LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060617\
Data File : BF095730.D
Acq On : 7 Jun 2017 2:23
Operator : SJ/MA
Sample : I3482-10 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-060517-D

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	4.569	503	507	519	rBV	19934	42084	4.44%	0.238%
2	5.275	623	627	652	rBV	251879	560699	59.13%	3.166%
3	6.939	906	910	923	rBV	264139	533595	56.27%	3.013%
4	7.039	923	927	939	rVB	434602	684270	72.16%	3.864%
5	7.380	981	985	997	rBV	325749	411561	43.40%	2.324%
6	7.616	1021	1025	1036	rBV	371429	487548	51.41%	2.753%
7	8.292	1137	1140	1156	rBV	220338	329516	34.75%	1.861%
8	9.410	1326	1330	1345	rBV	395386	542655	57.22%	3.064%
9	10.580	1525	1529	1537	rVB	27546	35694	3.76%	0.202%
10	10.733	1549	1555	1562	rBV	27361	39082	4.12%	0.221%
11	11.192	1628	1633	1646	rVB	605260	672957	70.96%	3.800%
12	11.715	1716	1722	1726	rBV	47077	62285	6.57%	0.352%
13	11.757	1726	1729	1735	rVB3	28572	39738	4.19%	0.224%
14	11.892	1747	1752	1760	rBV2	53574	89313	9.42%	0.504%
15	12.010	1768	1772	1781	rVV	57435	89596	9.45%	0.506%
16	12.233	1805	1810	1816	rBV2	401923	514762	54.28%	2.907%
17	12.286	1816	1819	1827	rVB2	48374	66245	6.99%	0.374%
18	12.610	1871	1874	1879	rVB	23214	29934	3.16%	0.169%
19	12.668	1879	1884	1889	rBV	31047	42711	4.50%	0.241%
20	12.786	1895	1904	1908	rBV	35906	59277	6.25%	0.335%
21	12.927	1921	1928	1931	rBV2	15551	31096	3.28%	0.176%
22	13.092	1948	1956	1959	rBV5	28591	61953	6.53%	0.350%
23	13.127	1959	1962	1969	rVB	66422	93745	9.89%	0.529%
24	13.421	2005	2012	2020	rBV5	20331	59122	6.23%	0.334%
25	13.527	2026	2030	2039	rVV2	214358	310578	32.75%	1.754%
26	13.762	2066	2070	2075	rVB3	19825	27283	2.88%	0.154%
27	13.868	2084	2088	2098	rVB3	36490	77459	8.17%	0.437%
28	14.027	2109	2115	2119	rBV2	30698	61750	6.51%	0.349%
29	14.068	2119	2122	2127	rVB3	31461	41470	4.37%	0.234%
30	14.151	2132	2136	2143	rVB2	19987	32071	3.38%	0.181%
31	14.256	2150	2154	2158	rBV5	20859	28019	2.95%	0.158%
32	14.462	2186	2189	2193	rVB	27245	34703	3.66%	0.196%
33	14.627	2213	2217	2220	rVV	361944	431549	45.51%	2.437%
34	14.662	2220	2223	2229	rVV	342139	430067	45.35%	2.429%

LSC Area Percent Report

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Misc :
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Instrument : BNA_F
ClientSampleId : CL-01-060517-D

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

35	14.751	2231	2238	2246	rVB	136648	186110	19.63%	1.051%
36	14.856	2250	2256	2259	rBV2	30401	55550	5.86%	0.314%
37	14.921	2264	2267	2270	rVV5	18076	26739	2.82%	0.151%
38	15.168	2306	2309	2312	rVB	42652	50369	5.31%	0.284%
39	15.298	2325	2331	2335	rVB2	27096	56026	5.91%	0.316%
40	15.433	2349	2354	2358	rBV	170515	194694	20.53%	1.099%
41	15.474	2358	2361	2367	rVB	190342	209240	22.06%	1.182%
42	15.545	2370	2373	2376	rBV	81858	89769	9.47%	0.507%
43	15.586	2376	2380	2383	rVV2	205809	278952	29.42%	1.575%
44	15.627	2384	2387	2399	rVB	143392	219609	23.16%	1.240%
45	15.786	2410	2414	2419	rBV2	31471	41974	4.43%	0.237%
46	15.886	2426	2431	2435	rBV3	70676	107735	11.36%	0.608%
47	16.098	2463	2467	2470	rVV2	46113	61894	6.53%	0.350%
48	16.145	2471	2475	2478	rVV	74377	90664	9.56%	0.512%
49	16.174	2478	2480	2484	rVB	45968	49533	5.22%	0.280%
50	16.245	2487	2492	2495	rBV	212155	267448	28.20%	1.510%
51	16.280	2495	2498	2503	rVV2	120662	185684	19.58%	1.049%
52	16.321	2503	2505	2508	rVB2	56789	50125	5.29%	0.283%
53	16.362	2508	2512	2516	rVB	122576	157599	16.62%	0.890%
54	16.445	2520	2526	2532	rBV	616576	721677	76.10%	4.075%
55	16.492	2532	2534	2539	rVB3	46704	59543	6.28%	0.336%
56	16.545	2539	2543	2546	rBV3	76659	95704	10.09%	0.540%
57	16.580	2546	2549	2553	rVB	44437	43230	4.56%	0.244%
58	16.639	2556	2559	2564	rBV2	37116	52568	5.54%	0.297%
59	16.686	2564	2567	2571	rVB3	26220	35052	3.70%	0.198%
60	16.750	2571	2578	2582	rBV	812243	948312	100.00%	5.355%
61	16.827	2588	2591	2595	rBV3	51777	68865	7.26%	0.389%
62	16.874	2595	2599	2603	rVB	69459	92203	9.72%	0.521%
63	16.945	2608	2611	2614	rBV3	55770	71605	7.55%	0.404%
64	16.997	2616	2620	2628	rVB	471711	569007	60.00%	3.213%
65	17.074	2629	2633	2636	rBV	95629	131773	13.90%	0.744%
66	17.180	2645	2651	2654	rVV4	98644	202908	21.40%	1.146%
67	17.215	2654	2657	2663	rVB	188775	244486	25.78%	1.381%
68	17.303	2668	2672	2676	rVB2	136929	142404	15.02%	0.804%
69	17.350	2676	2680	2687	rBV2	163442	255860	26.98%	1.445%
70	17.462	2696	2699	2703	rVB2	165348	162003	17.08%	0.915%
71	17.503	2703	2706	2709	rBV	120318	114203	12.04%	0.645%

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Operator : SJ/MA
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Misc :
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Instrument : BNA_F
ClientSampleId : CL-01-060517-D

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
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Start Thrs: 0.2 Max Peaks: 100
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
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72	17.650	2727	2731	2735	rBV3	26743	39801	4.20%	0.225%
73	17.721	2739	2743	2744	rBV2	33999	40292	4.25%	0.228%
74	17.762	2748	2750	2752	rBV2	26108	29282	3.09%	0.165%
75	17.862	2763	2767	2771	rBV3	67240	117095	12.35%	0.661%
76	17.903	2771	2774	2778	rVV	67226	86904	9.16%	0.491%
77	17.968	2782	2785	2788	rVV	33656	34094	3.60%	0.193%
78	18.015	2790	2793	2796	rVV2	94814	132215	13.94%	0.747%
79	18.050	2796	2799	2802	rVV2	102238	124359	13.11%	0.702%
80	18.080	2802	2804	2807	rVV	47455	50920	5.37%	0.288%
81	18.121	2808	2811	2814	rVB3	49474	58577	6.18%	0.331%
82	18.274	2835	2837	2842	rVV6	40747	60948	6.43%	0.344%
83	18.339	2843	2848	2852	rVV2	533222	875038	92.27%	4.941%
84	18.380	2852	2855	2861	rVB	336802	410885	43.33%	2.320%
85	18.468	2867	2870	2875	rVB3	77431	89252	9.41%	0.504%
86	18.568	2882	2887	2894	rBV5	35663	82635	8.71%	0.467%
87	18.803	2924	2927	2930	rBV2	42023	49970	5.27%	0.282%
88	18.850	2930	2935	2939	rVV	158314	203810	21.49%	1.151%
89	18.891	2939	2942	2946	rVB	88421	91070	9.60%	0.514%
90	18.933	2947	2949	2952	rBV2	32126	41928	4.42%	0.237%
91	18.962	2952	2954	2958	rVB3	69242	71262	7.51%	0.402%
92	19.003	2958	2961	2968	rBV4	64025	141795	14.95%	0.801%
93	19.062	2969	2971	2974	rVB3	37259	32699	3.45%	0.185%
94	19.609	3060	3064	3067	rBV	240579	322754	34.03%	1.823%
95	19.721	3081	3083	3087	rVB2	65752	66493	7.01%	0.375%
96	19.903	3110	3114	3120	rBV	158864	194028	20.46%	1.096%
97	19.956	3120	3123	3127	rBV	222561	267020	28.16%	1.508%
98	20.015	3129	3133	3136	rBV	247263	277543	29.27%	1.567%
99	21.197	3330	3334	3342	rVB	86902	138519	14.61%	0.782%
100	21.532	3387	3391	3396	rVB	76055	131409	13.86%	0.742%

