyl-	184	C13H28	017301-32-5	38
3	1-Undecene, 4-methyl-	168	C12H24	074630-39-0	38
4	Sulfurous acid, decyl pentyl ester	292	C15H32O3S	1000309-14-3	35
5	Nonane, 5-methyl-5-propyl-	184	C13H28	017312-75-3	35





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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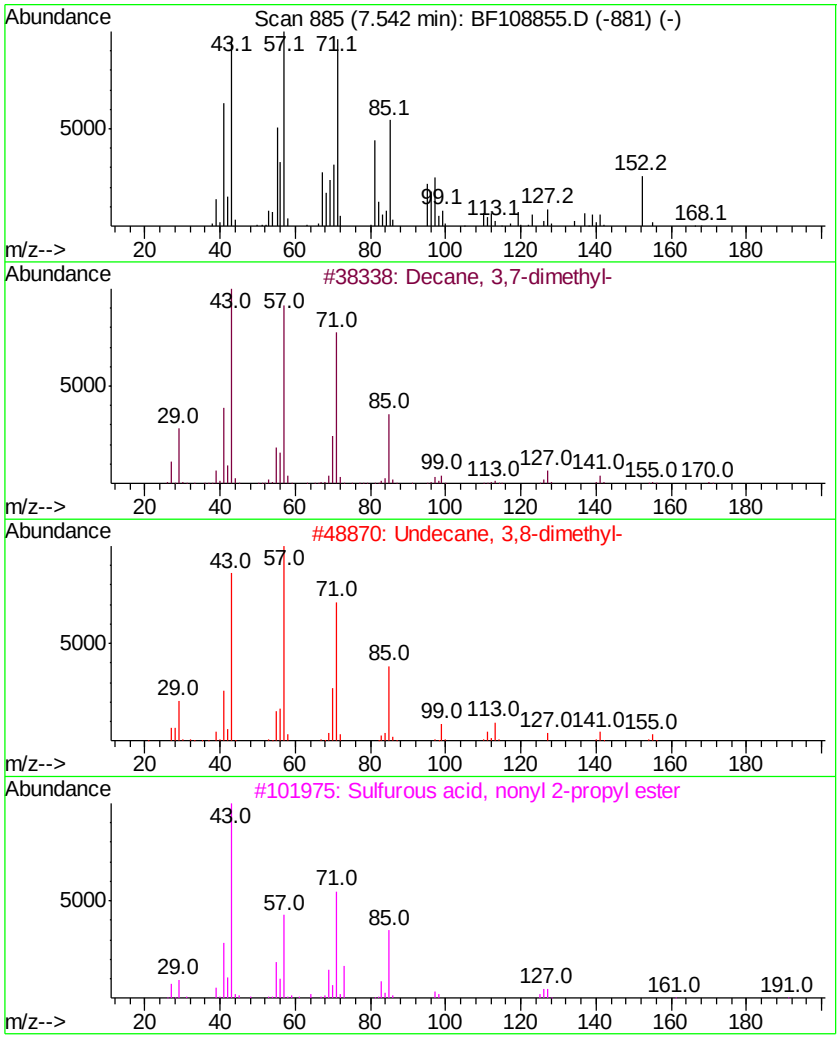
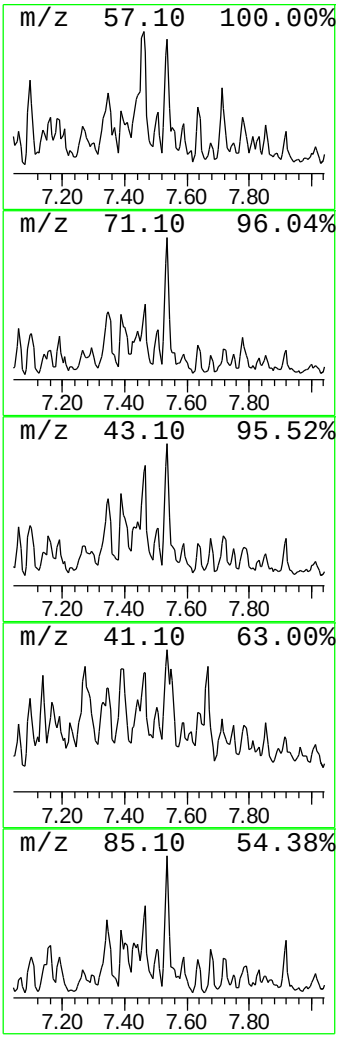
Peak Number 13 Decane, 3,7-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.54	6.04 ng	661449	Naphthalene-d8	8.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	91
2	Undecane, 3,8-dimethyl-	184	C13H28	017301-30-3	78
3	Sulfurous acid, nonyl 2-propyl e...	250	C12H26O3S	1000309-12-0	72
4	Dodecane, 4-methyl-	184	C13H28	006117-97-1	64
5	Nonane, 5-butyl-	184	C13H28	017312-63-9	64





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

