LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051917\
Data File : BF095273.D
Acq On : 19 May 2017 20:34
Operator : SJ/MA
Sample : I3203-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-CONCRETE-BATCH-10

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-BF050217.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	5.101	530	538	563	rBV	1034415	2130916	36.75%	1.540%
2	7.307	909	913	932	rBV	390658	990224	17.08%	0.716%
3	7.437	932	935	944	rVB	392780	666775	11.50%	0.482%
4	7.766	987	991	1001	rBV	349314	465026	8.02%	0.336%
5	7.995	1026	1030	1051	rVB	1136778	1518921	26.19%	1.098%
6	8.660	1140	1143	1159	rVB	668628	1044552	18.01%	0.755%
7	9.778	1324	1333	1338	rBV	564859	979933	16.90%	0.708%
8	9.854	1342	1346	1349	rBV	570021	555588	9.58%	0.401%
9	10.566	1462	1467	1471	rBV2	390382	522604	9.01%	0.378%
10	10.848	1508	1515	1522	rVV	1385296	1771526	30.55%	1.280%
11	10.942	1526	1531	1537	rVV	865433	1186476	20.46%	0.857%
12	11.095	1551	1557	1562	rBV	480250	697194	12.02%	0.504%
13	11.554	1630	1635	1639	rVV2	2151327	2628269	45.32%	1.899%
14	11.777	1667	1673	1680	rBV	2027187	2705153	46.65%	1.955%
15	11.848	1681	1685	1691	rBV	473497	833570	14.37%	0.602%
16	11.960	1700	1704	1705	rBV	980194	1058217	18.25%	0.765%
17	12.083	1720	1725	1729	rBV	1106938	1623842	28.00%	1.173%
18	12.124	1729	1732	1740	rVV2	793602	1204373	20.77%	0.870%
19	12.248	1746	1753	1755	rVV3	412369	753101	12.99%	0.544%
20	12.272	1755	1757	1758	rVV	635666	601662	10.38%	0.435%
21	12.295	1758	1761	1764	rVV	1051289	1351733	23.31%	0.977%
22	12.325	1764	1766	1773	rVB2	385615	524493	9.04%	0.379%
23	12.389	1773	1777	1783	rBV3	415161	847379	14.61%	0.612%
24	12.472	1787	1791	1797	rVB3	426076	641049	11.05%	0.463%
25	12.642	1812	1820	1823	rBV2	2371364	3867279	66.69%	2.794%
26	12.819	1843	1850	1857	rBV	928033	1953797	33.69%	1.412%
27	12.883	1857	1861	1866	rVB2	551039	717460	12.37%	0.518%
28	12.983	1870	1878	1881	rBV2	917476	1496417	25.80%	1.081%
29	13.048	1881	1889	1894	rVB2	1019998	1716758	29.60%	1.240%
30	13.160	1904	1908	1913	rVB2	1026086	1357351	23.41%	0.981%
31	13.213	1913	1917	1921	rBV2	851204	1116993	19.26%	0.807%
32	13.307	1925	1933	1936	rBV4	565930	1101981	19.00%	0.796%
33	13.460	1953	1959	1962	rBV	2465339	3089741	53.28%	2.233%
34	13.513	1965	1968	1975	rVB3	599385	957898	16.52%	0.692%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051917\
Data File : BF095273.D
Acq On : 19 May 2017 20:34
Operator : SJ/MA
Sample : I3203-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-CONCRETE-BATCH-10

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-BF050217.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	13.589	1976	1981	1982	rBV3	643111	897920	15.48%	0.649%
36	13.607	1982	1984	1989	rVV	793141	1112266	19.18%	0.804%
37	13.654	1989	1992	1996	rVB4	364584	480698	8.29%	0.347%
38	13.789	2011	2015	2017	rVV	504517	733863	12.65%	0.530%
39	13.819	2017	2020	2024	rVB	985987	1184053	20.42%	0.856%
40	13.989	2045	2049	2055	rVB2	562760	948168	16.35%	0.685%
41	14.142	2072	2075	2081	rVB2	456732	529283	9.13%	0.382%
42	14.236	2086	2091	2093	rBV	2026168	2934654	50.61%	2.120%
43	14.260	2093	2095	2099	rVB	1667313	1693896	29.21%	1.224%
44	14.460	2126	2129	2134	rVB2	684125	830145	14.32%	0.600%
45	14.601	2150	2153	2157	rVB	485120	544976	9.40%	0.394%
46	14.648	2157	2161	2165	rBV2	525777	740895	12.78%	0.535%
47	14.701	2167	2170	2174	rVB5	335372	497766	8.58%	0.360%
48	14.854	2193	2196	2200	rVB2	645214	782813	13.50%	0.566%
49	14.966	2210	2215	2219	rBV	2096675	2773132	47.82%	2.004%
50	15.018	2219	2224	2228	rBV2	861108	1520103	26.21%	1.098%
51	15.071	2228	2233	2237	rVB	2793525	4237700	73.08%	3.062%
52	15.148	2242	2246	2249	rVB	551740	741952	12.79%	0.536%
53	15.242	2256	2262	2265	rBV	992605	1686992	29.09%	1.219%
54	15.271	2265	2267	2270	rVV2	462754	545780	9.41%	0.394%
55	15.307	2270	2273	2277	rVV	303350	502964	8.67%	0.363%
56	15.548	2309	2314	2320	rBV	1415543	1884381	32.49%	1.362%
57	15.630	2324	2328	2331	rVV	2156803	2410048	41.56%	1.741%
58	15.671	2331	2335	2340	rVB	730653	1319572	22.75%	0.953%
59	15.818	2353	2360	2363	rBV	2982243	5133115	88.52%	3.709%
60	15.871	2363	2369	2372	rVV	3619480	5799053	100.00%	4.190%
61	15.918	2375	2377	2381	rVB	496563	472628	8.15%	0.342%
62	15.965	2381	2385	2388	rBV	1298909	1631987	28.14%	1.179%
63	16.001	2388	2391	2396	rVB2	1452986	1863581	32.14%	1.347%
64	16.101	2404	2408	2413	rBV5	312262	528657	9.12%	0.382%
65	16.154	2413	2417	2424	rBV2	657431	955387	16.47%	0.690%
66	16.218	2424	2428	2435	rBV3	1615478	3074396	53.02%	2.221%
67	16.348	2446	2450	2453	rVB	711524	836714	14.43%	0.605%
68	16.389	2453	2457	2461	rBV	376948	768067	13.24%	0.555%
69	16.460	2464	2469	2473	rVV	1547409	2589912	44.66%	1.871%
70	16.512	2473	2478	2481	rVV	2249274	3542426	61.09%	2.560%
71	16.542	2481	2483	2489	rVB	1774301	2103699	36.28%	1.520%

LSC Area Percent Report

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Operator : SJ/MA
Sample : I3203-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-CONCRETE-BATCH-10

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
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	16.612	2489	2495	2498	rBV	1988363	2977946	51.35%	2.152%
73	16.654	2498	2502	2505	rVV2	908263	1482110	25.56%	1.071%
74	16.683	2505	2507	2510	rVV	729535	719715	12.41%	0.520%
75	16.718	2510	2513	2517	rVV	930194	1238480	21.36%	0.895%
76	16.759	2517	2520	2526	rVV2	1292793	1793784	30.93%	1.296%
77	16.812	2526	2529	2531	rVV	706367	808223	13.94%	0.584%
78	16.842	2531	2534	2539	rVB4	470558	715517	12.34%	0.517%
79	16.901	2539	2544	2547	rBV3	489590	772755	13.33%	0.558%
80	16.995	2556	2560	2565	rVB2	501959	796323	13.73%	0.575%
81	17.054	2565	2570	2572	rBV2	580718	830902	14.33%	0.600%
82	17.083	2572	2575	2577	rVV	597418	711720	12.27%	0.514%
83	17.124	2577	2582	2586	rVB	2537133	3723780	64.21%	2.691%
84	17.177	2587	2591	2595	rVB	704863	1026070	17.69%	0.741%
85	17.230	2595	2600	2602	rBV	779406	1057788	18.24%	0.764%
86	17.259	2602	2605	2607	rVB	716247	663865	11.45%	0.480%
87	17.348	2614	2620	2628	rVB2	1664451	2686790	46.33%	1.941%
88	17.430	2630	2634	2638	rBV2	451924	799094	13.78%	0.577%
89	17.542	2647	2653	2655	rBV4	258510	530074	9.14%	0.383%
90	17.571	2655	2658	2663	rVB2	459259	664541	11.46%	0.480%
91	17.706	2676	2681	2691	rVB2	1786939	2907140	50.13%	2.101%
92	17.818	2696	2700	2704	rVB	665182	741878	12.79%	0.536%
93	17.859	2704	2707	2713	rBV	385585	566599	9.77%	0.409%
94	18.165	2754	2759	2763	rVB2	421913	650153	11.21%	0.470%
95	18.236	2768	2771	2781	rVB2	296151	640035	11.04%	0.462%
96	18.371	2789	2794	2797	rBV2	409031	608283	10.49%	0.440%
97	18.689	2843	2848	2851	rBV2	553733	922852	15.91%	0.667%
98	18.724	2851	2854	2860	rVB2	608716	917110	15.81%	0.663%
99	19.195	2929	2934	2938	rVB	322549	462790	7.98%	0.334%
100	22.142	3429	3435	3446	rBV4	170764	466625	8.05%	0.337%

Sum of corrected areas: 138394835

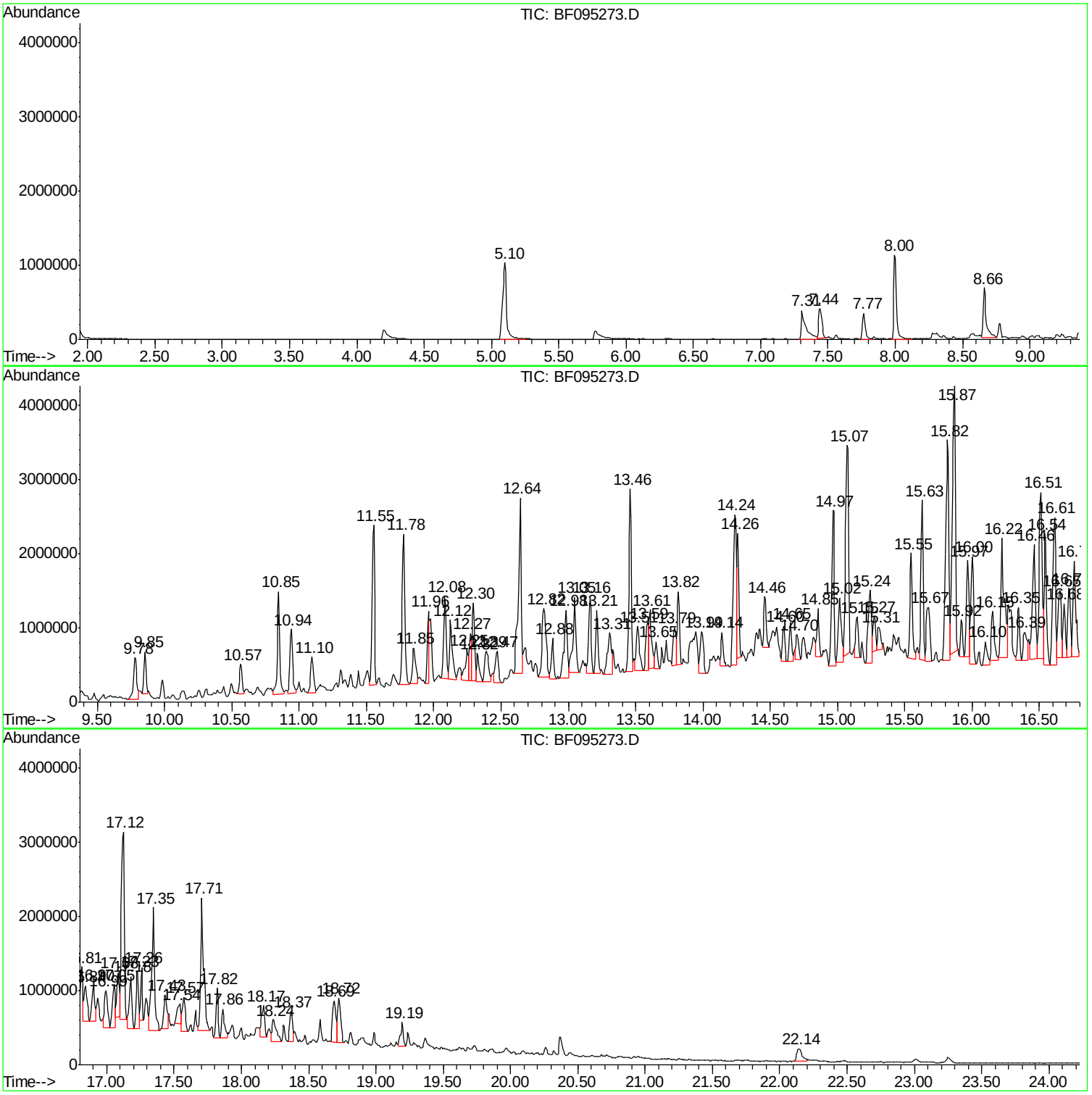
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051917\
Data File : BF095273.D
Acq On : 19 May 2017 20:34
Operator : SJ/MA
Sample : I3203-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-CONCRETE-BATCH-10

