LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051717\
Data File : BF095205.D
Acq On : 18 May 2017 2:01
Operator : SJ/MA
Sample : I3182-13 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 72-11932-72-11930-ETGI-338

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	5.107	536	539	554	rBV	59754	135087	11.01%	0.726%
2	5.742	644	647	673	rBV	321393	885484	72.18%	4.757%
3	7.313	911	914	931	rBV	359596	861872	70.26%	4.630%
4	7.436	931	935	949	rVB	674103	1106029	90.16%	5.942%
5	7.772	988	992	1005	rBV	399467	497620	40.57%	2.673%
6	8.007	1027	1032	1047	rBV	684823	864033	70.44%	4.642%
7	8.666	1141	1144	1156	rBV	280235	523390	42.67%	2.812%
8	9.789	1330	1335	1351	rBV	447263	680752	55.50%	3.657%
9	11.554	1631	1635	1655	rBV	815829	1226688	100.00%	6.590%
10	12.260	1750	1755	1764	rVB	80051	131499	10.72%	0.706%
11	12.395	1773	1778	1788	rBV	38472	61725	5.03%	0.332%
12	12.618	1811	1816	1824	rBV2	470465	681983	55.60%	3.664%
13	13.165	1905	1909	1915	rVB3	13475	19577	1.60%	0.105%
14	13.454	1954	1958	1961	rBV2	26052	31327	2.55%	0.168%
15	13.530	1965	1971	1976	rVB7	11857	24523	2.00%	0.132%
16	13.818	2017	2020	2025	rVB5	16380	23522	1.92%	0.126%
17	13.918	2033	2037	2050	rBV	278656	490108	39.95%	2.633%
18	14.224	2083	2089	2092	rBV	24252	31850	2.60%	0.171%
19	14.254	2092	2094	2099	rVB4	16998	22678	1.85%	0.122%
20	14.424	2120	2123	2126	rBV3	11433	15386	1.25%	0.083%
21	14.465	2126	2130	2135	rVB4	13937	19080	1.56%	0.103%
22	14.648	2157	2161	2165	rBV5	15922	29719	2.42%	0.160%
23	14.824	2186	2191	2195	rBV5	11342	21881	1.78%	0.118%
24	14.960	2210	2214	2217	rBV	18567	21521	1.75%	0.116%
25	15.024	2220	2225	2228	rVV	419263	539349	43.97%	2.897%
26	15.059	2228	2231	2242	rVB	148467	215465	17.56%	1.158%
27	15.148	2242	2246	2255	rVB	77786	116301	9.48%	0.625%
28	15.242	2257	2262	2266	rBV2	22828	37345	3.04%	0.201%
29	15.465	2296	2300	2301	rVV3	15920	18655	1.52%	0.100%
30	15.507	2305	2307	2310	rVV	19803	21503	1.75%	0.116%
31	15.548	2310	2314	2320	rVV2	30911	42355	3.45%	0.228%
32	15.618	2323	2326	2331	rVB5	16452	19757	1.61%	0.106%
33	15.683	2331	2337	2342	rBV2	13978	24696	2.01%	0.133%
34	15.801	2353	2357	2361	rVV	84157	100887	8.22%	0.542%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051717\
Data File : BF095205.D
Acq On : 18 May 2017 2:01
Operator : SJ/MA
Sample : I3182-13 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 72-11932-72-11930-ETGI-338