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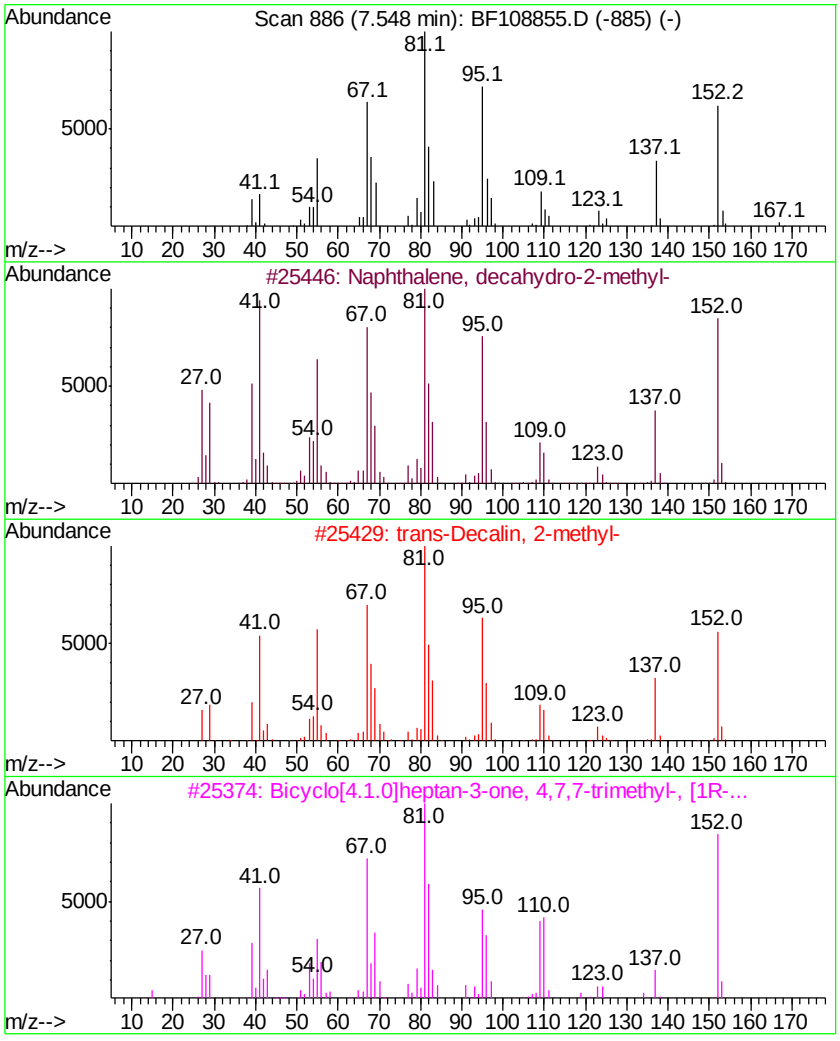
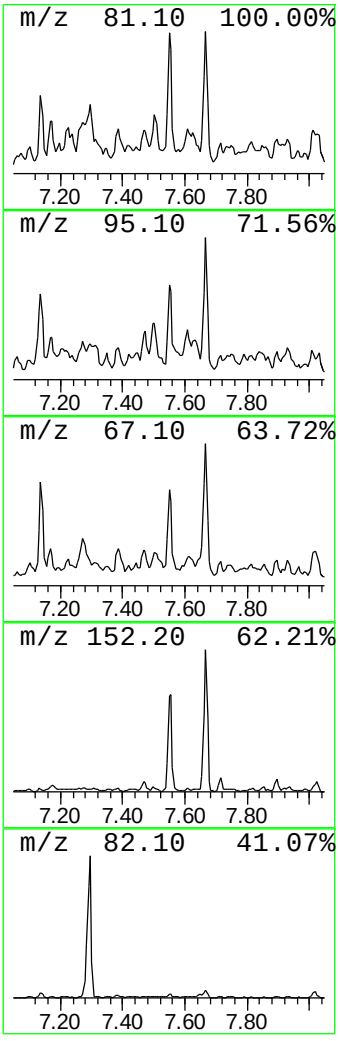
Peak Number 14 Naphthalene, decahydro-2-me... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.55	4.84 ng	529523	Naphthalene-d8	8.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	94
2	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	93
3	Bicyclo[4.1.0]heptan-3-one, 4,7,...	152	C10H16O	004176-04-9	74
4	1-Tridecyne	180	C13H24	026186-02-7	72
5	Cyclohexanone, 2-methyl-5-(1-met...	152	C10H16O	005948-04-9	64





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ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP1-Q2-FD-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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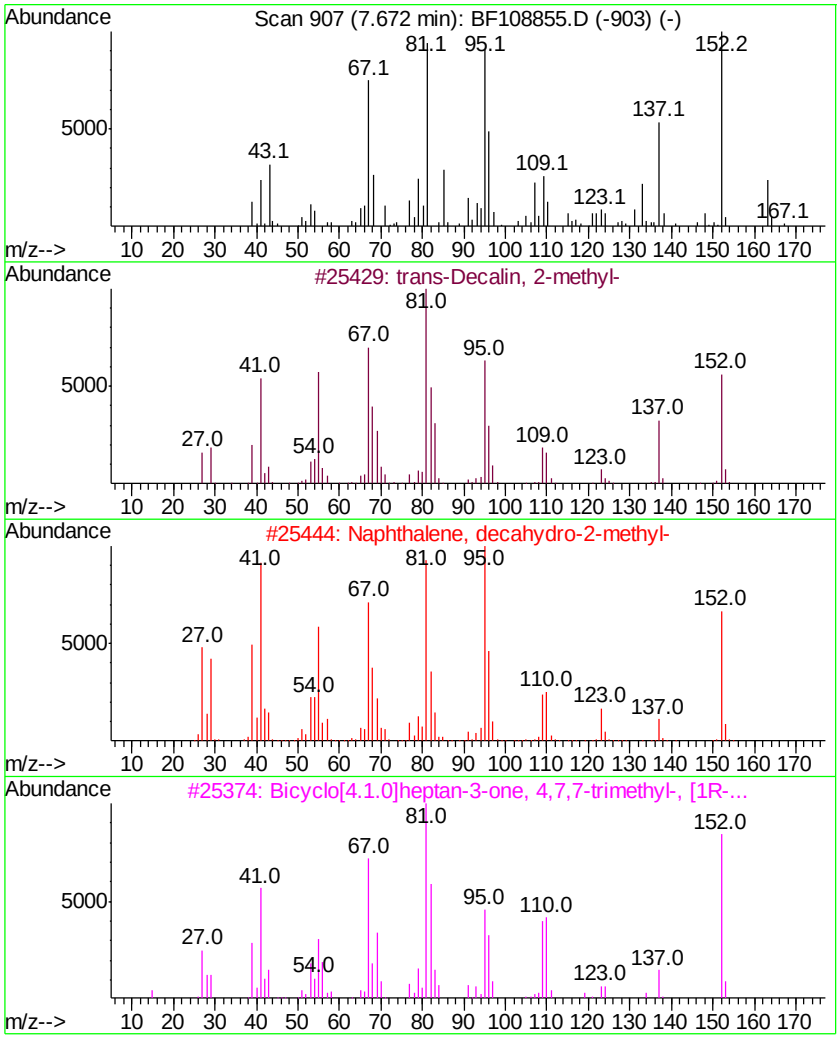
