LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060617\
Data File : BF095726.D
Acq On : 7 Jun 2017 00:16
Operator : SJ/MA
Sample : I3482-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

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

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	4.587	506	510	529	rBV2	46688	126800	7.73%	0.518%
2	5.269	622	626	651	rBV	842606	1449482	88.33%	5.920%
3	6.940	905	910	922	rBV	939124	1406274	85.70%	5.743%
4	7.034	922	926	938	rVB	1133698	1633471	99.55%	6.671%
5	7.381	981	985	1000	rVB	343603	429972	26.20%	1.756%
6	7.616	1020	1025	1038	rBV	909261	1196893	72.94%	4.888%
7	8.298	1136	1141	1159	rBV	626859	873527	53.23%	3.568%
8	9.410	1326	1330	1343	rBV	446491	581130	35.41%	2.373%
9	10.586	1526	1530	1539	rVB	21707	30847	1.88%	0.126%
10	10.733	1550	1555	1563	rBV	21137	31545	1.92%	0.129%
11	11.192	1628	1633	1647	rVB	1389368	1640916	100.00%	6.702%
12	11.716	1717	1722	1726	rBV	38241	52438	3.20%	0.214%
13	11.757	1726	1729	1738	rVB3	25041	37750	2.30%	0.154%
14	11.886	1746	1751	1759	rBV	156005	199723	12.17%	0.816%
15	12.010	1768	1772	1780	rVB	64113	96371	5.87%	0.394%
16	12.233	1802	1810	1815	rBV2	453630	555081	33.83%	2.267%
17	12.280	1815	1818	1828	rVB3	48893	73438	4.48%	0.300%
18	12.604	1867	1873	1878	rVB2	24249	45346	2.76%	0.185%
19	12.669	1878	1884	1888	rBV2	34884	47099	2.87%	0.192%
20	12.780	1894	1903	1909	rBV3	37710	74480	4.54%	0.304%
21	12.927	1920	1928	1930	rBV3	16105	29218	1.78%	0.119%
22	13.092	1947	1956	1959	rBV3	52359	90719	5.53%	0.371%
23	13.127	1959	1962	1972	rVB	51470	87817	5.35%	0.359%
24	13.216	1972	1977	1979	rBV3	19219	27960	1.70%	0.114%
25	13.421	2005	2012	2020	rBV6	22271	67175	4.09%	0.274%
26	13.527	2025	2030	2039	rVV	561720	728204	44.38%	2.974%
27	13.757	2066	2069	2076	rVB3	22752	31069	1.89%	0.127%
28	13.869	2083	2088	2098	rBV3	60647	122367	7.46%	0.500%
29	14.027	2109	2115	2119	rBV4	33111	65970	4.02%	0.269%
30	14.069	2119	2122	2127	rVB2	32446	44436	2.71%	0.181%
31	14.151	2127	2136	2139	rBV5	21078	39041	2.38%	0.159%
32	14.257	2149	2154	2158	rBV3	20317	30445	1.86%	0.124%
33	14.463	2186	2189	2194	rVB	27186	35272	2.15%	0.144%
34	14.598	2208	2212	2213	rBV	32967	34777	2.12%	0.142%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060617\
Data File : BF095726.D
Acq On : 7 Jun 2017 00:16
Operator : SJ/MA
Sample : I3482-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

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

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	14.627	2213	2217	2220	rVV	365758	461653	28.13%	1.885%
36	14.663	2220	2223	2229	rVB	305539	367090	22.37%	1.499%
37	14.751	2234	2238	2244	rVB	110765	145420	8.86%	0.594%
38	14.857	2249	2256	2259	rBV2	36882	57669	3.51%	0.236%
39	15.039	2281	2287	2289	rBV4	16480	28522	1.74%	0.116%
40	15.127	2300	2302	2305	rVV2	24580	26030	1.59%	0.106%
41	15.163	2305	2308	2313	rVB	56691	62728	3.82%	0.256%
42	15.280	2323	2328	2331	rBV3	32883	57574	3.51%	0.235%
43	15.427	2349	2353	2357	rBV	168539	189918	11.57%	0.776%
44	15.474	2357	2361	2367	rVB	182514	222308	13.55%	0.908%
45	15.545	2370	2373	2376	rBV	86231	90626	5.52%	0.370%
46	15.586	2376	2380	2383	rVV2	199064	291281	17.75%	1.190%
47	15.621	2383	2386	2399	rVB	153970	284304	17.33%	1.161%
48	15.780	2410	2413	2417	rBV3	38525	46729	2.85%	0.191%
49	15.880	2426	2430	2435	rVV3	100353	163593	9.97%	0.668%
50	16.051	2456	2459	2463	rVB3	30875	35546	2.17%	0.145%
51	16.098	2463	2467	2469	rBV2	54014	69111	4.21%	0.282%
52	16.139	2471	2474	2478	rVV	80043	92247	5.62%	0.377%
53	16.174	2478	2480	2486	rVB	49638	50891	3.10%	0.208%
54	16.239	2487	2491	2495	rBV	229285	297079	18.10%	1.213%
55	16.280	2495	2498	2502	rVV4	129652	183391	11.18%	0.749%
56	16.321	2502	2505	2508	rVB2	64712	70017	4.27%	0.286%
57	16.362	2508	2512	2517	rVB	138508	174848	10.66%	0.714%
58	16.445	2519	2526	2531	rBV	519834	696406	42.44%	2.844%
59	16.492	2531	2534	2538	rVB2	57673	72006	4.39%	0.294%
60	16.545	2538	2543	2546	rBV2	91254	111198	6.78%	0.454%
61	16.580	2546	2549	2552	rBV	57192	59620	3.63%	0.243%
62	16.639	2556	2559	2563	rBV2	33473	57154	3.48%	0.233%
63	16.686	2563	2567	2571	rBV3	34051	41856	2.55%	0.171%
64	16.745	2572	2577	2583	rVB	793267	906164	55.22%	3.701%
65	16.821	2588	2590	2595	rVB3	58056	78783	4.80%	0.322%
66	16.874	2595	2599	2603	rBV	76174	90060	5.49%	0.368%
67	16.939	2607	2610	2615	rBV4	83283	101504	6.19%	0.415%
68	17.004	2615	2621	2628	rVB	948617	1164469	70.96%	4.756%
69	17.074	2628	2633	2636	rBV2	104988	165712	10.10%	0.677%
70	17.186	2647	2652	2654	rBV3	89139	164752	10.04%	0.673%
71	17.215	2654	2657	2663	rVB2	166027	229215	13.97%	0.936%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060617\
Data File : BF095726.D
Acq On : 7 Jun 2017 00:16
Operator : SJ/MA
Sample : I3482-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

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

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

72	17.304	2663	2672	2676	rBV2	116201	210093	12.80%	0.858%
73	17.345	2676	2679	2687	rBV2	183100	263349	16.05%	1.076%
74	17.409	2688	2690	2694	rVV2	40994	43183	2.63%	0.176%
75	17.462	2695	2699	2703	rVV	166293	179176	10.92%	0.732%
76	17.504	2703	2706	2709	rVV	126495	128444	7.83%	0.525%
77	17.645	2727	2730	2735	rBV5	26738	42685	2.60%	0.174%
78	17.721	2739	2743	2744	rBV3	35118	47107	2.87%	0.192%
79	17.857	2763	2766	2771	rBV2	90443	136561	8.32%	0.558%
80	17.898	2771	2773	2777	rVB	68040	78764	4.80%	0.322%
81	17.962	2782	2784	2787	rBV	34004	37425	2.28%	0.153%
82	18.015	2790	2793	2796	rVV2	86443	114699	6.99%	0.468%
83	18.045	2796	2798	2801	rVV2	113024	116646	7.11%	0.476%
84	18.080	2801	2804	2807	rVV	30918	30191	1.84%	0.123%
85	18.280	2829	2838	2843	rBV5	86250	215746	13.15%	0.881%
86	18.339	2843	2848	2852	rVV2	550277	900642	54.89%	3.678%
87	18.374	2852	2854	2861	rVB	336944	419010	25.54%	1.711%
88	18.468	2867	2870	2874	rBV2	66430	76577	4.67%	0.313%
89	18.674	2902	2905	2910	rVB3	88264	124340	7.58%	0.508%
90	18.803	2924	2927	2929	rBV2	46176	52321	3.19%	0.214%
91	18.851	2929	2935	2939	rVV	157725	240310	14.64%	0.981%
92	18.892	2939	2942	2945	rVB	106479	108154	6.59%	0.442%
93	19.003	2958	2961	2968	rBV3	57024	117283	7.15%	0.479%
94	19.062	2969	2971	2975	rVV2	49083	53243	3.24%	0.217%
95	19.609	3060	3064	3067	rBV	253197	346486	21.12%	1.415%
96	19.898	3110	3113	3118	rBV	169733	193729	11.81%	0.791%
97	19.956	3120	3123	3127	rVB	232618	241387	14.71%	0.986%
98	20.015	3129	3133	3136	rBV	235207	273411	16.66%	1.117%
99	21.192	3331	3333	3339	rVB	92412	125475	7.65%	0.512%
100	21.527	3387	3390	3398	rVB	87662	144026	8.78%	0.588%

Sum of corrected areas: 24484990

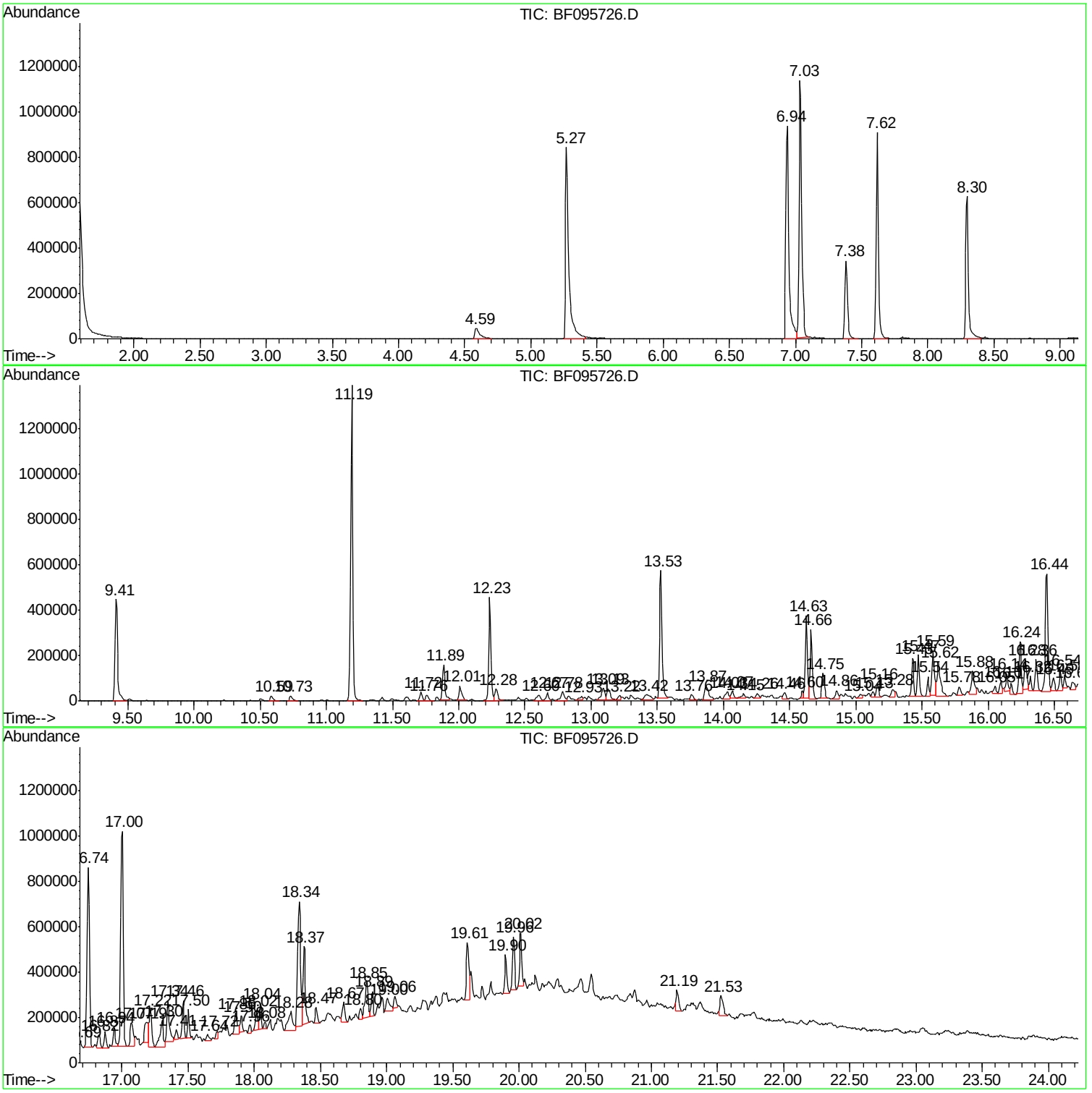
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060617\
Data File : BF095726.D
Acq On : 7 Jun 2017 00:16
Operator : SJ/MA
Sample : I3482-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