Sum of corrected areas: 17708101

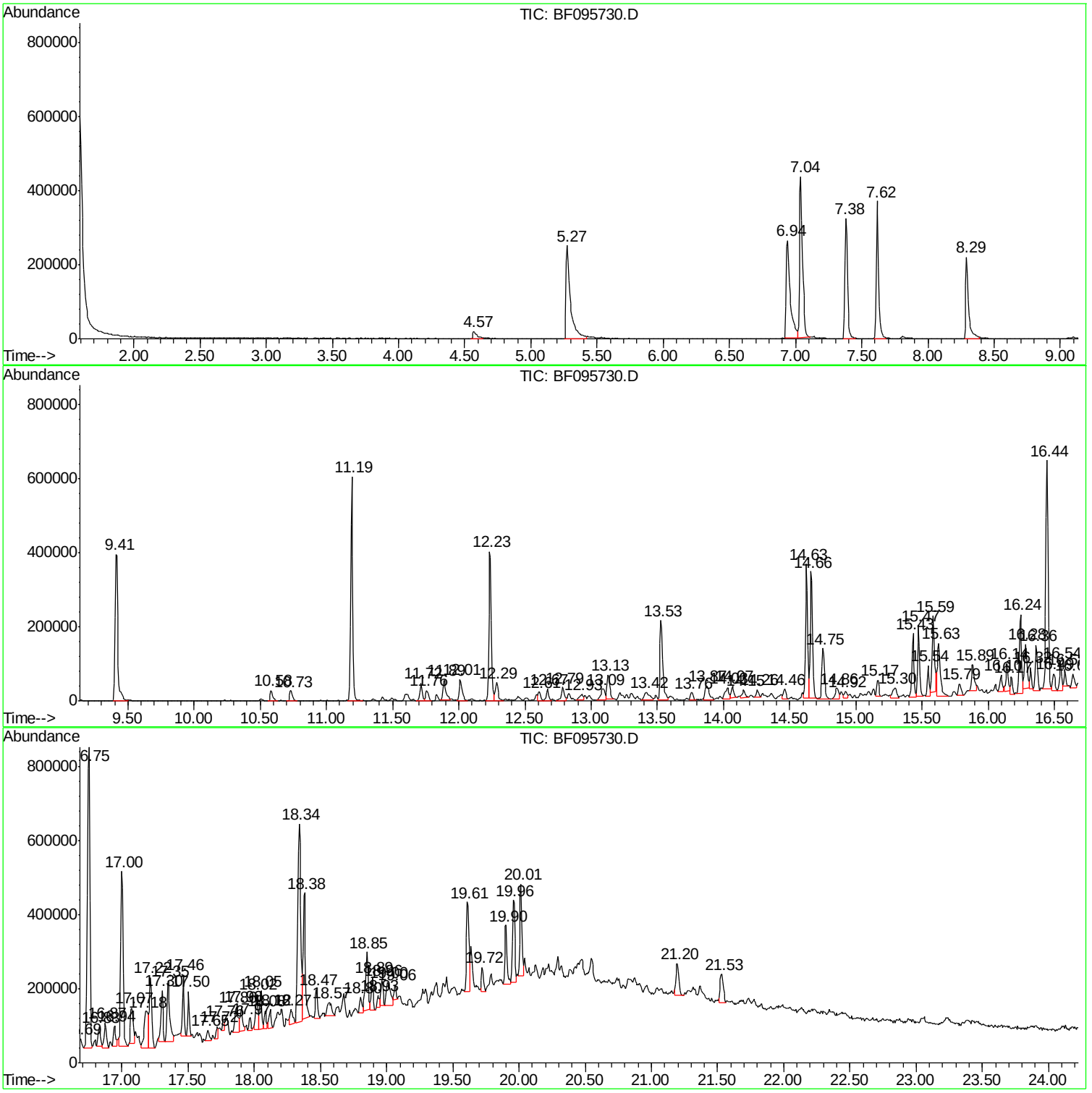
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060617\
Data File : BF095730.D
Acq On : 7 Jun 2017 2:23
Operator : SJ/MA
Sample : I3482-10 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-060517-D

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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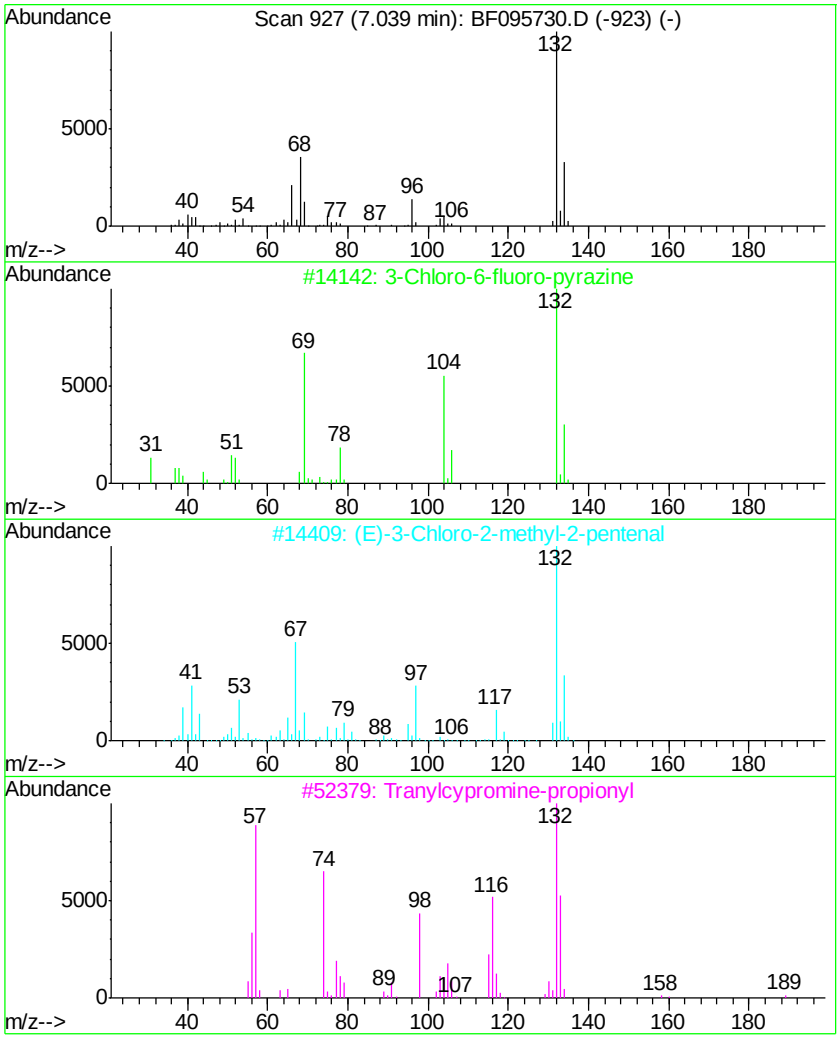
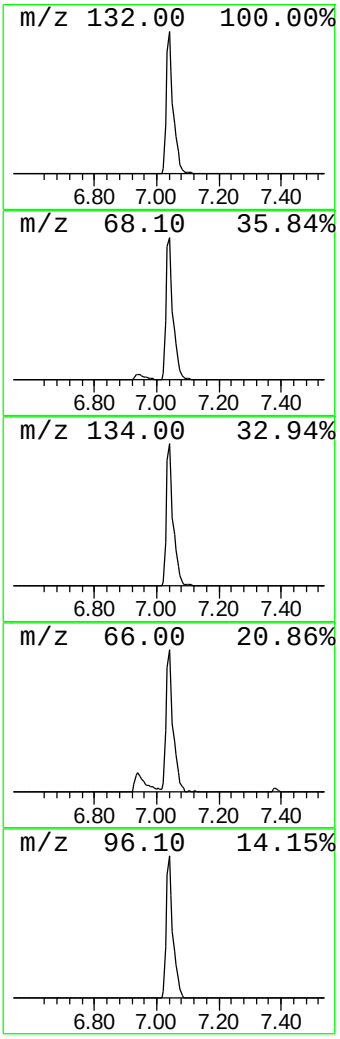
****

Peak Number 1 unknown7.04 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.04	33.25 ng	684270	1,4-Dichlorobenzene-d4	7.38

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	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	10
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





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ClientSampleId : CL-01-060517-D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060517.M
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TIC Library : C:\DATABASE\NIST11.L
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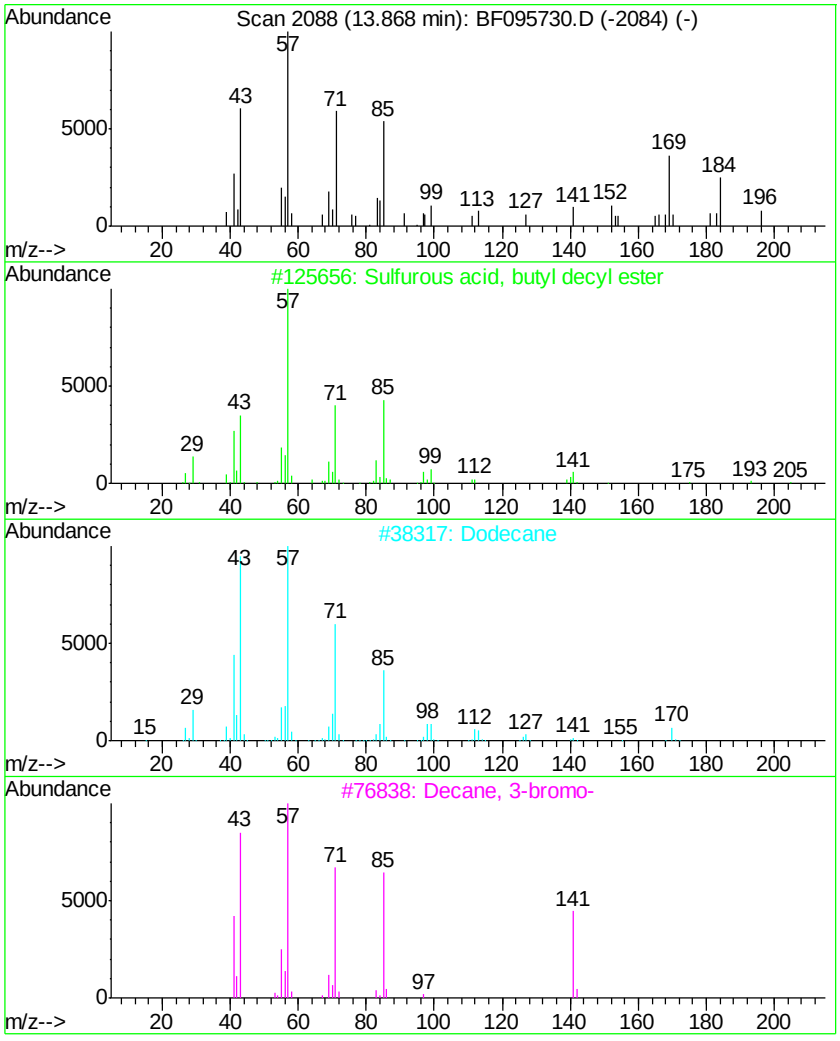
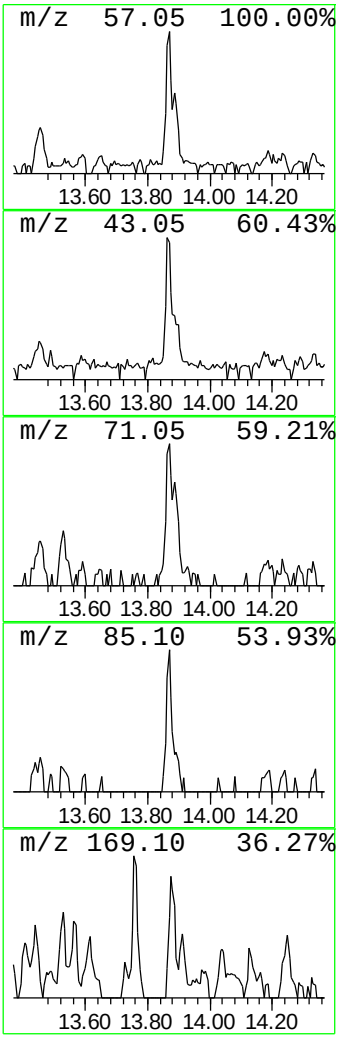
****