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.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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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

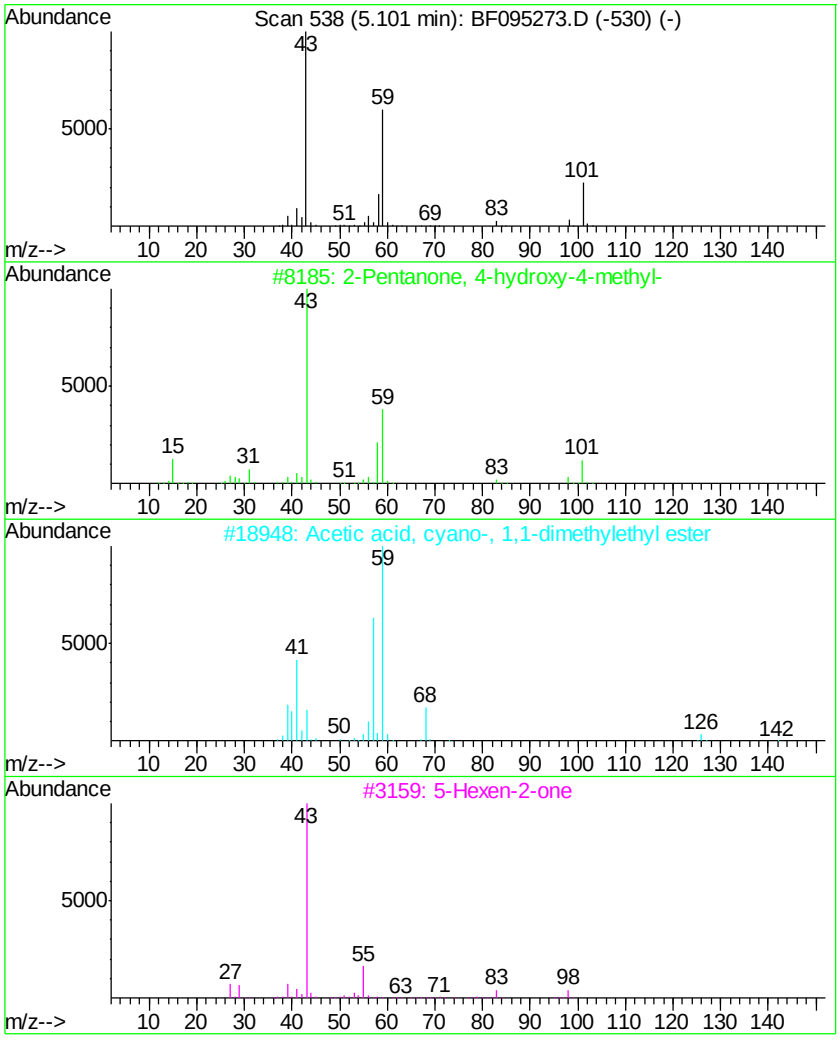
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

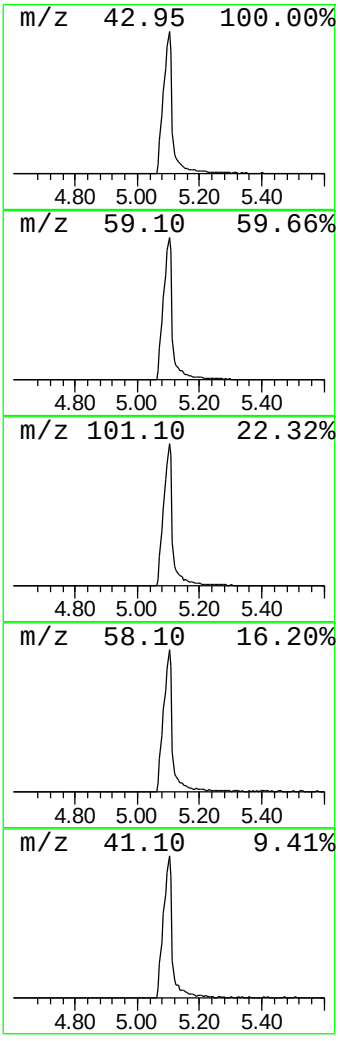
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.10	91.65 ng	2130920	1,4-Dichlorobenzene-d4	7.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	53
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3	5-Hexen-2-one	98	C6H10O	000109-49-9	9
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9





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Operator : SJ/MA
Sample : I3203-01
Misc :
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Instrument : BNA_F
ClientSampleId : E2-CONCRETE-BATCH-10

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

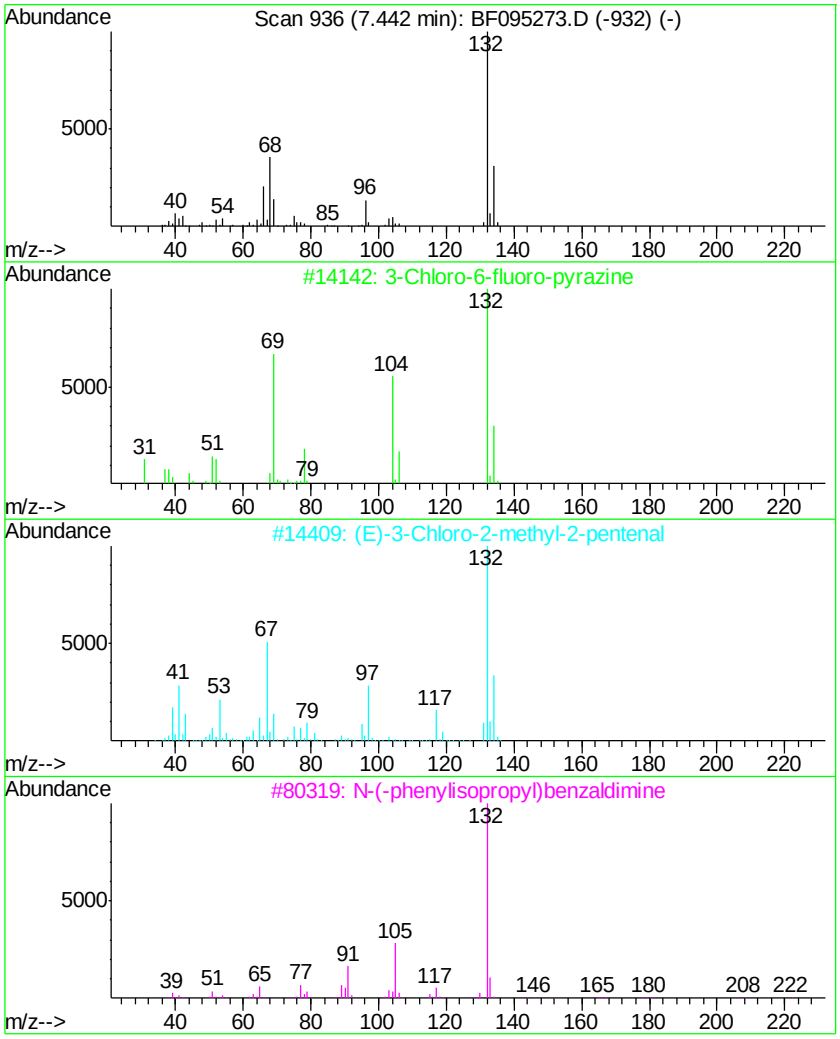
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

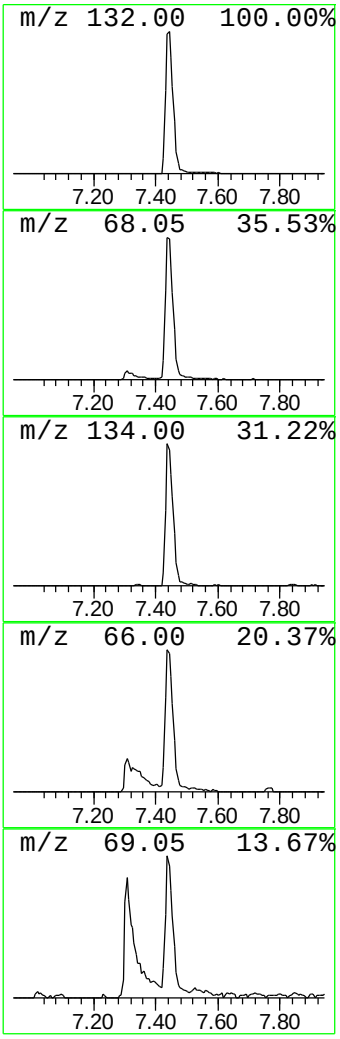
****

Peak Number 2 unknown7.44 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.44	28.68 ng	666775	1,4-Dichlorobenzene-d4	7.77

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	N-(-phenylisopropyl)benzaldimine	223	C16H17N	1000379-01-3	12
4	Amphetaminil	250	C17H18N2	017590-01-1	12
5	Benzeneethanamine, .alpha.-methy...	223	C16H17N	002980-02-1	12