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

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



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060617\
Data File : BF095726.D
Acq On : 7 Jun 2017 00:16
Operator : SJ/MA
Sample : I3482-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

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

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

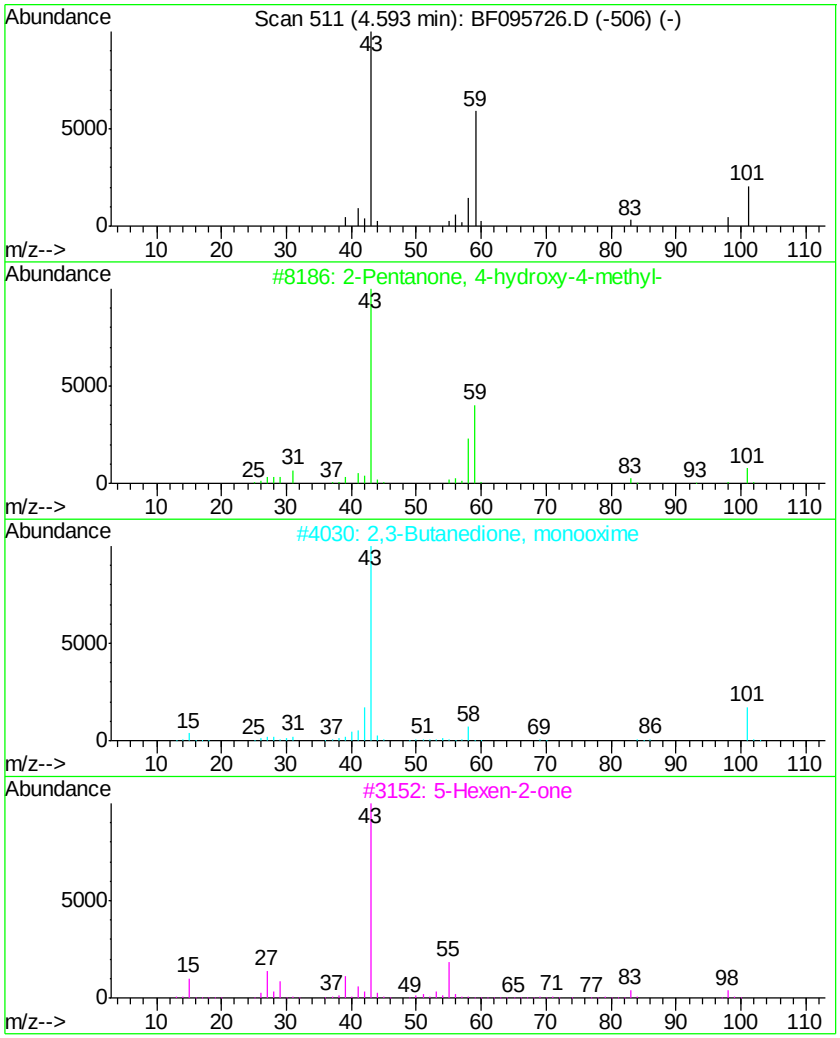
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

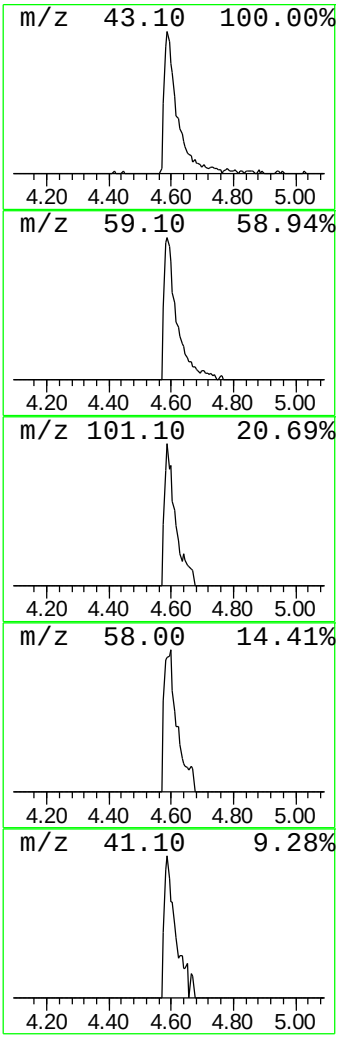
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.59	5.90 ng	126800	1,4-Dichlorobenzene-d4	7.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
3	5-Hexen-2-one	98	C6H10O	000109-49-9	9
4	3-Pentanol, 2-methyl-	102	C6H14O	000565-67-3	9
5	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060617\
Data File : BF095726.D
Acq On : 7 Jun 2017 00:16
Operator : SJ/MA
Sample : I3482-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

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

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

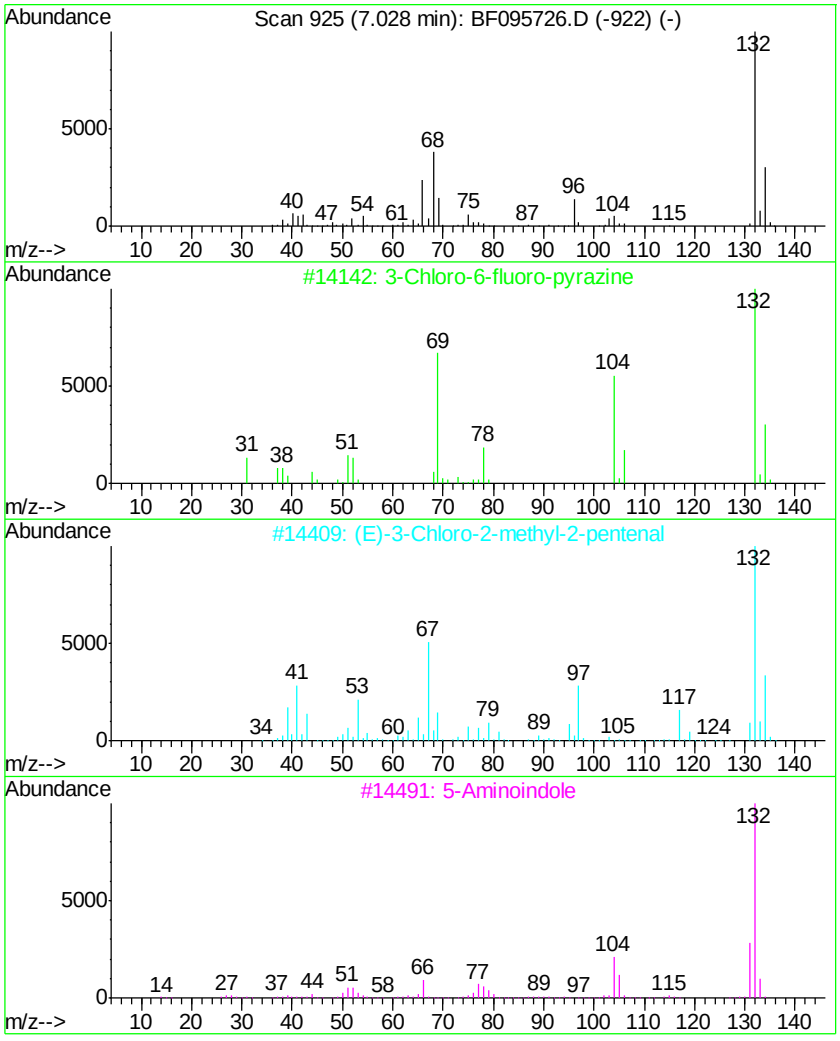
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

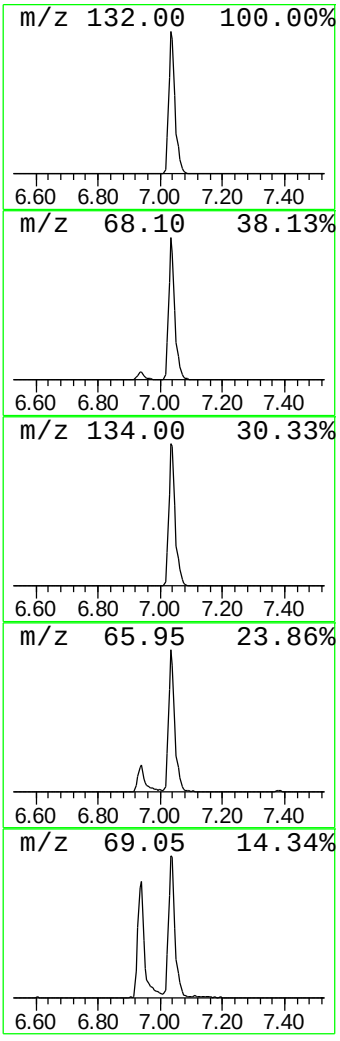
****

Peak Number 2 unknown7.03 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.03	75.98 ng	1633470	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	38
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	10
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060617\
Data File : BF095726.D
Acq On : 7 Jun 2017 00:16
Operator : SJ/MA
Sample : I3482-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