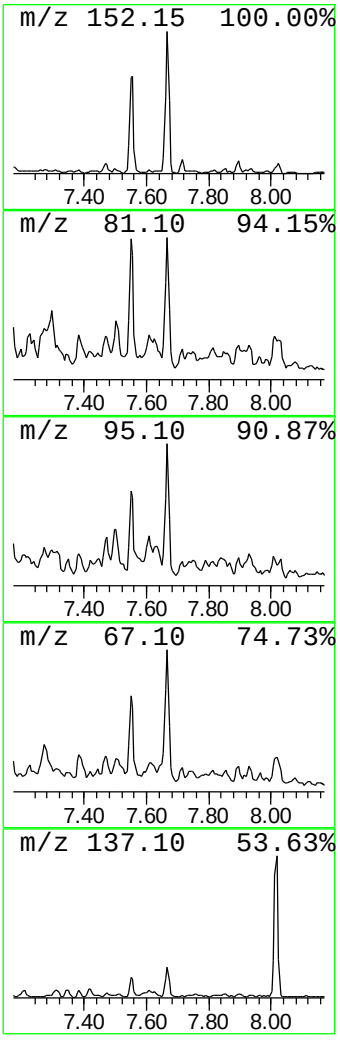
Peak Number 15 trans-Decalin, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.67	7.57 ng	828353	Naphthalene-d8	8.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	87
2	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	87
3	Bicyclo[4.1.0]heptan-3-one, 4,7,...	152	C10H16O	004176-04-9	58
4	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	58
5	Bicyclo[4.1.0]heptan-3-one, 4,7,...	152	C10H16O	004176-01-6	52





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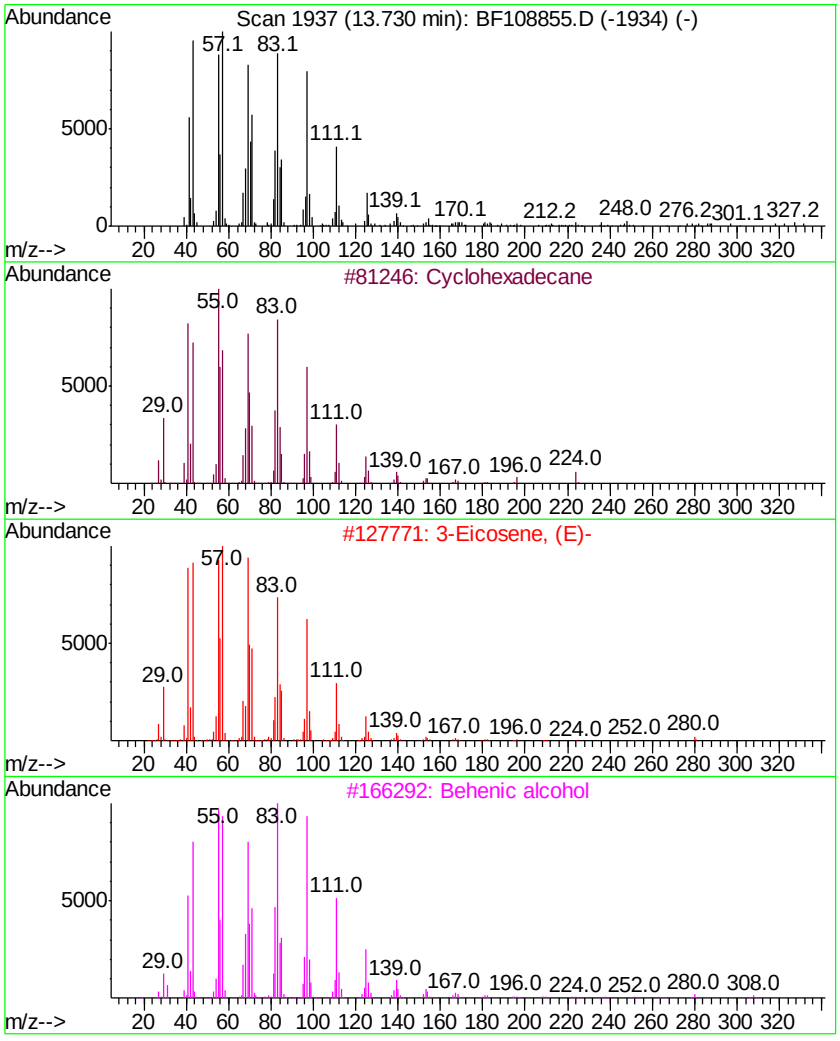
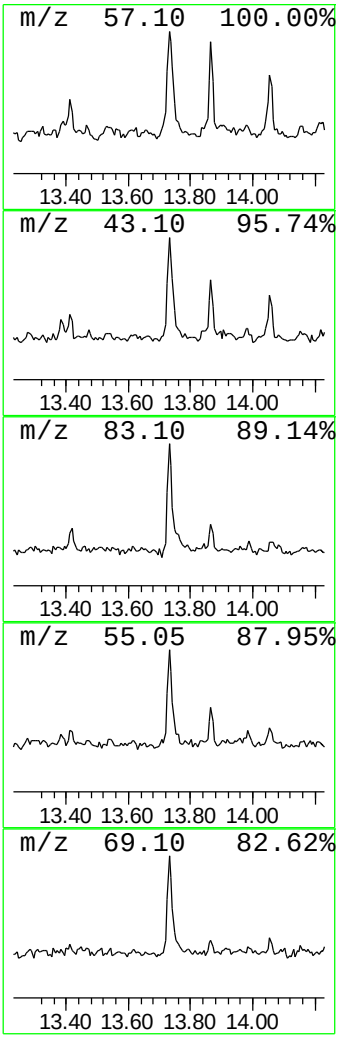
Peak Number 16 Cyclohexadecane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.73	3.37 ng	329999	Chrysene-d12	13.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	94