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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
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TIC Library : C:\DATABASE\NIST11.L
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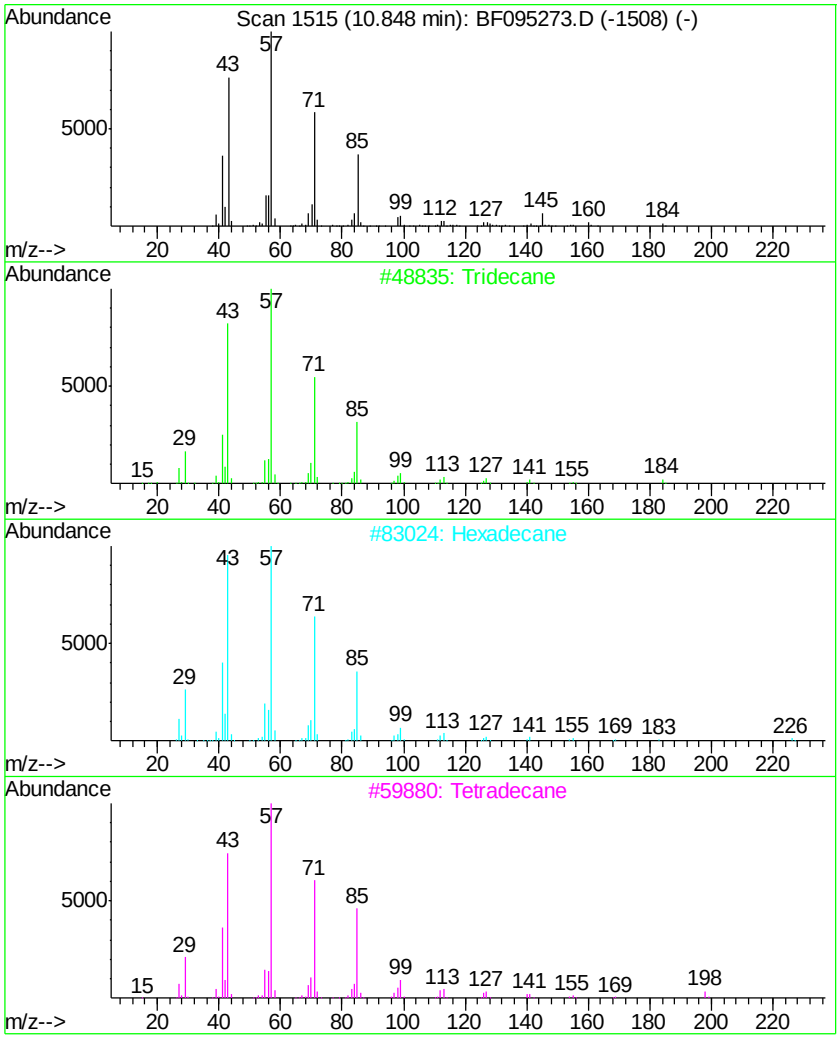
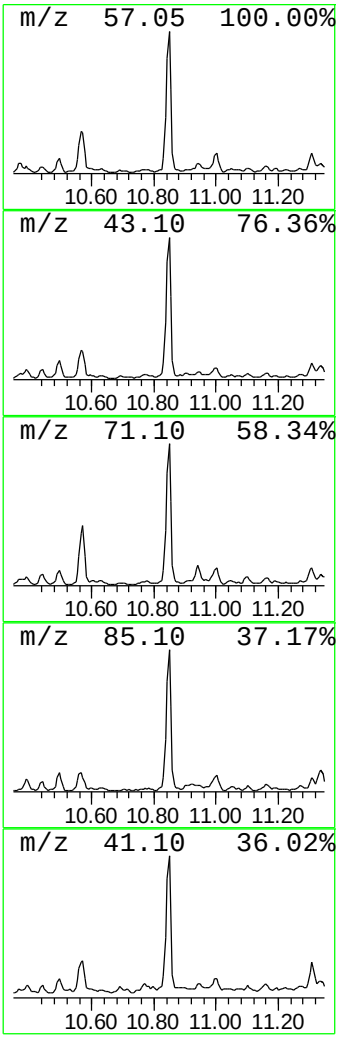
Peak Number 4 Tridecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.85	36.16 ng	1771530	Naphthalene-d8	9.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	91
2	Hexadecane	226	C16H34	000544-76-3	87
3	Tetradecane	198	C14H30	000629-59-4	86
4	Undecane, 2,3-dimethyl-	184	C13H28	017312-77-5	86
5	Dodecane	170	C12H26	000112-40-3	78





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051917\
Data File : BF095273.D
Acq On : 19 May 2017 20:34
Operator : SJ/MA
Sample : I3203-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E2-CONCRETE-BATCH-10

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.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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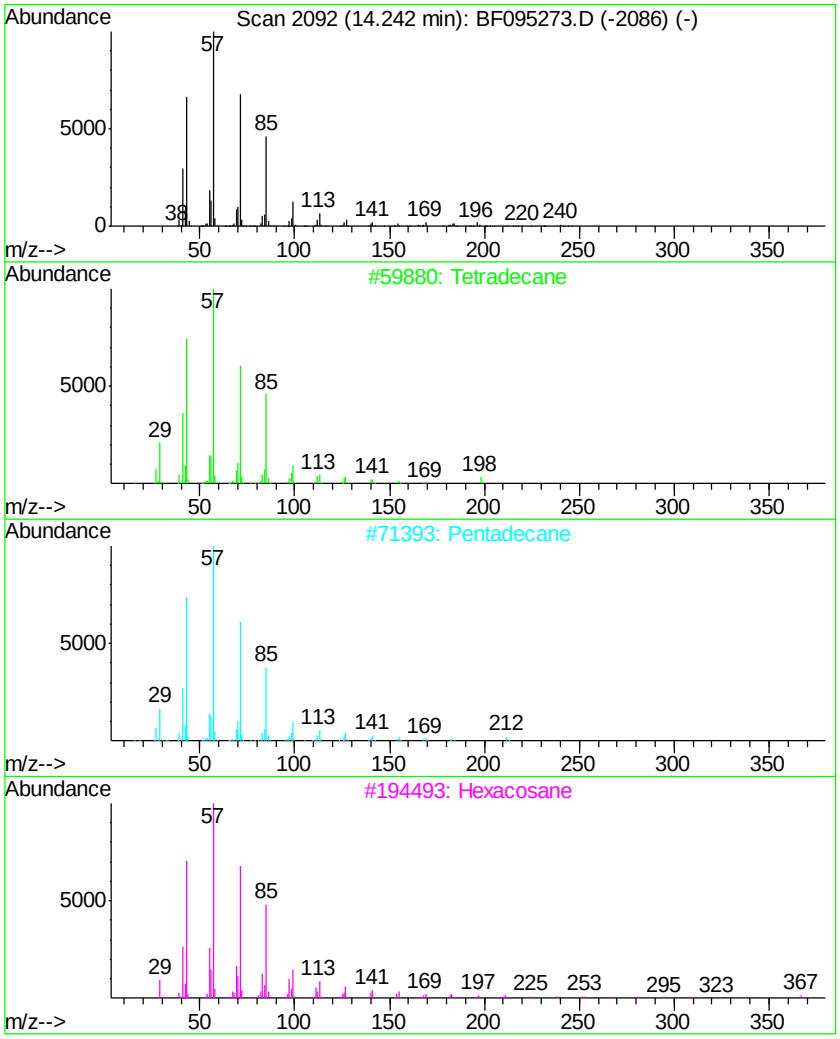
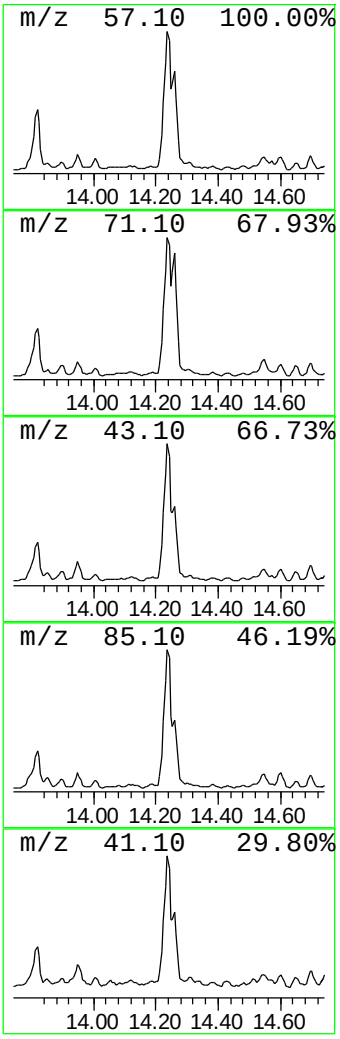
Peak Number 5 Tetradecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.24	38.61 ng	2934650	Phenanthrene-d10	15.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	90
2	Pentadecane	212	C15H32	000629-62-9	90
3	Hexacosane	366	C26H54	000630-01-3	90
4	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	86
5	Hexadecane	226	C16H34	000544-76-3	80





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051917\
Data File : BF095273.D
Acq On : 19 May 2017 20:34
Operator : SJ/MA
Sample : I3203-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-CONCRETE-BATCH-10

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.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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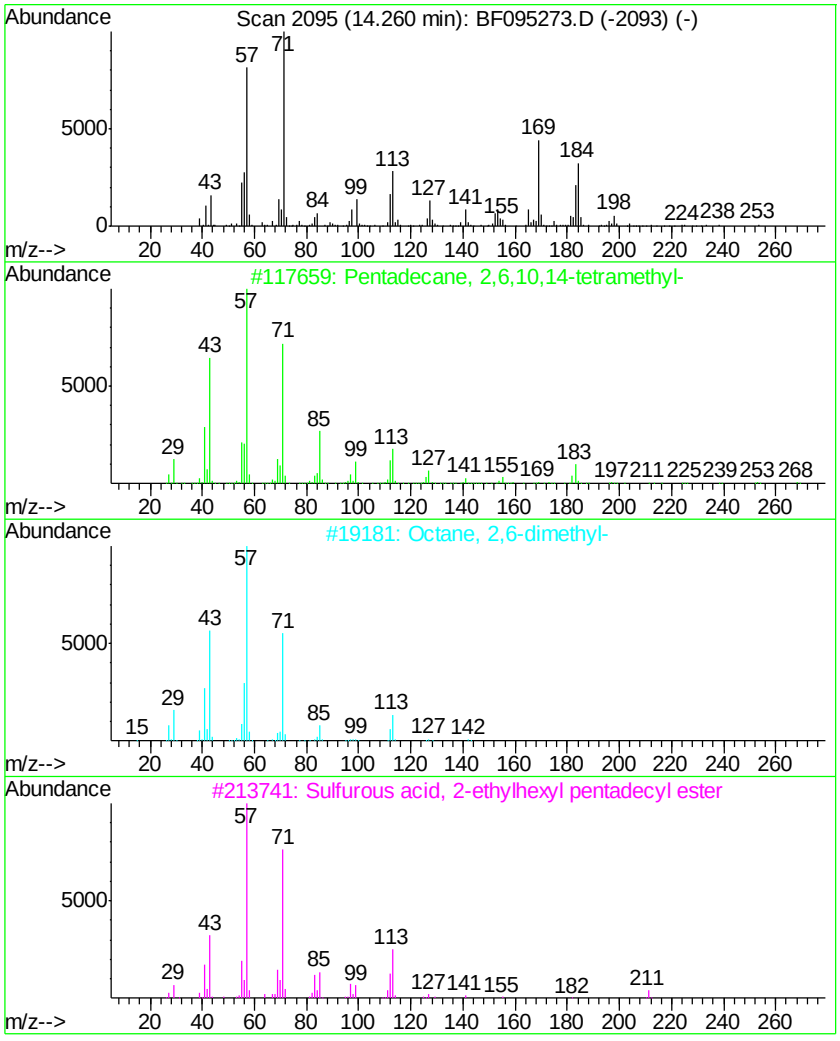
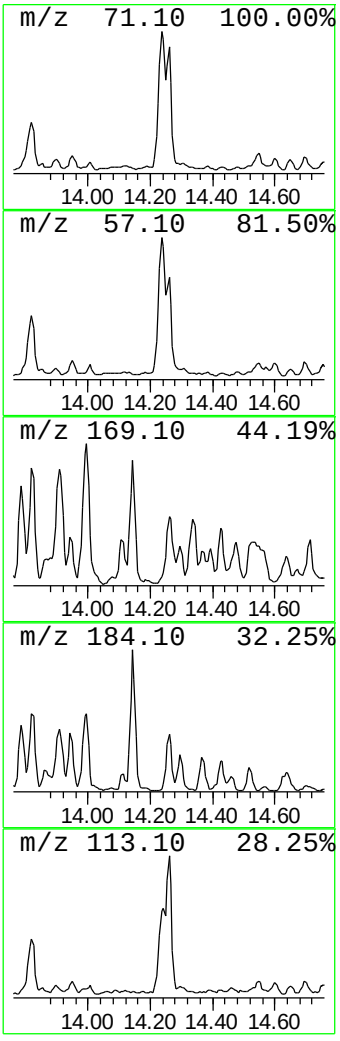
Peak Number 6 Pentadecane, 2,6,10,14-tetr... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.26	22.29 ng	1693900	Phenanthrene-d10	15.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	52
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	43
3	Sulfurous acid, 2-ethylhexyl pen...	404	C23H48O3S	1000309-19-8	43
4	Sulfurous acid, dodecyl 2-ethylh...	362	C20H42O3S	1000309-19-5	43
5	Nonane, 3-methyl-	142	C10H22	005911-04-6	38