Peak Number 3 Sulfurous acid, butyl decyl... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.87	3.59 ng	77459	Phenanthrene-d10	14.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, butyl decyl ester	278	C14H30O3S	1000309-17-7	50
2	Dodecane	170	C12H26	000112-40-3	49
3	Decane, 3-bromo-	220	C10H21Br	030571-71-2	46
4	Tetratetracontane	619	C44H90	007098-22-8	43
5	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	43





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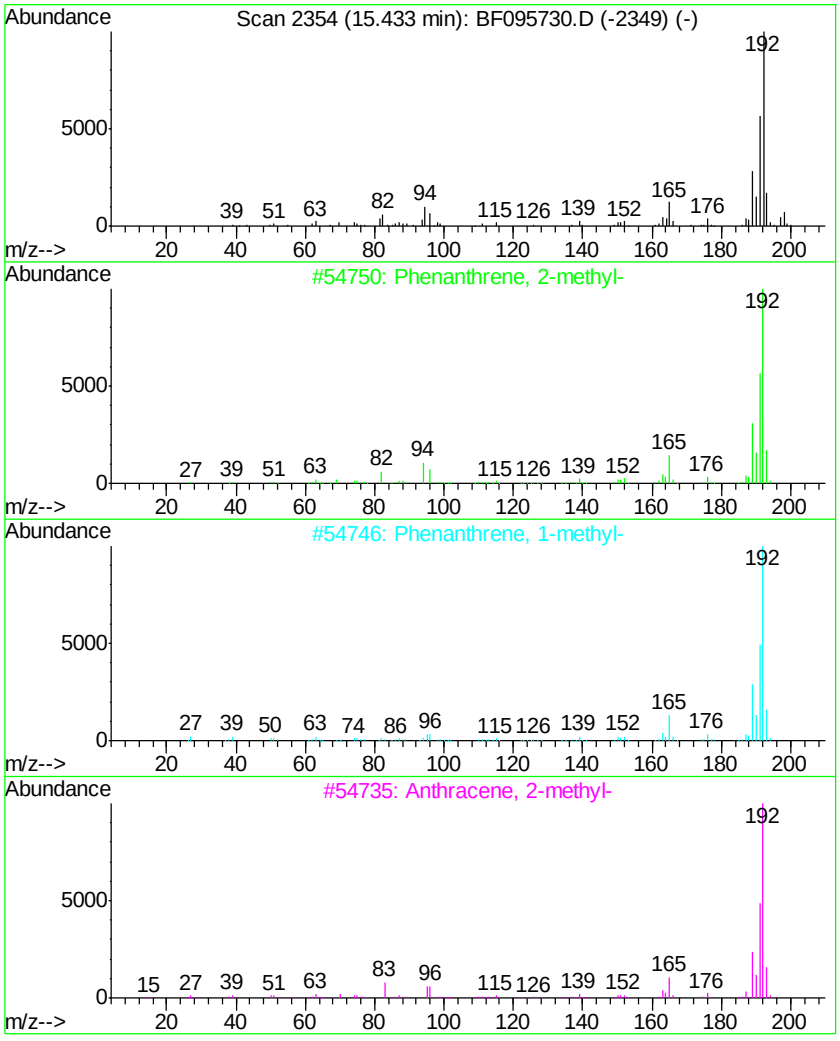
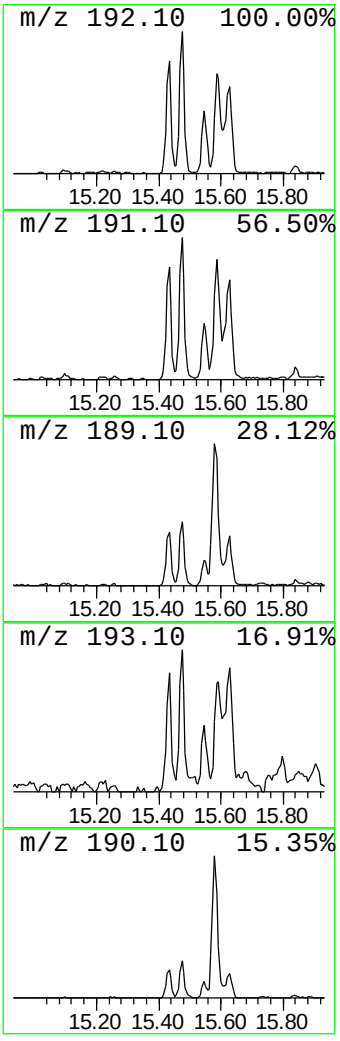
Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.43	9.02 ng	194694	Phenanthrene-d10	14.63

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	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94





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

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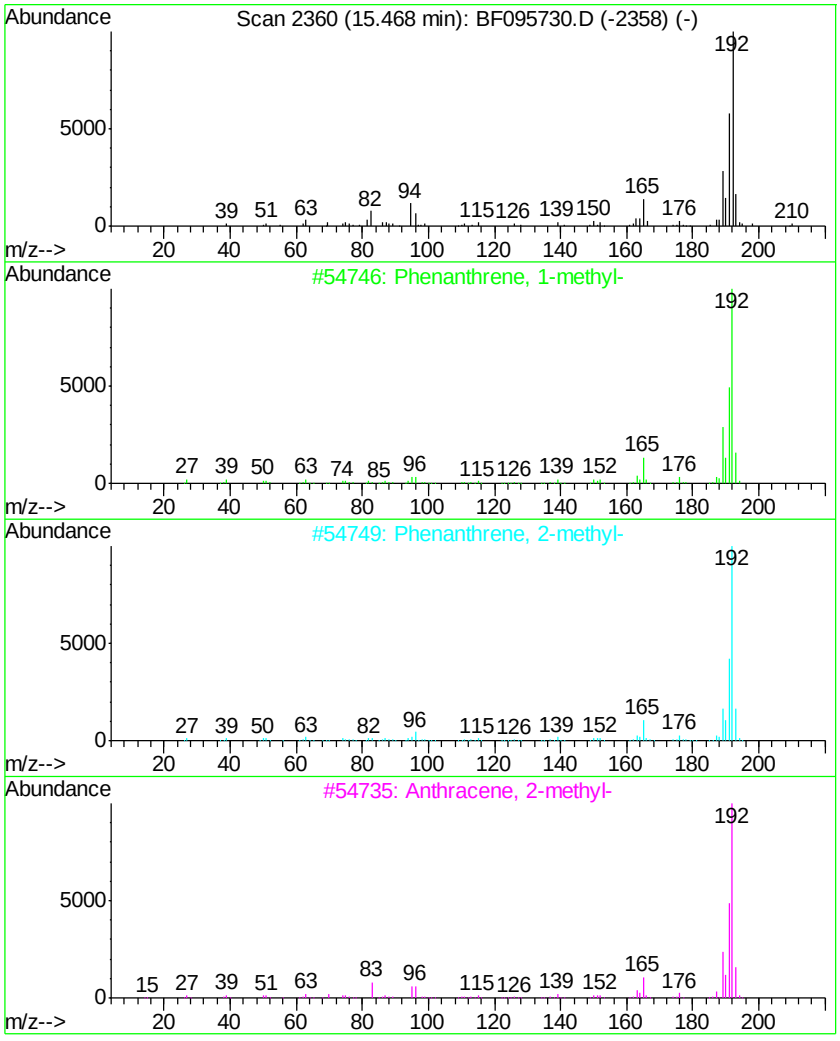
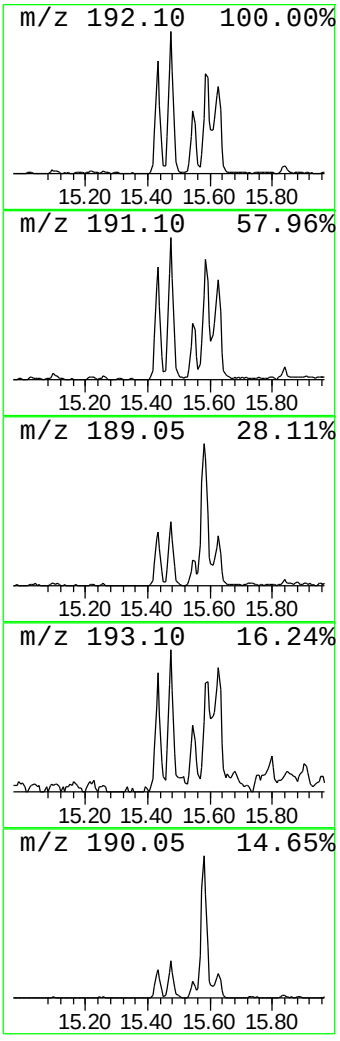
Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.47	9.70 ng	209240	Phenanthrene-d10	14.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