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	15.842	2361	2364	2373	rVV	100620	135516	11.05%	0.728%
36	15.918	2373	2377	2380	rVV2	53053	66553	5.43%	0.358%
37	15.954	2380	2383	2387	rVV2	142920	208854	17.03%	1.122%
38	15.995	2387	2390	2399	rVB	83535	131779	10.74%	0.708%
39	16.106	2404	2409	2411	rVB5	10090	16561	1.35%	0.089%
40	16.148	2411	2416	2419	rBV3	20482	33271	2.71%	0.179%
41	16.212	2423	2427	2428	rBV2	21406	17362	1.42%	0.093%
42	16.242	2428	2432	2438	rVV3	37716	67240	5.48%	0.361%
43	16.454	2465	2468	2471	rBV	27186	27739	2.26%	0.149%
44	16.501	2471	2476	2479	rBV	40487	46252	3.77%	0.248%
45	16.536	2479	2482	2484	rVB	25321	23651	1.93%	0.127%
46	16.595	2487	2492	2496	rBV	120097	164411	13.40%	0.883%
47	16.642	2496	2500	2503	rVV3	68447	99834	8.14%	0.536%
48	16.677	2503	2506	2509	rVB2	30810	31883	2.60%	0.171%
49	16.718	2509	2513	2517	rBV3	57498	90113	7.35%	0.484%
50	16.801	2523	2527	2532	rBV	592152	683850	55.75%	3.674%
51	16.842	2532	2534	2539	rVB2	36333	32295	2.63%	0.173%
52	16.901	2539	2544	2547	rBV3	34773	56075	4.57%	0.301%
53	16.936	2547	2550	2556	rVB2	39759	53649	4.37%	0.288%
54	17.001	2558	2561	2564	rBV	24960	24062	1.96%	0.129%
55	17.036	2565	2567	2573	rVB4	25061	23284	1.90%	0.125%
56	17.101	2574	2578	2584	rBV	611677	742175	60.50%	3.987%
57	17.224	2596	2599	2602	rVB	27037	32252	2.63%	0.173%
58	17.259	2602	2605	2607	rVB4	16142	17635	1.44%	0.095%
59	17.295	2607	2611	2614	rBV	44447	61664	5.03%	0.331%
60	17.342	2614	2619	2627	rVB	857137	996017	81.20%	5.351%
61	17.424	2627	2633	2640	rBV2	76723	158386	12.91%	0.851%
62	17.536	2648	2652	2654	rBV2	62926	97052	7.91%	0.521%
63	17.565	2654	2657	2663	rVB	174181	200677	16.36%	1.078%
64	17.618	2663	2666	2668	rBV3	23905	33020	2.69%	0.177%
65	17.653	2668	2672	2676	rVB	106692	124338	10.14%	0.668%
66	17.700	2676	2680	2687	rBV2	125455	174256	14.21%	0.936%
67	17.812	2696	2699	2703	rBV	67058	76458	6.23%	0.411%
68	17.853	2703	2706	2712	rBV	57453	77863	6.35%	0.418%
69	17.995	2727	2730	2735	rVB7	20030	30909	2.52%	0.166%
70	18.065	2739	2742	2743	rBV2	17565	18214	1.48%	0.098%
71	18.106	2746	2749	2751	rBV4	18564	18062	1.47%	0.097%

LSC Area Percent Report

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Data File : BF095205.D
Acq On : 18 May 2017 2:01
Operator : SJ/MA
Sample : I3182-13 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 72-11932-72-11930-ETGI-338