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Acq On : 19 May 2017 20:34
Operator : SJ/MA
Sample : I3203-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-CONCRETE-BATCH-10

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.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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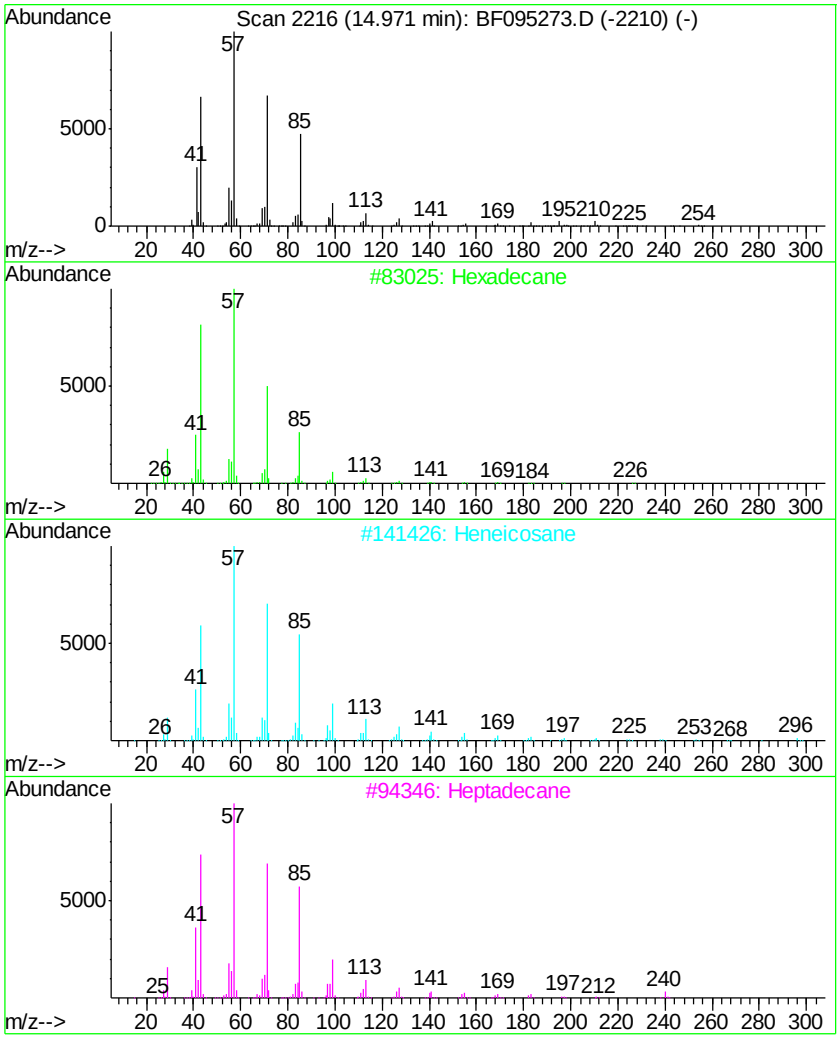
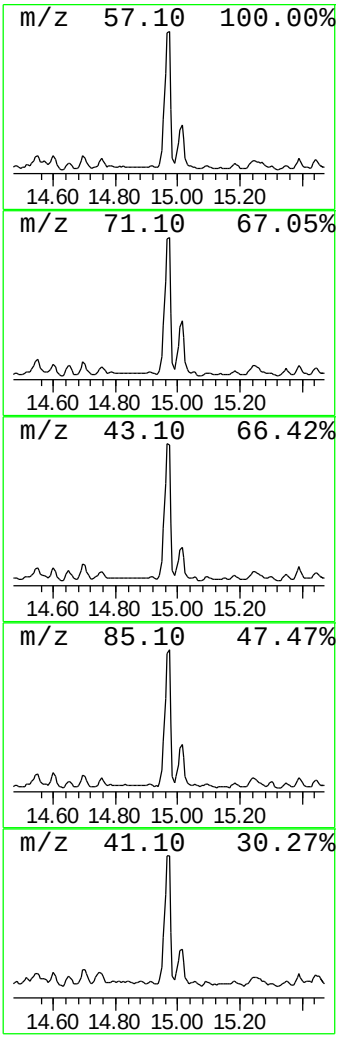
Peak Number 7 Hexadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.97	36.49 ng	2773130	Phenanthrene-d10	15.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	90
2	Heneicosane	296	C21H44	000629-94-7	90
3	Heptadecane	240	C17H36	000629-78-7	90
4	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	86
5	Sulfurous acid, pentadecyl 2-pro...	334	C18H38O3S	1000309-12-6	86





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Sample : I3203-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-CONCRETE-BATCH-10

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.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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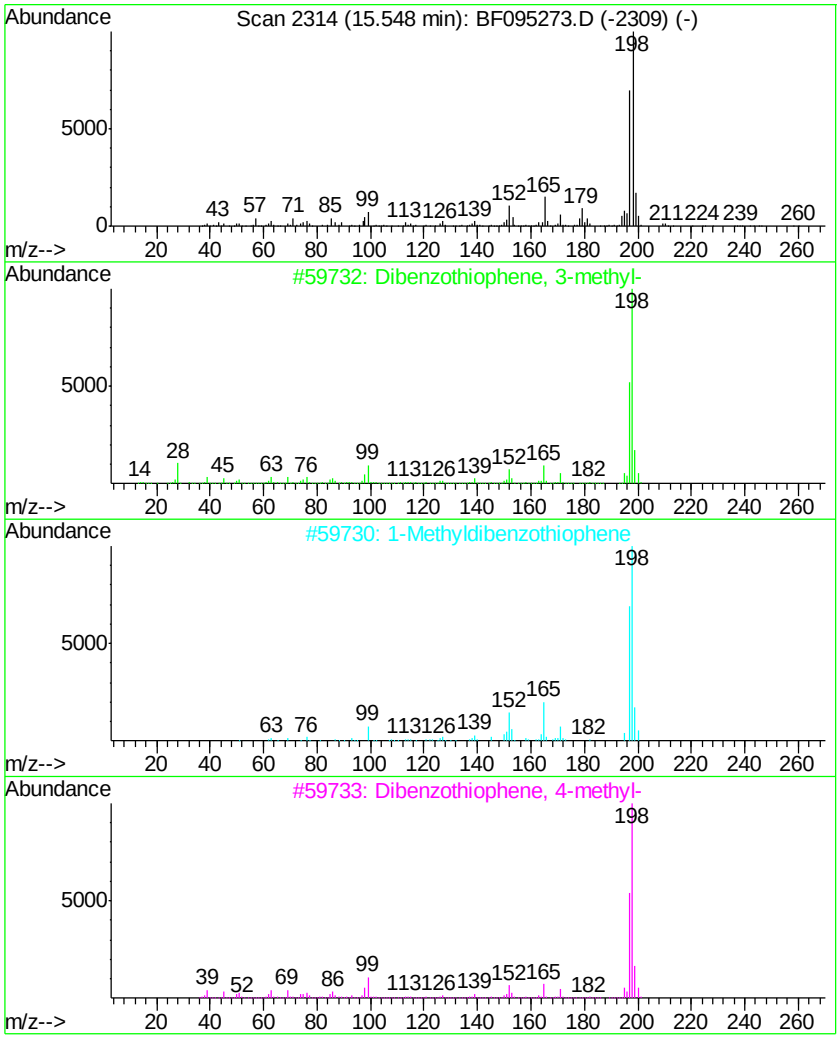
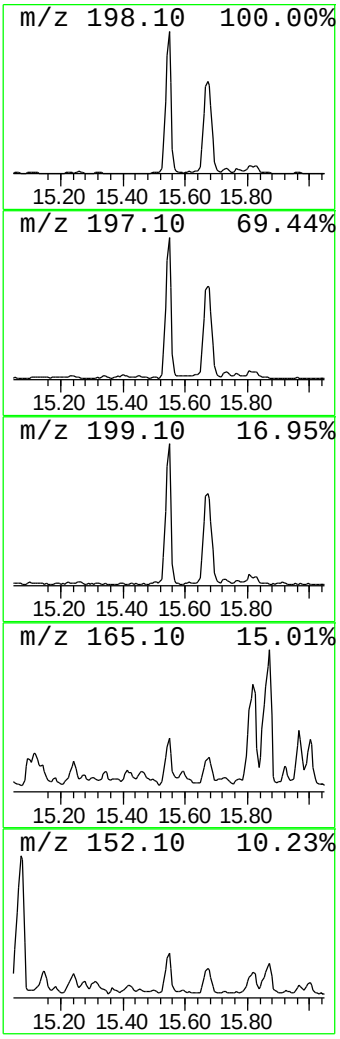
Peak Number 8 Dibenzothiophene, 3-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.55	24.79 ng	1884380	Phenanthrene-d10	15.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	96
2	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	93
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	93
4	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	80
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	74





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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-CONCRETE-BATCH-10

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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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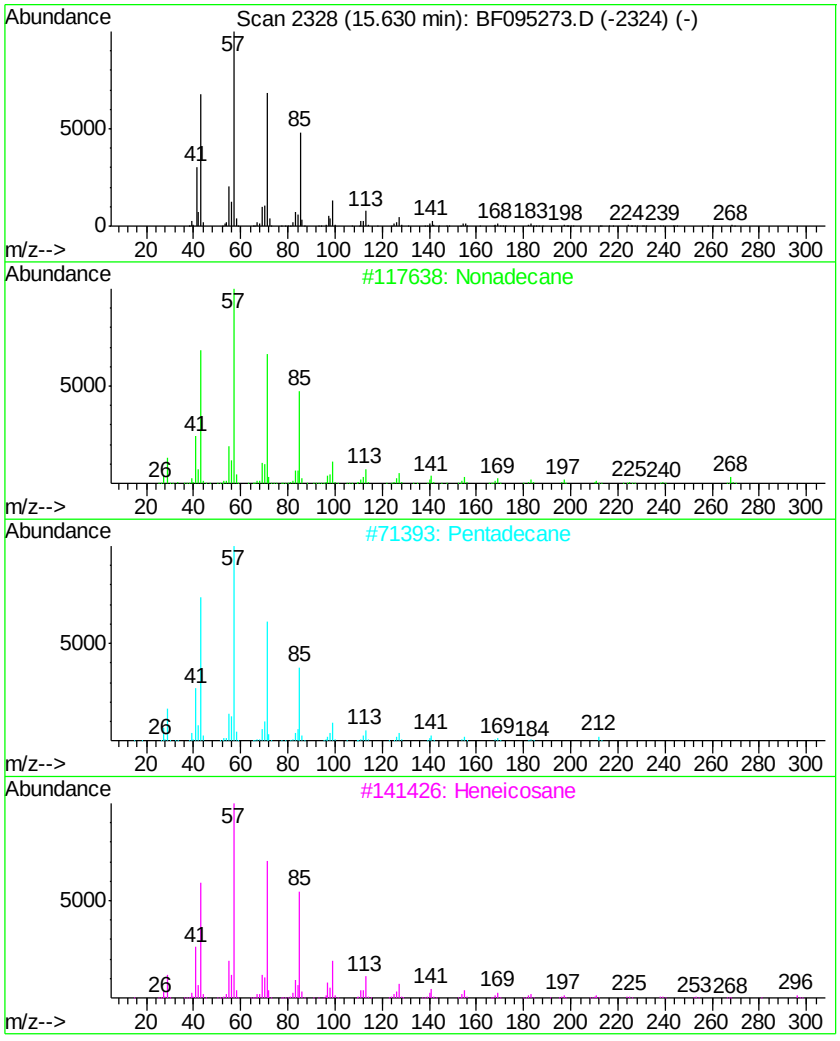
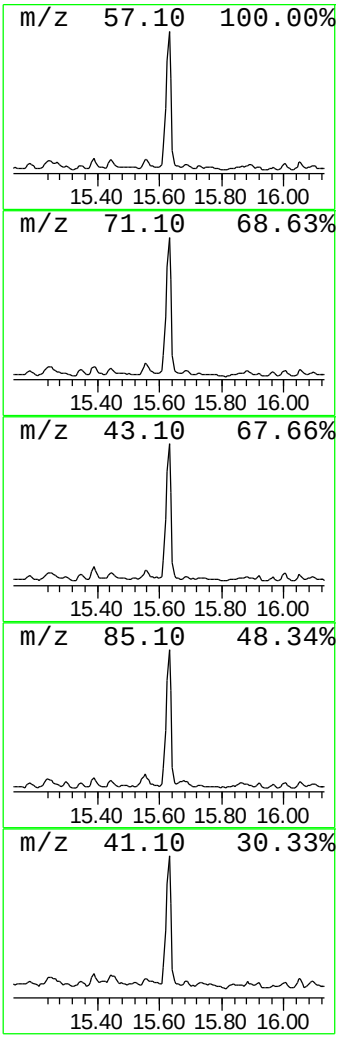
Peak Number 9 Nonadecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.63	31.71 ng	2410050	Phenanthrene-d10	15.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	91
2	Pentadecane	212	C15H32	000629-62-9	91
3	Heneicosane	296	C21H44	000629-94-7	91
4	Hexadecane	226	C16H34	000544-76-3	90
5	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	87