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

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

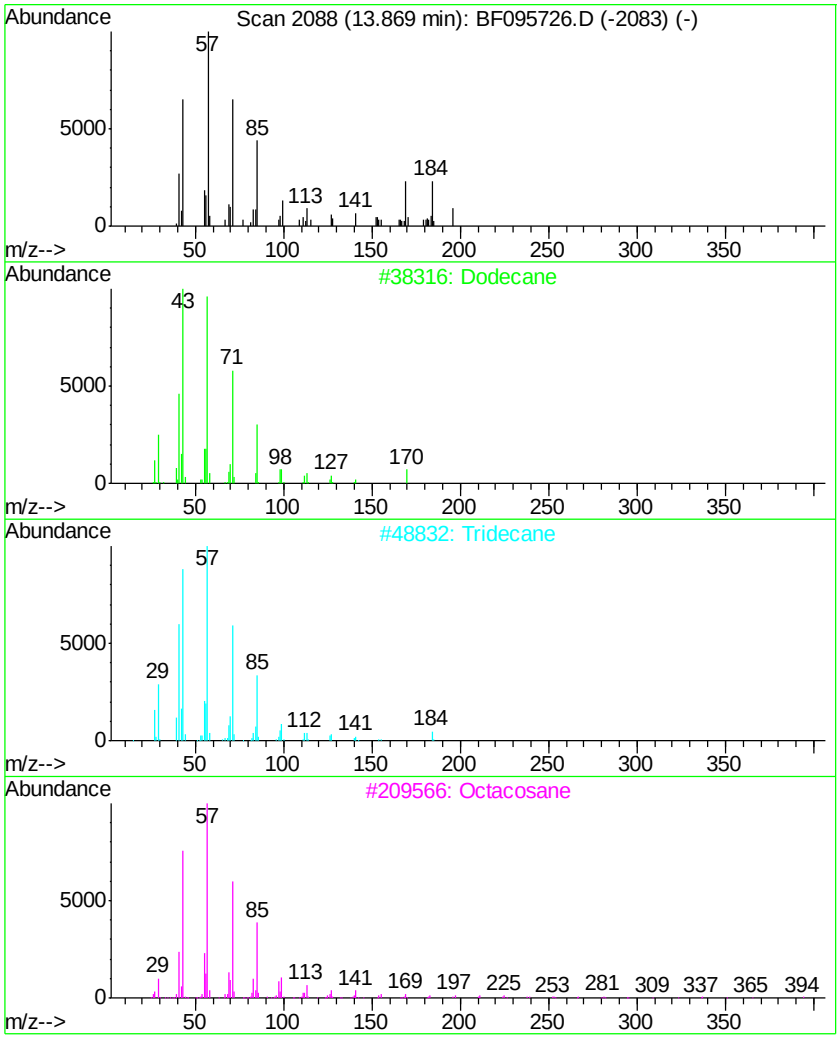
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

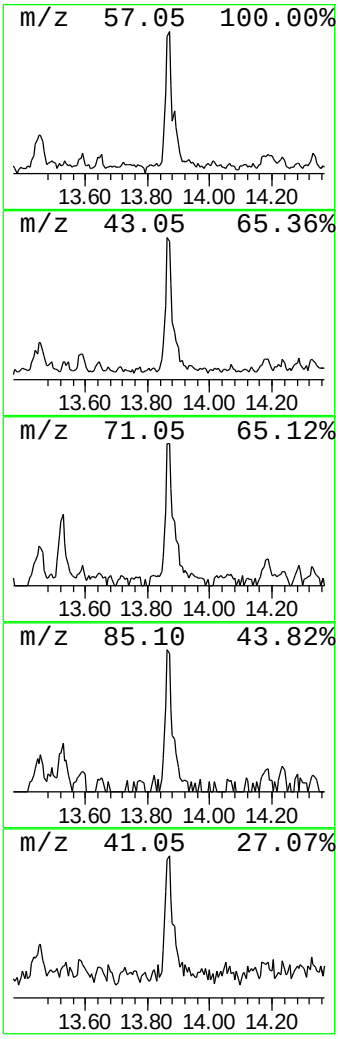
****

Peak Number 4 Dodecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.87	5.30 ng	122367	Phenanthrene-d10	14.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	70
2	Tridecane	184	C13H28	000629-50-5	64
3	Octacosane	394	C28H58	000630-02-4	62
4	Hexadecane	226	C16H34	000544-76-3	58
5	Heneicosane	296	C21H44	000629-94-7	58





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060617\
Data File : BF095726.D
Acq On : 7 Jun 2017 00:16
Operator : SJ/MA
Sample : I3482-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

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

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

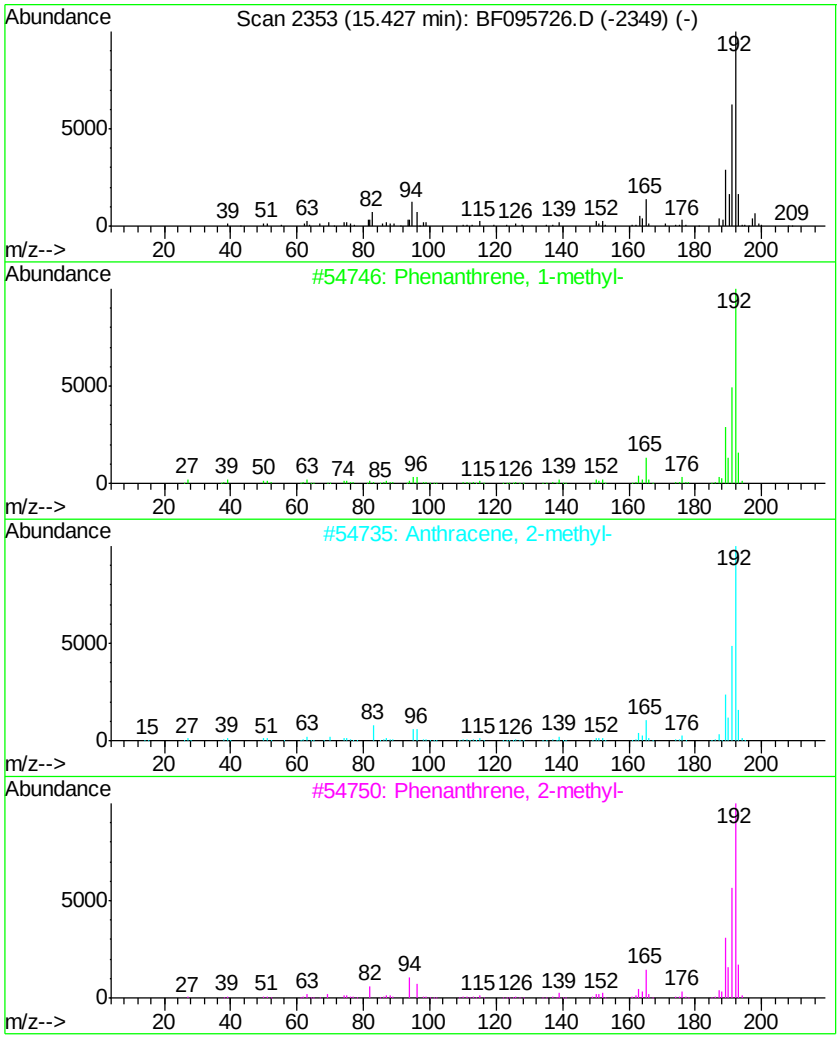
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

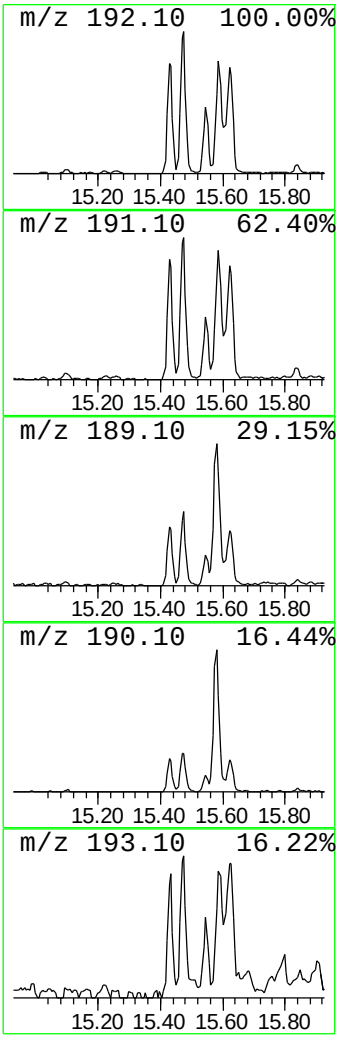
****

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.43	8.23 ng	189918	Phenanthrene-d10	14.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	89





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060617\
Data File : BF095726.D
Acq On : 7 Jun 2017 00:16
Operator : SJ/MA
Sample : I3482-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

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

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

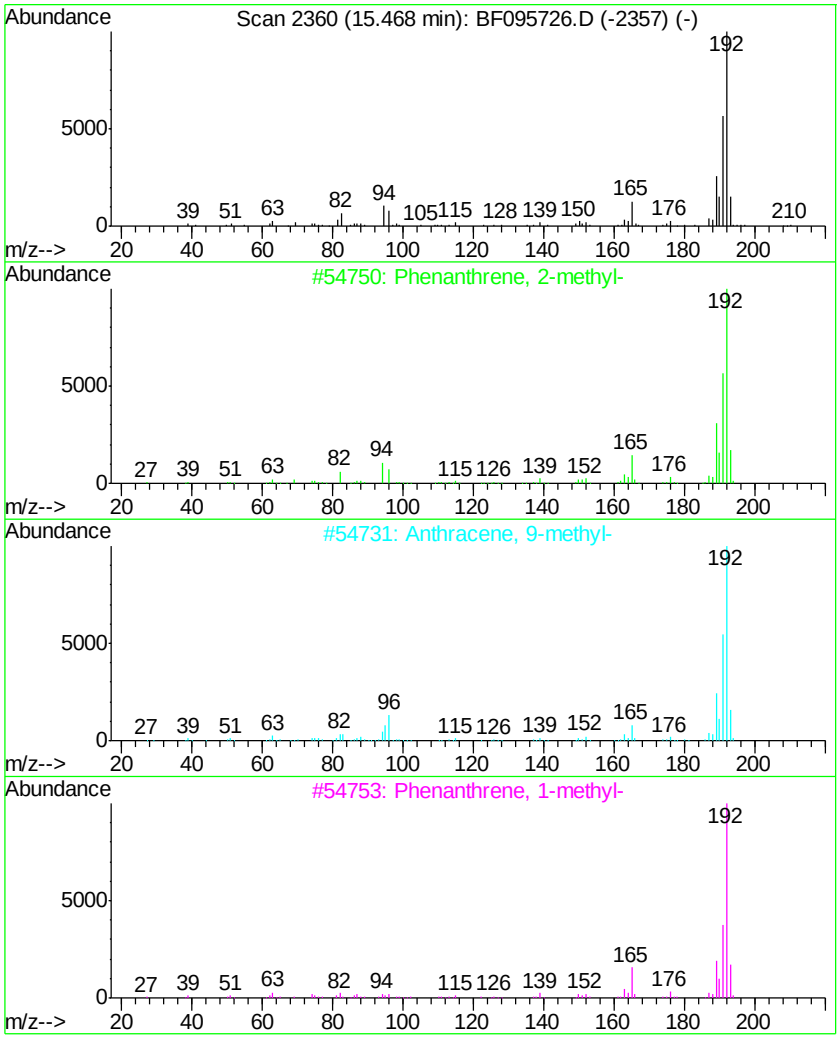
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

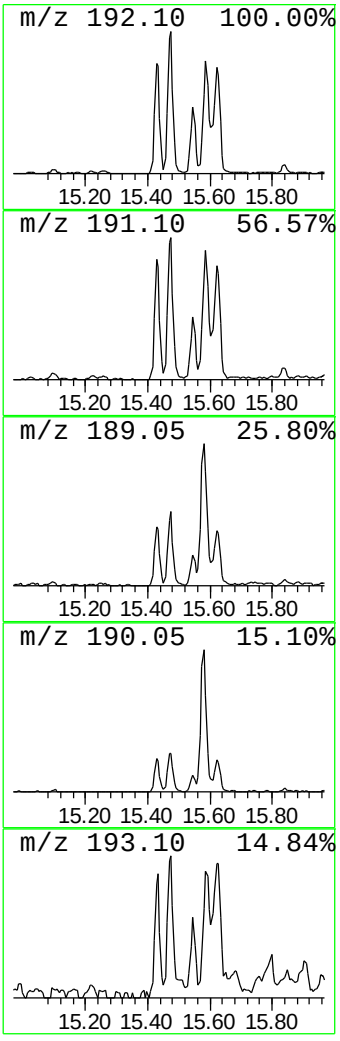
****

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.47	9.63 ng	222308	Phenanthrene-d10	14.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060617\
Data File : BF095726.D
Acq On : 7 Jun 2017 00:16
Operator : SJ/MA
Sample : I3482-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

