LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062317\
Data File : BF096175.D
Acq On : 23 Jun 2017 23:41
Operator : SJ/MA
Sample : I3852-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : G-32-1.5-3

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

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

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.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	1.546	7	10	42	rVB	423403	877354	64.55%	5.412%
2	1.816	52	56	61	rVB3	10218	17006	1.25%	0.105%
3	4.416	495	498	520	rBV2	52969	157463	11.59%	0.971%
4	5.145	618	622	651	rBV	408470	1117471	82.22%	6.893%
5	5.387	659	663	671	rVB4	25084	42088	3.10%	0.260%
6	6.869	911	915	922	rBV	267766	628843	46.27%	3.879%
7	6.928	922	925	932	rVV	506450	881780	64.88%	5.439%
8	7.069	946	949	962	rVB4	27544	59624	4.39%	0.368%
9	7.257	977	981	991	rVV	283780	380816	28.02%	2.349%
10	7.351	993	997	1002	rVB4	16127	22240	1.64%	0.137%
11	7.492	1015	1021	1035	rBV	691752	994273	73.15%	6.133%
12	8.181	1135	1138	1156	rBV	389953	677358	49.84%	4.178%
13	8.310	1156	1160	1166	rVB3	21004	32537	2.39%	0.201%
14	9.292	1323	1327	1332	rBV	364133	491772	36.18%	3.033%
15	9.392	1340	1344	1353	rVB	26441	39288	2.89%	0.242%
16	9.522	1360	1366	1370	rVB3	14726	20798	1.53%	0.128%
17	10.104	1458	1465	1468	rBV2	22291	31086	2.29%	0.192%
18	10.380	1506	1512	1518	rBV	33040	39887	2.93%	0.246%
19	10.463	1523	1526	1536	rBV	48807	72716	5.35%	0.449%
20	10.616	1546	1552	1557	rBV	32745	52256	3.84%	0.322%
21	10.663	1557	1560	1569	rVB6	9050	14282	1.05%	0.088%
22	11.074	1625	1630	1641	rBV	1078997	1359177	100.00%	8.384%
23	11.239	1649	1658	1663	rBV2	10977	18909	1.39%	0.117%
24	11.298	1663	1668	1673	rVB2	39900	52207	3.84%	0.322%
25	11.374	1676	1681	1686	rBV4	17049	25264	1.86%	0.156%
26	11.492	1695	1701	1706	rBV3	16597	34808	2.56%	0.215%
27	11.592	1714	1718	1723	rBV2	41491	58851	4.33%	0.363%
28	11.639	1723	1726	1731	rVB3	29496	39094	2.88%	0.241%
29	11.774	1744	1749	1754	rBV	179379	261133	19.21%	1.611%
30	11.816	1754	1756	1760	rVB	31023	35500	2.61%	0.219%
31	11.892	1765	1769	1778	rVV2	35739	61629	4.53%	0.380%
32	11.963	1778	1781	1790	rVB6	10486	18777	1.38%	0.116%
33	12.110	1802	1806	1811	rBV2	374137	502065	36.94%	3.097%
34	12.163	1811	1815	1823	rVB3	68341	101446	7.46%	0.626%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062317\
Data File : BF096175.D
Acq On : 23 Jun 2017 23:41
Operator : SJ/MA
Sample : I3852-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : G-32-1.5-3

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

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

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.333	1839	1844	1849	rVB4	8735	16354	1.20%	0.101%
36	12.468	1864	1867	1874	rBV3	22191	46411	3.41%	0.286%
37	12.557	1878	1882	1885	rVV	11285	13922	1.02%	0.086%
38	12.674	1897	1902	1906	rVB4	19842	32175	2.37%	0.198%
39	12.716	1906	1909	1915	rBV4	11310	18055	1.33%	0.111%
40	12.816	1921	1926	1928	rBV3	14039	22798	1.68%	0.141%
41	12.974	1946	1953	1956	rBV	75034	103181	7.59%	0.636%
42	13.010	1956	1959	1969	rVB8	26912	48219	3.55%	0.297%
43	13.286	2001	2006	2007	rBV3	18120	24126	1.78%	0.149%
44	13.327	2008	2013	2018	rVB2	36430	73741	5.43%	0.455%
45	13.415	2023	2028	2037	rBV	397808	606806	44.65%	3.743%
46	13.745	2075	2084	2086	rBV2	83433	147135	10.83%	0.908%
47	14.204	2159	2162	2166	rVB4	14548	17810	1.31%	0.110%
48	14.251	2166	2170	2176	rVB4	17375	29798	2.19%	0.184%
49	14.345	2182	2186	2190	rVB3	11357	16898	1.24%	0.104%
50	14.474	2203	2208	2210	rBV	57393	64581	4.75%	0.398%
51	14.510	2210	2214	2217	rVV	349251	453521	33.37%	2.797%
52	14.545	2217	2220	2228	rVB	127029	189982	13.98%	1.172%
53	14.639	2228	2236	2242	rBV	62487	103364	7.60%	0.638%
54	14.739	2250	2253	2256	rBV5	18407	25532	1.88%	0.157%
55	14.868	2271	2275	2279	rVB7	11792	19943	1.47%	0.123%
56	14.915	2279	2283	2288	rBV8	21024	44385	3.27%	0.274%
57	14.962	2288	2291	2299	rVB2	21446	36478	2.68%	0.225%
58	15.057	2303	2307	2308	rBV4	17743	22971	1.69%	0.142%
59	15.157	2320	2324	2328	rBV	48365	60302	4.44%	0.372%
60	15.321	2349	2352	2356	rBV	35444	39248	2.89%	0.242%
61	15.368	2356	2360	2364	rVB	45802	55245	4.06%	0.341%
62	15.445	2370	2373	2375	rBV2	15885	18166	1.34%	0.112%
63	15.480	2375	2379	2382	rVV3	39337	55776	4.10%	0.344%
64	15.545	2383	2390	2397	rVB3	83966	167496	12.32%	1.033%
65	15.768	2425	2428	2440	rVB4	70383	111720	8.22%	0.689%
66	15.856	2441	2443	2449	rVB4	23948	34222	2.52%	0.211%
67	16.039	2471	2474	2477	rBV2	25253	29198	2.15%	0.180%
68	16.139	2487	2491	2495	rBV	47758	66377	4.88%	0.409%
69	16.180	2495	2498	2502	rVV6	20626	32690	2.41%	0.202%
70	16.339	2519	2525	2531	rBV	292566	397965	29.28%	2.455%
71	16.645	2573	2577	2584	rBV	348033	404610	29.77%	2.496%

LSC Area Percent Report

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Acq On : 23 Jun 2017 23:41
Operator : SJ/MA
Sample : I3852-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : G-32-1.5-3

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

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Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	16.833	2607	2609	2614	rBV3	29514	39157	2.88%	0.242%
73	16.898	2615	2620	2628	rVB	867388	973274	71.61%	6.003%
74	17.256	2678	2681	2687	rBV4	50310	93883	6.91%	0.579%
75	17.568	2730	2734	2737	rBV	147842	146979	10.81%	0.907%
76	18.098	2822	2824	2828	rVB	77856	76497	5.63%	0.472%
77	18.250	2845	2850	2854	rBV2	404682	662261	48.73%	4.085%
78	18.327	2859	2863	2867	rVB	309360	368693	27.13%	2.274%
79	19.527	3063	3067	3070	rBV	228613	311028	22.88%	1.918%
80	19.815	3113	3116	3120	rBV	134200	166886	12.28%	1.029%
81	19.880	3124	3127	3132	rVV	111353	151960	11.18%	0.937%
82	19.927	3132	3135	3143	rVV	250887	350601	25.80%	2.163%

Sum of corrected areas: 16212218

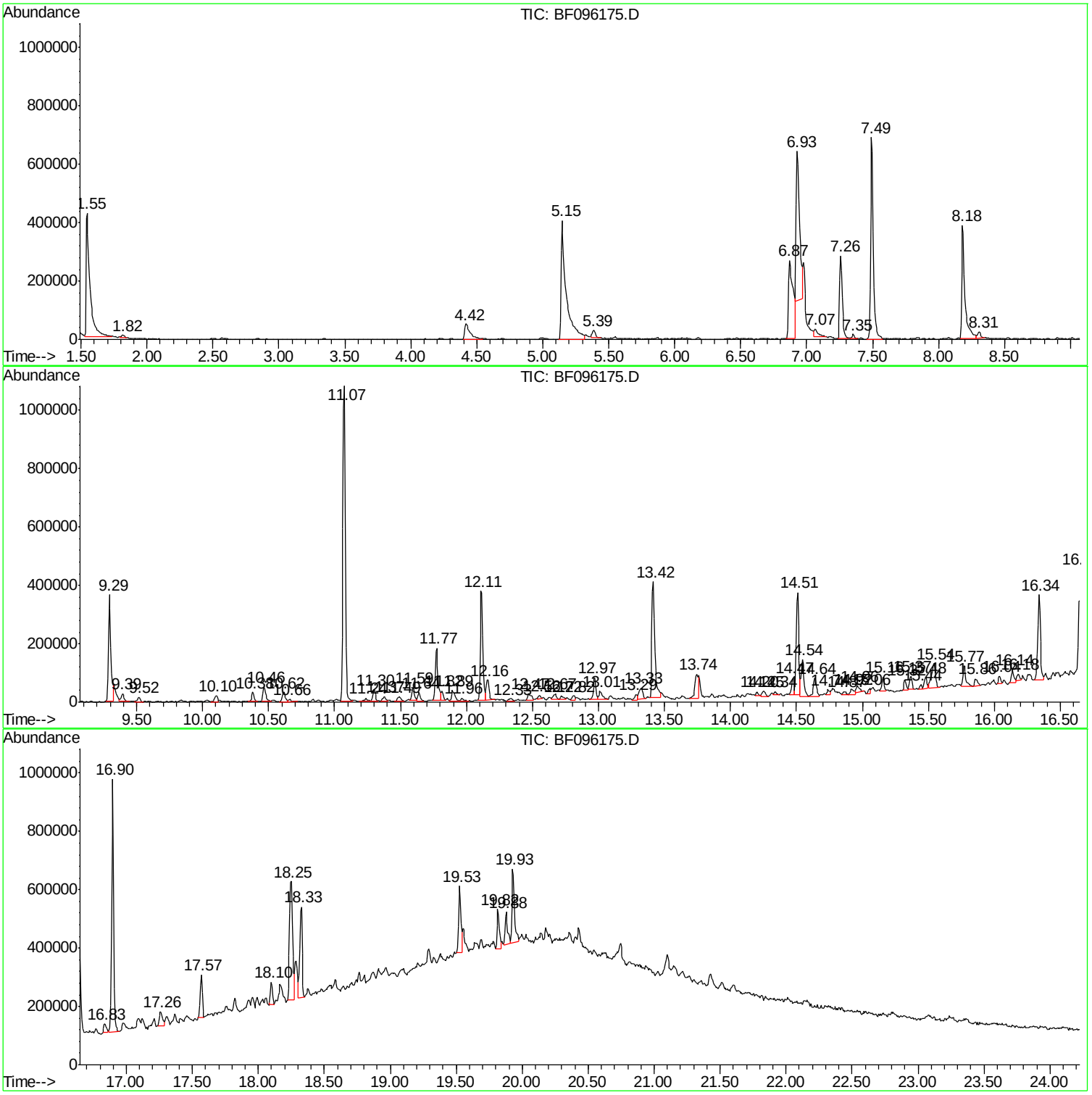
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062317\
Data File : BF096175.D
Acq On : 23 Jun 2017 23:41
Operator : SJ/MA
Sample : I3852-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : G-32-1.5-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.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:\HPCHEM1\BNA F\DATA\BF062317\
Data File : BF096175.D
Acq On : 23 Jun 2017 23:41
Operator : SJ/MA
Sample : I3852-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : G-32-1.5-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