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Sample : I3482-10 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-060517-D

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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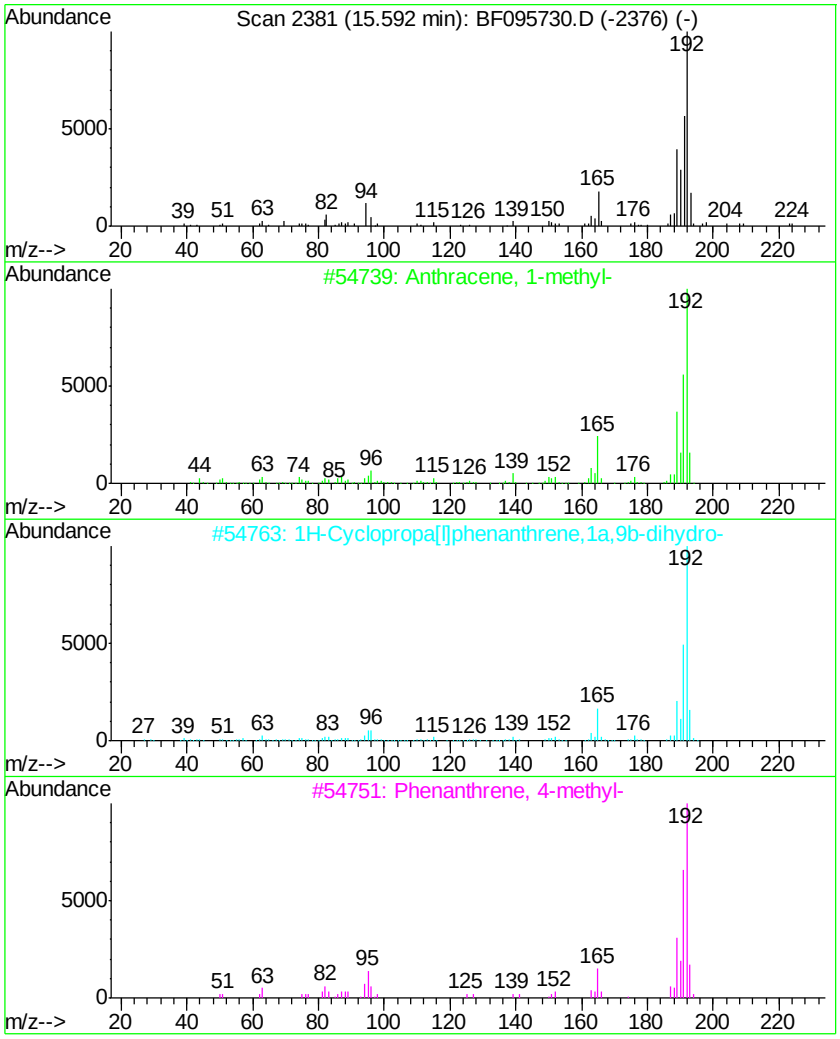
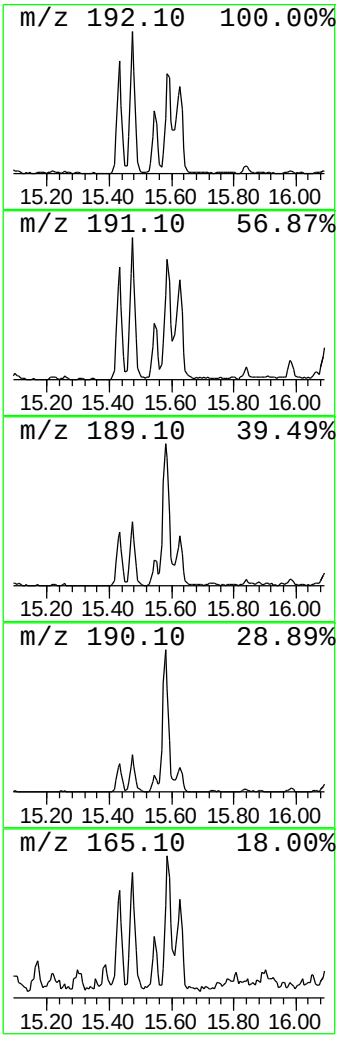
Peak Number 7 Anthracene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.59	12.93 ng	278952	Phenanthrene-d10	14.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	64
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	50
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	50
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	50
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	50





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Data File : BF095730.D
Acq On : 7 Jun 2017 2:23
Operator : SJ/MA
Sample : I3482-10 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-060517-D

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

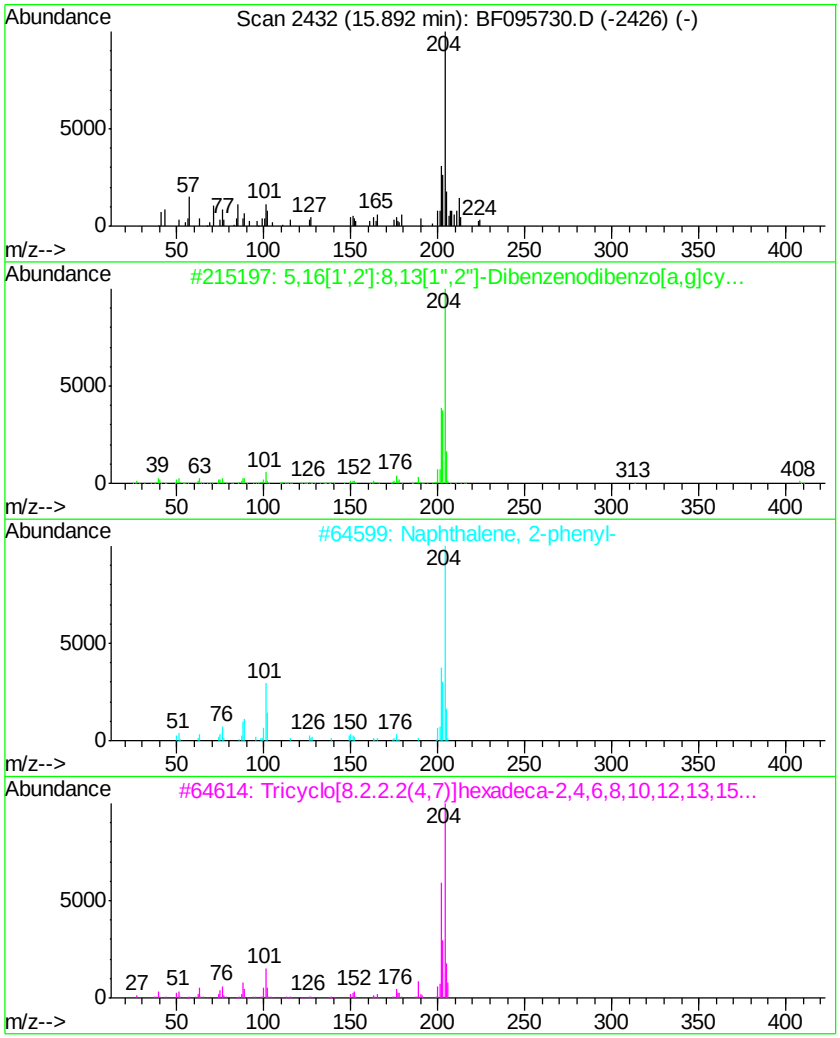
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

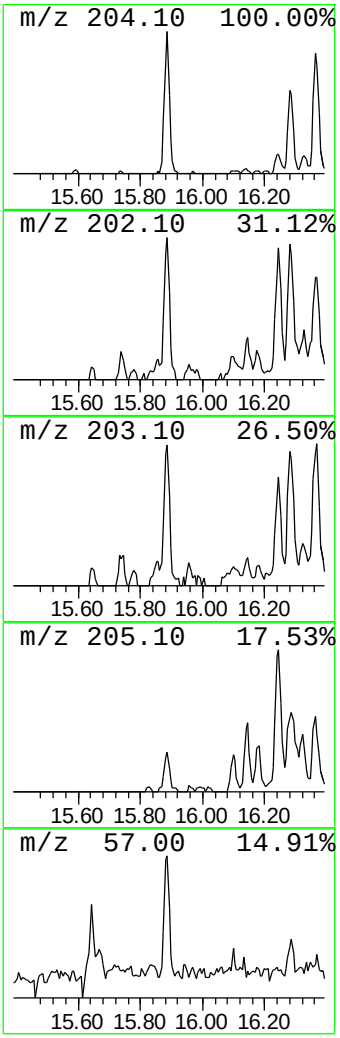
****

Peak Number 9 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.89	4.99 ng	107735	Phenanthrene-d10	14.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	80
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	68
4	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	64
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58





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Acq On : 7 Jun 2017 2:23
Operator : SJ/MA
Sample : I3482-10 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-060517-D