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

72	18.253	2770	2774	2777	rVB	43701	54736	4.46%	0.294%
73	18.312	2781	2784	2787	rBV2	30563	33204	2.71%	0.178%
74	18.371	2790	2794	2796	rBV2	70315	89272	7.28%	0.480%
75	18.400	2796	2799	2802	rVB2	71183	77271	6.30%	0.415%
76	18.430	2802	2804	2808	rBV	47957	54971	4.48%	0.295%
77	18.471	2808	2811	2815	rVB3	39909	43497	3.55%	0.234%
78	18.506	2815	2817	2818	rBV2	18770	17179	1.40%	0.092%
79	18.524	2818	2820	2823	rVB	28354	29660	2.42%	0.159%
80	18.595	2829	2832	2837	rVB	30448	46046	3.75%	0.247%
81	18.689	2842	2848	2852	rBV2	674362	1107244	90.26%	5.948%
82	18.724	2852	2854	2862	rVV	311360	433447	35.33%	2.329%
83	18.824	2866	2871	2874	rVV4	55347	77482	6.32%	0.416%
84	18.906	2882	2885	2893	rBV5	33859	59175	4.82%	0.318%
85	19.018	2902	2904	2909	rVB5	28724	31717	2.59%	0.170%
86	19.200	2931	2935	2938	rVV	99274	123486	10.07%	0.663%
87	19.236	2939	2941	2945	rVB	78630	77110	6.29%	0.414%
88	19.353	2957	2961	2963	rBV4	45193	66360	5.41%	0.356%
89	19.800	3034	3037	3042	rBV2	44484	75327	6.14%	0.405%
90	19.959	3060	3064	3067	rBV	255525	372284	30.35%	2.000%
91	20.071	3081	3083	3087	rBV	54236	59305	4.83%	0.319%
92	20.253	3111	3114	3119	rVB	166737	166228	13.55%	0.893%
93	20.312	3121	3124	3130	rBV	235872	260440	21.23%	1.399%
94	20.371	3130	3134	3138	rBV	346923	435024	35.46%	2.337%
95	21.706	3357	3361	3368	rVB	74546	140233	11.43%	0.753%
96	22.094	3424	3427	3434	rVB3	75739	157266	12.82%	0.845%
97	22.653	3520	3522	3525	rBV4	18199	22430	1.83%	0.120%
98	22.806	3546	3548	3553	rBV6	19298	29238	2.38%	0.157%
99	23.035	3585	3587	3589	rBV3	16907	17616	1.44%	0.095%
100	23.506	3666	3667	3671	rBV4	14313	20487	1.67%	0.110%

Sum of corrected areas: 18614594

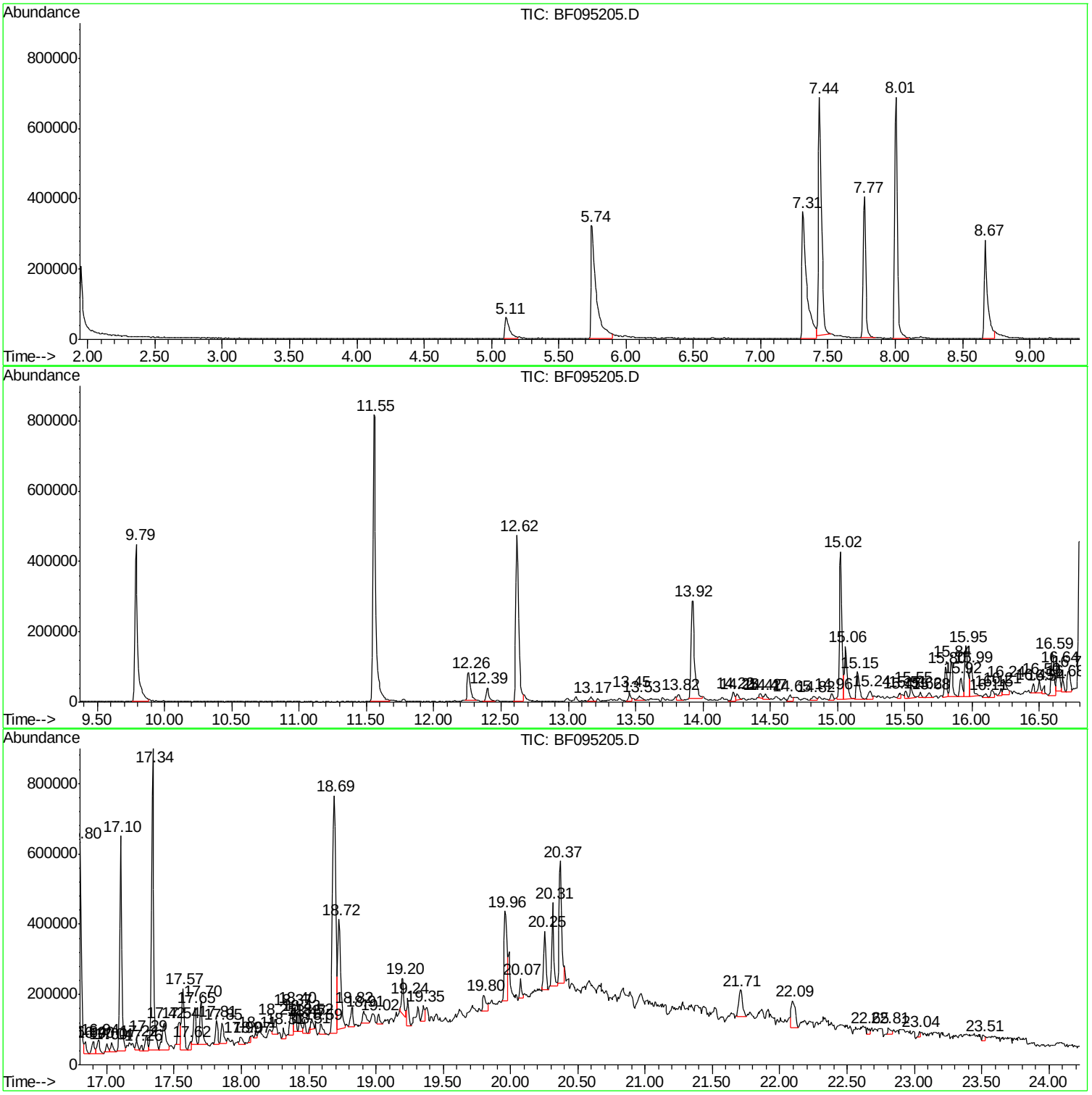
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051717\
Data File : BF095205.D
Acq On : 18 May 2017 2:01
Operator : SJ/MA
Sample : I3182-13 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 72-11932-72-11930-ETGI-338