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Operator : SJ/MA
Sample : I3203-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-CONCRETE-BATCH-10

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.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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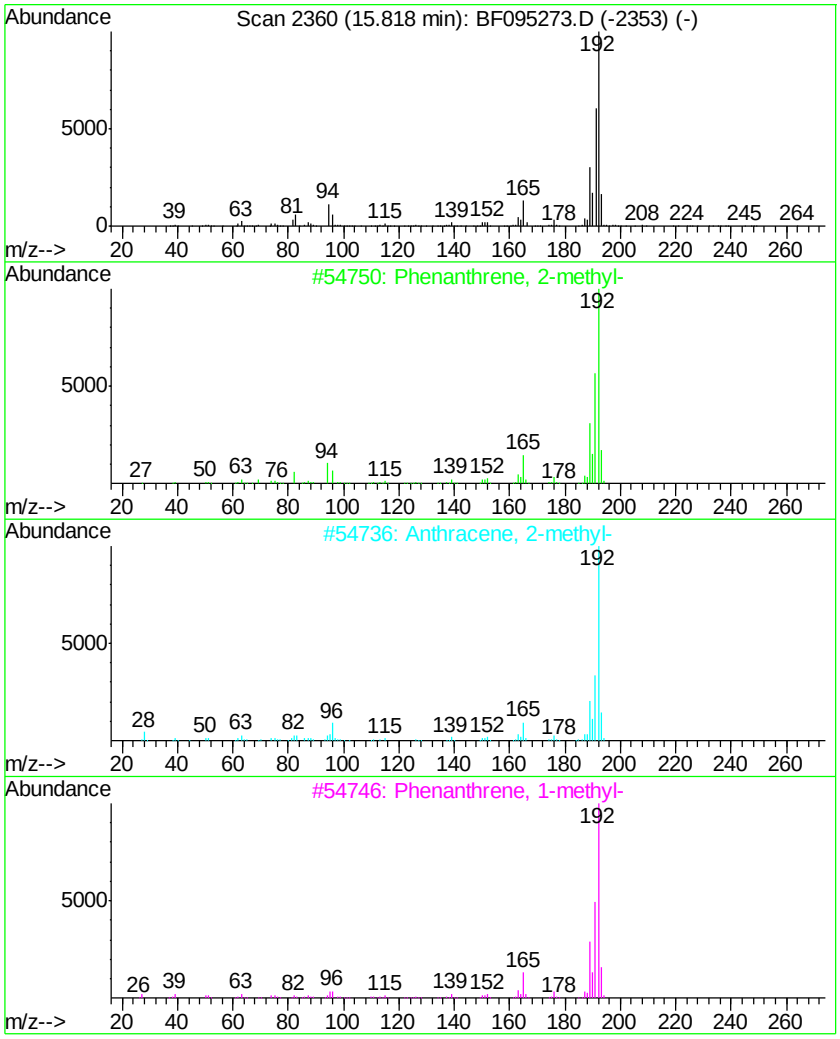
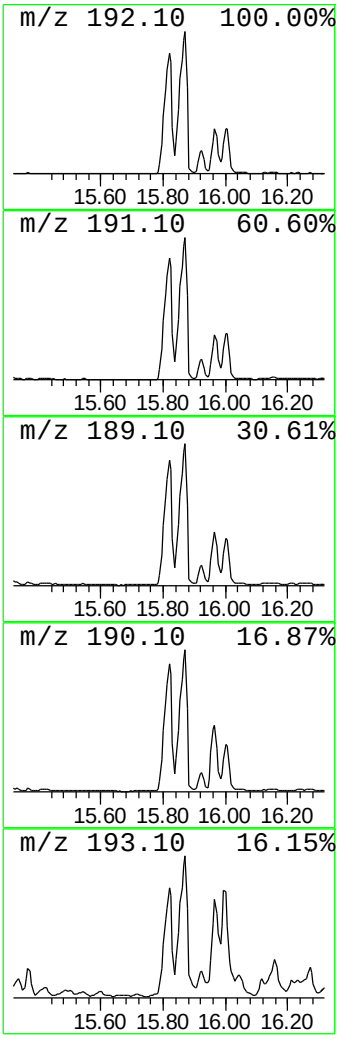
Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.82	67.54 ng	5133120	Phenanthrene-d10	15.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





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Acq On : 19 May 2017 20:34
Operator : SJ/MA
Sample : I3203-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E2-CONCRETE-BATCH-10

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.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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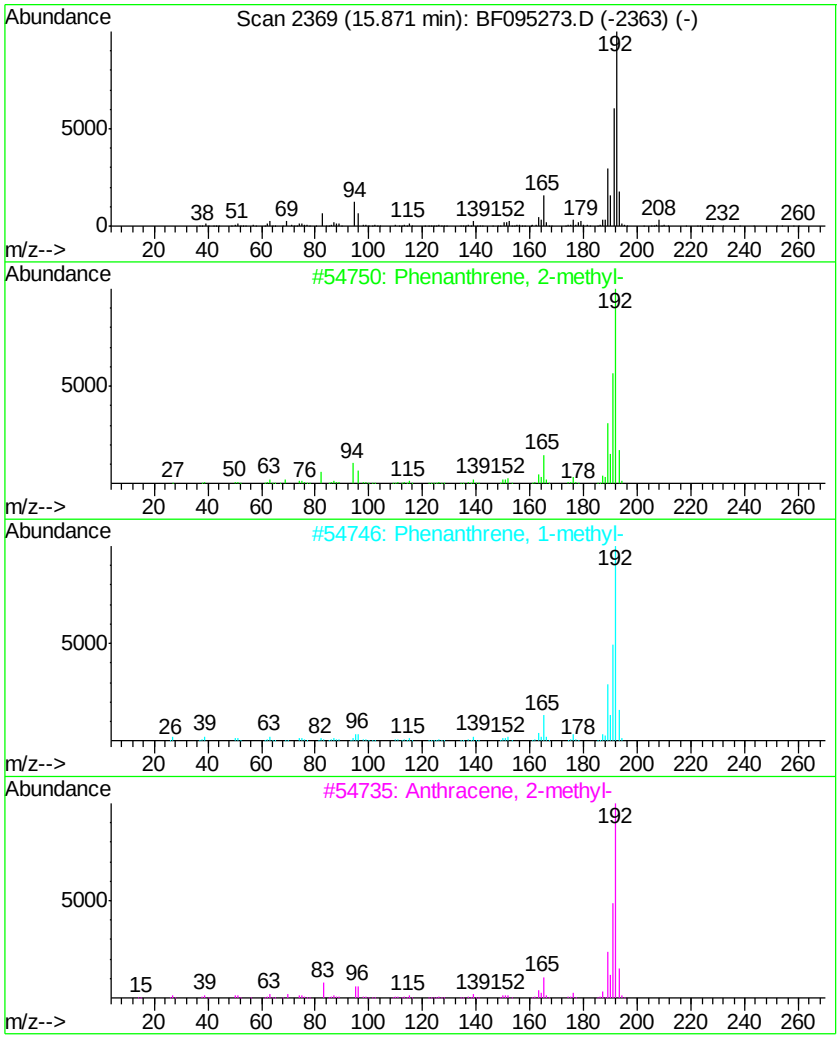
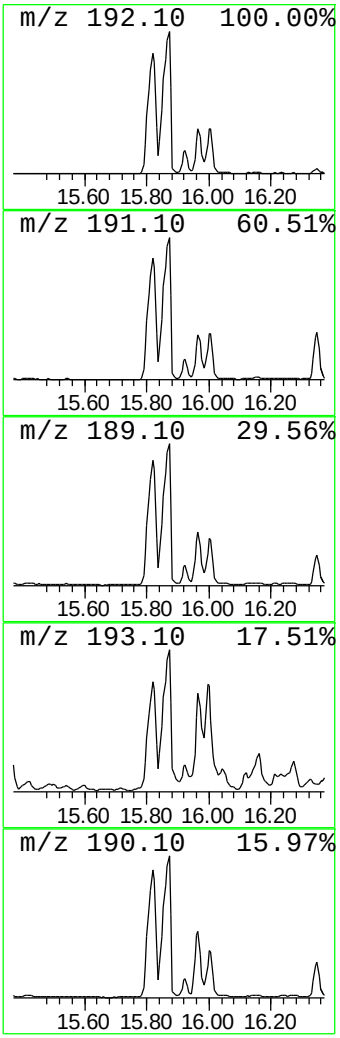
Peak Number 11 Anthracene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.87	76.30 ng	5799050	Phenanthrene-d10	15.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	96





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Sample : I3203-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-CONCRETE-BATCH-10