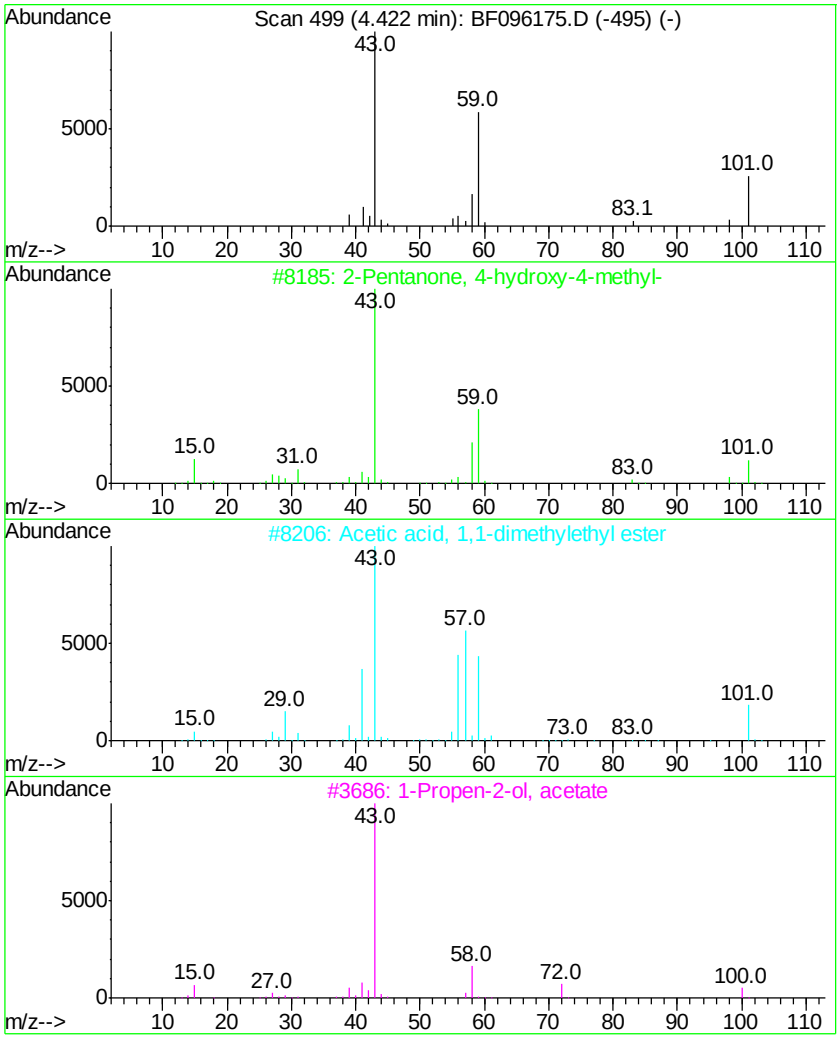
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

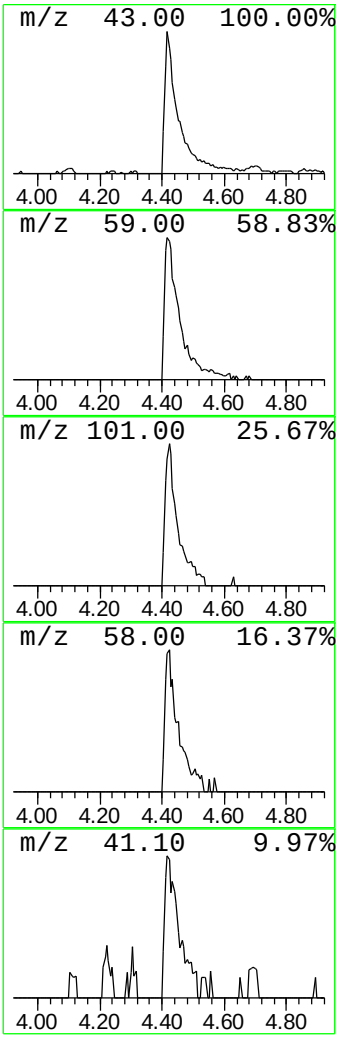
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.42	8.27 ng	157463	1,4-Dichlorobenzene-d4	7.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	9
4	Butyl aldoxime, 3-methyl-, syn-	101	C5H11NO	005780-40-5	9
5	2-Nonanone	142	C9H18O	000821-55-6	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF062317\
Data File : BF096175.D
Acq On : 23 Jun 2017 23:41
Operator : SJ/MA
Sample : I3852-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : G-32-1.5-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

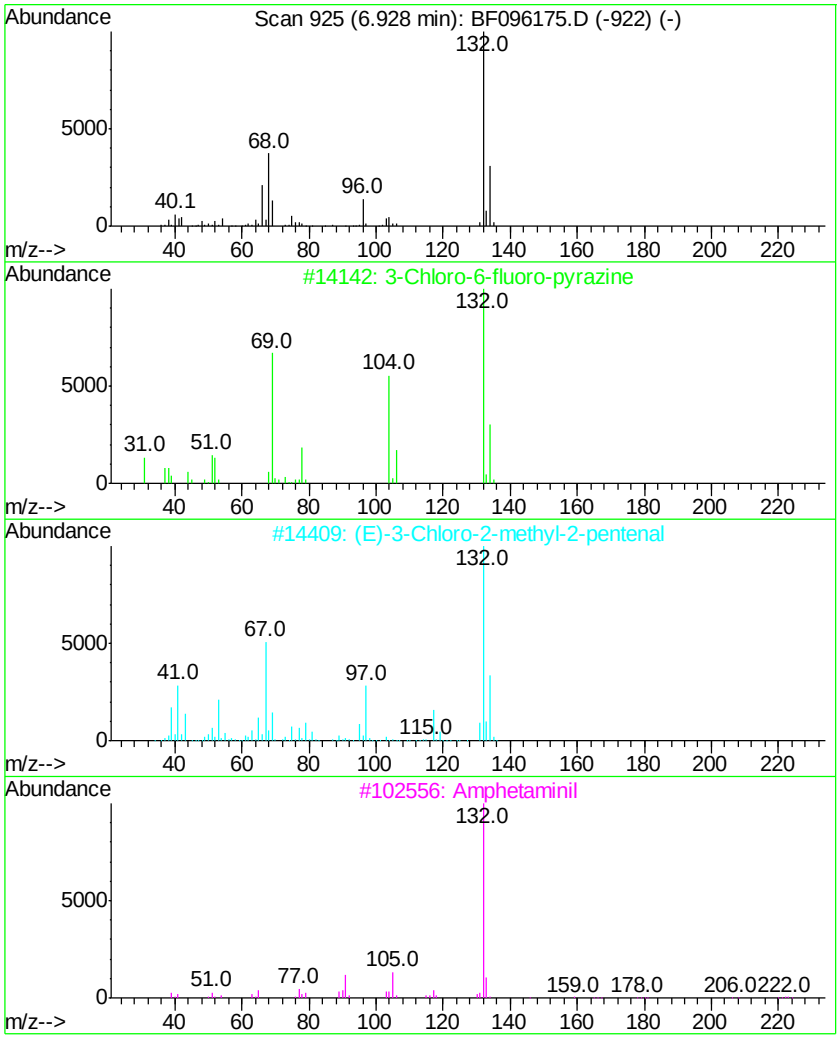
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

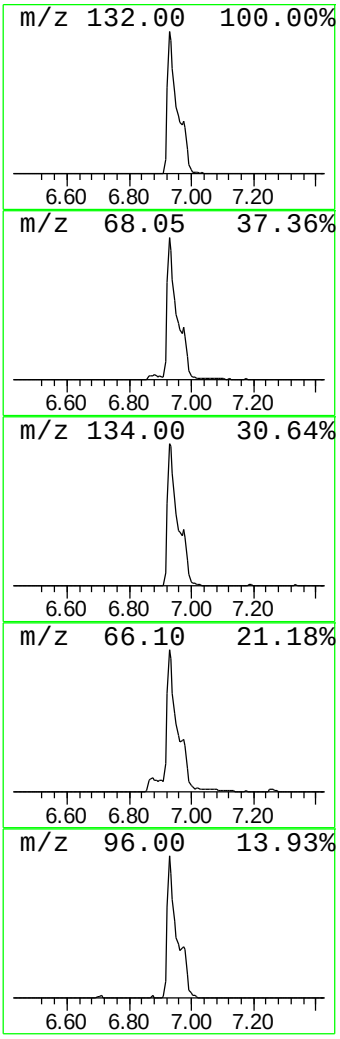
****

Peak Number 3 unknown6.93 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.93	46.31 ng	881780	1,4-Dichlorobenzene-d4	7.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	Amphetaminil	250	C17H18N2	017590-01-1	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
5	1H-Indazole, 7-methyl-	132	C8H8N2	1000316-00-7	10





Data Path : Z:\HPCHEM1\BNA F\DATA\BF062317\
Data File : BF096175.D
Acq On : 23 Jun 2017 23:41
Operator : SJ/MA
Sample : I3852-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : G-32-1.5-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

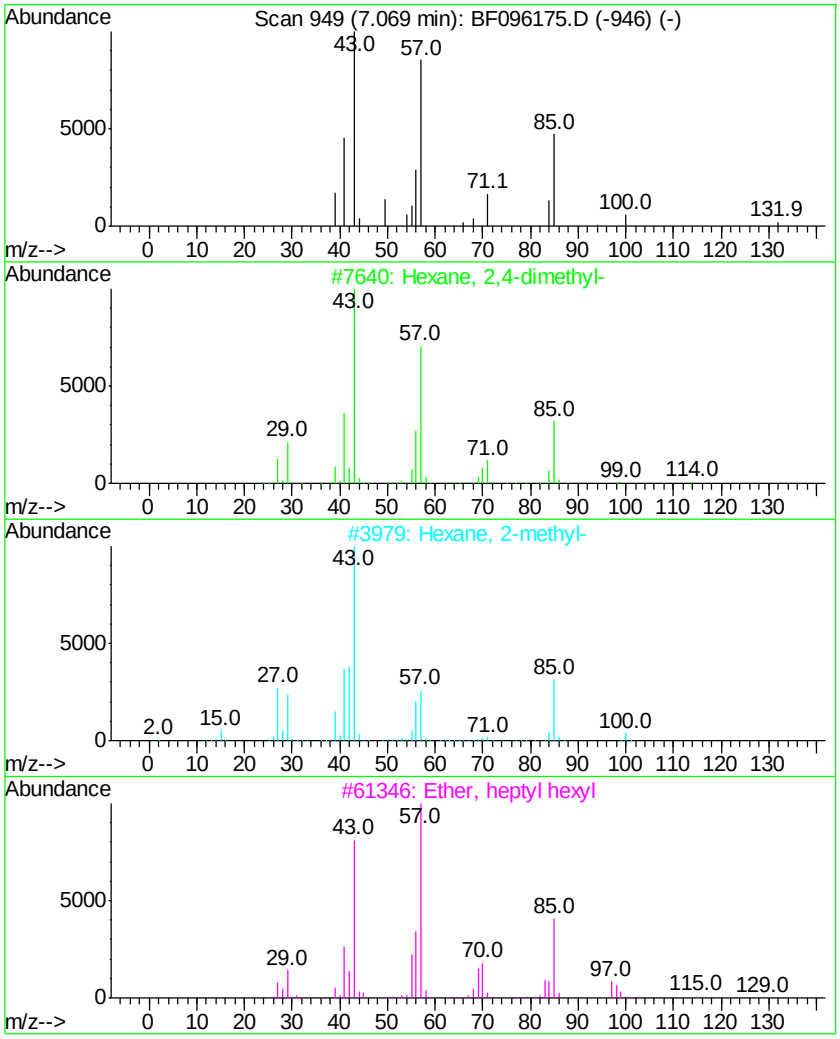
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