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

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

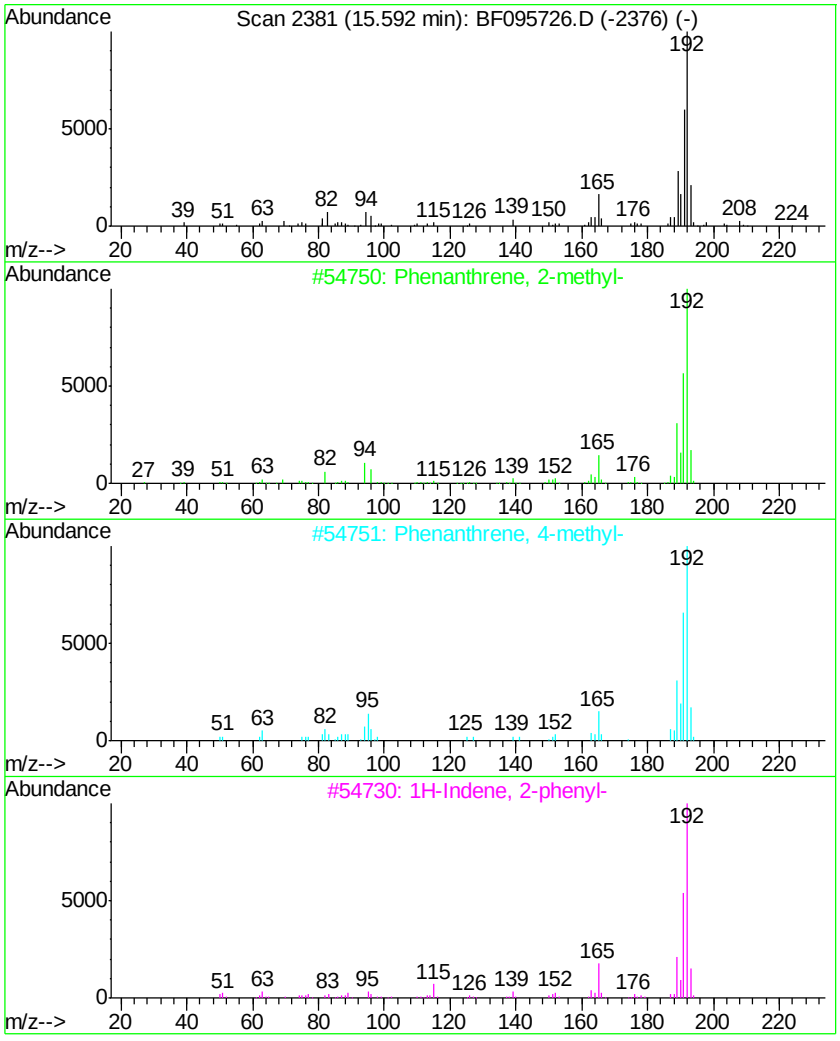
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

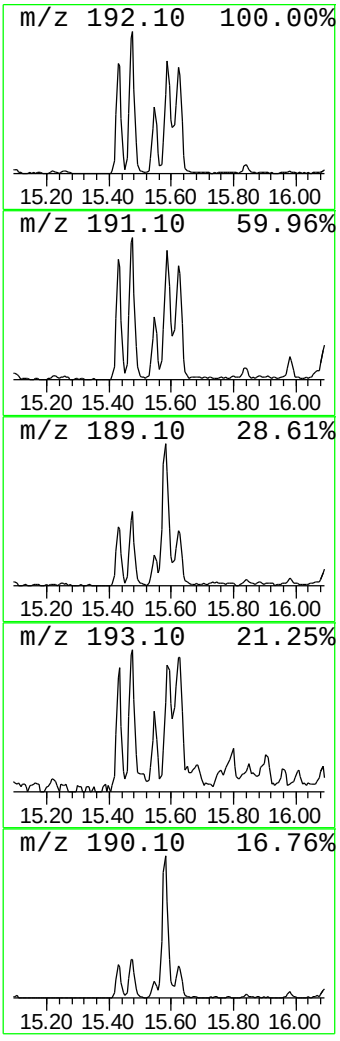
****

Peak Number 7 Naphtho[2,3-b]norbornadiene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.59	12.62 ng	291281	Phenanthrene-d10	14.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	70
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	64
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	64
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	64
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	64





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060617\
Data File : BF095726.D
Acq On : 7 Jun 2017 00:16
Operator : SJ/MA
Sample : I3482-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

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

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

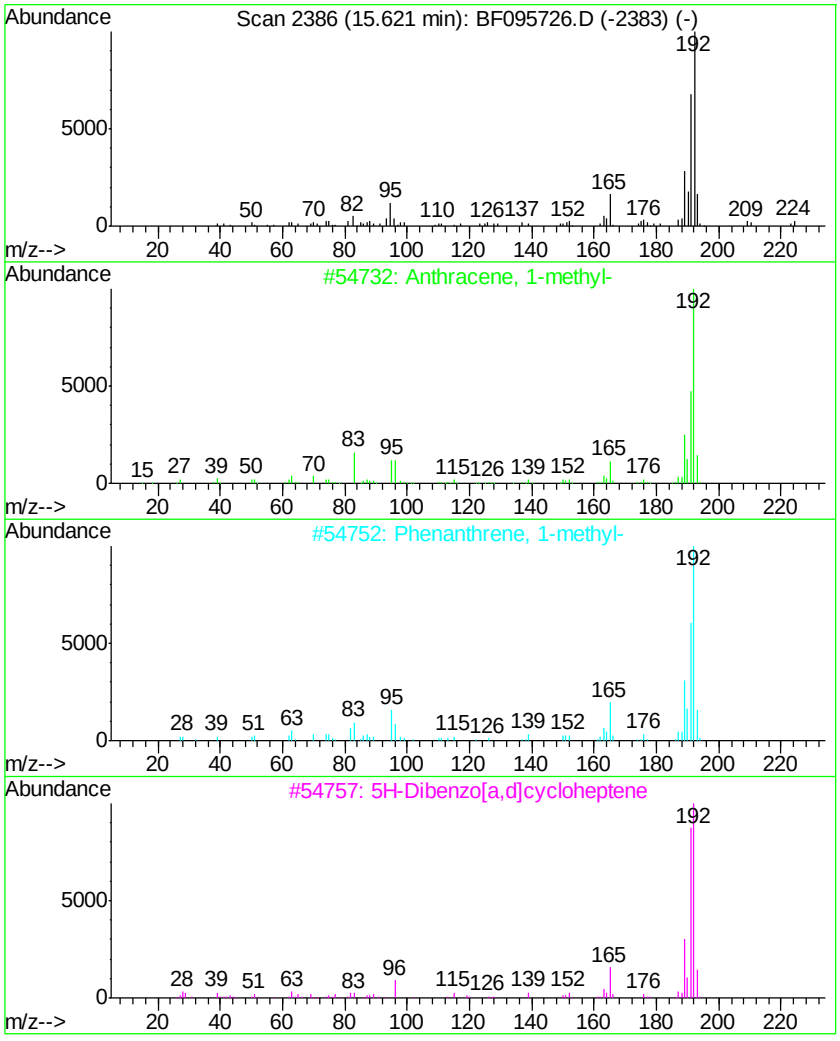
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

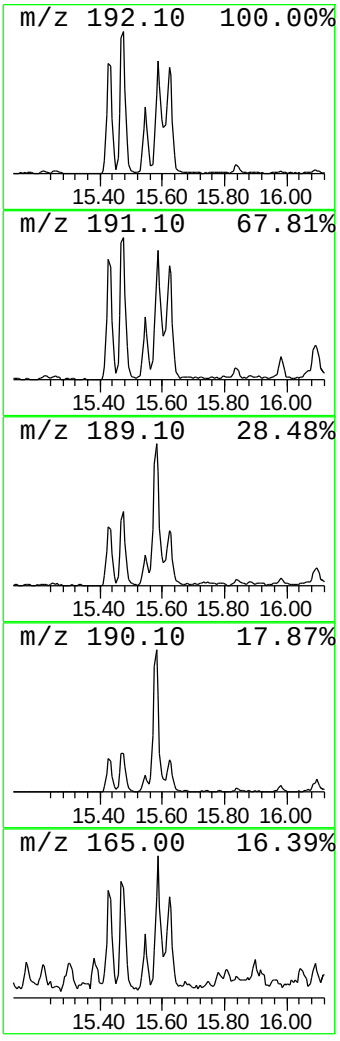
****

Peak Number 8 Anthracene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.62	12.32 ng	284304	Phenanthrene-d10	14.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	90
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060617\
Data File : BF095726.D
Acq On : 7 Jun 2017 00:16
Operator : SJ/MA
Sample : I3482-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

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

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

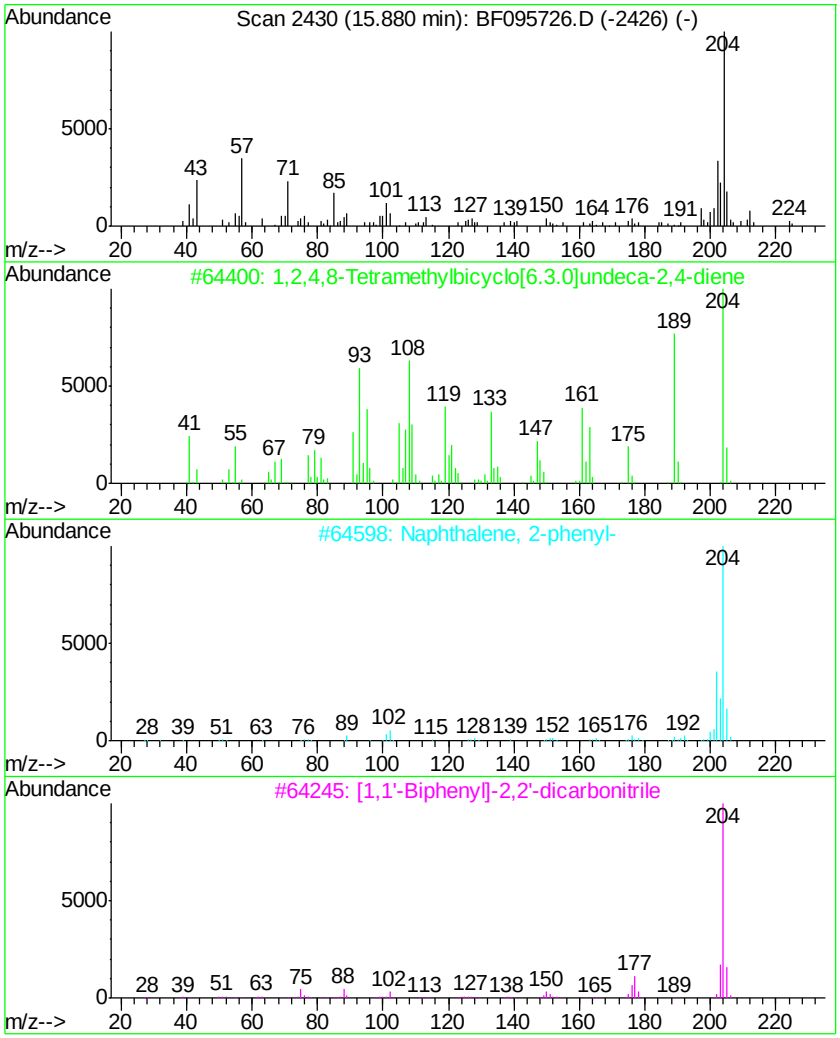
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