2	3-Eicosene, (E)-	280	C20H40	074685-33-9	91
3	Behenic alcohol	326	C22H46O	000661-19-8	91
4	1-Heptacosanol	396	C27H56O	002004-39-9	91
5	1-Heneicosanol	312	C21H44O	015594-90-8	91





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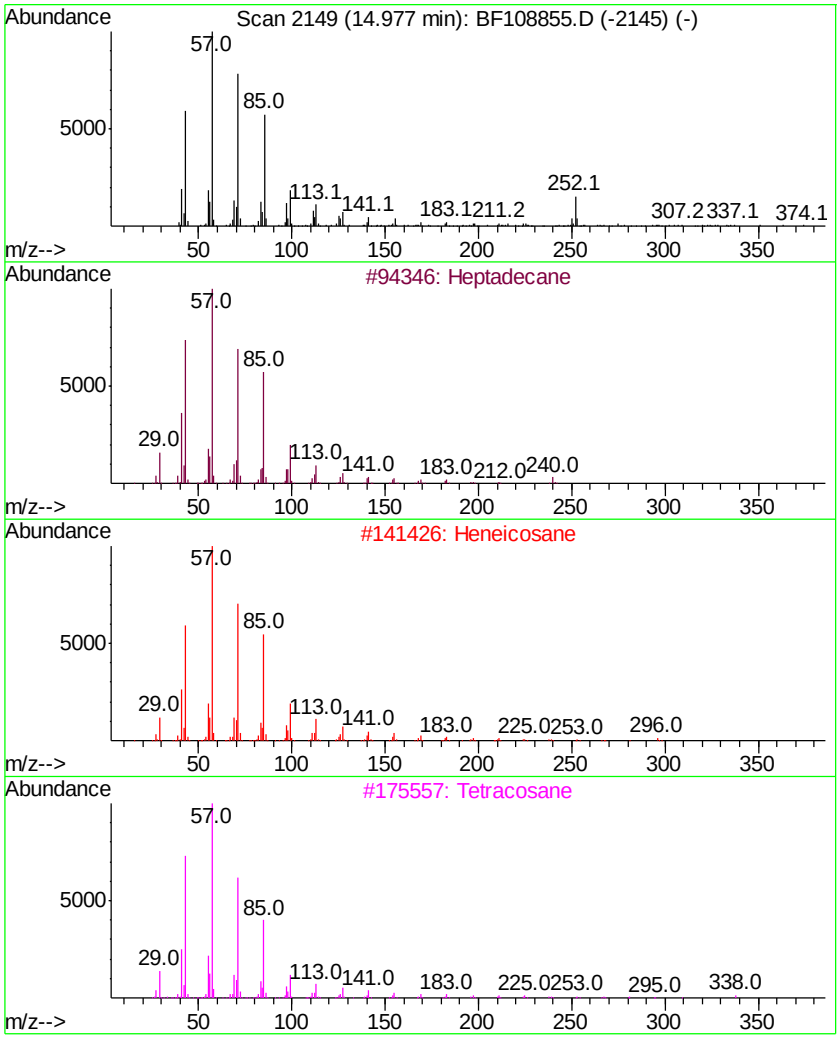
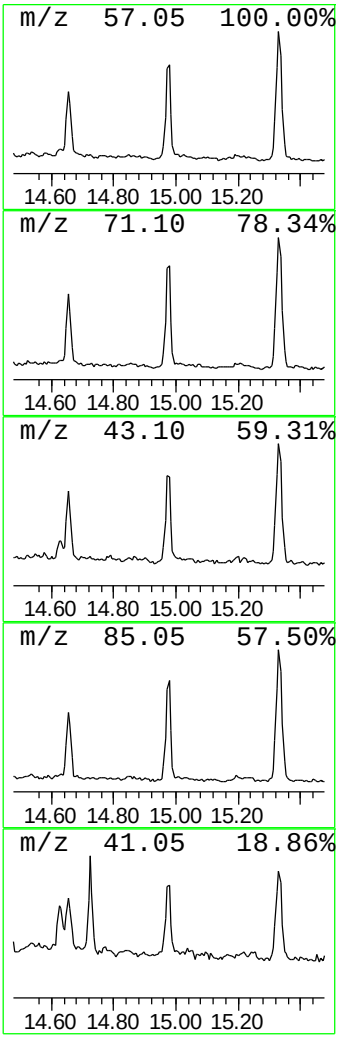
Peak Number 17 Heptadecane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.98	3.90 ng	322081	Perylene-d12	15.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	87
2	Heneicosane	296	C21H44	000629-94-7	87
3	Tetracosane	338	C24H50	000646-31-1	83
4	Pentacosane	352	C25H52	000629-99-2	80
5	Nonadecane	268	C19H40	000629-92-5	80





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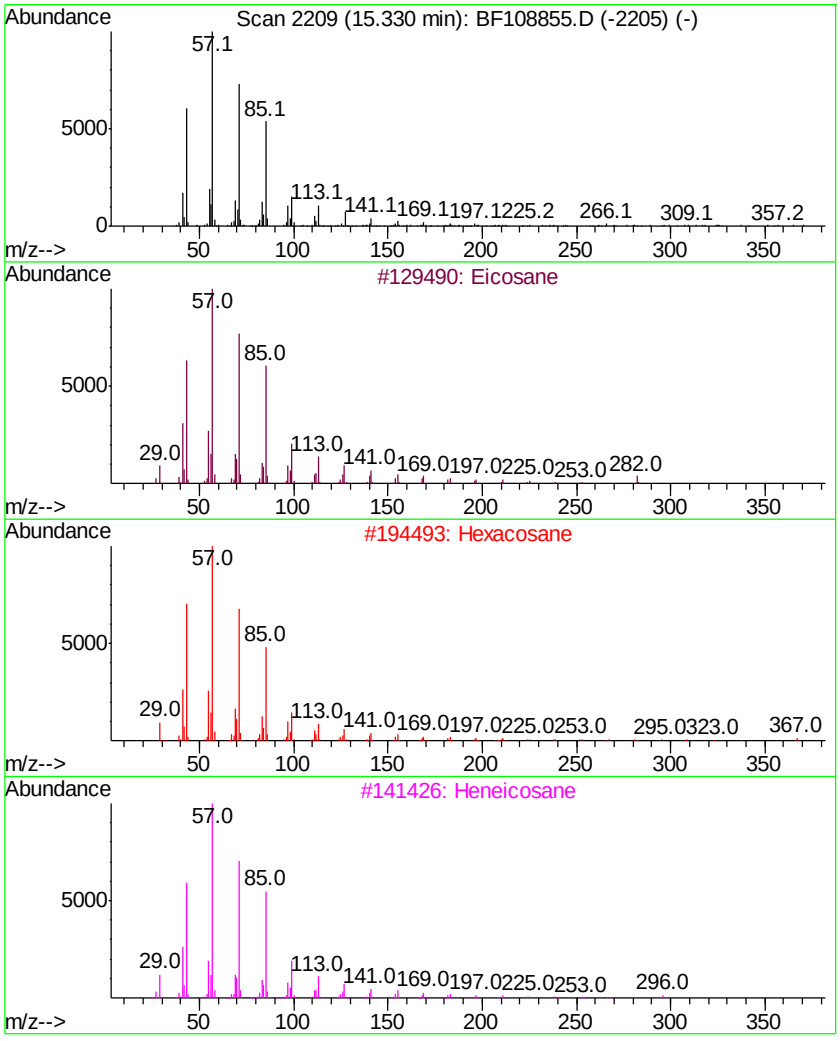
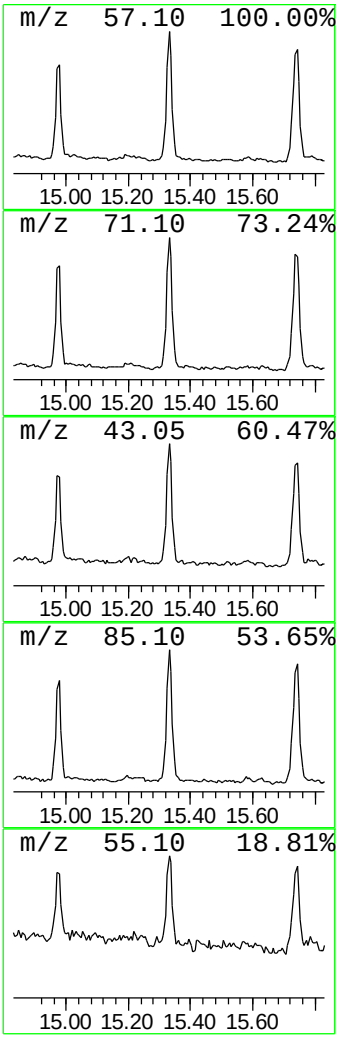