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051717\
Data File : BF095205.D
Acq On : 18 May 2017 2:01
Operator : SJ/MA
Sample : I3182-13 2X
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Instrument :
BNA_F
ClientSampleId :
72-11932-72-11930-ETGI-338

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

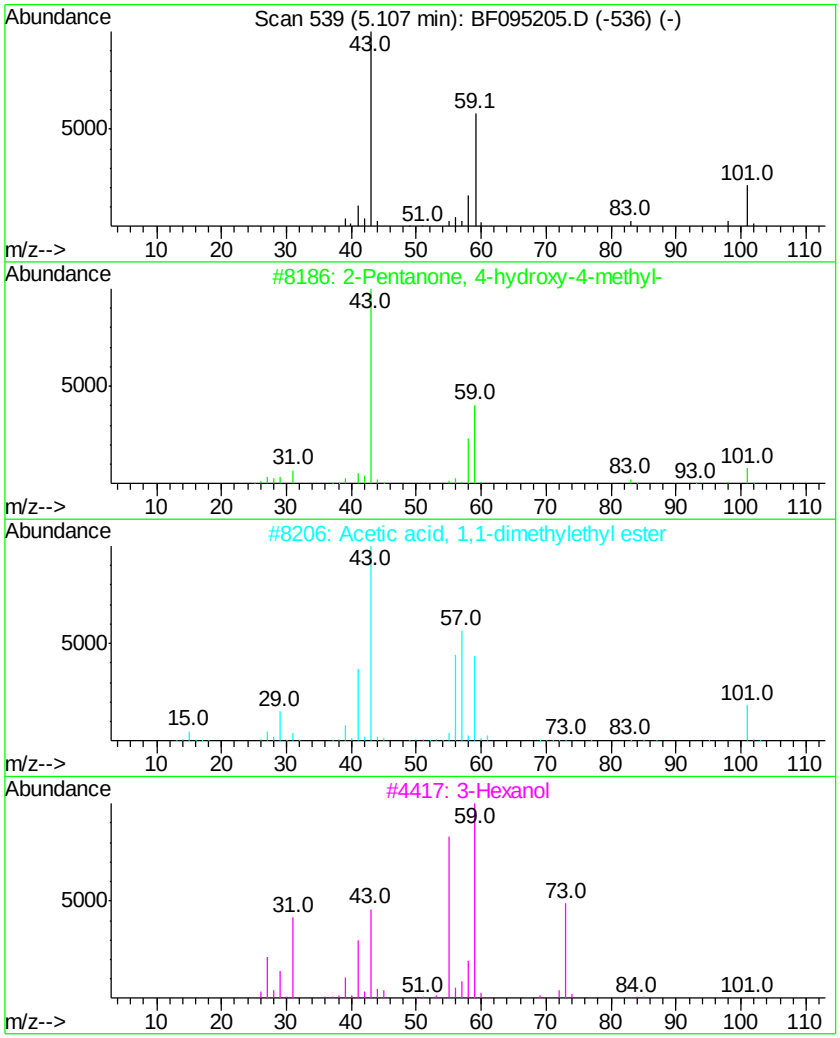
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