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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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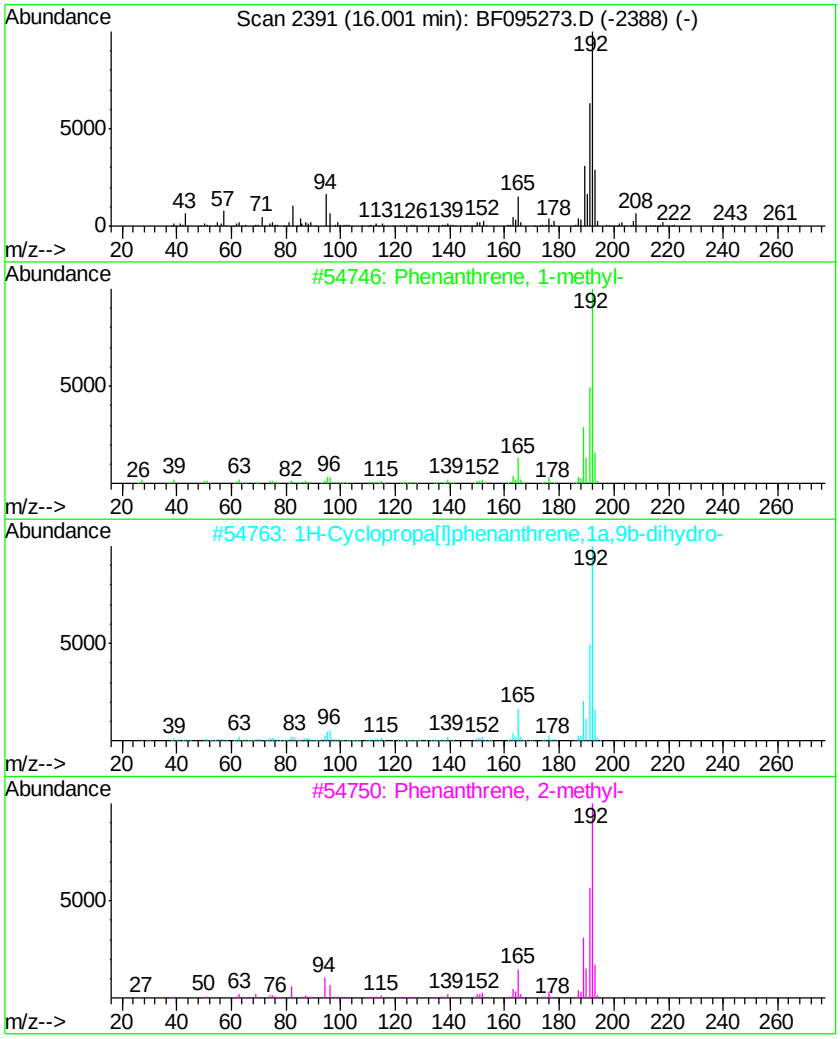
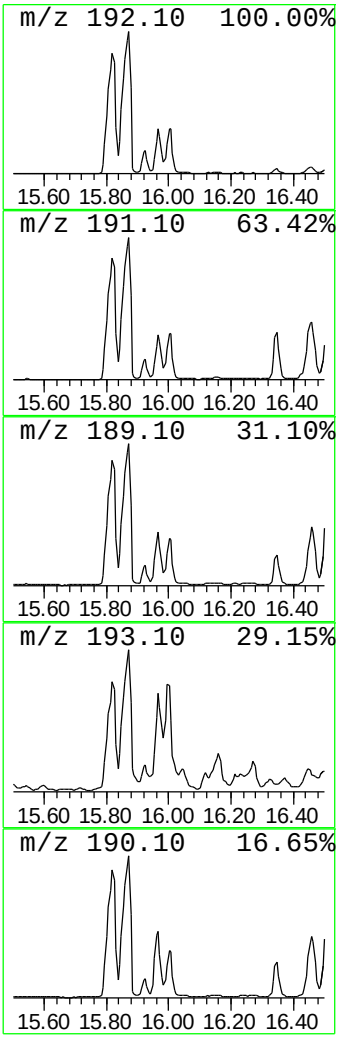
Peak Number 12 Phenanthrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.00	24.52 ng	1863580	Phenanthrene-d10	15.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





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Sample : I3203-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-CONCRETE-BATCH-10

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.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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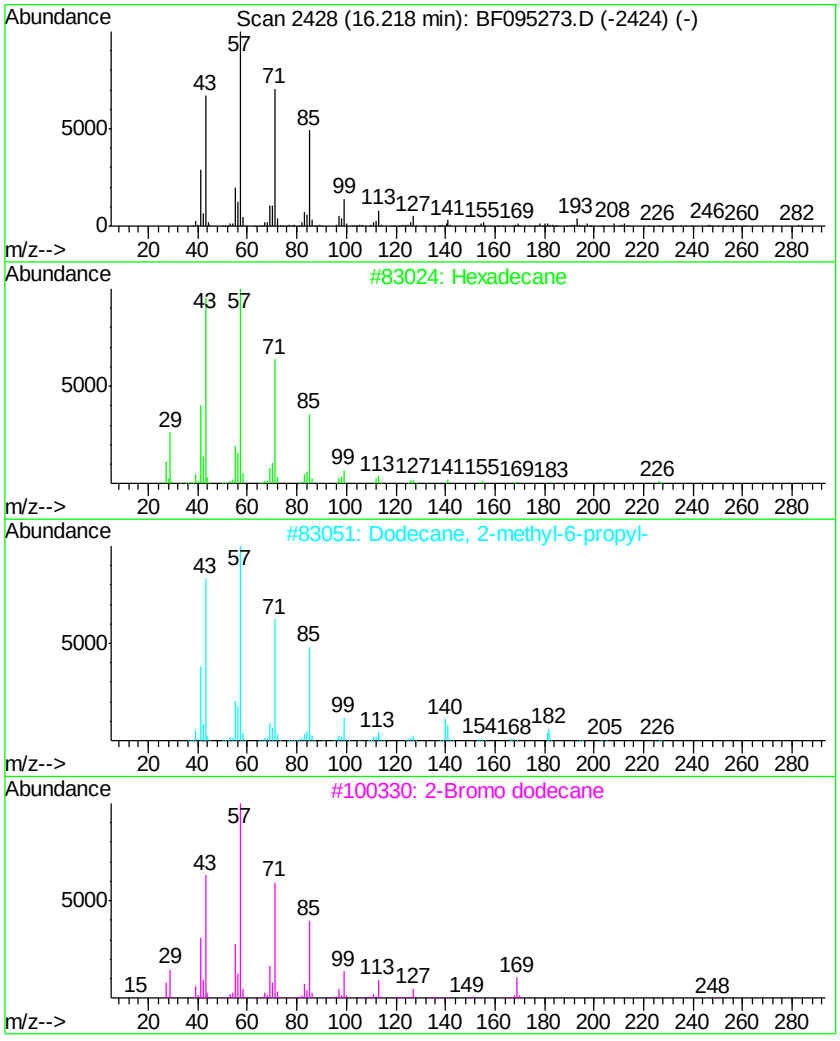
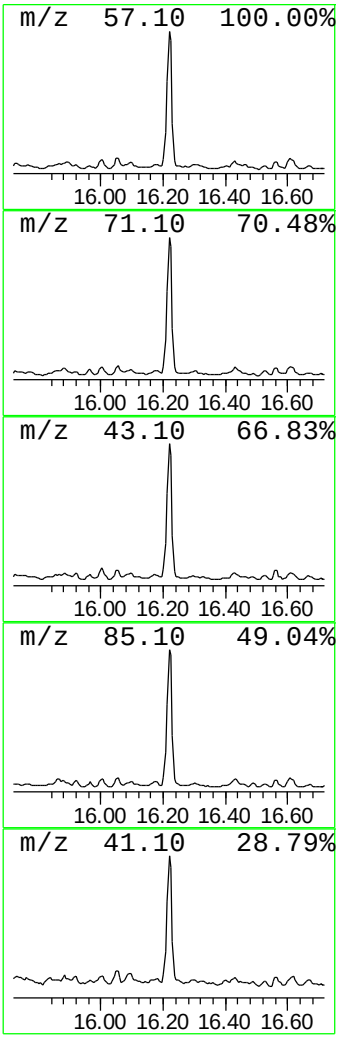
Peak Number 13 Dodecane, 2-methyl-6-propyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.22	40.45 ng	3074400	Phenanthrene-d10	15.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	95
2	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	90
3	2-Bromo dodecane	248	C12H25Br	013187-99-0	87
4	Nonadecane	268	C19H40	000629-92-5	87
5	Tetradecane, 4-ethyl-	226	C16H34	055045-14-2	87





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Operator : SJ/MA
Sample : I3203-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-CONCRETE-BATCH-10

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.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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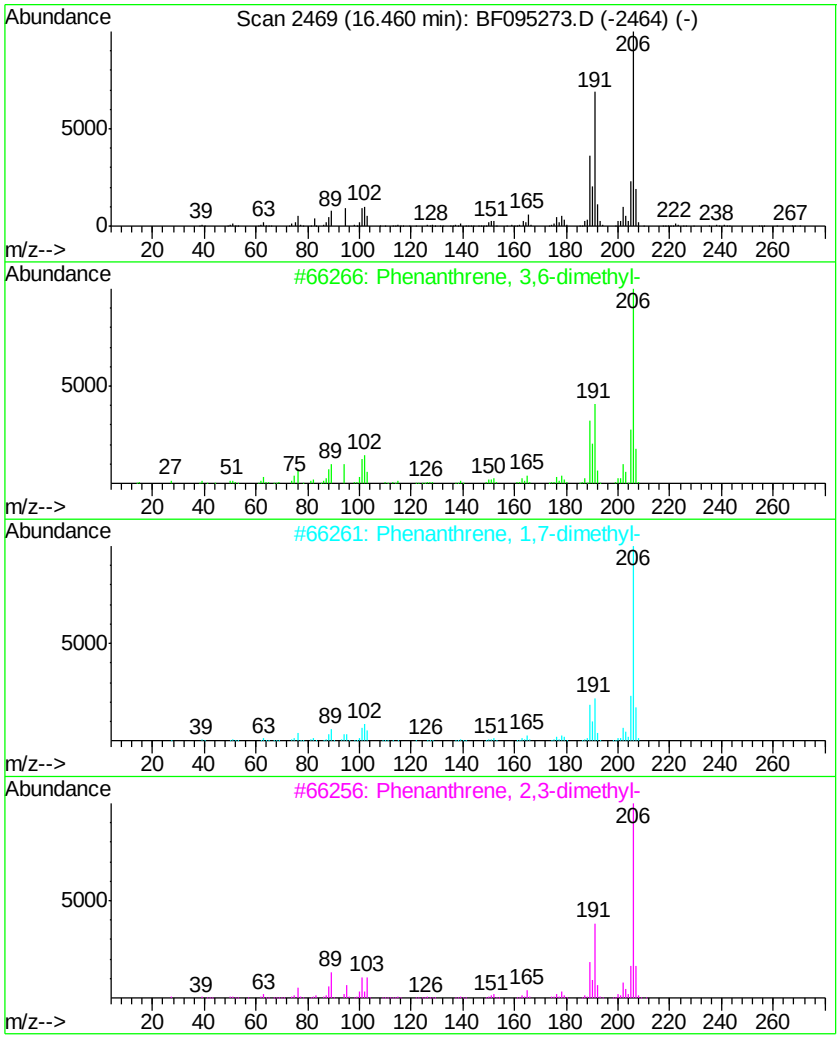
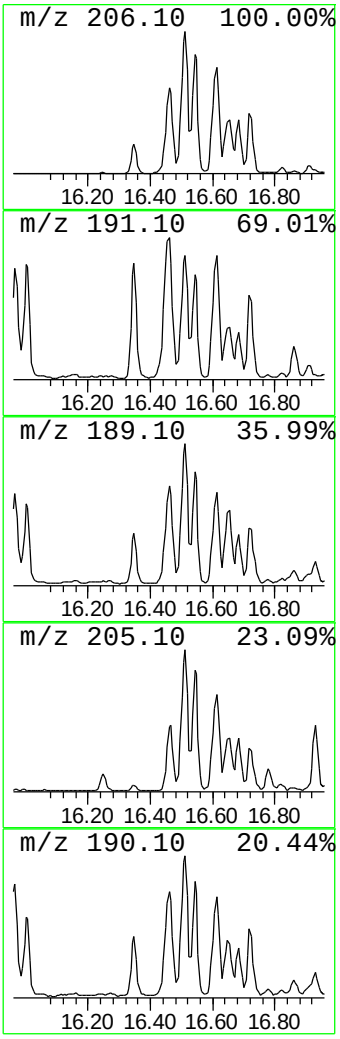
Peak Number 14 Phenanthrene, 3,6-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.46	34.08 ng	2589910	Phenanthrene-d10	15.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	95
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	90
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90





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Misc :
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Instrument : BNA_F
ClientSampleId : E2-CONCRETE-BATCH-10