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

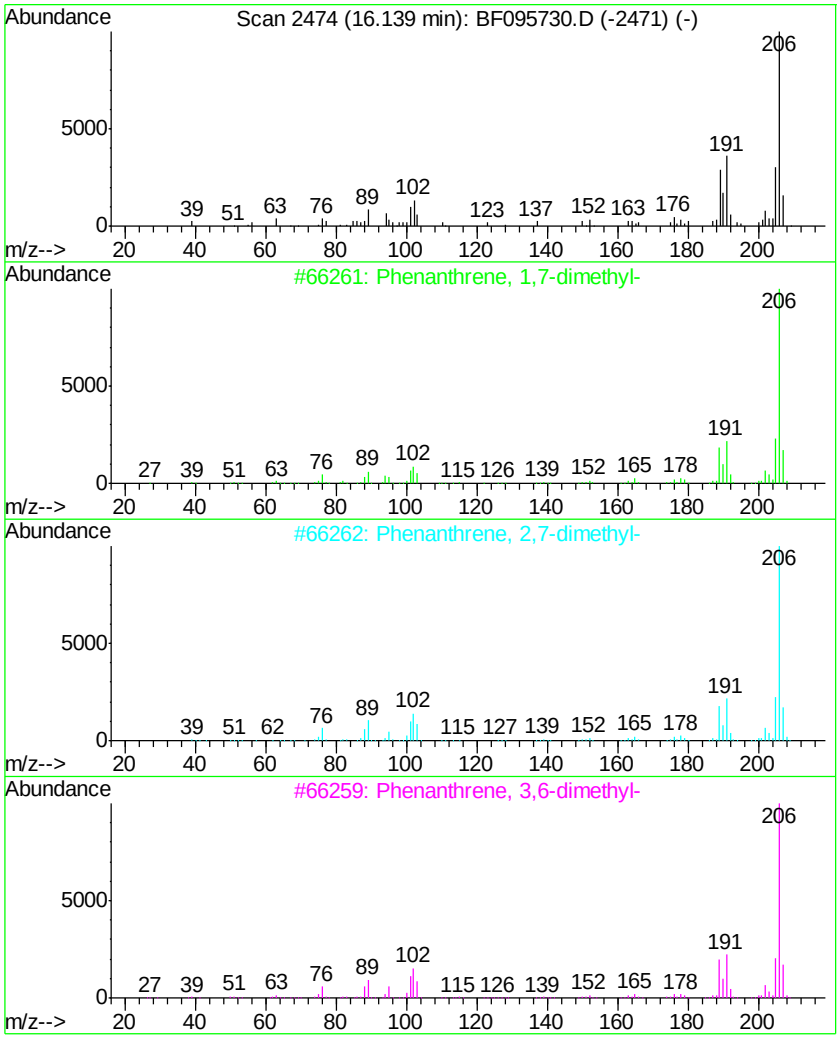
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

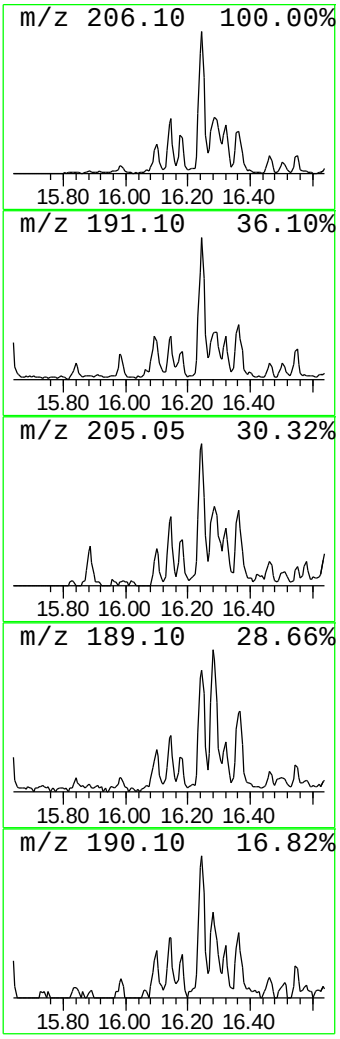
****

Peak Number 10 Phenanthrene, 1,7-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.14	4.20 ng	90664	Phenanthrene-d10	14.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	96
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	94
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	81





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Acq On : 7 Jun 2017 2:23
Operator : SJ/MA
Sample : I3482-10 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-060517-D

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

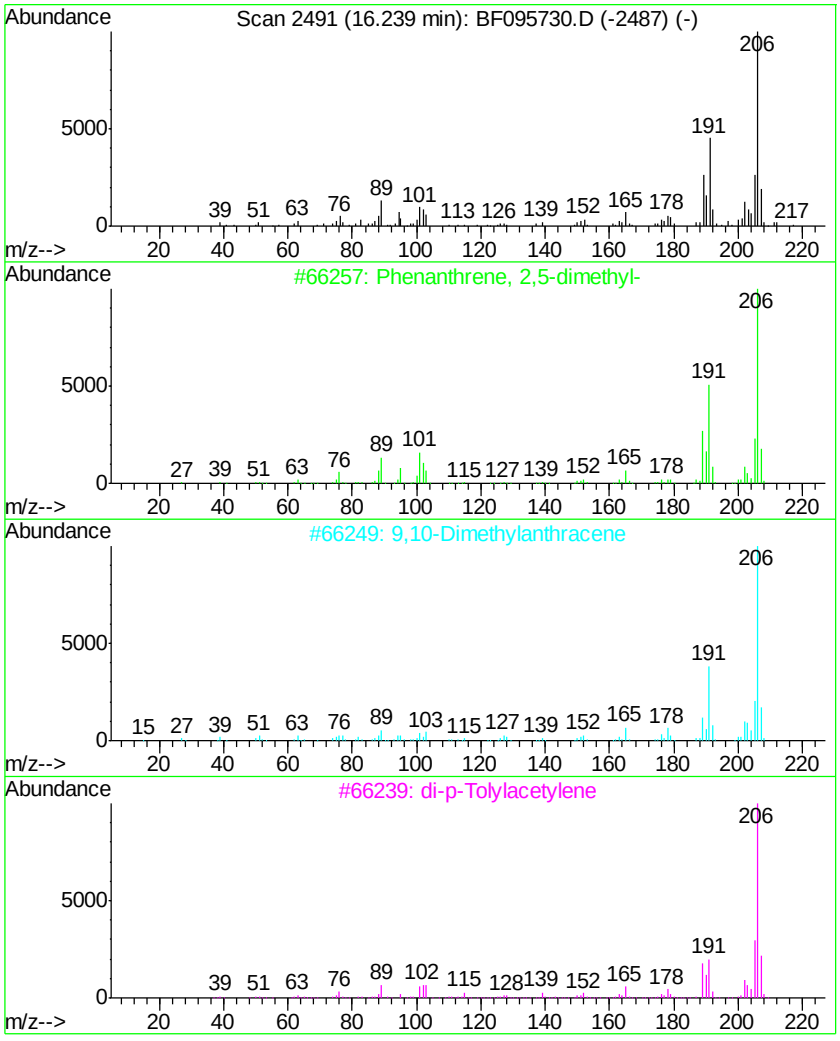
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

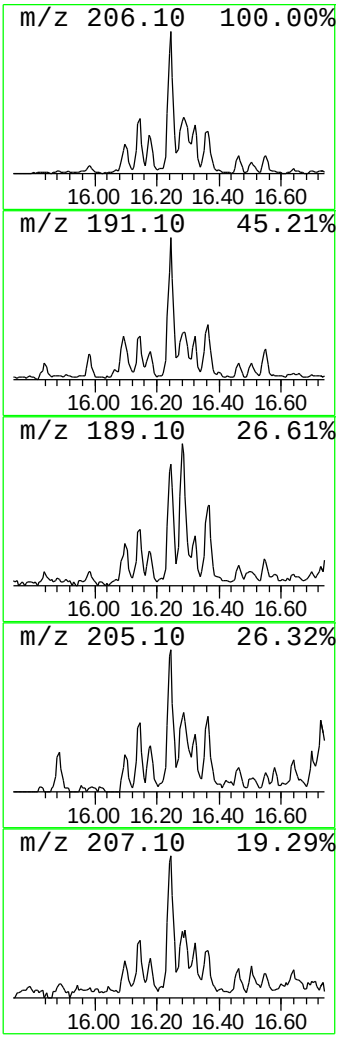
****

Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.24	12.39 ng	267448	Phenanthrene-d10	14.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	96
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	95
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	94





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Acq On : 7 Jun 2017 2:23
Operator : SJ/MA
Sample : I3482-10 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-060517-D

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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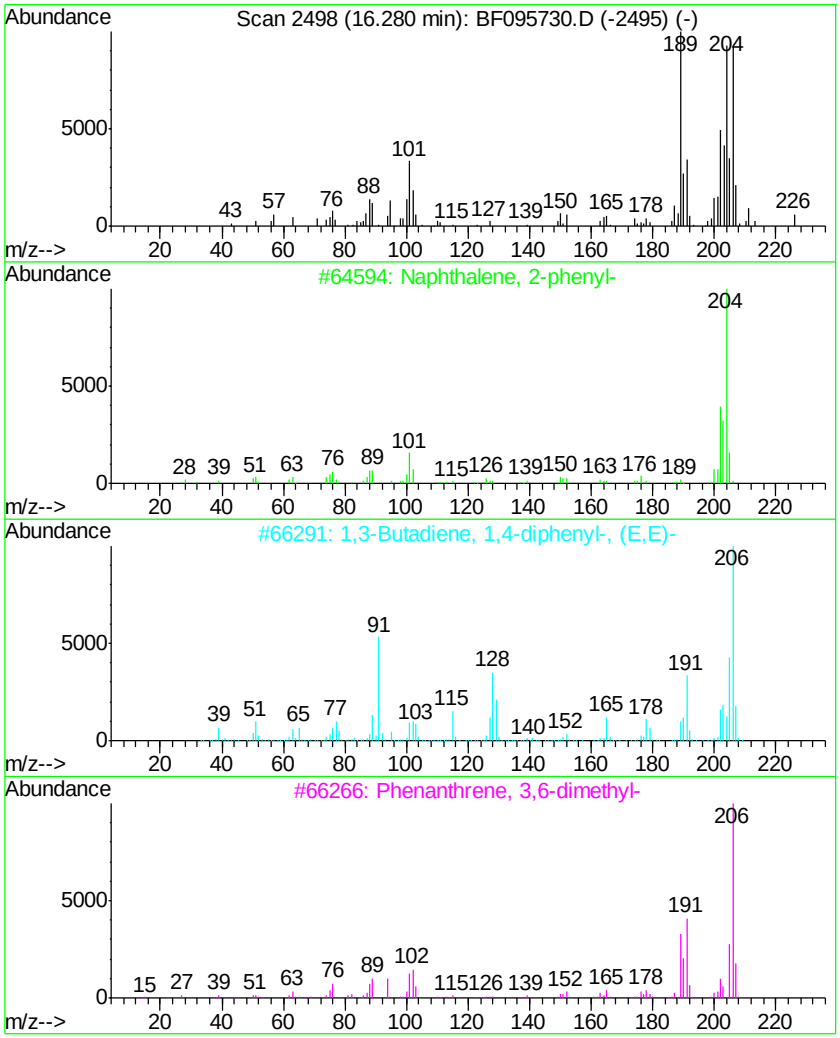
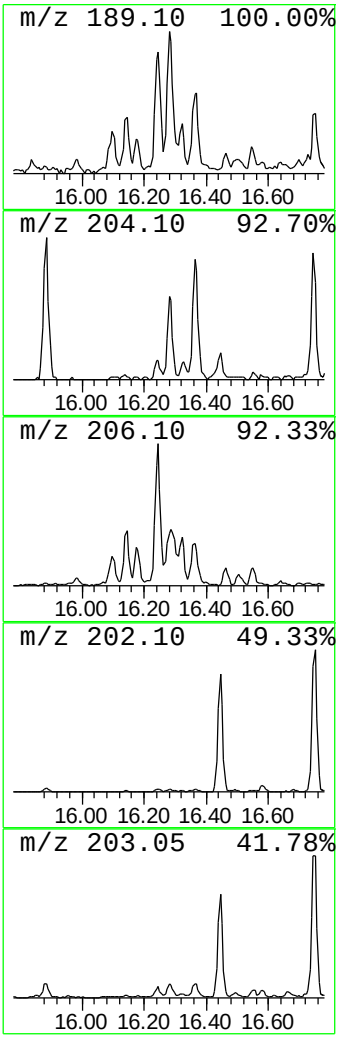
Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.28	8.61 ng	185684	Phenanthrene-d10	14.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	52
2	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	30
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	30
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	30
5	2,5,5,8a-Tetramethyl-6,7,8,8a-te...	204	C14H20O	124957-09-1	27