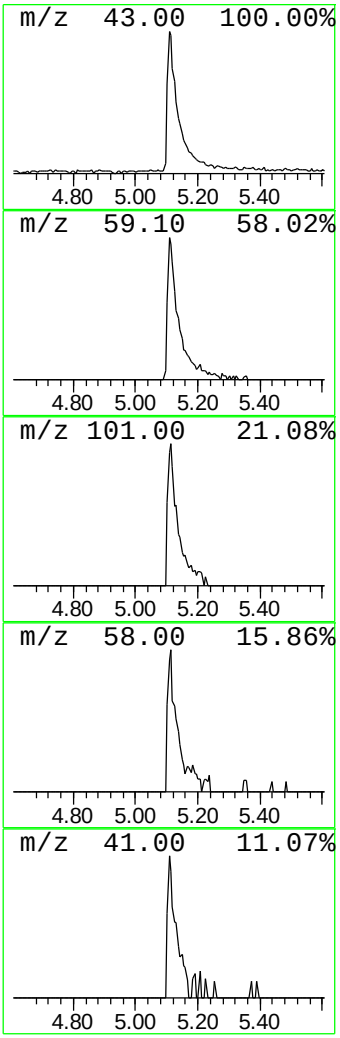
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.11	5.43 ng	135087	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	56
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	3-Hexanol	102	C6H14O	000623-37-0	28
4	1,8-Nonanediol, 8-methyl-	174	C10H22O2	054725-73-4	23
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF051717\
Data File : BF095205.D
Acq On : 18 May 2017 2:01
Operator : SJ/MA
Sample : I3182-13 2X
Misc :
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Instrument :
BNA_F
ClientSampleId :
72-11932-72-11930-ETGI-338