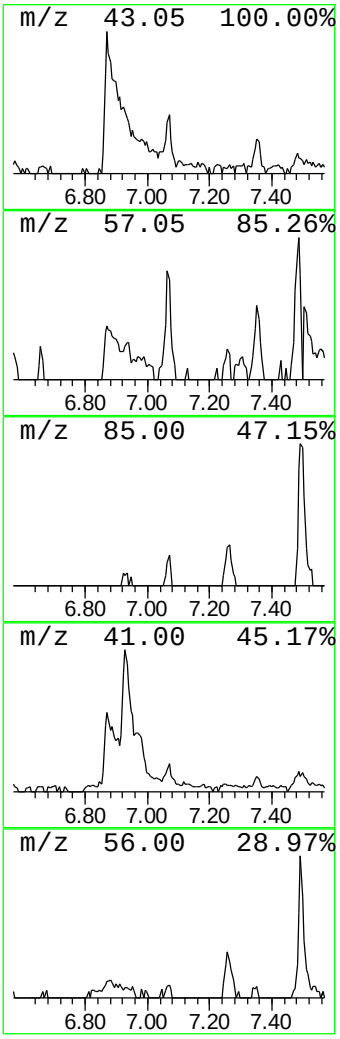
****

Peak Number 4 Hexane, 2,4-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.07	3.13 ng	59624	1,4-Dichlorobenzene-d4	7.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	72
2	Hexane, 2-methyl-	100	C7H16	000591-76-4	59
3	Ether, heptyl hexyl	200	C13H28O	007289-40-9	50
4	Octane, 2,3,3-trimethyl-	156	C11H24	062016-30-2	38
5	Hexane, 1,1'-oxybis-	186	C12H26O	000112-58-3	36





Data Path : Z:\HPCHEM1\BNA F\DATA\BF062317\
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Sample : I3852-04
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Instrument : BNA_F
ClientSampleId : G-32-1.5-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
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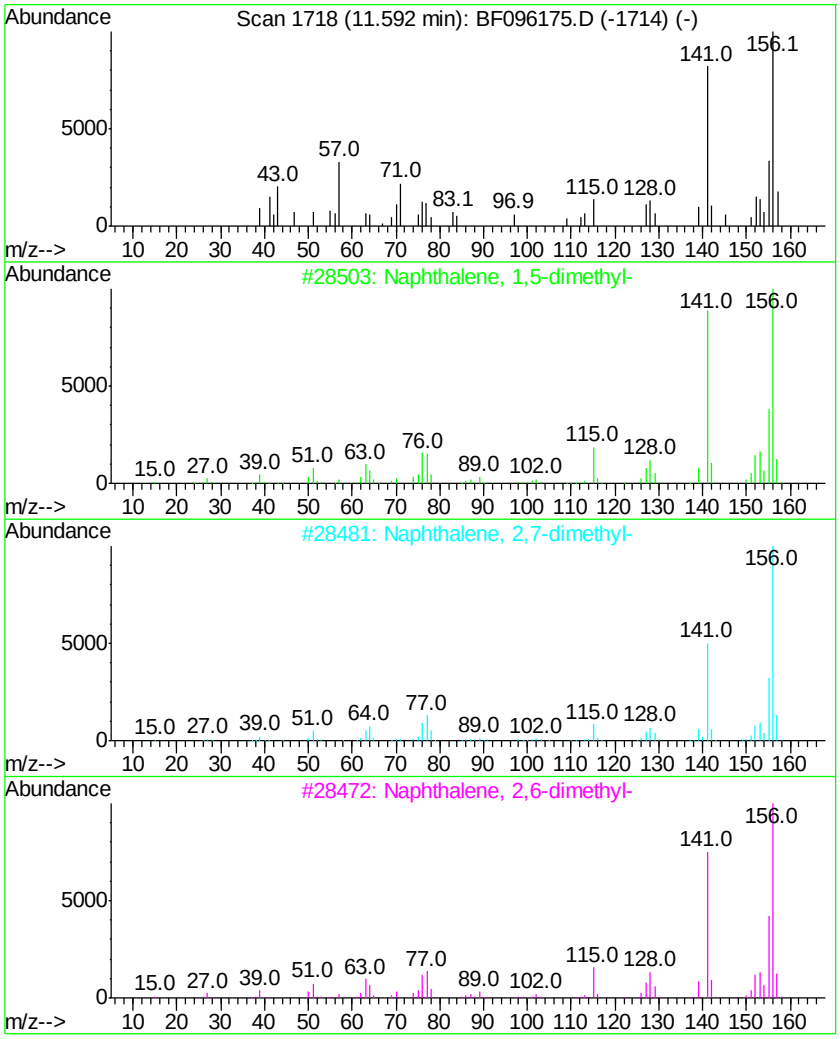
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

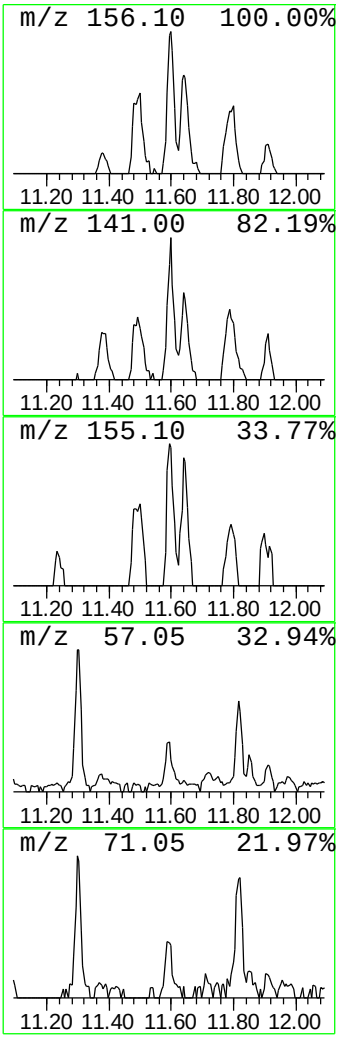
****

Peak Number 6 Naphthalene, 1,5-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.59	2.34 ng	58851	Acenaphthene-d10	12.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	98
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





Data Path : Z:\HPCHEM1\BNA F\DATA\BF062317\
Data File : BF096175.D
Acq On : 23 Jun 2017 23:41
Operator : SJ/MA
Sample : I3852-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : G-32-1.5-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

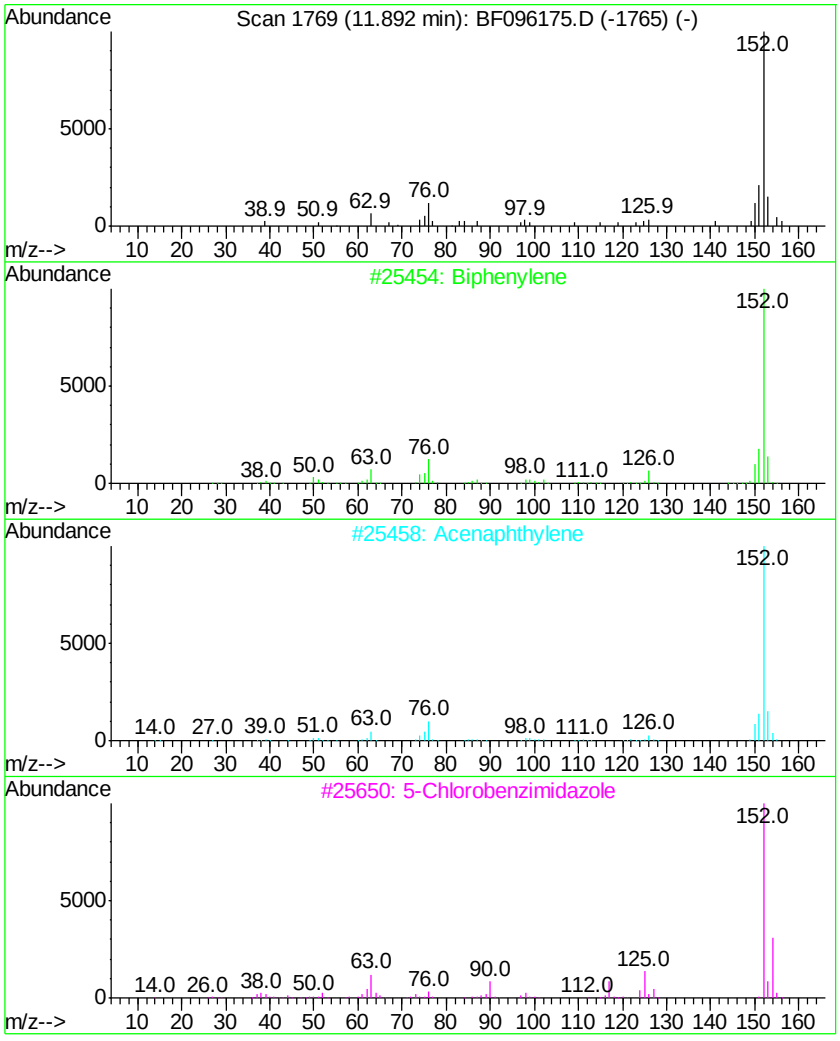
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

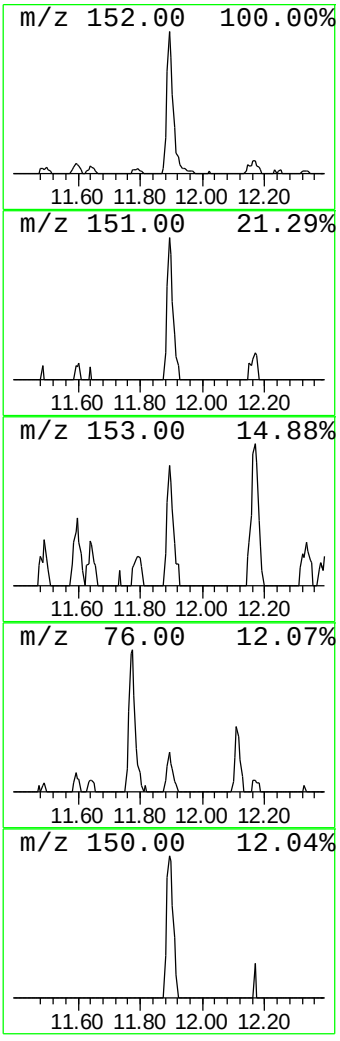
****

Peak Number 7 Biphenylene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	2.46 ng	61629	Acenaphthene-d10	12.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Biphenylene	152	C12H8	000259-79-0	90
2	Acenaphthylene	152	C12H8	000208-96-8	83
3	5-Chlorobenzimidazole	152	C7H5ClN2	004887-82-5	50
4	l-Proline, n-propargyloxycarbony...	239	C12H17NO4	1000328-16-9	47
5	5,6-Dihydro-4-methylthieno(2,3-d...	152	C7H8N2S	092204-06-3	45