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Data File : BF095730.D
Acq On : 7 Jun 2017 2:23
Operator : SJ/MA
Sample : I3482-10 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-060517-D

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

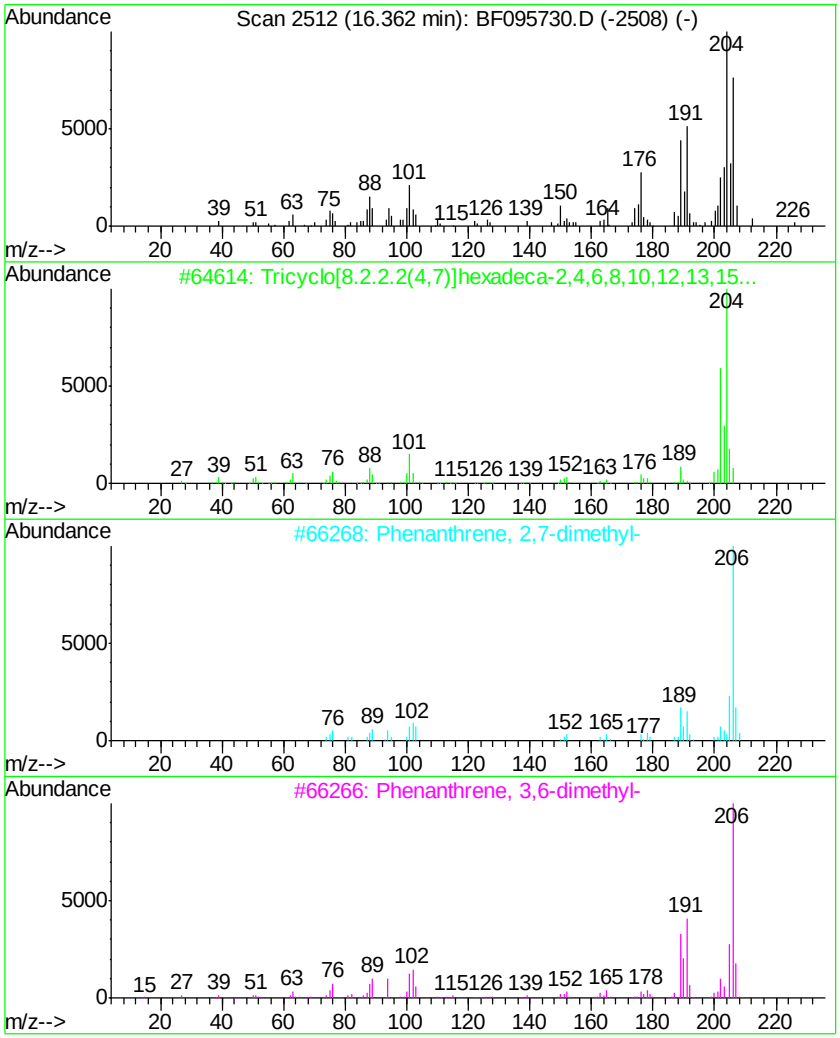
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

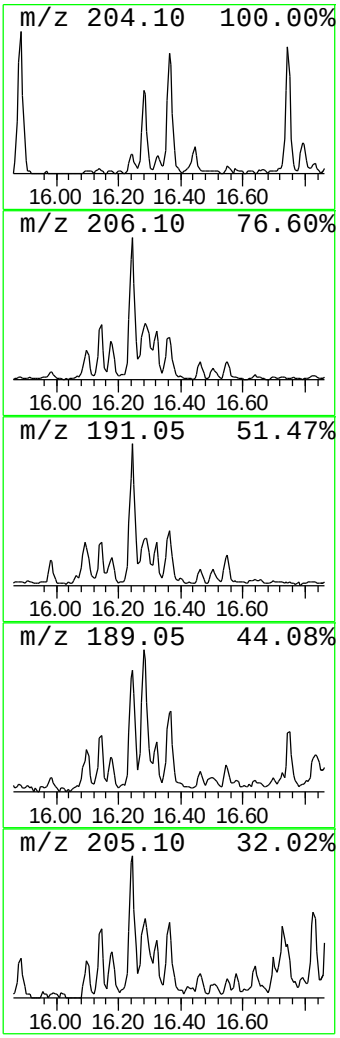
****

Peak Number 13 Tricyclo[8.2.2.2(4,7)]hexad... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.36	7.30 ng	157599	Phenanthrene-d10	14.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	80
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	50
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	42
4	Benzene, (2-methylene-1-phenylcy...	206	C16H14	025152-47-0	41
5	Phenanthrene, 9-ethyl-	206	C16H14	003674-75-7	41





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Acq On : 7 Jun 2017 2:23
Operator : SJ/MA
Sample : I3482-10 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-060517-D

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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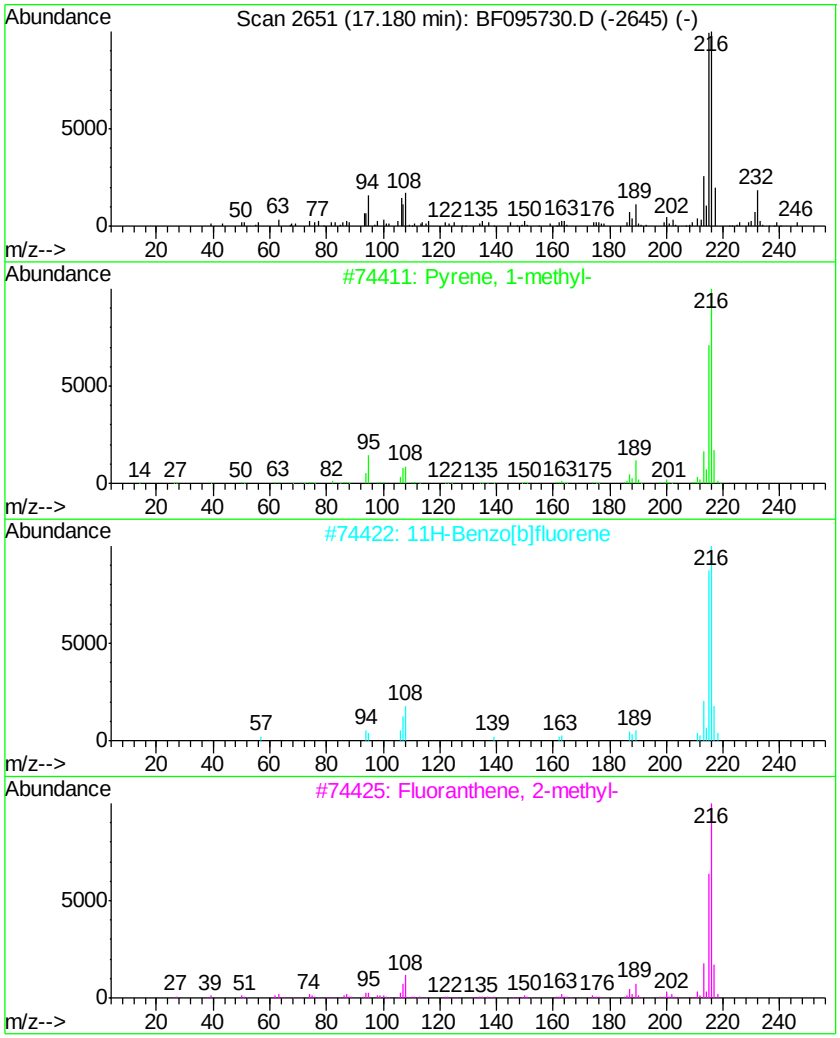
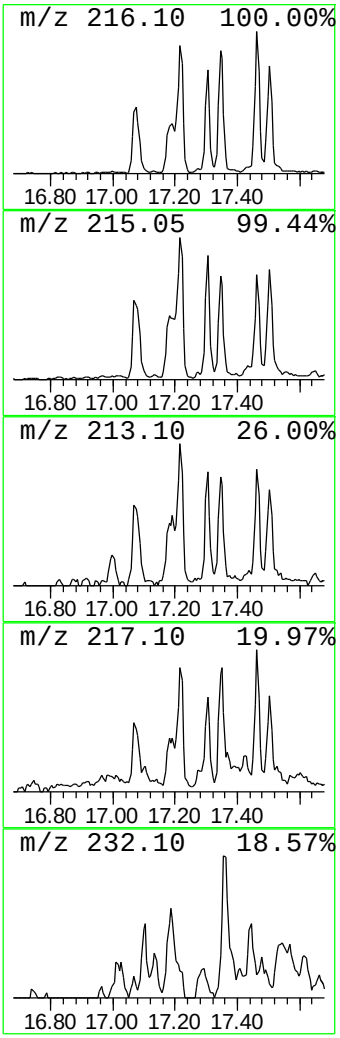
Peak Number 14 Pyrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.18	4.64 ng	202908	Chrysene-d12	18.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	92
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	72