Peak Number 18 Eicosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.33	6.35 ng	524481	Perylene-d12	15.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	97
2	Hexacosane	366	C26H54	000630-01-3	91
3	Heneicosane	296	C21H44	000629-94-7	91
4	Nonadecane	268	C19H40	000629-92-5	90
5	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	87





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Acq On : 7 Sep 2018 12:51
Operator : JU/SJ
Sample : J4803-21
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP1-Q2-FD-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF090518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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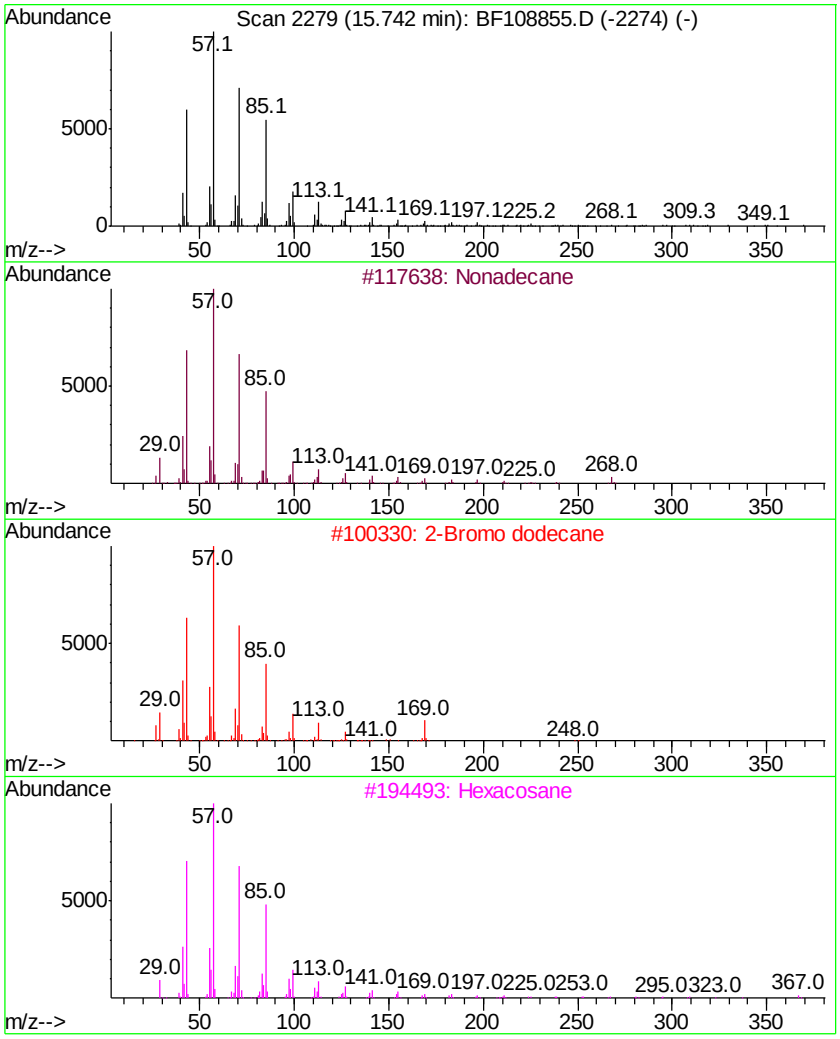
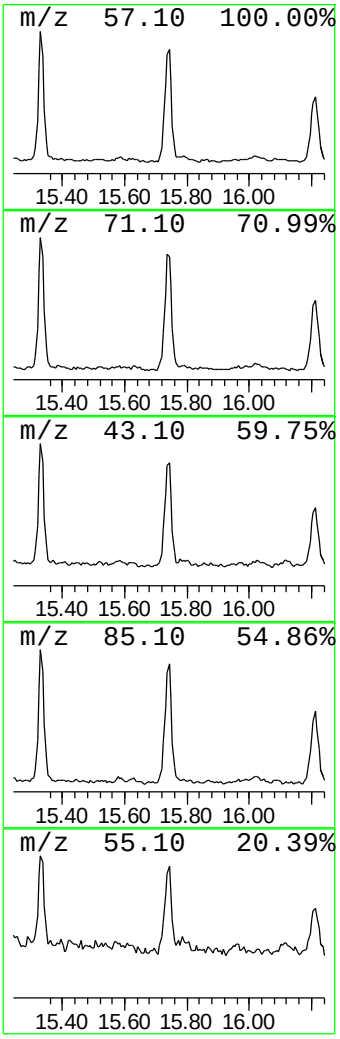