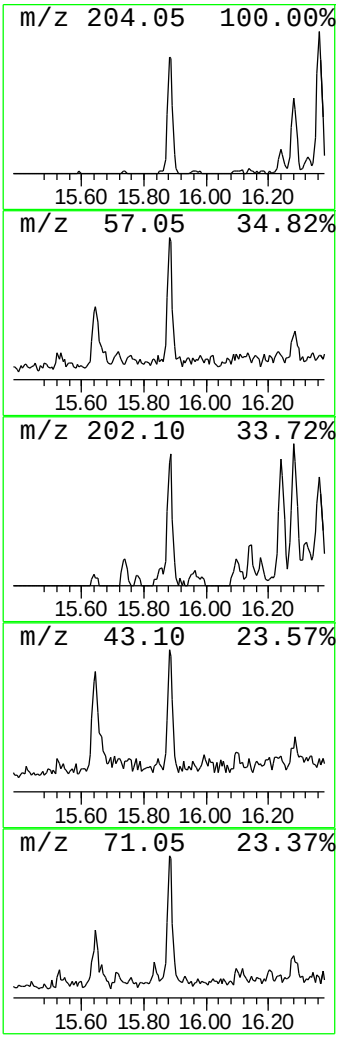
****

Peak Number 9 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.88	7.09 ng	163593	Phenanthrene-d10	14.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	60
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	49
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	49
5	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	45





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060617\
Data File : BF095726.D
Acq On : 7 Jun 2017 00:16
Operator : SJ/MA
Sample : I3482-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

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

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

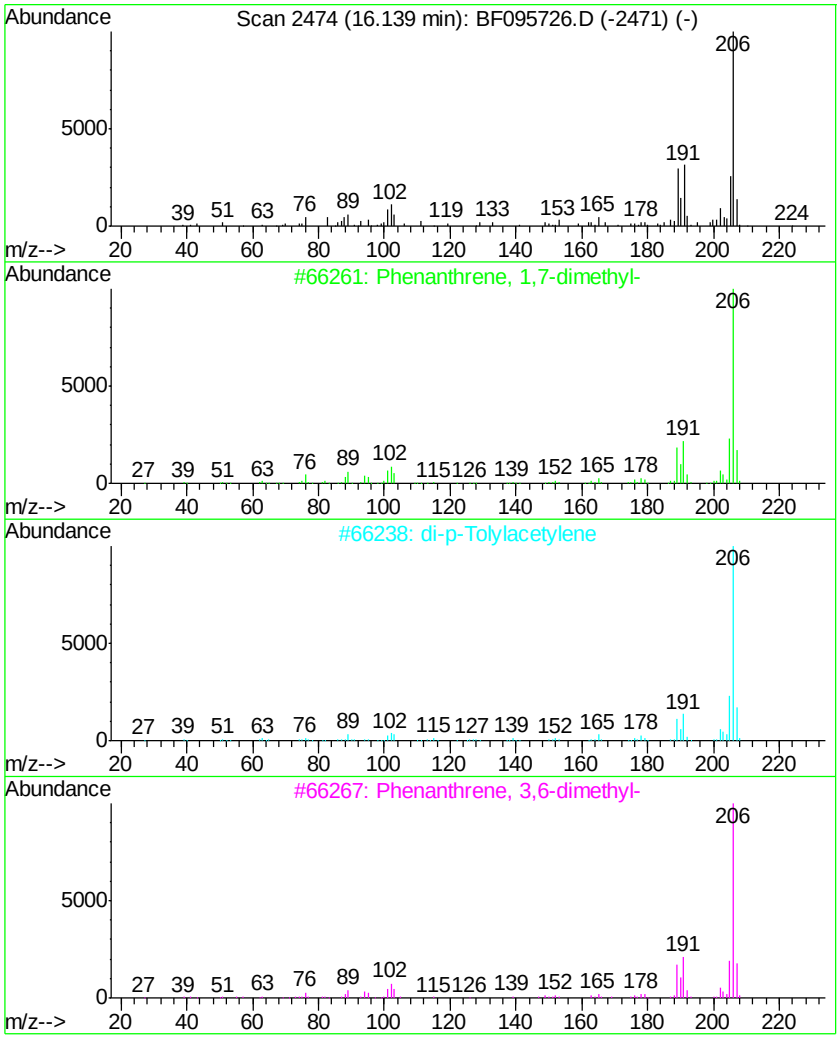
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

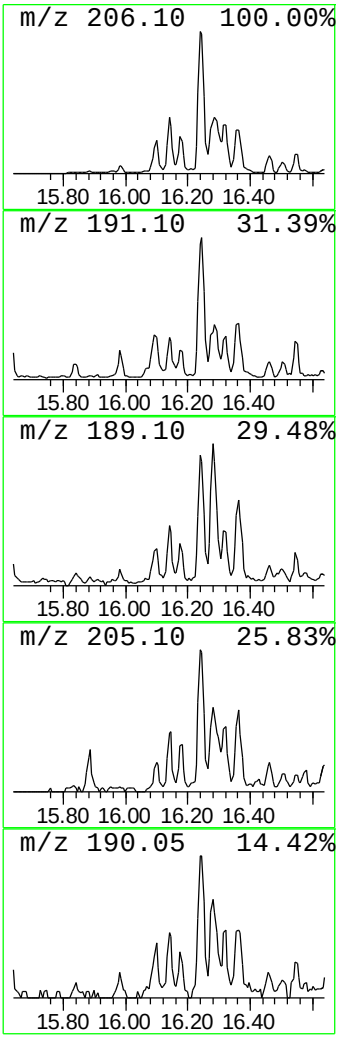
****

Peak Number 10 Phenanthrene, 1,7-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.14	4.00 ng	92247	Phenanthrene-d10	14.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	94
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	76





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060617\
Data File : BF095726.D
Acq On : 7 Jun 2017 00:16
Operator : SJ/MA
Sample : I3482-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

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

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

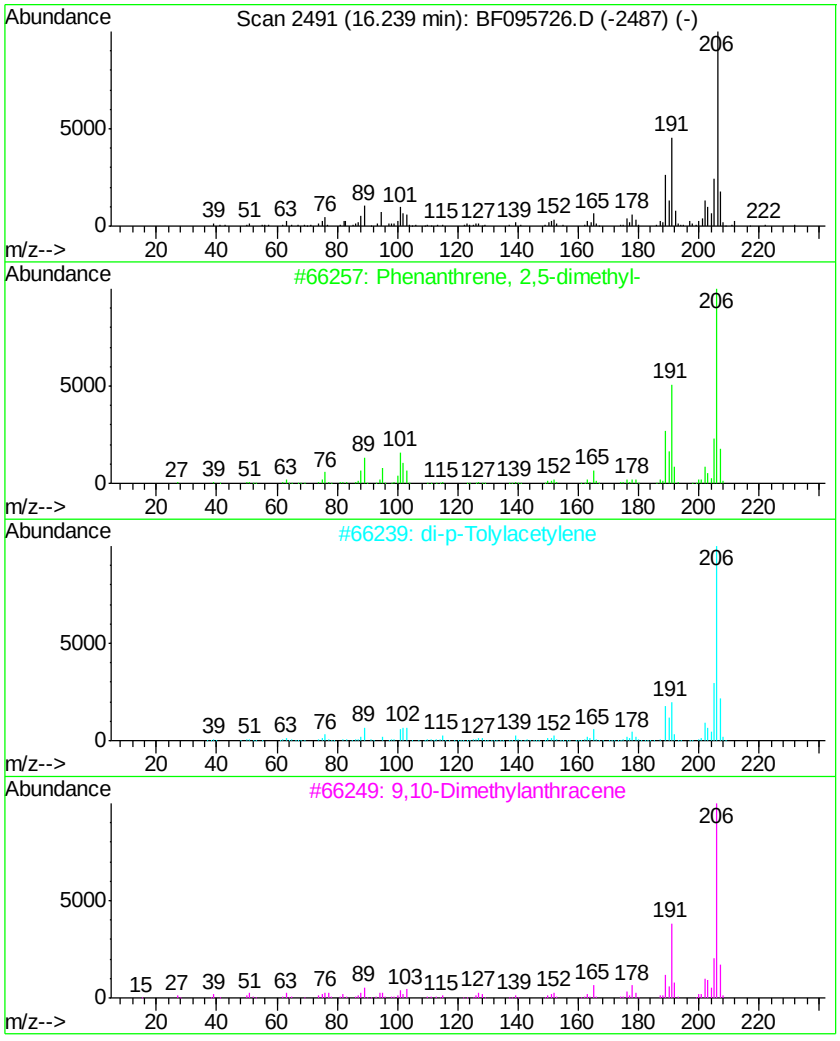
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

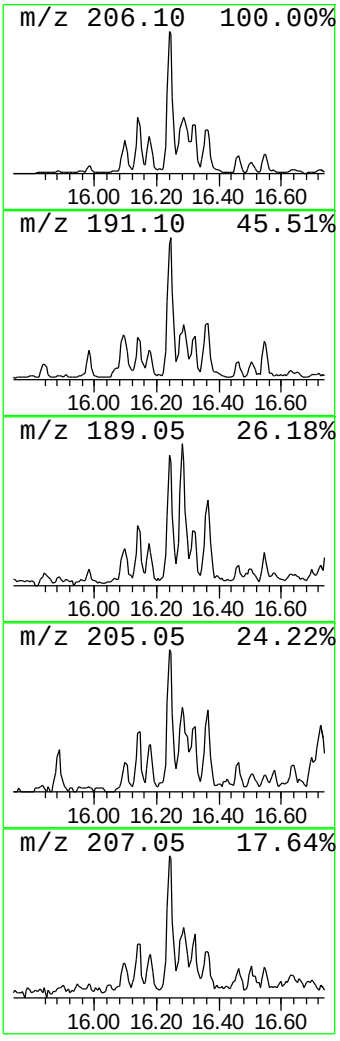
****

Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.24	12.87 ng	297079	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	di-p-Tolylacetylene	206	C16H14	002789-88-0	96
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	94
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060617\
Data File : BF095726.D
Acq On : 7 Jun 2017 00:16
Operator : SJ/MA
Sample : I3482-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

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

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

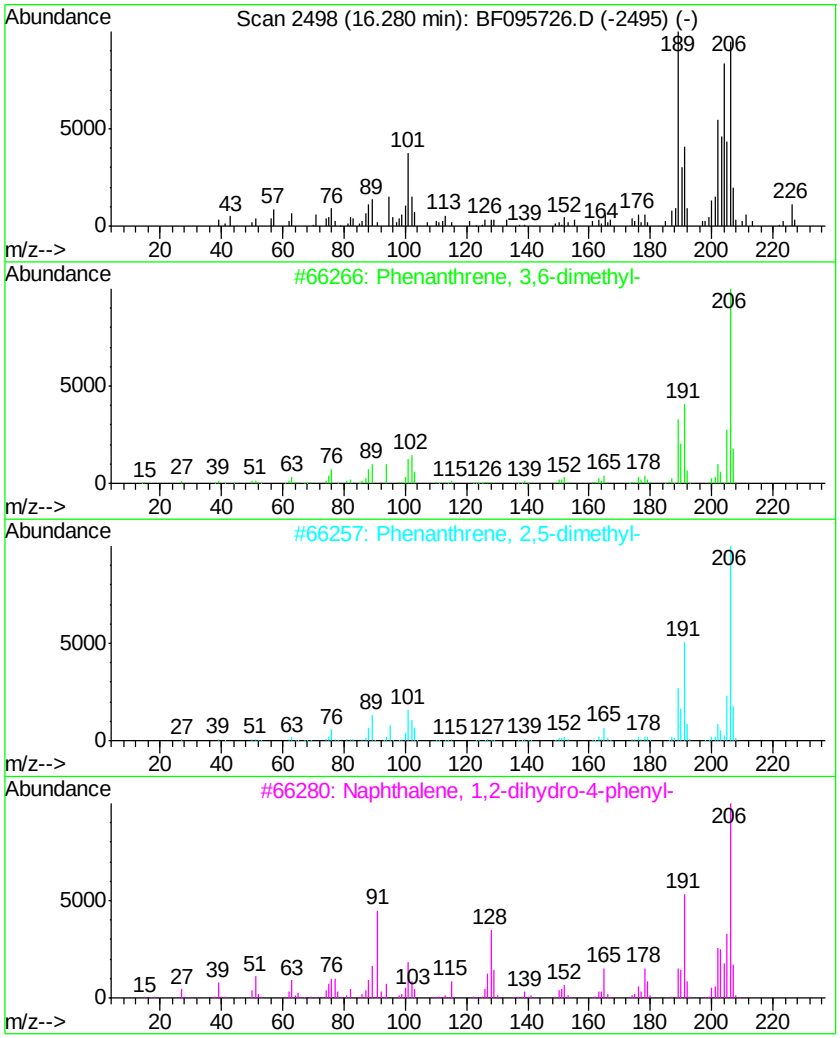
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