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

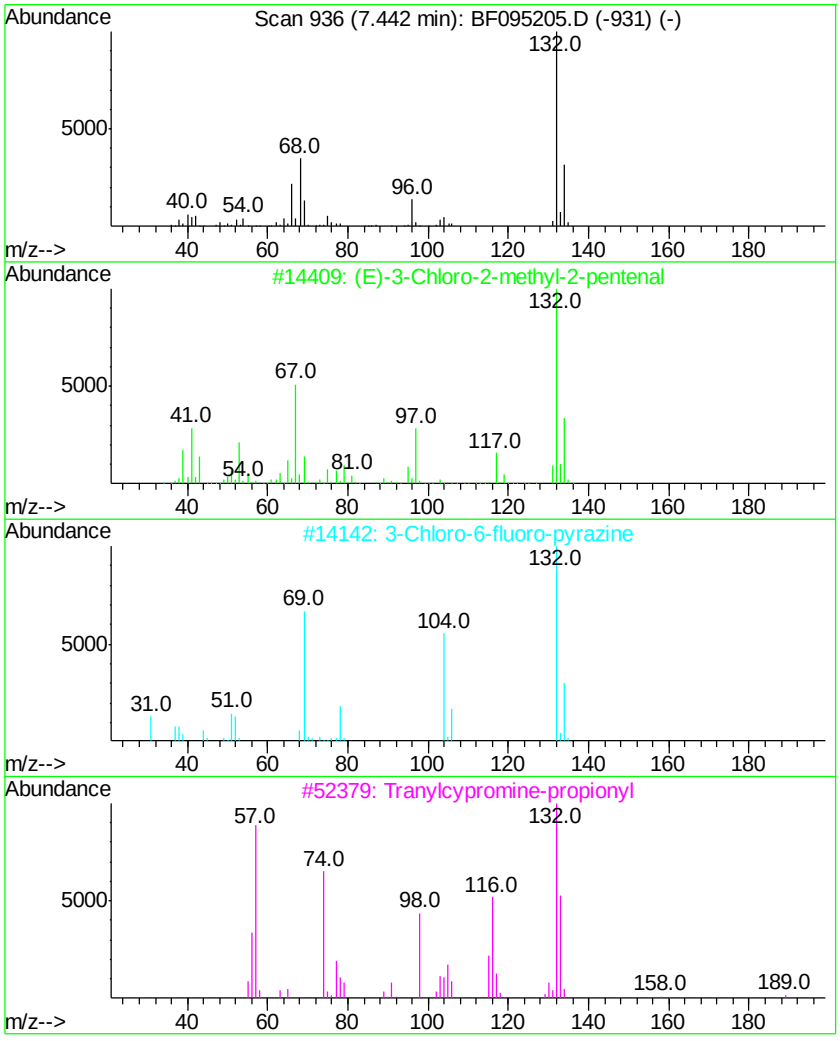
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

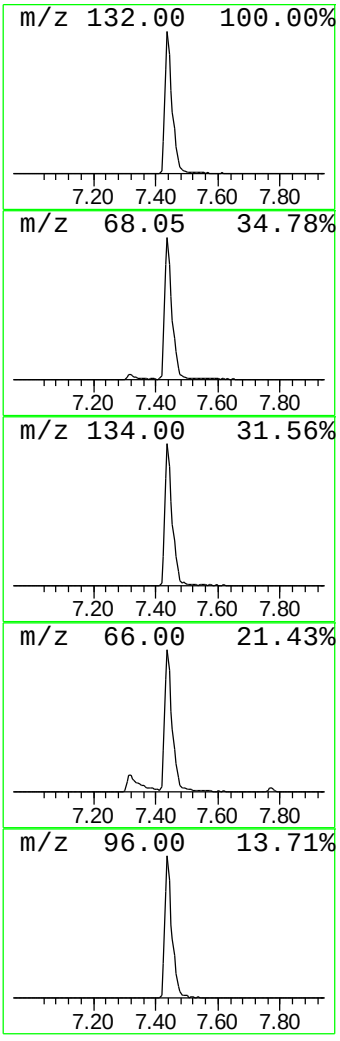
****

Peak Number 2 unknown7.44 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.44	44.45 ng	1106030	1,4-Dichlorobenzene-d4	7.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	35
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