Peak Number 19 Nonadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.74	5.76 ng	476039	Perylene-d12	15.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	93
2	2-Bromo dodecane	248	C12H25Br	013187-99-0	93
3	Hexacosane	366	C26H54	000630-01-3	91
4	Heneicosane	296	C21H44	000629-94-7	91
5	Octacosane	394	C28H58	000630-02-4	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090718\
Data File : BF108855.D
Acq On : 7 Sep 2018 12:51
Operator : JU/SJ
Sample : J4803-21
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP1-Q2-FD-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF090518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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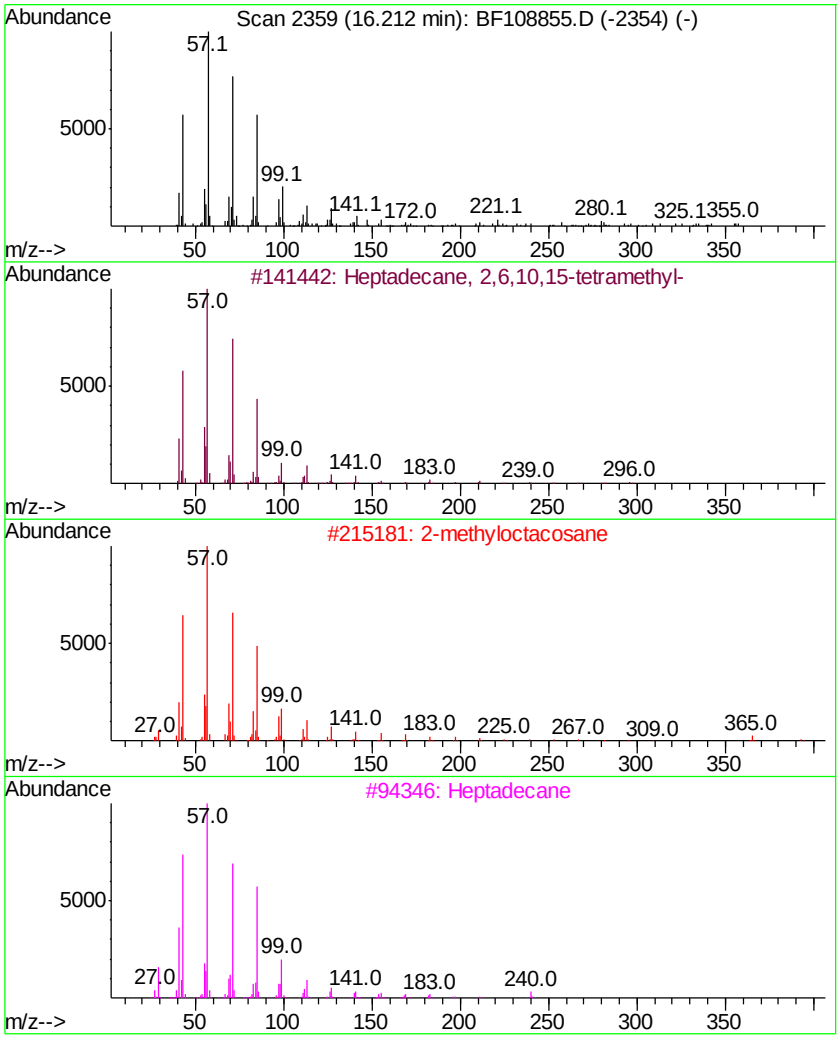
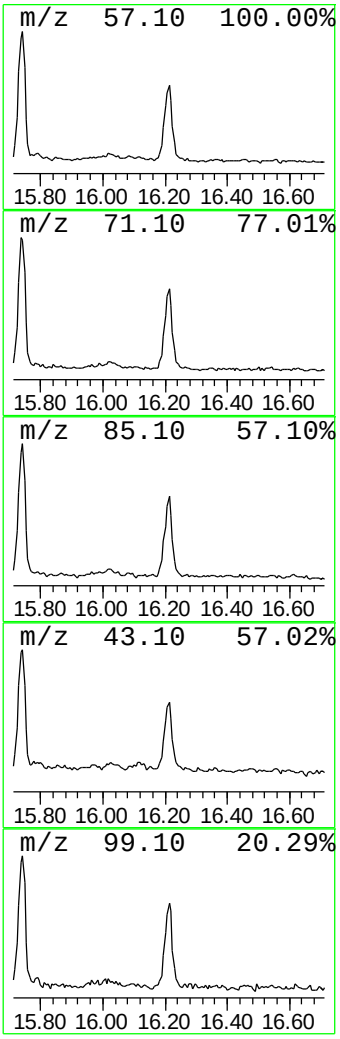
Peak Number 20 Heptadecane, 2,6,10,15-tetr... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.21	4.89 ng	403827	Perylene-d12	15.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	91