Data Path : Z:\HPCHEM1\BNA F\DATA\BF062317\
Data File : BF096175.D
Acq On : 23 Jun 2017 23:41
Operator : SJ/MA
Sample : I3852-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : G-32-1.5-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.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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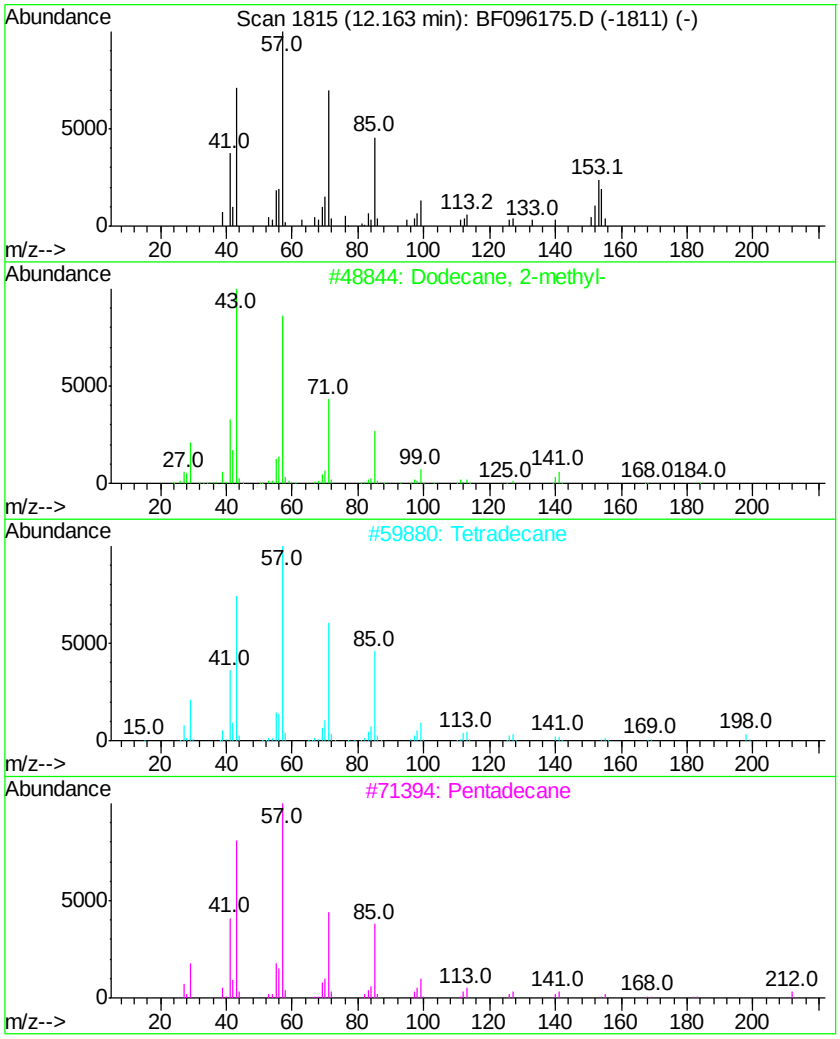
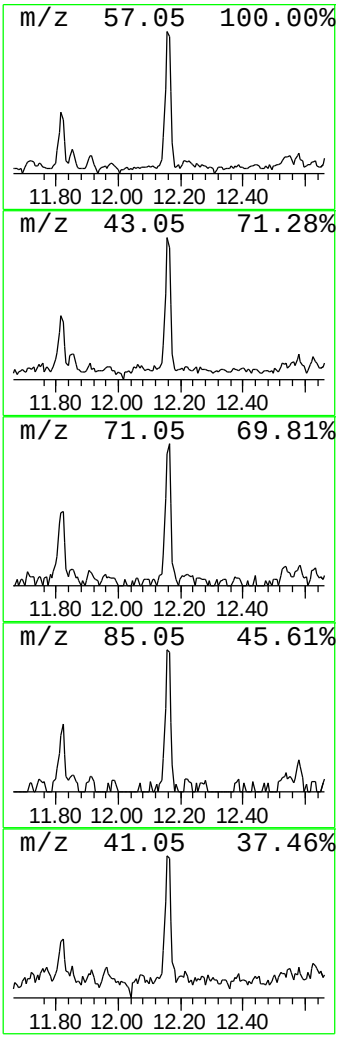
Peak Number 8 Dodecane, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	4.04 ng	101446	Acenaphthene-d10	12.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2-methyl-	184	C13H28	001560-97-0	52
2	Tetradecane	198	C14H30	000629-59-4	52
3	Pentadecane	212	C15H32	000629-62-9	52
4	Sulfurous acid, 2-propyl tetrade...	320	C17H36O3S	1000309-12-5	50
5	Hexadecane	226	C16H34	000544-76-3	49





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Data File : BF096175.D
Acq On : 23 Jun 2017 23:41
Operator : SJ/MA
Sample : I3852-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : G-32-1.5-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.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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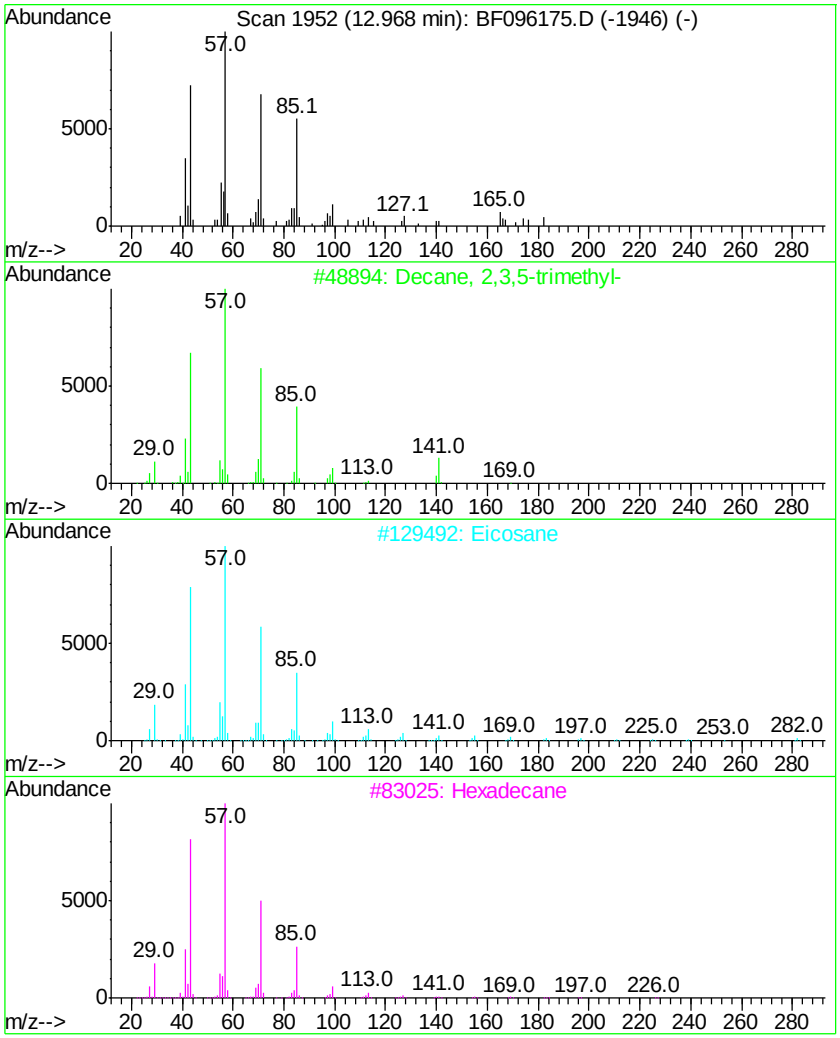
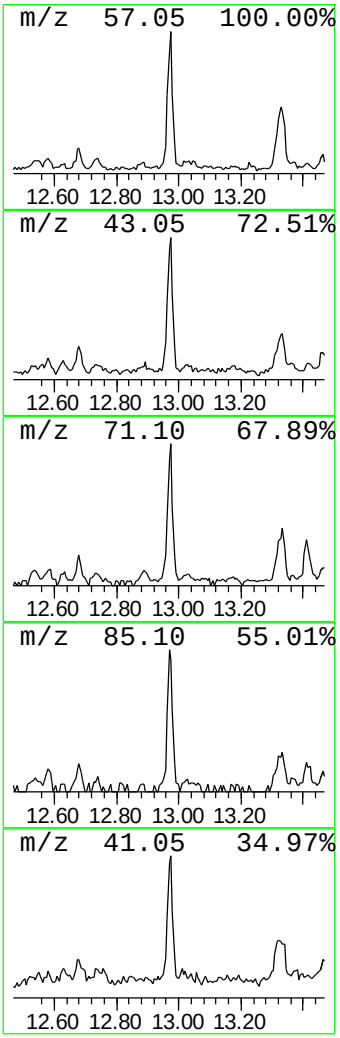
Peak Number 9 Decane, 2,3,5-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.97	4.11 ng	103181	Acenaphthene-d10	12.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	86
2	Eicosane	282	C20H42	000112-95-8	86
3	Hexadecane	226	C16H34	000544-76-3	83
4	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	80
5	Tetradecane	198	C14H30	000629-59-4	80





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Sample : I3852-04
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ClientSampleId : G-32-1.5-3

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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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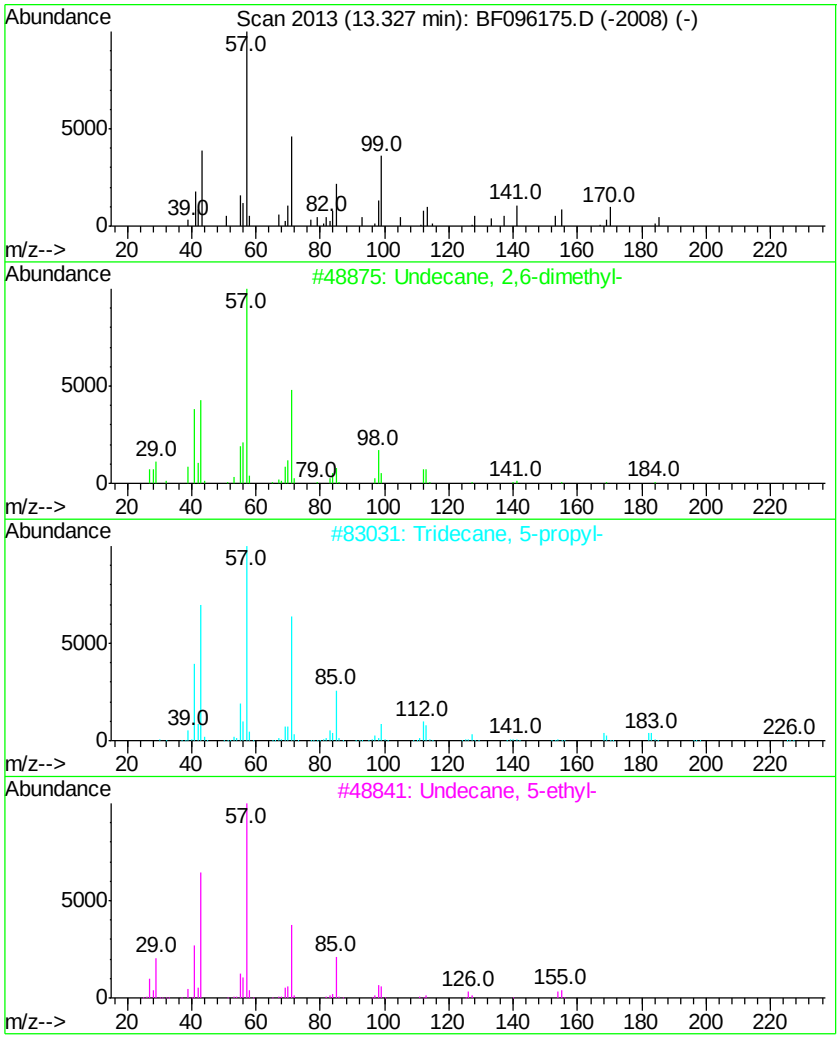
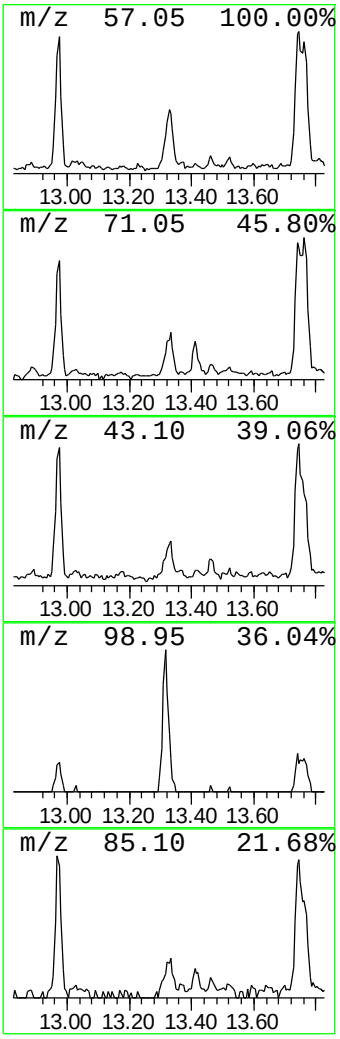
Peak Number 10 Undecane, 2,6-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.33	3.25 ng	73741	Phenanthrene-d10	14.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	53
2	Tridecane, 5-propyl-	226	C16H34	055045-11-9	50
3	Undecane, 5-ethyl-	184	C13H28	017453-94-0	50
4	Tridecane	184	C13H28	000629-50-5	49
5	Dodecane	170	C12H26	000112-40-3	47