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Data File : BF095730.D
Acq On : 7 Jun 2017 2:23
Operator : SJ/MA
Sample : I3482-10 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-060517-D

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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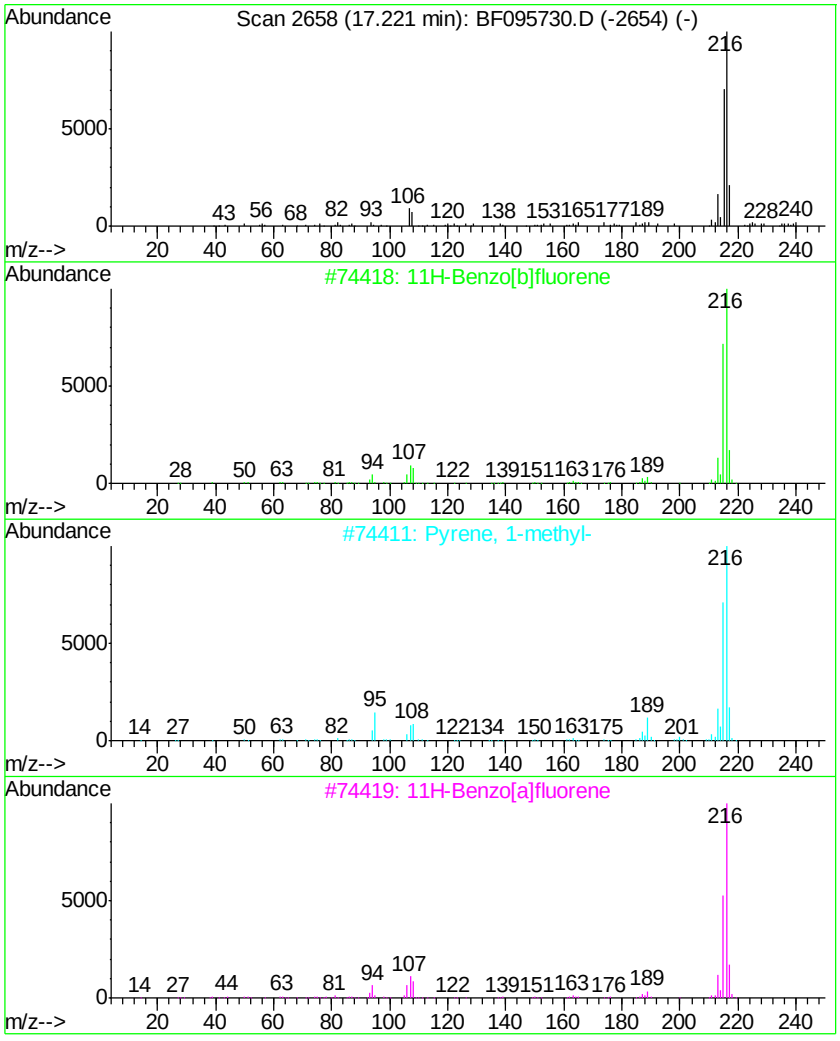
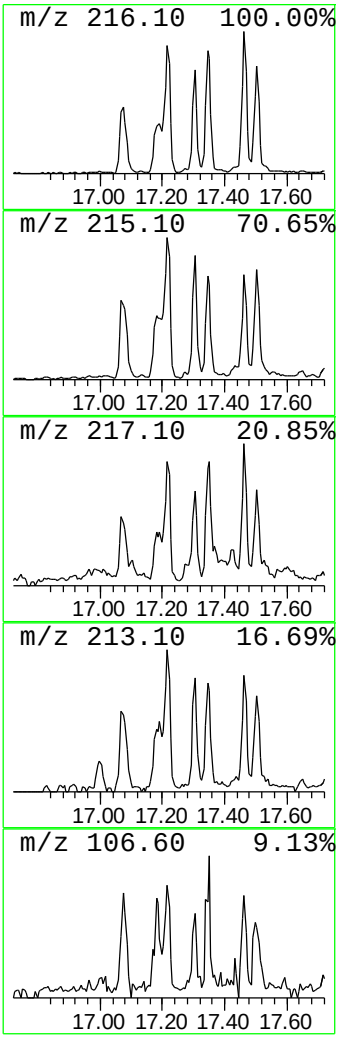
Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.22	5.59 ng	244486	Chrysene-d12	18.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060617\
Data File : BF095730.D
Acq On : 7 Jun 2017 2:23
Operator : SJ/MA
Sample : I3482-10 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-060517-D

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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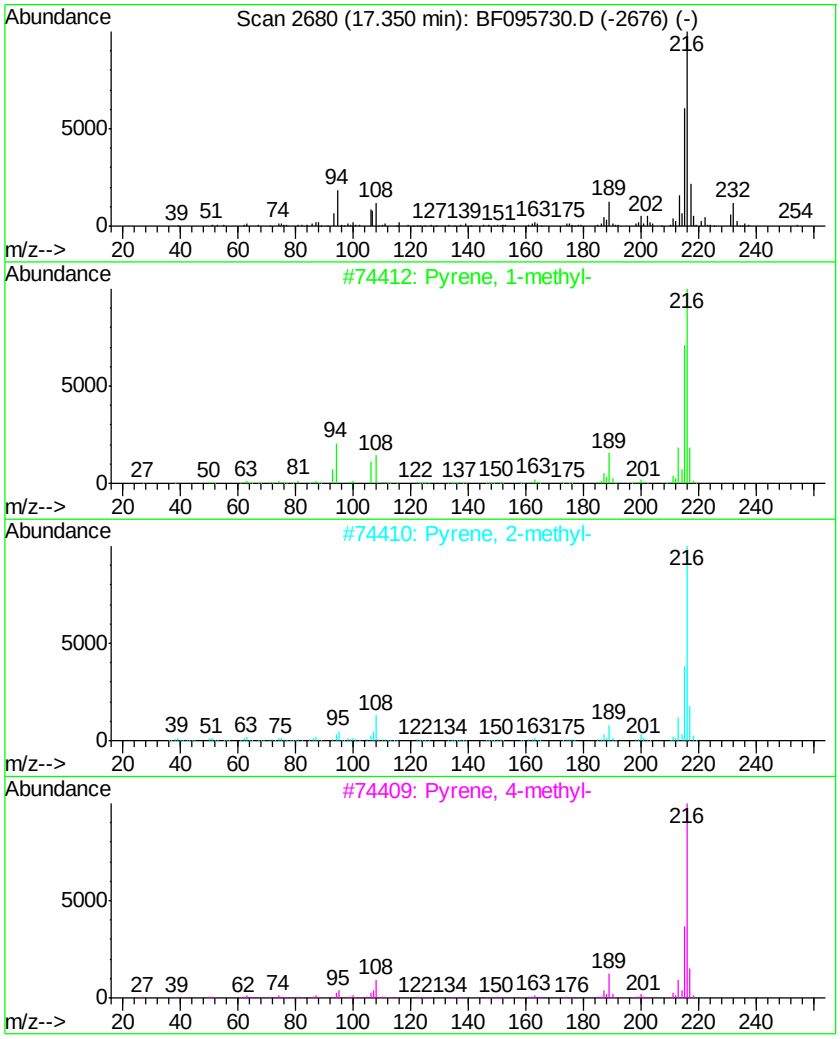
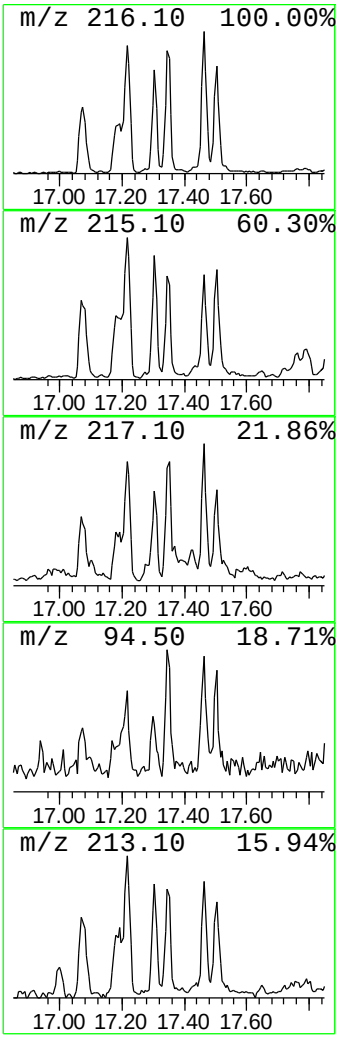
Peak Number 16 Pyrene, 4-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.35	5.85 ng	255860	Chrysene-d12	18.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	92
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060617\
Data File : BF095730.D
Acq On : 7 Jun 2017 2:23
Operator : SJ/MA
Sample : I3482-10 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-060517-D