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.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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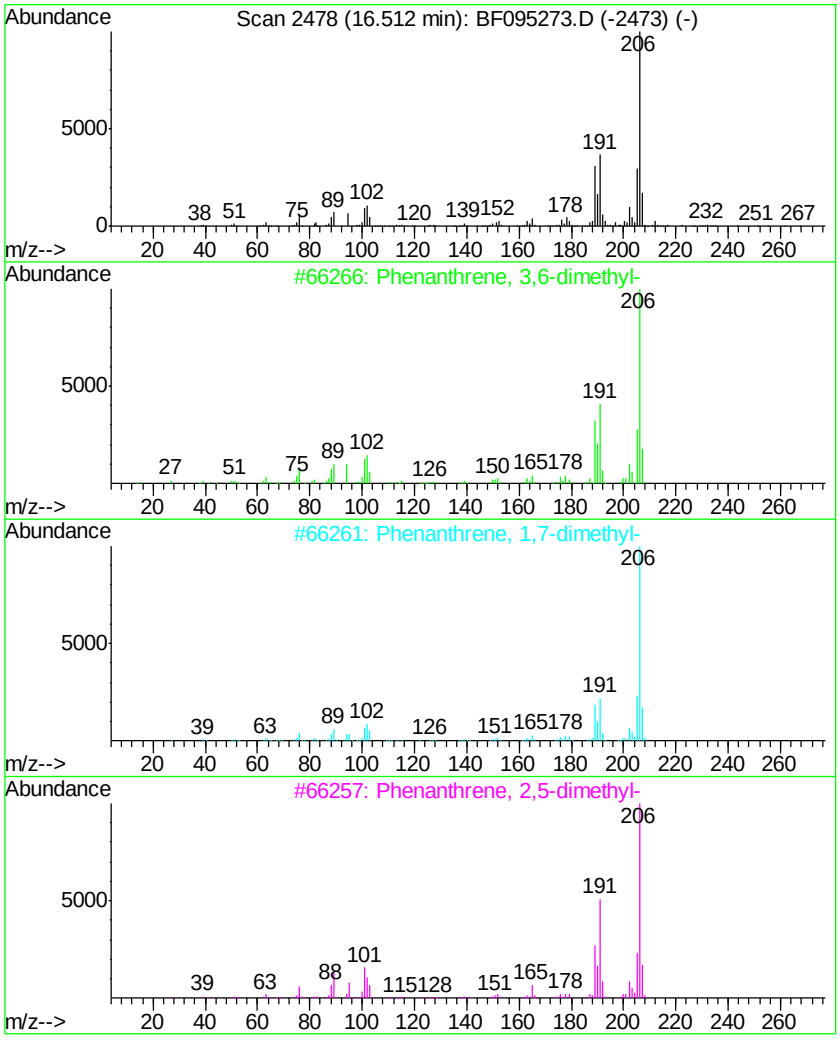
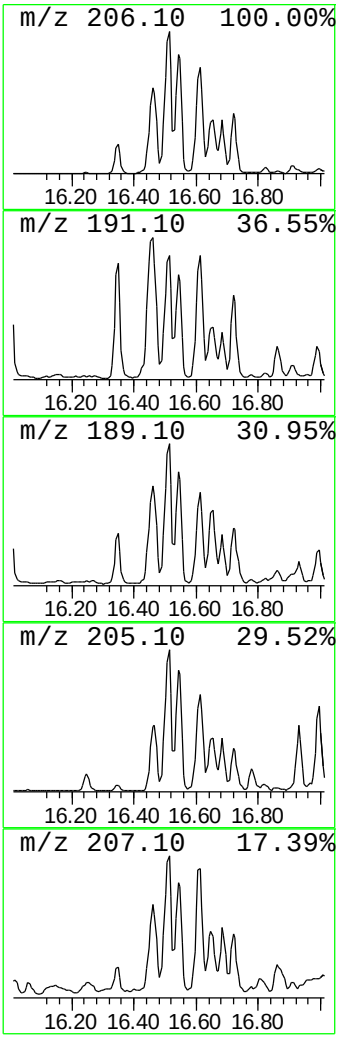
Peak Number 15 Phenanthrene, 1,7-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.51	46.61 ng	3542430	Phenanthrene-d10	15.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	97
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	90





Library Search Compound Report

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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-CONCRETE-BATCH-10

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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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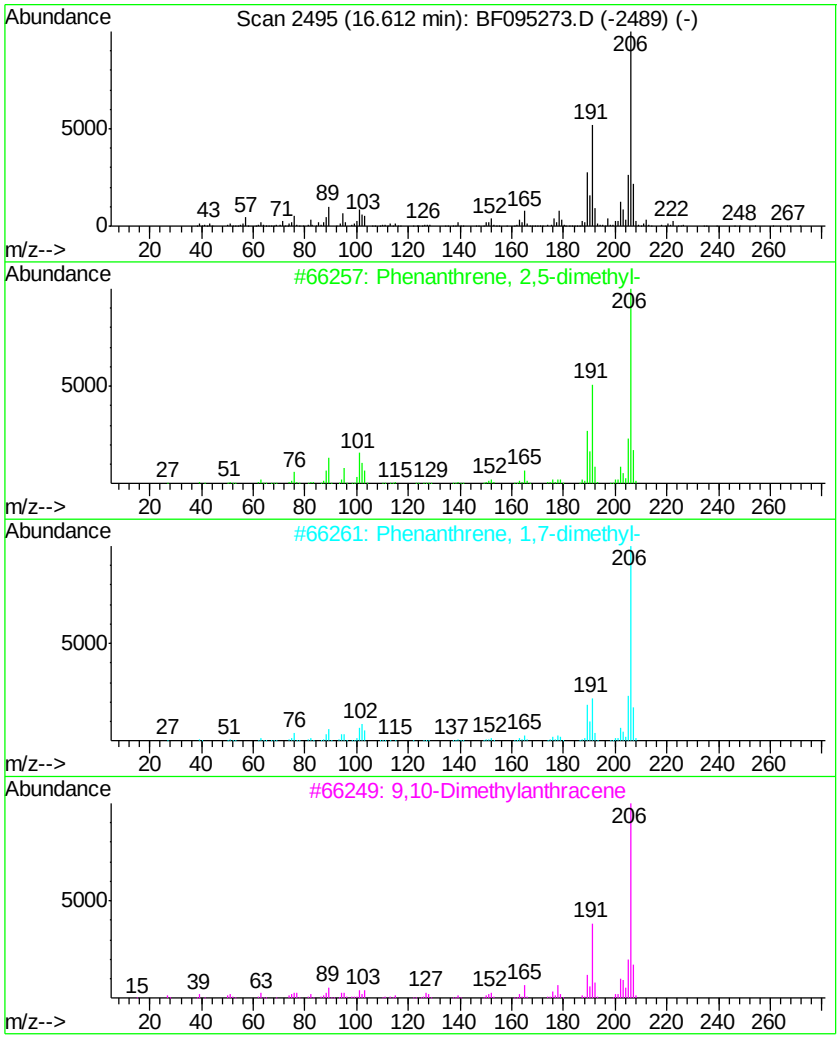
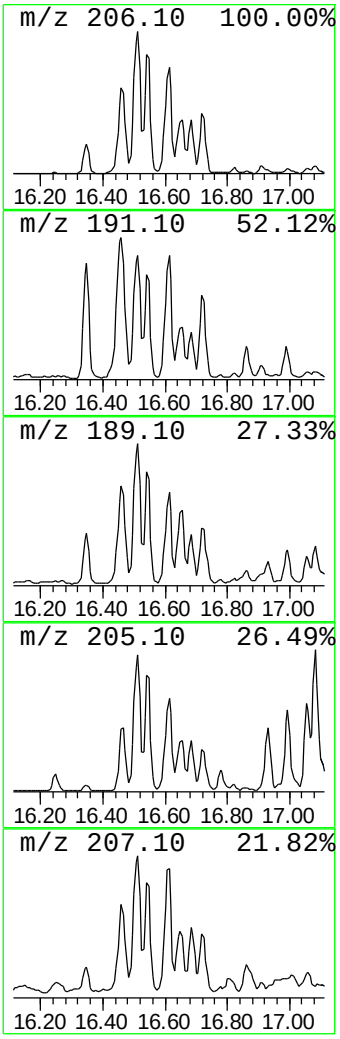
Peak Number 17 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.61	39.18 ng	2977950	Phenanthrene-d10	15.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90





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Sample : I3203-01
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ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-CONCRETE-BATCH-10

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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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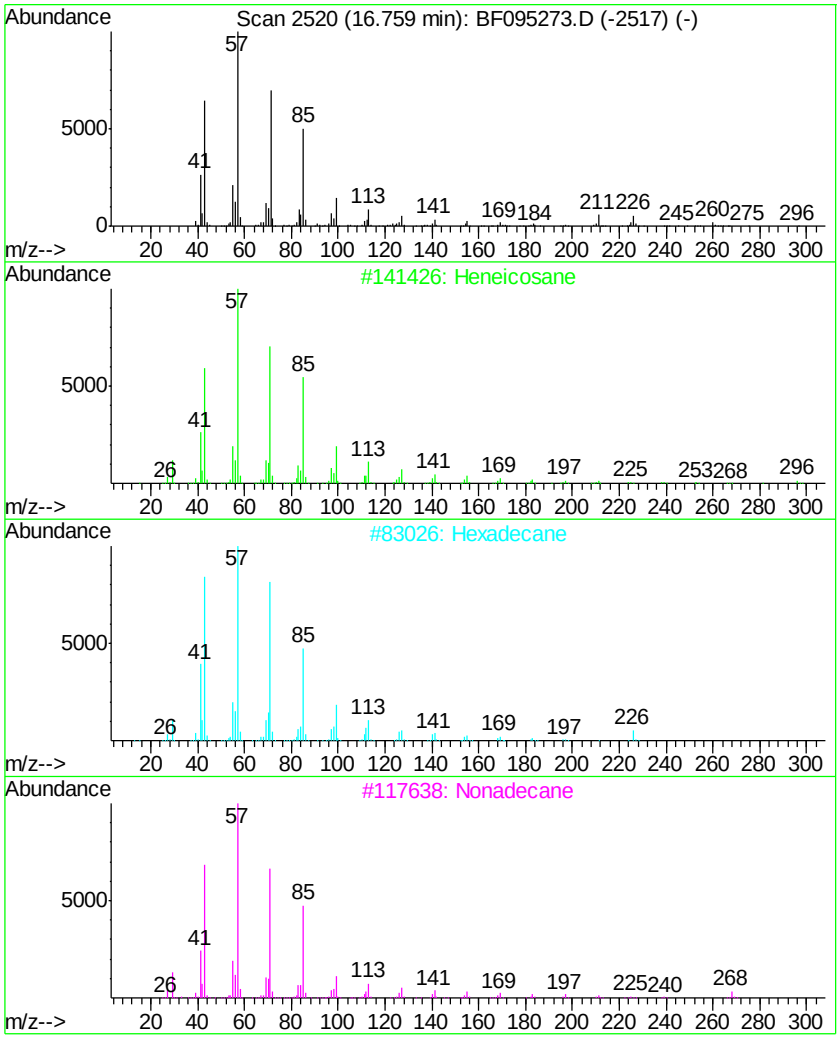
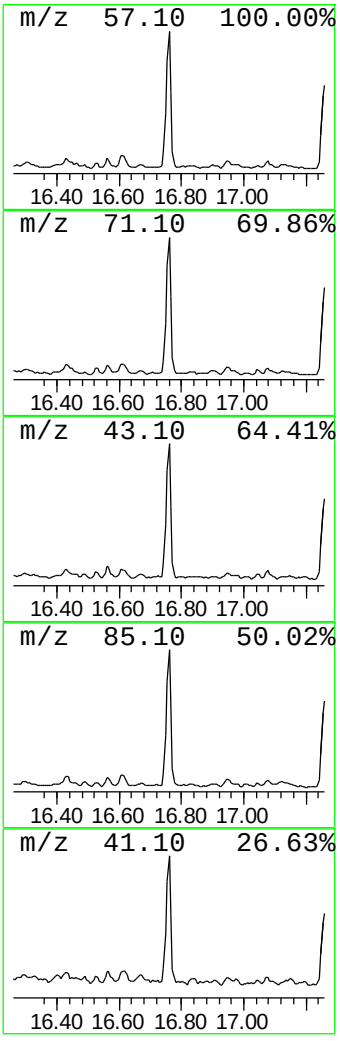
Peak Number 18 Heneicosane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.76	23.60 ng	1793780	Phenanthrene-d10	15.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	97
2	Hexadecane	226	C16H34	000544-76-3	93
3	Nonadecane	268	C19H40	000629-92-5	87
4	Octadecane	254	C18H38	000593-45-3	83
5	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	80