Library Search Compound Report

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Acq On : 23 Jun 2017 23:41
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Sample : I3852-04
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ClientSampleId : G-32-1.5-3

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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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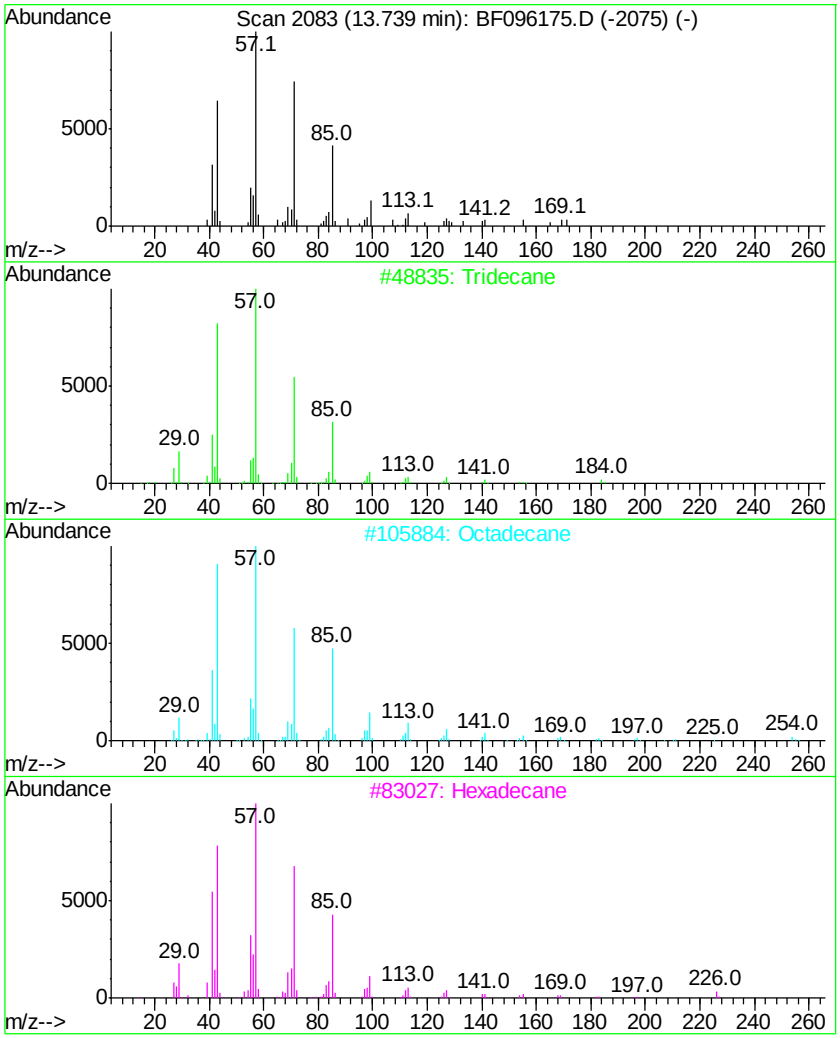
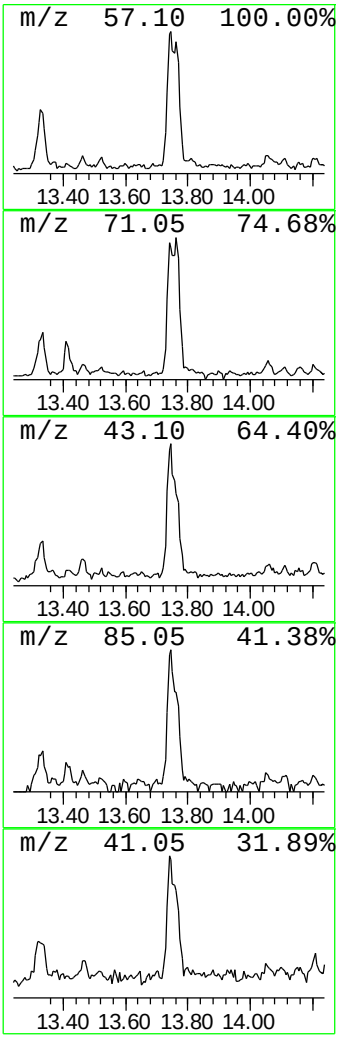
Peak Number 11 Tridecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.74	6.49 ng	147135	Phenanthrene-d10	14.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	94
2	Octadecane	254	C18H38	000593-45-3	90
3	Hexadecane	226	C16H34	000544-76-3	90
4	Heptadecane	240	C17H36	000629-78-7	90
5	Pentadecane	212	C15H32	000629-62-9	86





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Sample : I3852-04
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ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : G-32-1.5-3

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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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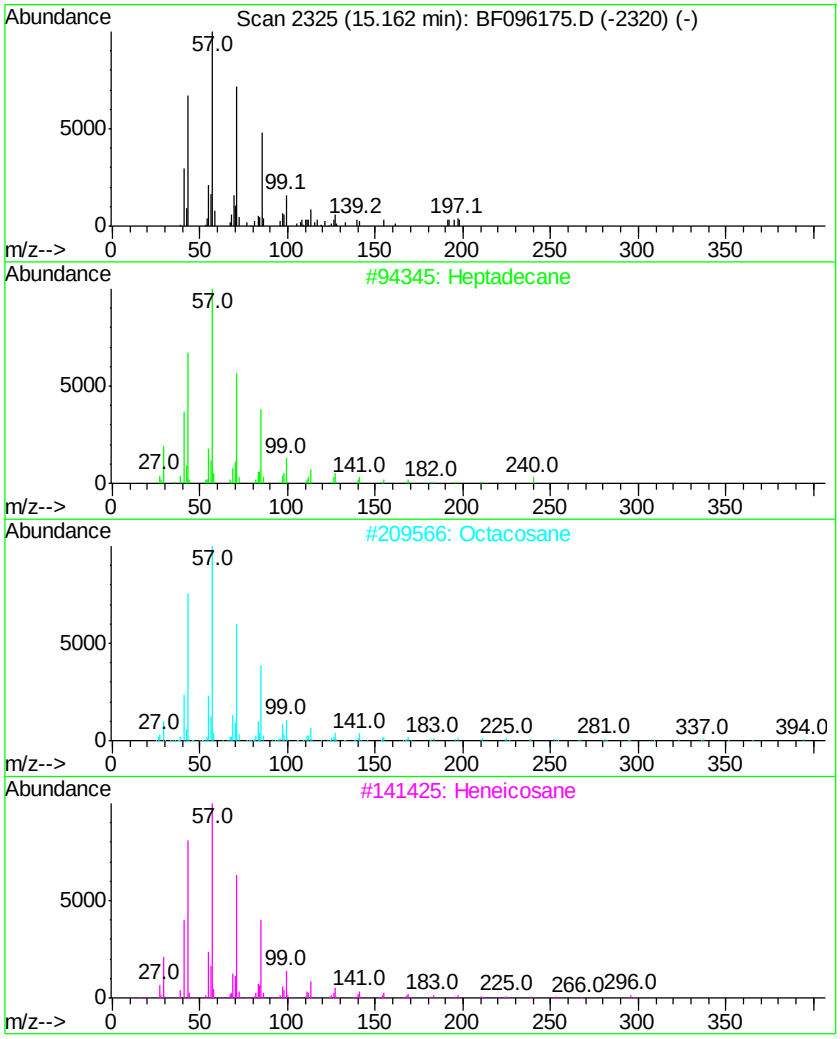
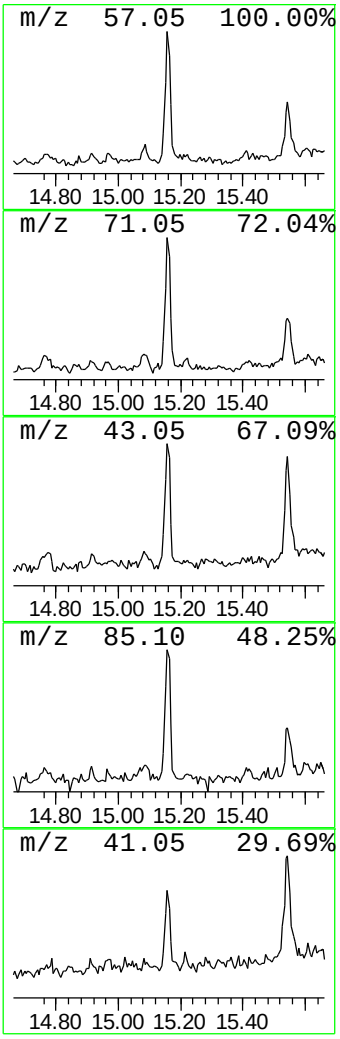
Peak Number 12 Heptadecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.16	2.66 ng	60302	Phenanthrene-d10	14.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	90
2	Octacosane	394	C28H58	000630-02-4	90
3	Heneicosane	296	C21H44	000629-94-7	87
4	Hexadecane	226	C16H34	000544-76-3	86
5	Octadecane	254	C18H38	000593-45-3	86





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Sample : I3852-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : G-32-1.5-3