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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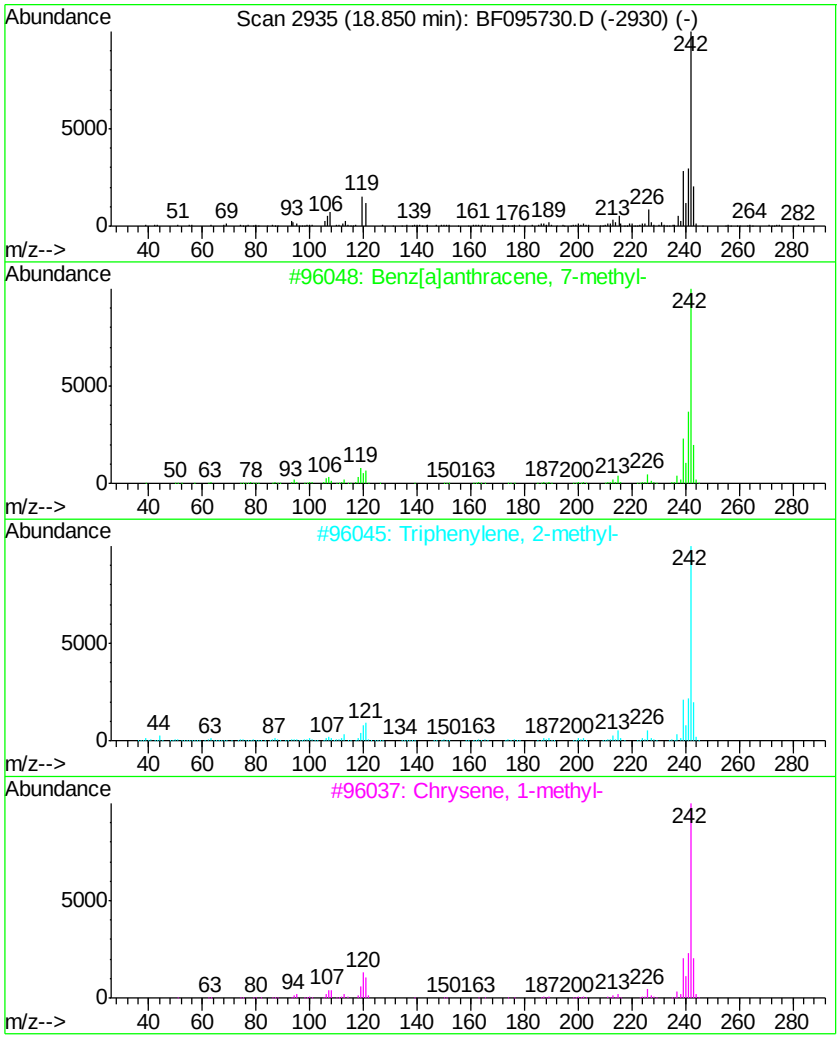
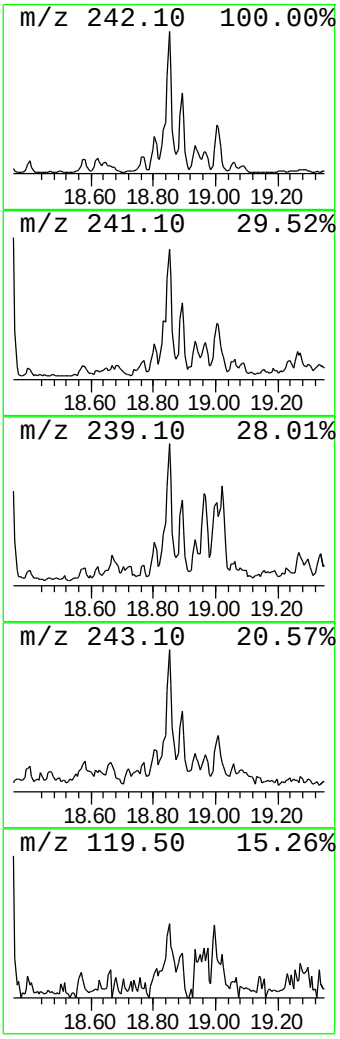
Peak Number 18 Benz[a]anthracene, 7-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.85	4.66 ng	203810	Chrysene-d12	18.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	93
2	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93
3	Chrysene, 1-methyl-	242	C19H14	003351-28-8	91
4	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	90
5	1H-Benz[f]indene, 2-phenyl-	242	C19H14	1000305-22-4	89





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060617\
Data File : BF095730.D
Acq On : 7 Jun 2017 2:23
Operator : SJ/MA
Sample : I3482-10 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-060517-D

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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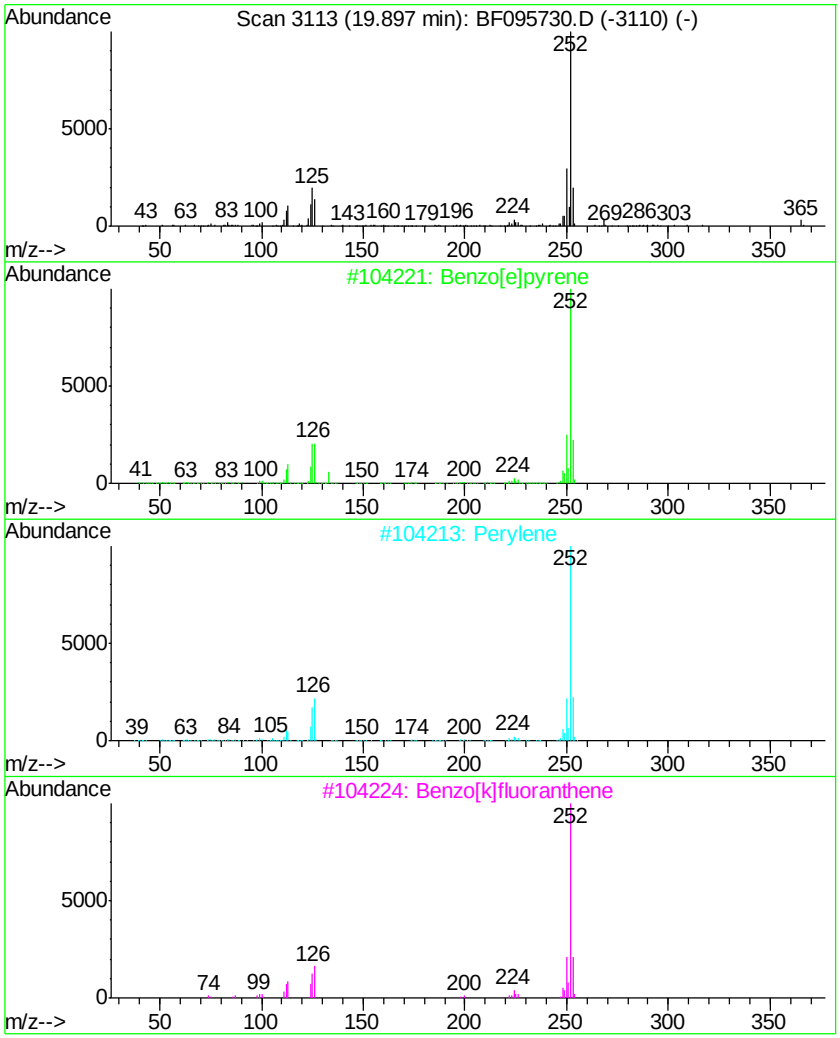
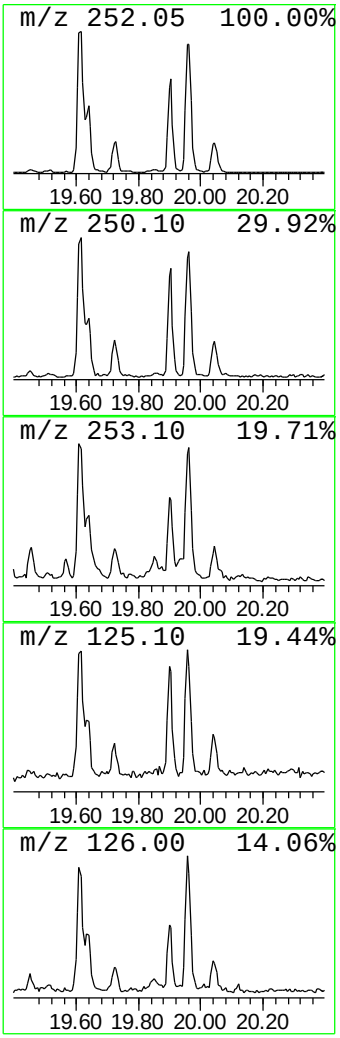
Peak Number 20 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.90	13.98 ng	194028	Perylene-d12	20.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Perylene	252	C20H12	000198-55-0	92
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	86
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060617\
Data File : BF095730.D
Acq On : 7 Jun 2017 2:23
Operator : SJ/MA
Sample : I3482-10 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-060517-D

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
unknown7.04	7.04	33.3	ng	684270	1	7.38	411561	20.0
Sulfurous acid, b...	13.87	3.6	ng	77459	4	14.63	431549	20.0
Phenanthrene, 2-m...	15.43	9.0	ng	194694	4	14.63	431549	20.0
Phenanthrene, 1-m...	15.47	9.7	ng	209240	4	14.63	431549	20.0
Anthracene, 1-met...	15.59	12.9	ng	278952	4	14.63	431549	20.0
5,16[1',2']:8,13[...	15.89	5.0	ng	107735	4	14.63	431549	20.0
Phenanthrene, 1,7...	16.14	4.2	ng	90664	4	14.63	431549	20.0
Phenanthrene, 2,5...	16.24	12.4	ng	267448	4	14.63	431549	20.0
Naphthalene, 2-ph...	16.28	8.6	ng	185684	4	14.63	431549	20.0
Tricyclo[8.2.2.2(...	16.36	7.3	ng	157599	4	14.63	431549	20.0
Pyrene, 1-methyl-	17.18	4.6	ng	202908	5	18.34	875038	20.0
11H-Benzo[b]fluorene	17.22	5.6	ng	244486	5	18.34	875038	20.0
Pyrene, 4-methyl-	17.35	5.8	ng	255860	5	18.34	875038	20.0
Benz[a]anthracene...	18.85	4.7	ng	203810	5	18.34	875038	20.0
Benzo[e]pyrene	19.90	14.0	ng	194028	6	20.01	277543	20.0