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Sample : I3203-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-CONCRETE-BATCH-10

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.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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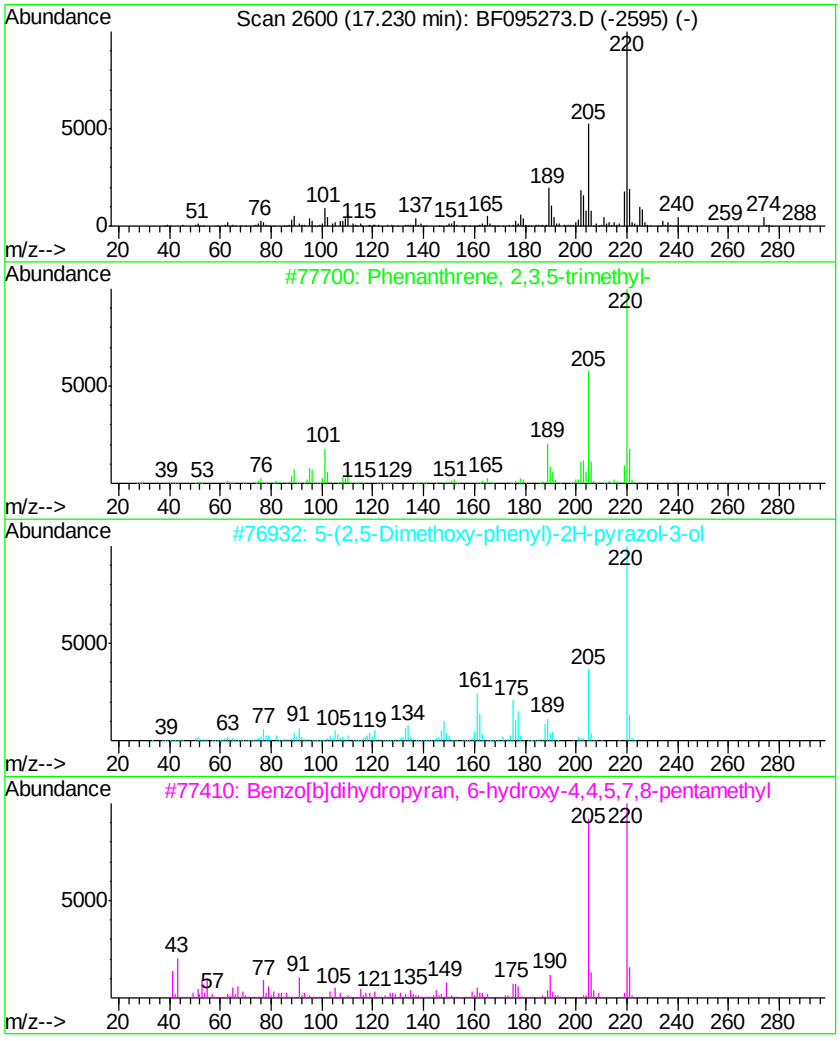
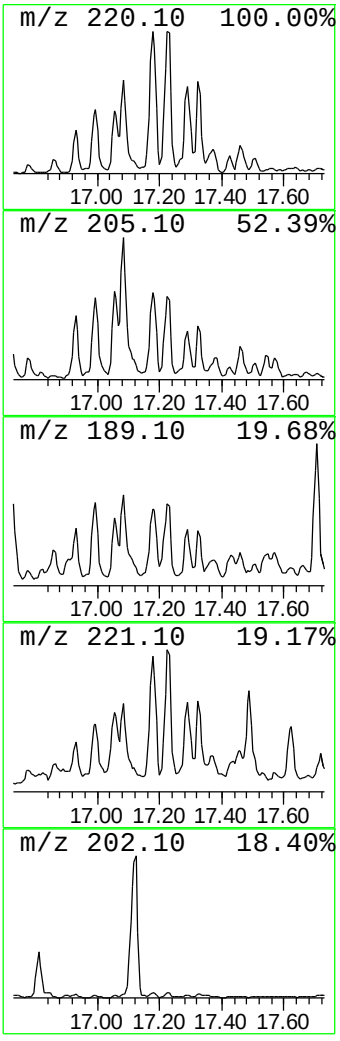
Peak Number 19 Phenanthrene, 2,3,5-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.23	22.92 ng	1057790	Chrysene-d12	18.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	87
2	5-(2,5-Dimethoxy-phenyl)-2H-pyra...	220	C11H12N2O3	1000278-26-9	53
3	Benzo[b]dihydropyran, 6-hydroxy-...	220	C14H20O2	050442-70-1	53
4	Cyclopropanecarboxylic acid, 1-(...	360	C23H36O3	108546-71-0	53
5	3,5-Cyclohexadiene-1,2-dione, 3,...	220	C14H20O2	003383-21-9	50





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051917\
Data File : BF095273.D
Acq On : 19 May 2017 20:34
Operator : SJ/MA
Sample : I3203-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-CONCRETE-BATCH-10

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

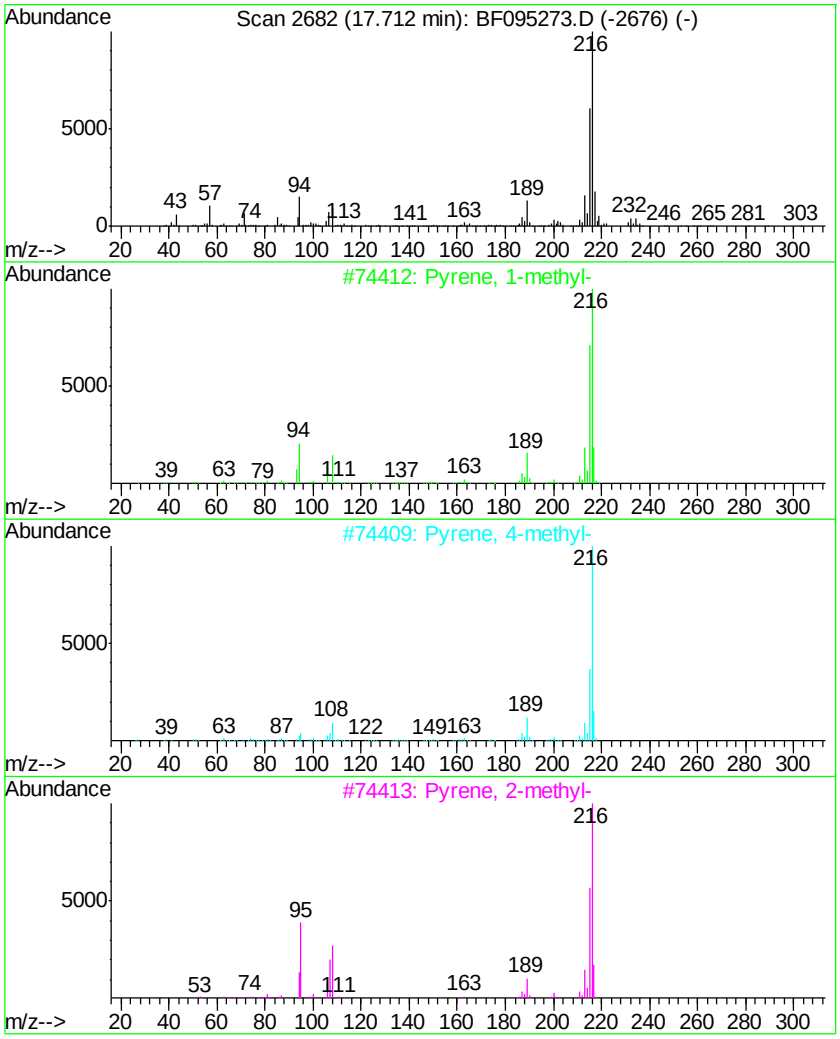
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

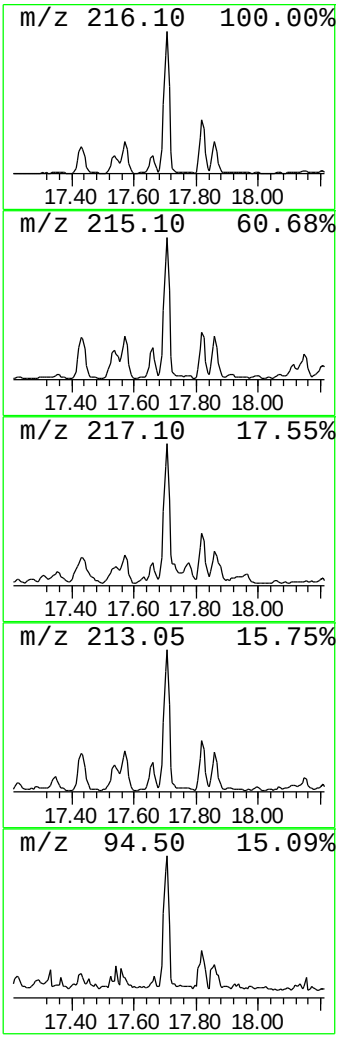
****

Peak Number 20 Pyrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.71	63.00 ng	2907140	Chrysene-d12	18.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	95
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051917\
Data File : BF095273.D
Acq On : 19 May 2017 20:34
Operator : SJ/MA
Sample : I3203-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-CONCRETE-BATCH-10

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.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...	5.10	91.7	ng	2130920	1	7.77	465026	20.0
unknown7.44	7.44	28.7	ng	666775	1	7.77	465026	20.0
Tridecane	10.85	36.2	ng	1771530	2	9.78	979933	20.0
Tetradecane	14.24	38.6	ng	2934650	4	15.02	1520100	20.0
Pentadecane, 2,6,...	14.26	22.3	ng	1693900	4	15.02	1520100	20.0
Hexadecane	14.97	36.5	ng	2773130	4	15.02	1520100	20.0
Dibenzothiophene,...	15.55	24.8	ng	1884380	4	15.02	1520100	20.0
Nonadecane	15.63	31.7	ng	2410050	4	15.02	1520100	20.0
Phenanthrene, 2-m...	15.82	67.5	ng	5133120	4	15.02	1520100	20.0
Anthracene, 2-met...	15.87	76.3	ng	5799050	4	15.02	1520100	20.0
Phenanthrene, 1-m...	16.00	24.5	ng	1863580	4	15.02	1520100	20.0
Dodecane, 2-methy...	16.22	40.5	ng	3074400	4	15.02	1520100	20.0
Phenanthrene, 3,6...	16.46	34.1	ng	2589910	4	15.02	1520100	20.0
Phenanthrene, 1,7...	16.51	46.6	ng	3542430	4	15.02	1520100	20.0
Phenanthrene, 2,5...	16.61	39.2	ng	2977950	4	15.02	1520100	20.0
Heneicosane	16.76	23.6	ng	1793780	4	15.02	1520100	20.0
Phenanthrene, 2,3...	17.23	22.9	ng	1057790	5	18.69	922852	20.0
Pyrene, 1-methyl-	17.71	63.0	ng	2907140	5	18.69	922852	20.0