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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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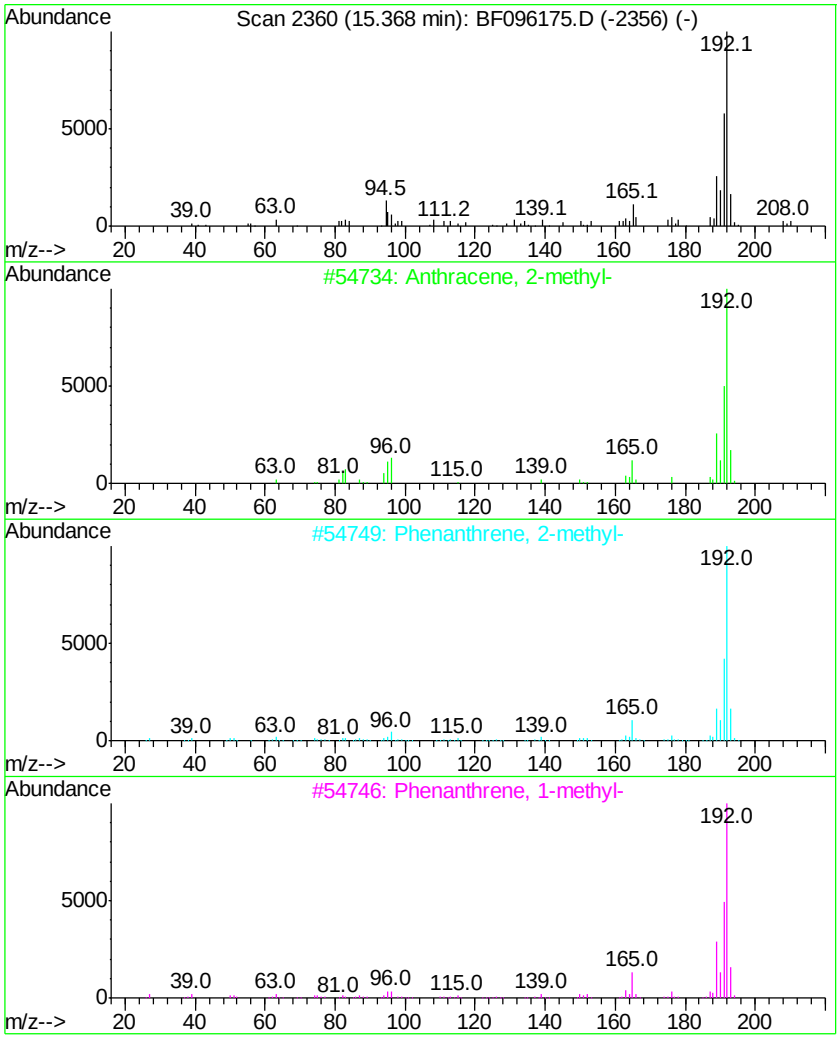
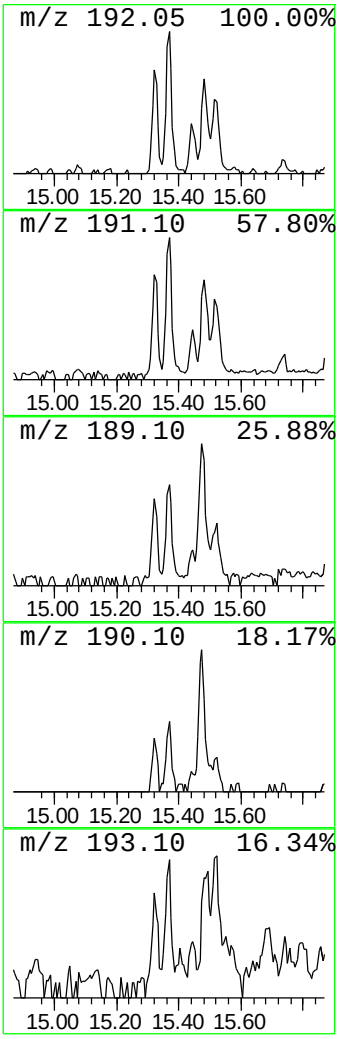
Peak Number 13 Anthracene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.37	2.44 ng	55245	Phenanthrene-d10	14.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	89
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	89
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87





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ClientSampleId : G-32-1.5-3

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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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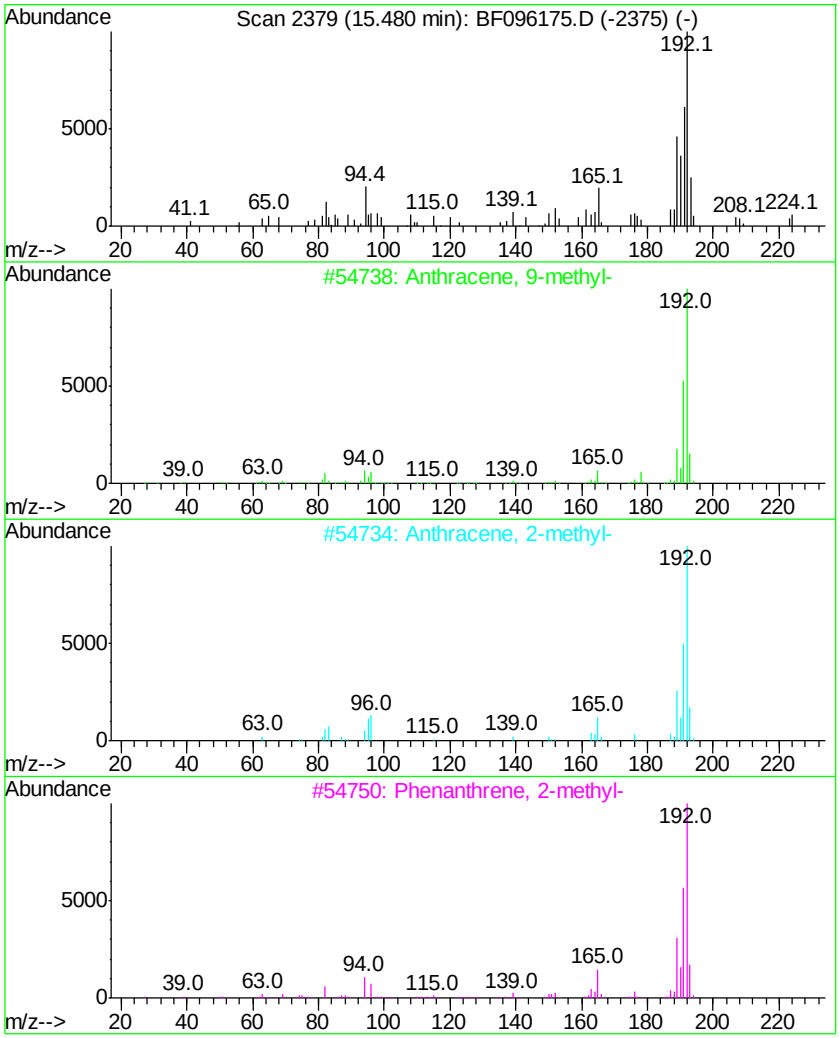
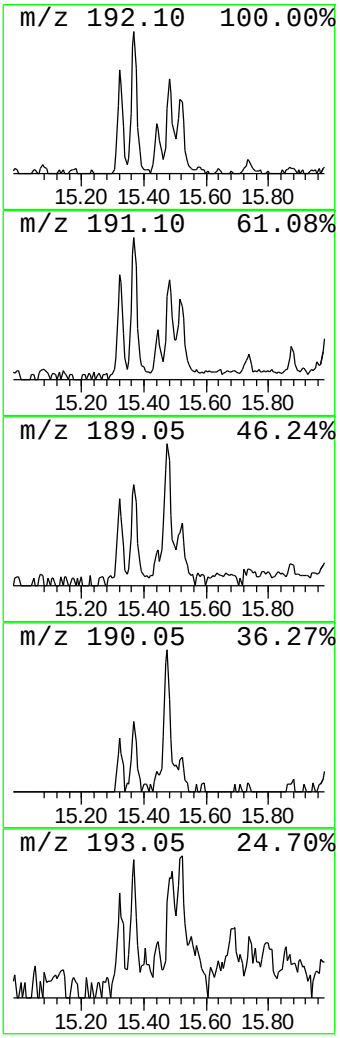
Peak Number 14 Anthracene, 9-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.48	2.46 ng	55776	Phenanthrene-d10	14.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	58
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	58
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	58
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	53
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	52





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Sample : I3852-04
Misc :
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Instrument : BNA_F
ClientSampleId : G-32-1.5-3

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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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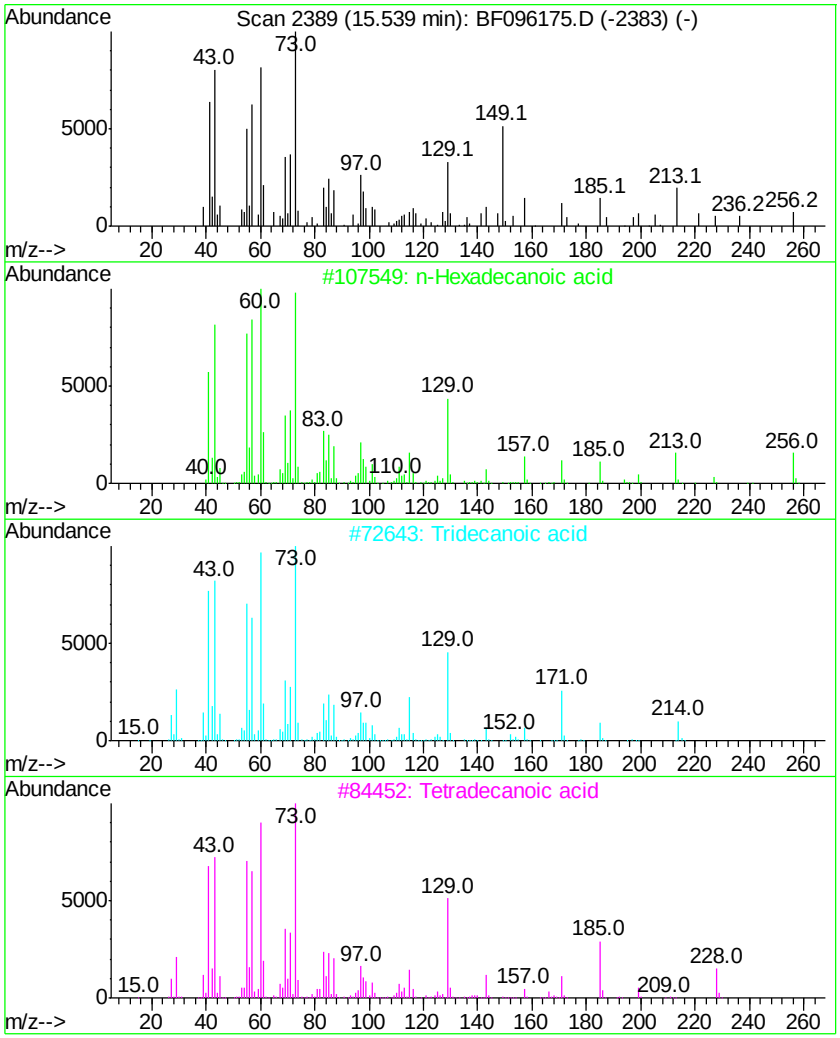
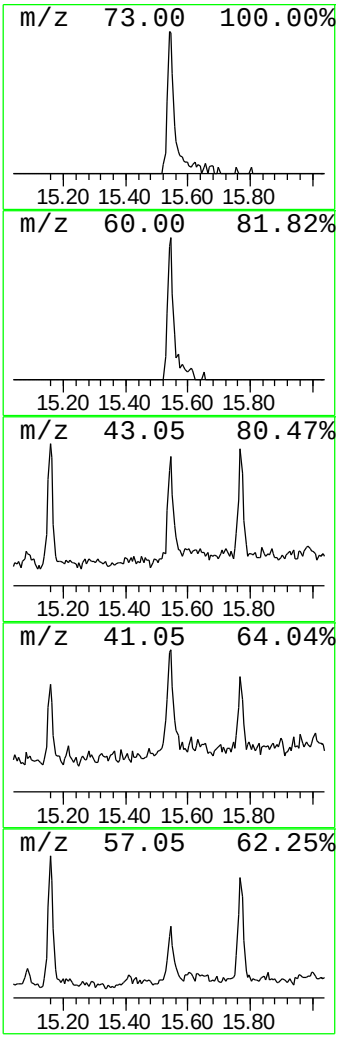
Peak Number 15 n-Hexadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.54	7.39 ng	167496	Phenanthrene-d10	14.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	94
2	Tridecanoic acid	214	C13H26O2	000638-53-9	91
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	83
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	83
5	Dodecanoic acid	200	C12H24O2	000143-07-7	72