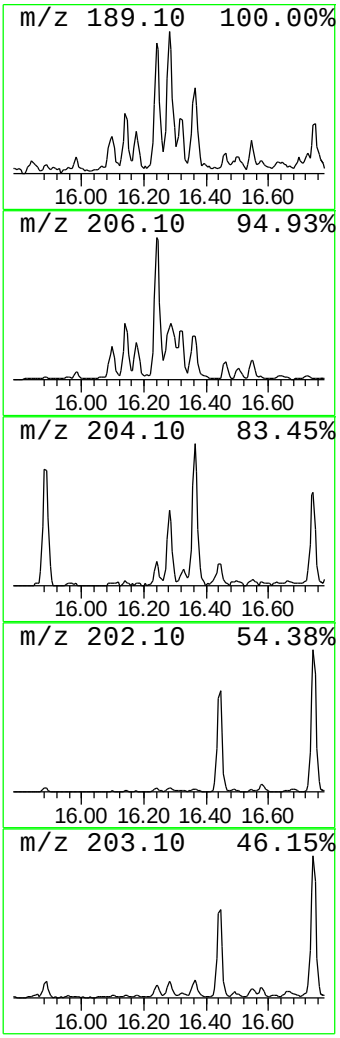
****

Peak Number 12 Phenanthrene, 3,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.28	7.94 ng	183391	Phenanthrene-d10	14.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	83
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	42
3	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	41
4	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	41
5	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	38





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060617\
Data File : BF095726.D
Acq On : 7 Jun 2017 00:16
Operator : SJ/MA
Sample : I3482-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

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

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

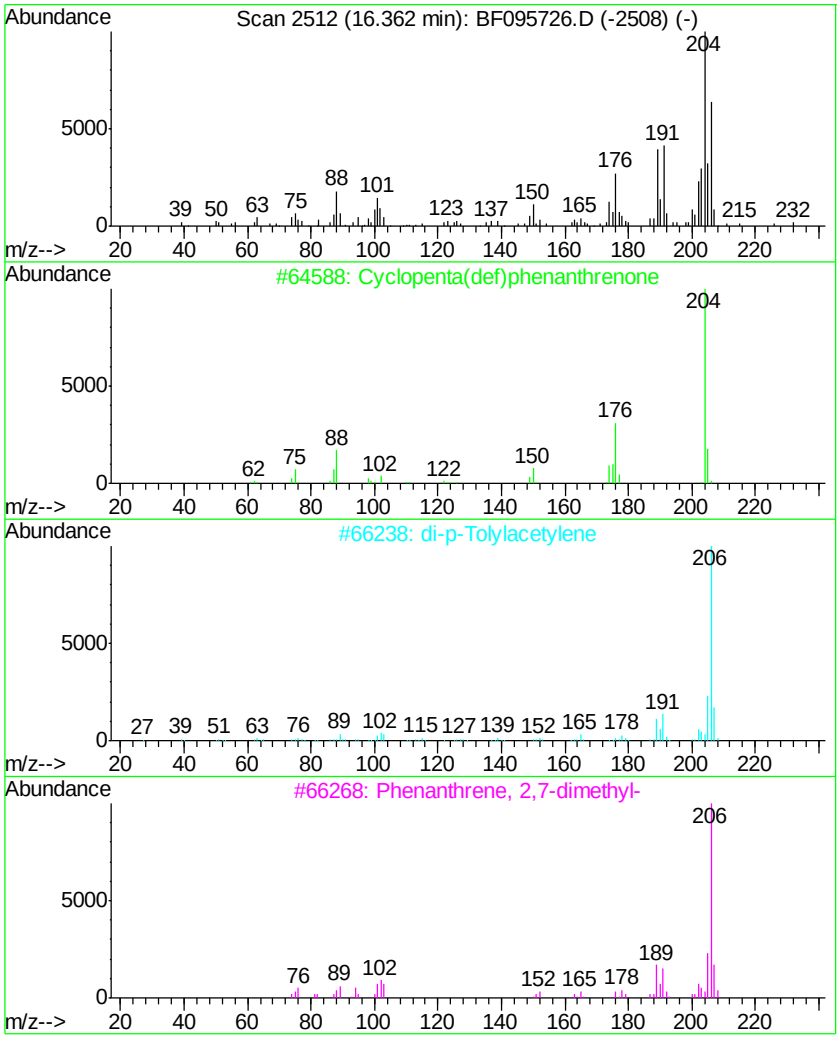
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

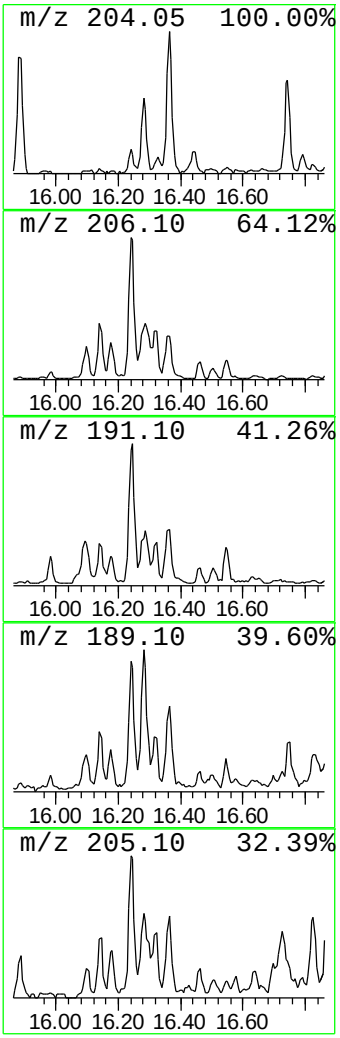
****

Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.36	7.57 ng	174848	Phenanthrene-d10	14.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	51
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	49
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	45
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	45
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	43





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060617\
Data File : BF095726.D
Acq On : 7 Jun 2017 00:16
Operator : SJ/MA
Sample : I3482-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

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

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

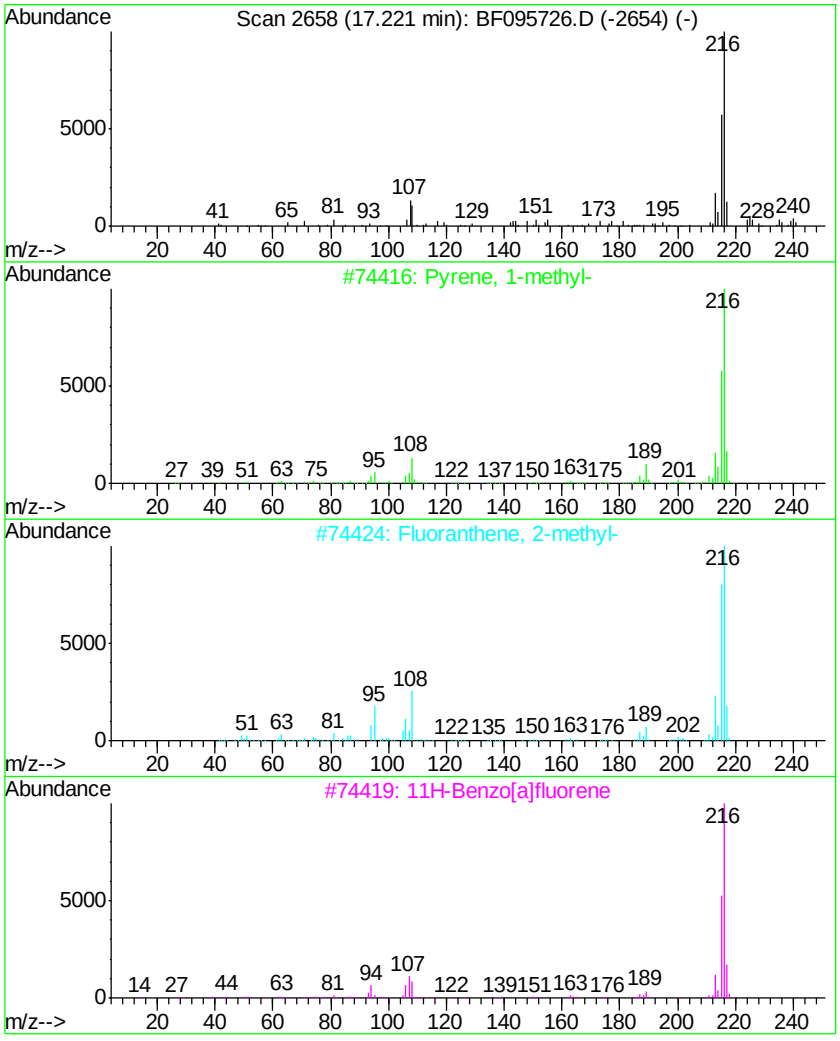
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

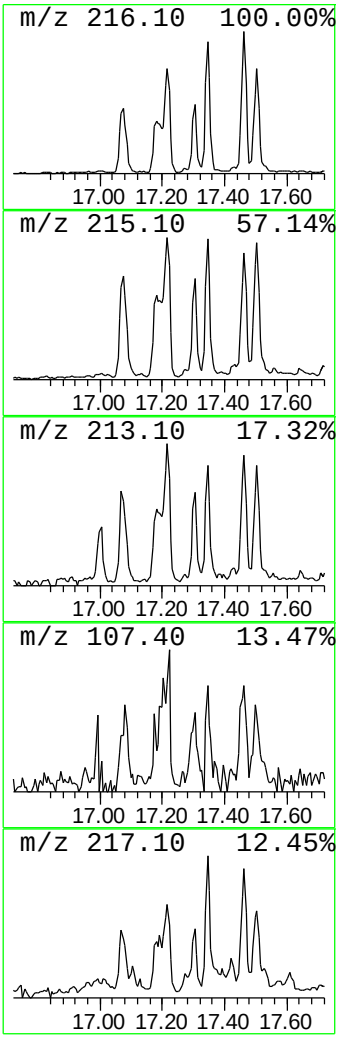
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.22	5.09 ng	229215	Chrysene-d12	18.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	78
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	72
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	72
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	64
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	53





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060617\
Data File : BF095726.D
Acq On : 7 Jun 2017 00:16
Operator : SJ/MA
Sample : I3482-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