2	2-methyloctacosane	408	C29H60	1000376-72-8	91
3	Heptadecane	240	C17H36	000629-78-7	90
4	Hexadecane	226	C16H34	000544-76-3	87
5	Eicosane	282	C20H42	000112-95-8	86





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF090718\
Data File : BF108855.D
Acq On : 7 Sep 2018 12:51
Operator : JU/SJ
Sample : J4803-21
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP1-Q2-FD-01

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF090518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown6.50	6.50	48.5	ng	4587550	1	6.74	1893200	20.0
Octane, 1,1'-oxybis-	6.81	4.5	ng	423339	1	6.74	1893200	20.0
2-Undecene, 6-met...	7.02	8.2	ng	771054	1	6.74	1893200	20.0
Octane, 2,6-dimet...	7.10	4.7	ng	439840	1	6.74	1893200	20.0
Naphthalene, deca...	7.14	3.5	ng	329313	1	6.74	1893200	20.0
unknown7.17	7.17	3.5	ng	331560	1	6.74	1893200	20.0
Phytol	7.35	5.1	ng	479790	1	6.74	1893200	20.0
unknown7.39	7.39	9.7	ng	1058550	2	8.02	2189570	20.0
Oxalic acid, ally...	7.44	4.3	ng	473162	2	8.02	2189570	20.0
2,6-Dimethyldecane	7.47	6.9	ng	755558	2	8.02	2189570	20.0
unknown7.50	7.50	4.0	ng	436021	2	8.02	2189570	20.0
Decane, 3,7-dimet...	7.54	6.0	ng	661449	2	8.02	2189570	20.0
Naphthalene, deca...	7.55	4.8	ng	529523	2	8.02	2189570	20.0
trans-Decalin, 2-...	7.67	7.6	ng	828353	2	8.02	2189570	20.0
Cyclohexadecane	13.73	3.4	ng	329999	5	13.87	1956600	20.0
Heptadecane	14.98	3.9	ng	322081	6	15.27	1652030	20.0
Eicosane	15.33	6.3	ng	524481	6	15.27	1652030	20.0
Nonadecane	15.74	5.8	ng	476039	6	15.27	1652030	20.0
Heptadecane, 2,6,...	16.21	4.9	ng	403827	6	15.27	1652030	20.0