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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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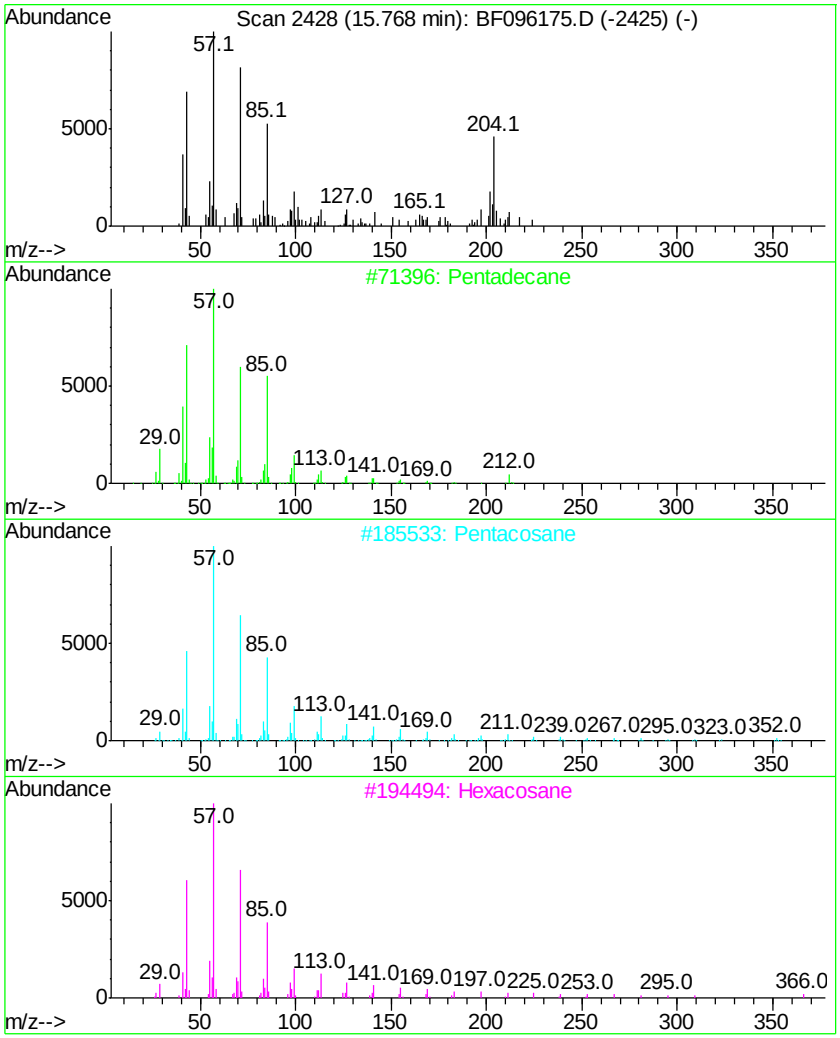
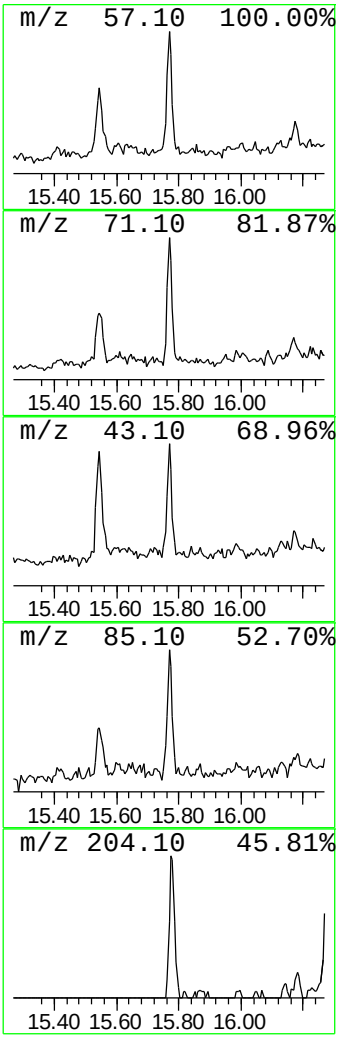
Peak Number 16 Pentadecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.77	4.93 ng	111720	Phenanthrene-d10	14.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	60
2	Pentacosane	352	C25H52	000629-99-2	49
3	Hexacosane	366	C26H54	000630-01-3	49
4	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	46
5	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	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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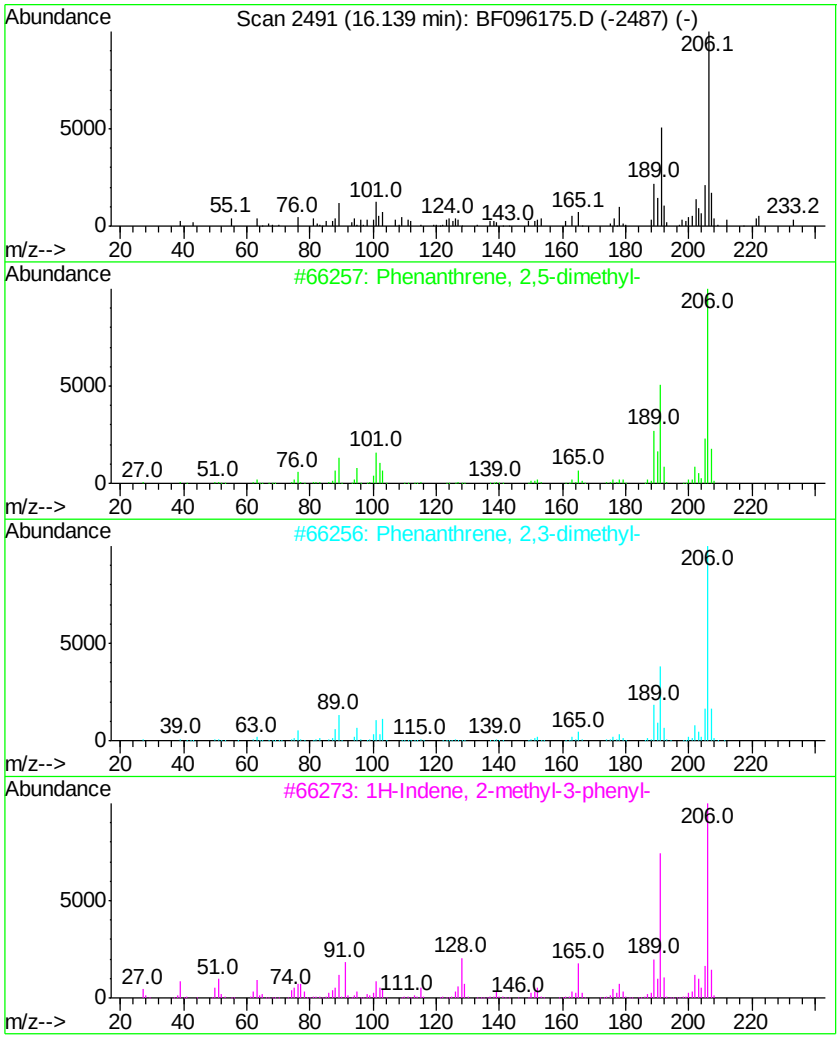
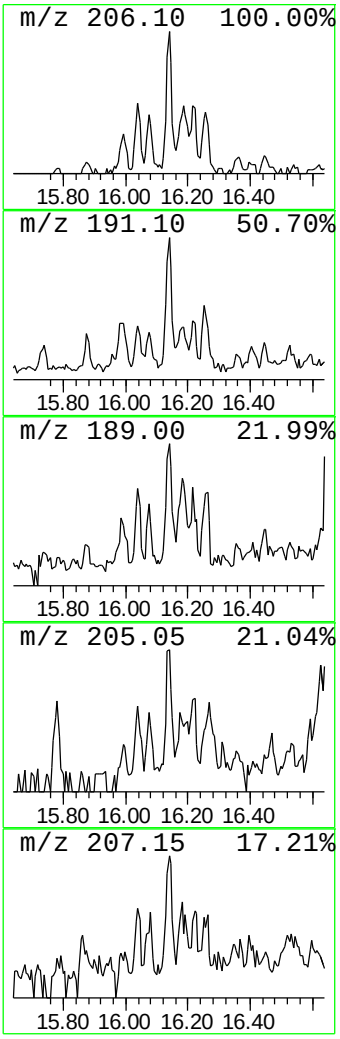
Peak Number 17 Phenanthrene, 2,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.14	2.93 ng	66377	Phenanthrene-d10	14.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	92
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	89





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Misc :
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Instrument : BNA_F
ClientSampleId : G-32-1.5-3

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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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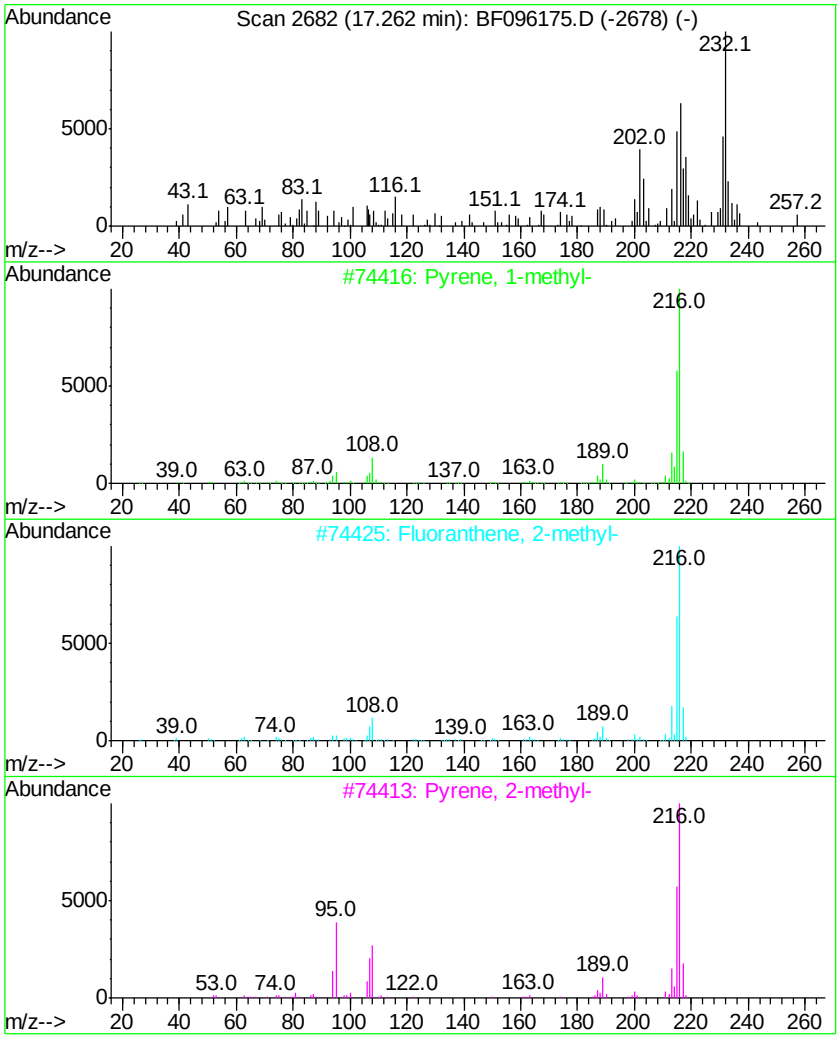
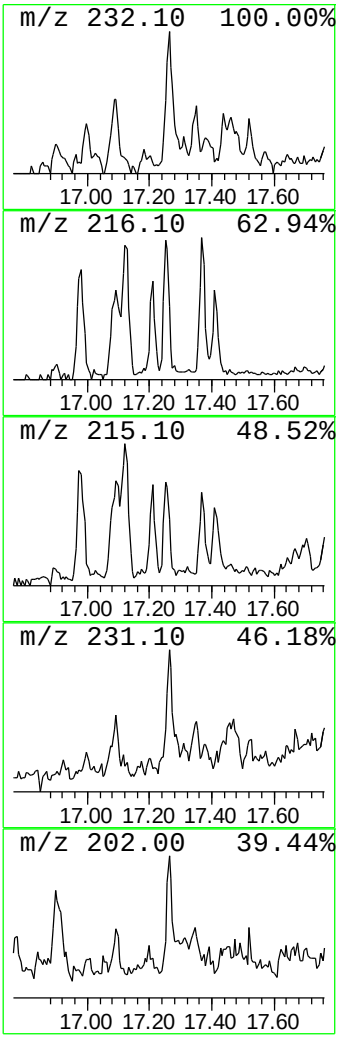
Peak Number 18 Pyrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.26	2.84 ng	93883	Chrysene-d12	18.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	50
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	46
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	46
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	46
5	1,3-Dihydro-5,6-dimethyl-1-(2-pr...	216	C12H12N2S	080276-22-8	46