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

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

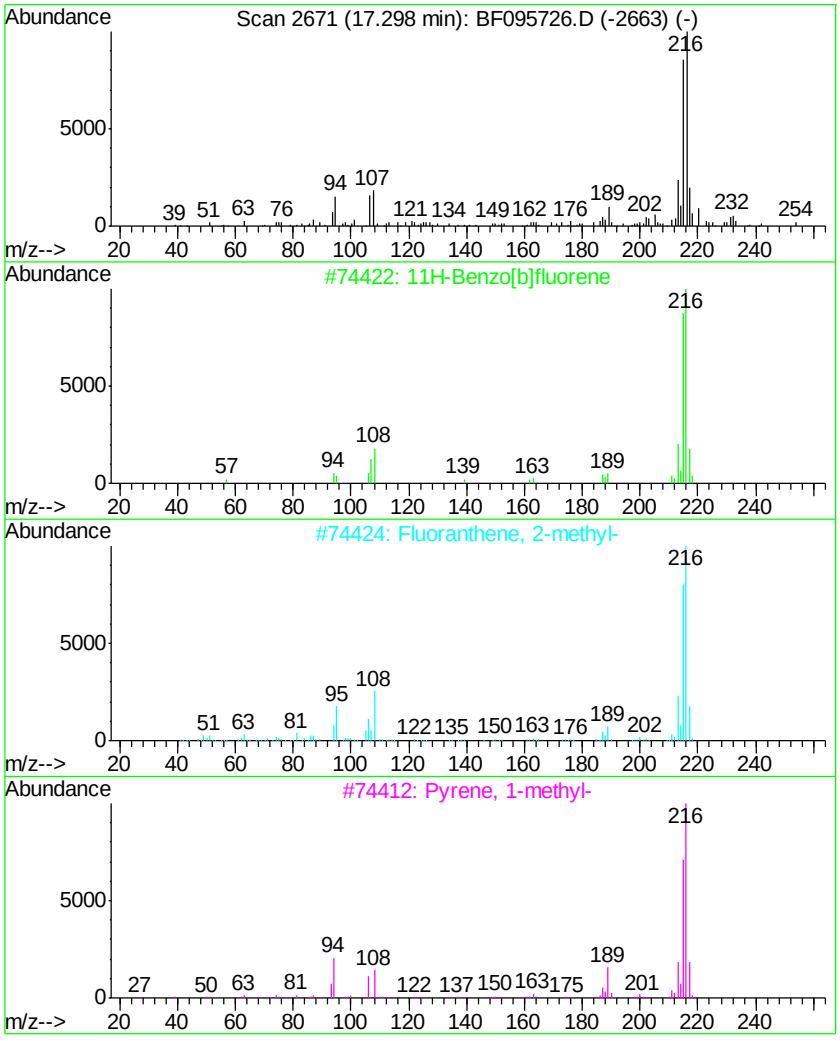
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

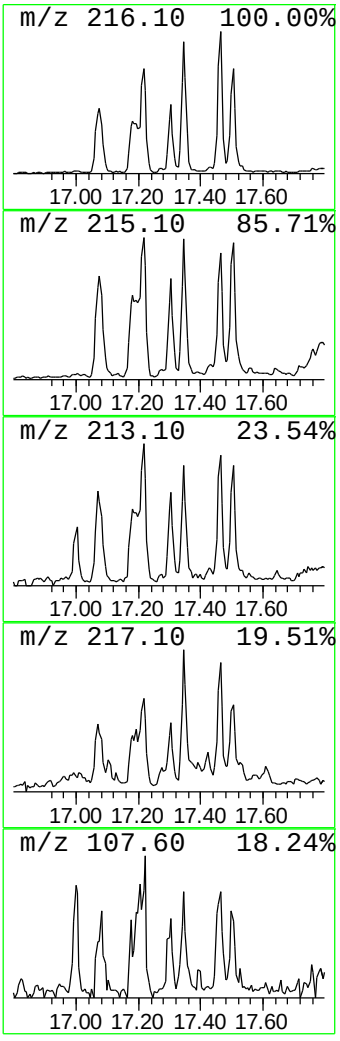
****

Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.30	4.67 ng	210093	Chrysene-d12	18.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060617\
Data File : BF095726.D
Acq On : 7 Jun 2017 00:16
Operator : SJ/MA
Sample : I3482-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

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

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

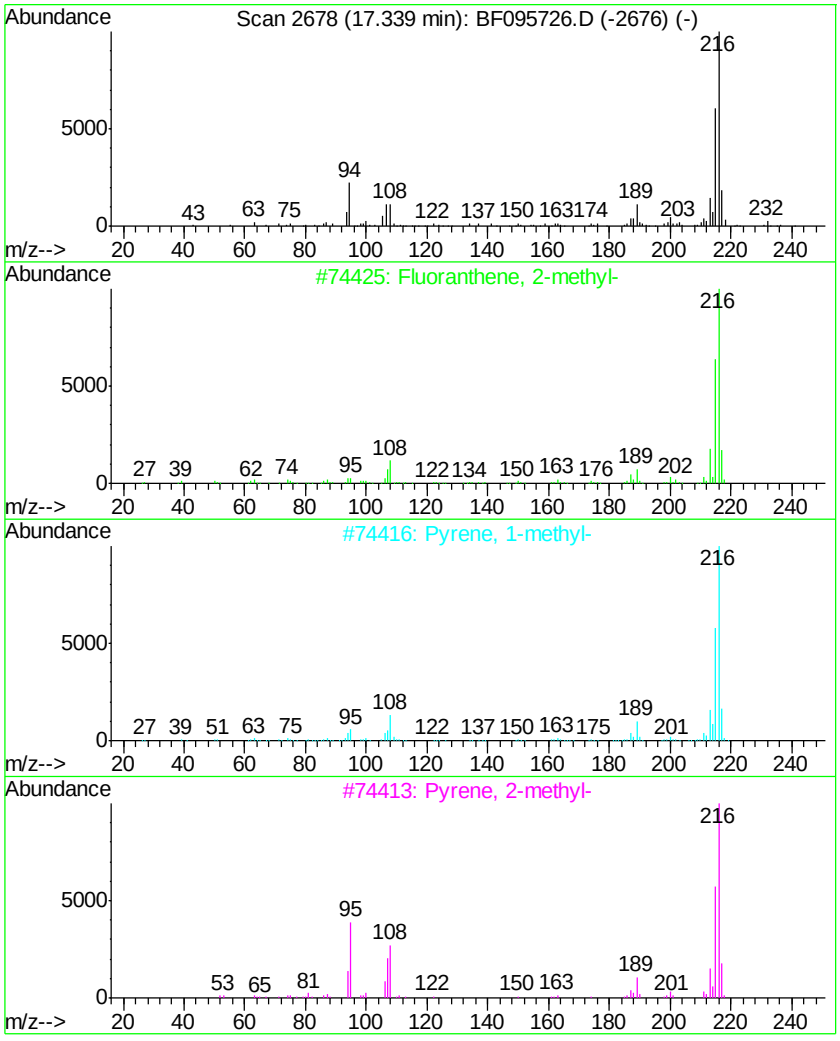
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

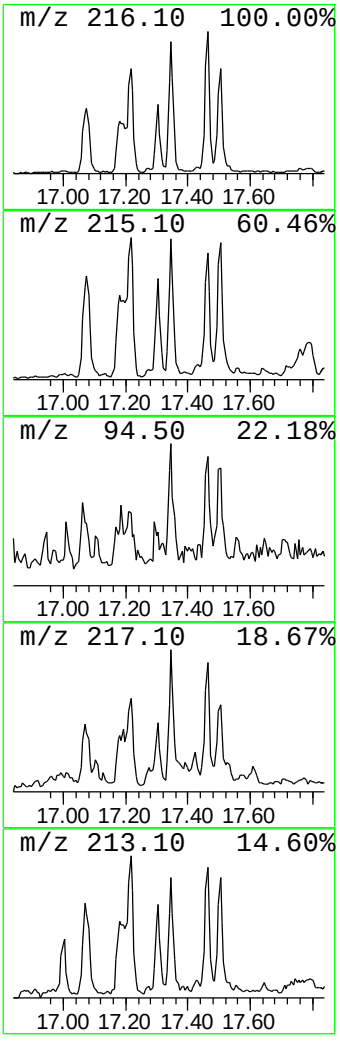
****

Peak Number 16 Fluoranthene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.34	5.85 ng	263349	Chrysene-d12	18.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060617\
Data File : BF095726.D
Acq On : 7 Jun 2017 00:16
Operator : SJ/MA
Sample : I3482-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

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

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

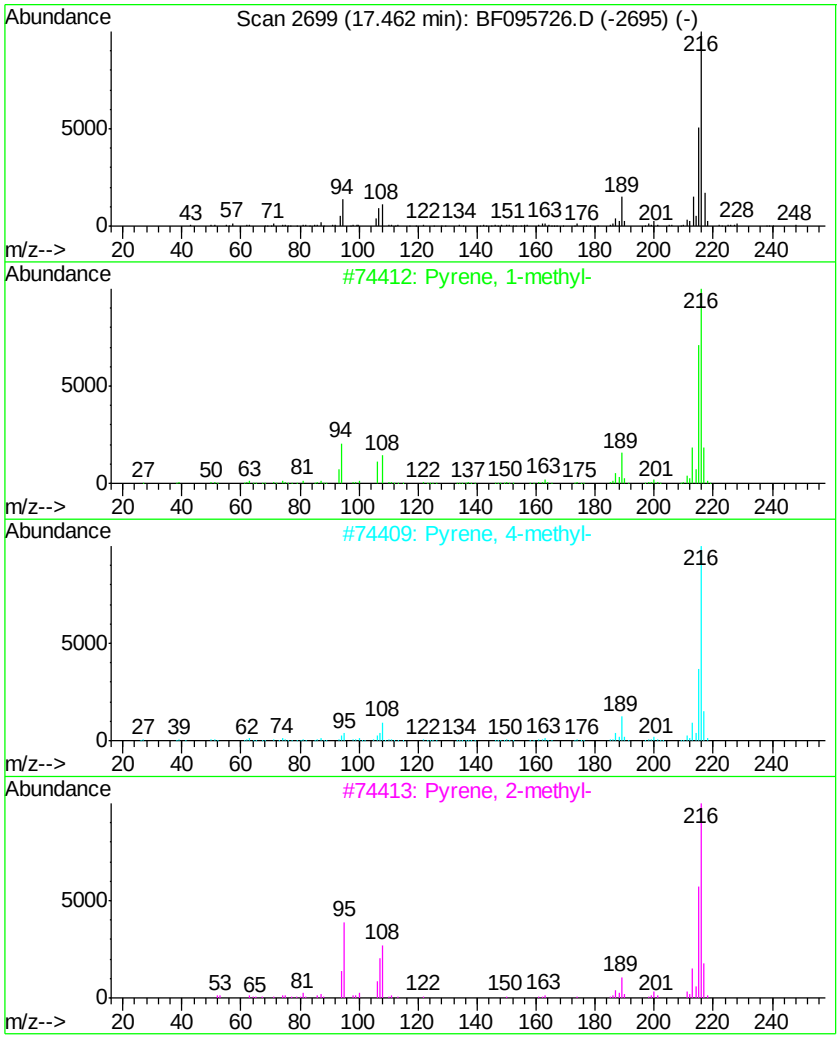
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

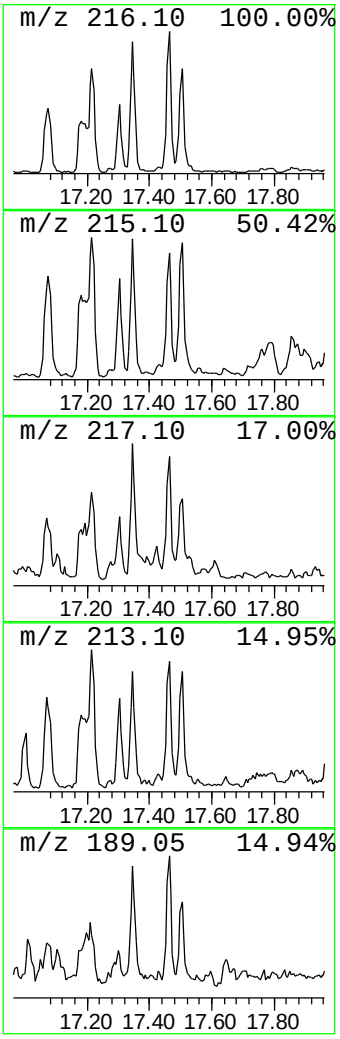
****

Peak Number 17 Pyrene, 4-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.46	3.98 ng	179176	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, 4-methyl-	216	C17H12	003353-12-6	95
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	95
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060617\
Data File : BF095726.D
Acq On : 7 Jun 2017 00:16
Operator : SJ/MA
Sample : I3482-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