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Instrument : BNA_F
ClientSampleId : G-32-1.5-3

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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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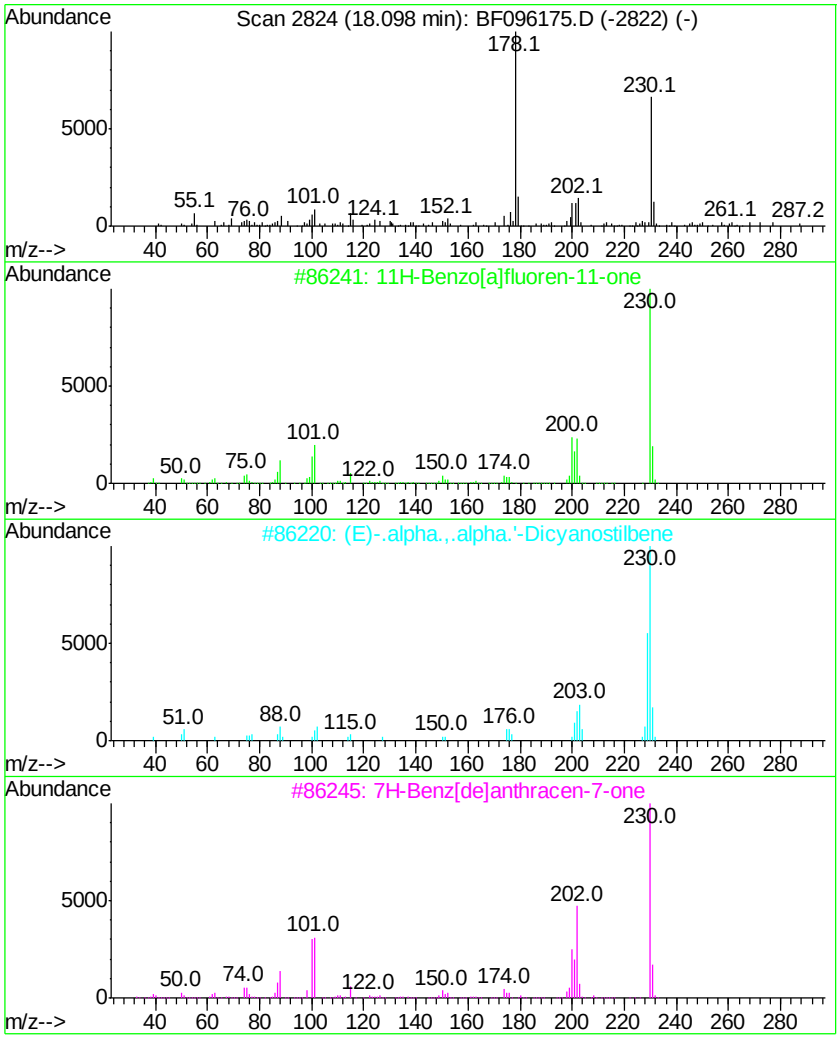
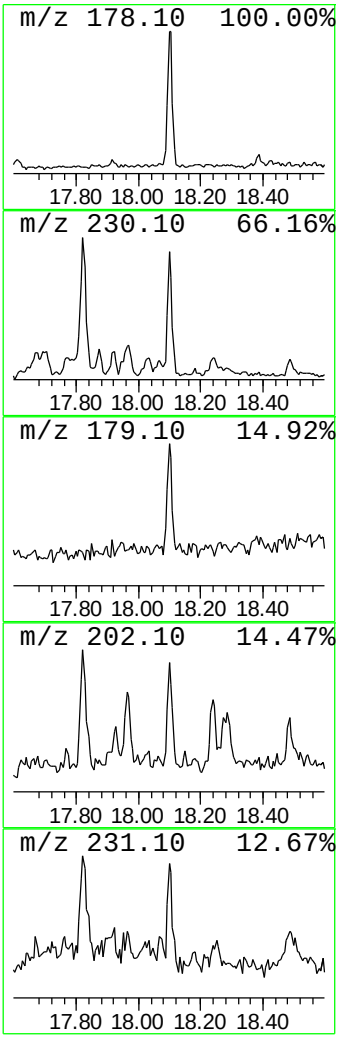
Peak Number 19 11H-Benzo[a]fluoren-11-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.10	2.31 ng	76497	Chrysene-d12	18.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	52
2	(E)-.alpha.,.alpha.'-Dicyanostil...	230	C16H10N2	002450-55-7	42
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	41
4	Phenanthrene	178	C14H10	000085-01-8	38
5	2,3-Naphthalenedicarbonitrile	178	C12H6N2	022856-30-0	38





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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : G-32-1.5-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.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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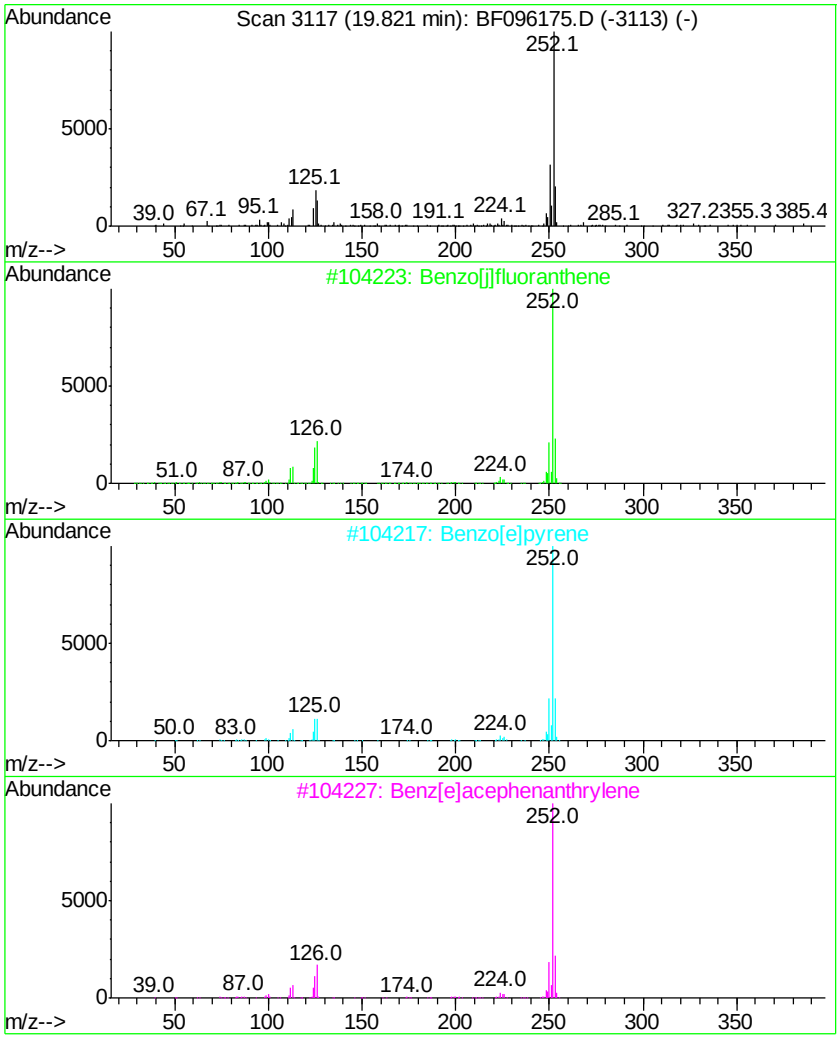
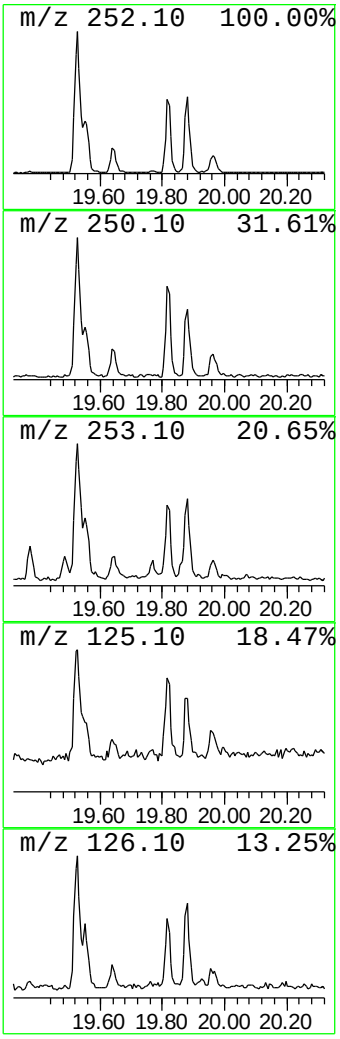
Peak Number 20 Benzo[j]fluoranthene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.82	9.52 ng	166886	Perylene-d12	19.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[j]fluoranthene	252	C20H12	000205-82-3	97
2	Benzo[e]pyrene	252	C20H12	000192-97-2	96
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Perylene	252	C20H12	000198-55-0	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062317\
Data File : BF096175.D
Acq On : 23 Jun 2017 23:41
Operator : SJ/MA
Sample : I3852-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : G-32-1.5-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.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
2-Pentanone, 4-hy...	4.42	8.3	ng	157463	1	7.26	380816	20.0
unknown6.93	6.93	46.3	ng	881780	1	7.26	380816	20.0
Hexane, 2,4-dimet...	7.07	3.1	ng	59624	1	7.26	380816	20.0
Naphthalene, 1,5-...	11.59	2.3	ng	58851	3	12.11	502065	20.0
Biphenylene	11.89	2.5	ng	61629	3	12.11	502065	20.0
Dodecane, 2-methyl-	12.16	4.0	ng	101446	3	12.11	502065	20.0
Decane, 2,3,5-tri...	12.97	4.1	ng	103181	3	12.11	502065	20.0
Undecane, 2,6-dim...	13.33	3.3	ng	73741	4	14.51	453521	20.0
Tridecane	13.74	6.5	ng	147135	4	14.51	453521	20.0
Heptadecane	15.16	2.7	ng	60302	4	14.51	453521	20.0
Anthracene, 2-met...	15.37	2.4	ng	55245	4	14.51	453521	20.0
Anthracene, 9-met...	15.48	2.5	ng	55776	4	14.51	453521	20.0
n-Hexadecanoic acid	15.54	7.4	ng	167496	4	14.51	453521	20.0
Pentadecane	15.77	4.9	ng	111720	4	14.51	453521	20.0
Phenanthrene, 2,5...	16.14	2.9	ng	66377	4	14.51	453521	20.0
Pyrene, 1-methyl-	17.26	2.8	ng	93883	5	18.25	662261	20.0
11H-Benzo[a]fluor...	18.10	2.3	ng	76497	5	18.25	662261	20.0
Benzo[j]fluoranthene	19.82	9.5	ng	166886	6	19.93	350601	20.0