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

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

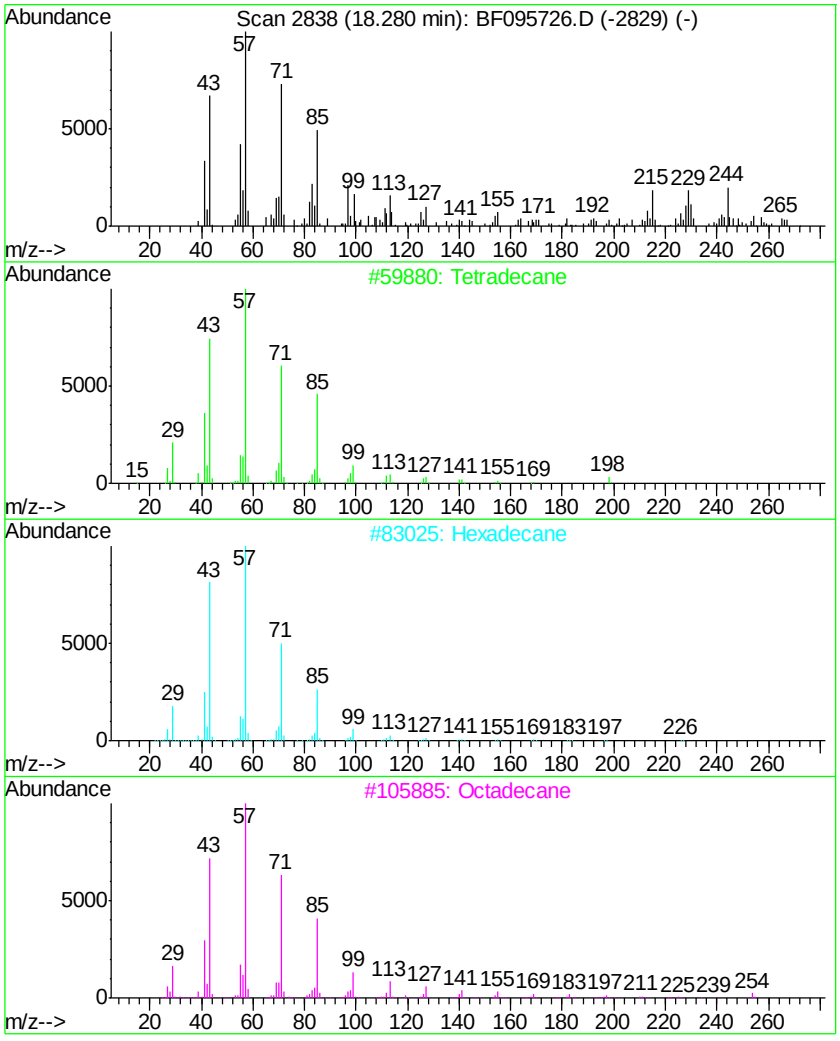
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

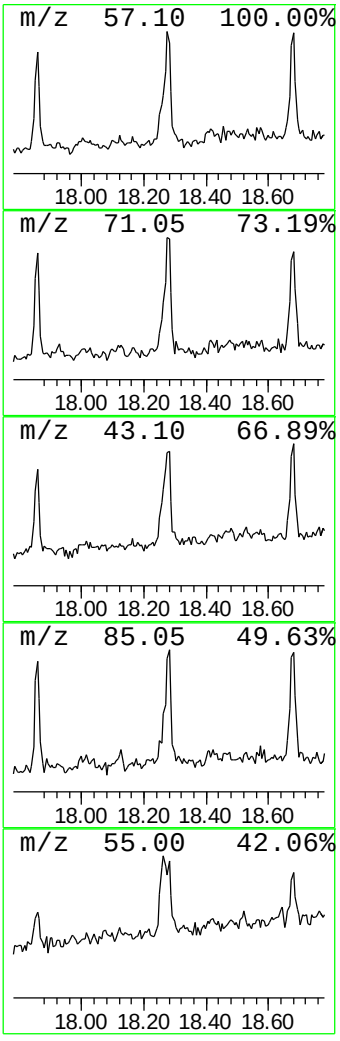
****

Peak Number 18 Tetradecane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.28	4.79 ng	215746	Chrysene-d12	18.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	90
2	Hexadecane	226	C16H34	000544-76-3	83
3	Octadecane	254	C18H38	000593-45-3	83
4	Hentriacontane	437	C31H64	000630-04-6	64
5	Heptadecane	240	C17H36	000629-78-7	64





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060617\
Data File : BF095726.D
Acq On : 7 Jun 2017 00:16
Operator : SJ/MA
Sample : I3482-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

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

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

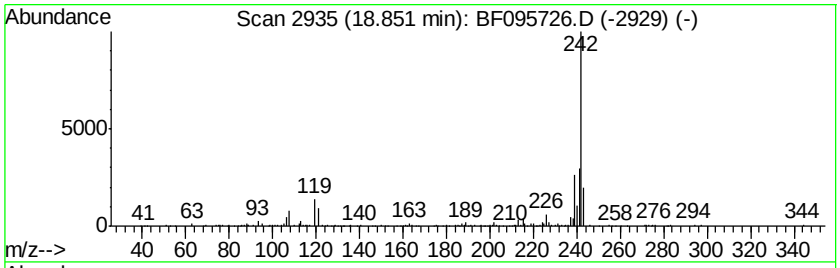
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

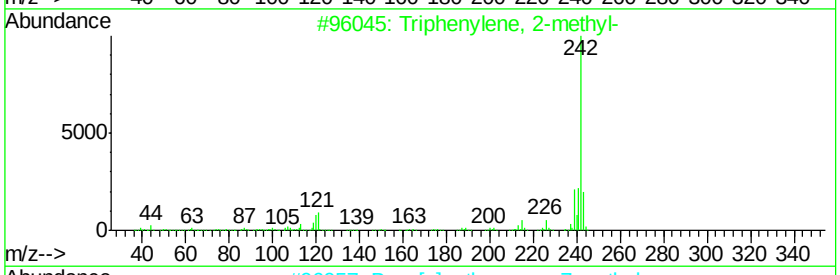
****

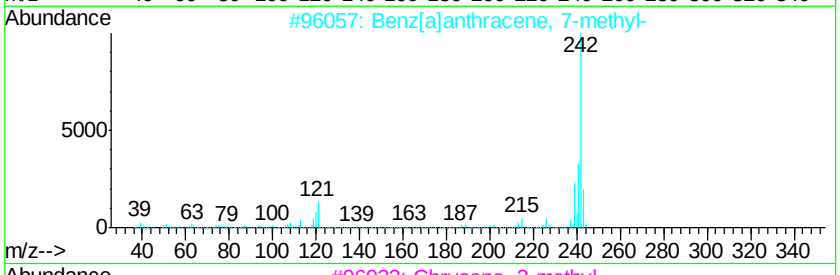
Peak Number 19 Triphenylene, 2-methyl- Concentration Rank 14

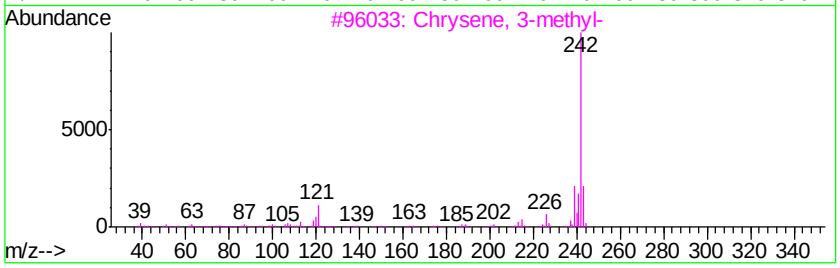
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.85	5.34 ng	240310	Chrysene-d12	18.34

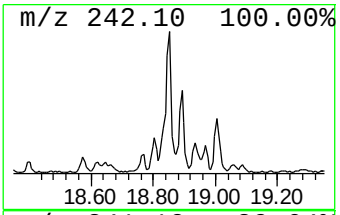
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	95
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	94
3	Chrysene, 3-methyl-	242	C19H14	003351-31-3	94
4	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	92
5	Chrysene, 5-methyl-	242	C19H14	003697-24-3	90

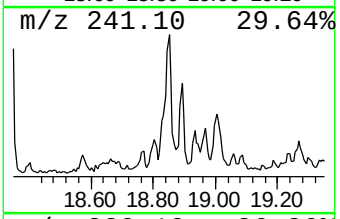


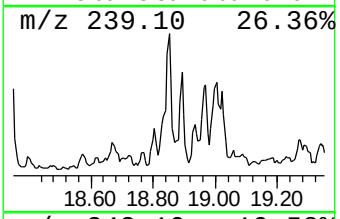


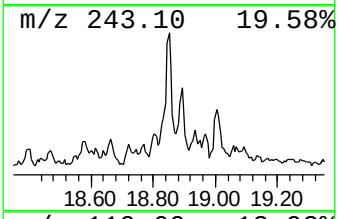


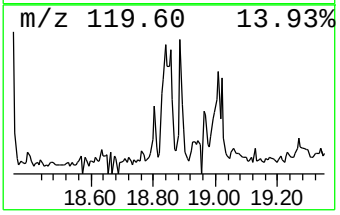












Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060617\
Data File : BF095726.D
Acq On : 7 Jun 2017 00:16
Operator : SJ/MA
Sample : I3482-07
Misc :
ALS Vial : 16 Sample Multiplier: 1

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

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...	4.59	5.9	ng	126800	1	7.38	429972	20.0
unknown7.03	7.03	76.0	ng	1633470	1	7.38	429972	20.0
Dodecane	13.87	5.3	ng	122367	4	14.63	461653	20.0
Phenanthrene, 1-m...	15.43	8.2	ng	189918	4	14.63	461653	20.0
Phenanthrene, 2-m...	15.47	9.6	ng	222308	4	14.63	461653	20.0
Naphtho[2,3-b]nor...	15.59	12.6	ng	291281	4	14.63	461653	20.0
Anthracene, 1-met...	15.62	12.3	ng	284304	4	14.63	461653	20.0
1,2,4,8-Tetrameth...	15.88	7.1	ng	163593	4	14.63	461653	20.0
Phenanthrene, 1,7...	16.14	4.0	ng	92247	4	14.63	461653	20.0
Phenanthrene, 2,5...	16.24	12.9	ng	297079	4	14.63	461653	20.0
Phenanthrene, 3,6...	16.28	7.9	ng	183391	4	14.63	461653	20.0
Cyclopenta(def)ph...	16.36	7.6	ng	174848	4	14.63	461653	20.0
Pyrene, 1-methyl-	17.22	5.1	ng	229215	5	18.34	900642	20.0
11H-Benzo[b]fluorene	17.30	4.7	ng	210093	5	18.34	900642	20.0
Fluoranthene, 2-m...	17.34	5.8	ng	263349	5	18.34	900642	20.0
Pyrene, 4-methyl-	17.46	4.0	ng	179176	5	18.34	900642	20.0
Tetradecane	18.28	4.8	ng	215746	5	18.34	900642	20.0
Triphenylene, 2-m...	18.85	5.3	ng	240310	5	18.34	900642	20.0