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

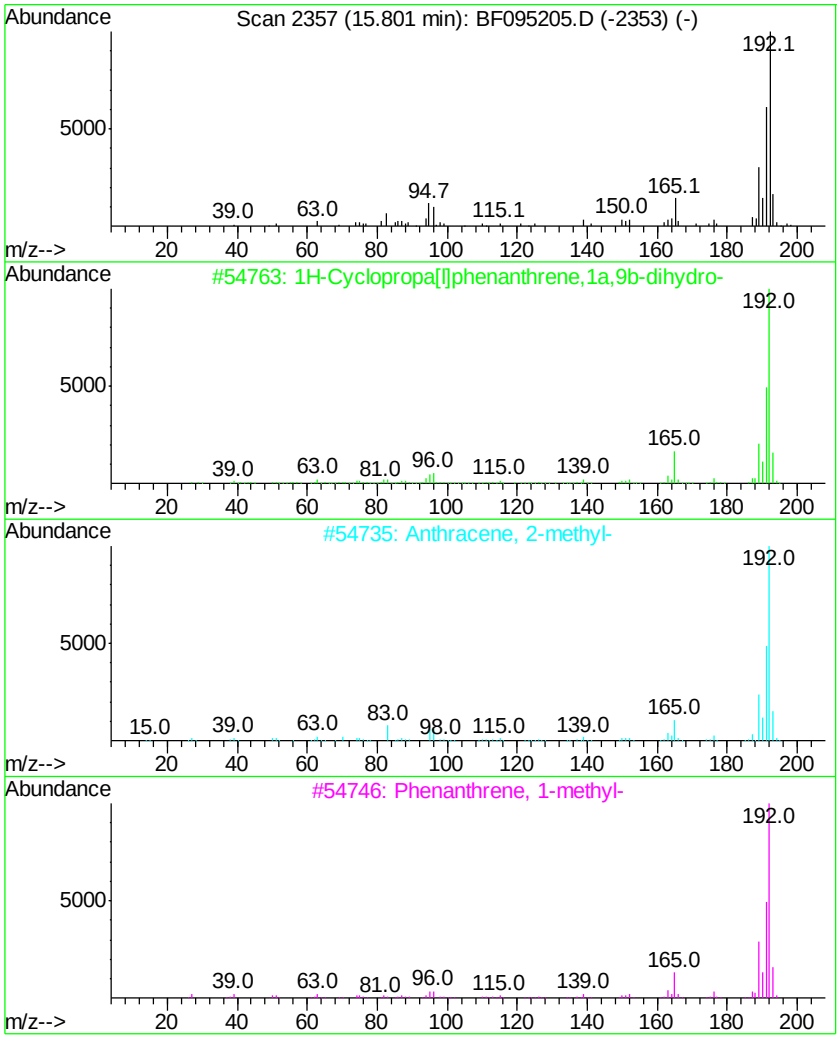
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

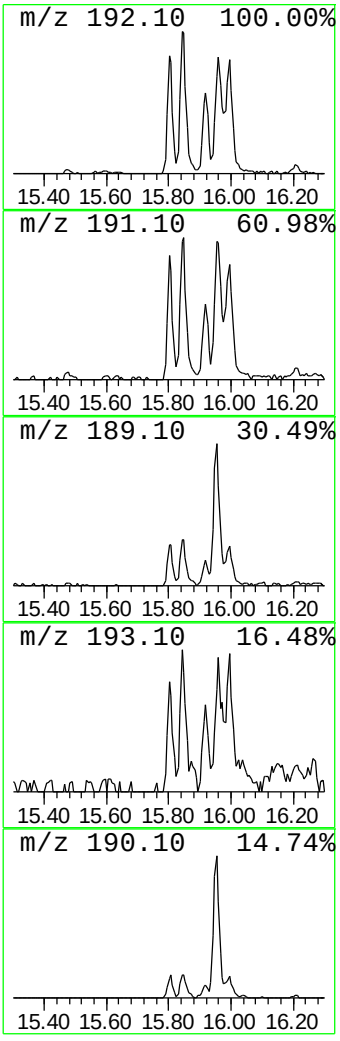
****

Peak Number 4 1H-Cyclopropa[l]phenanthren... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.80	3.74 ng	100887	Phenanthrene-d10	15.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





Data Path : Z:\HPCHEM1\BNA F\DATA\BF051717\
Data File : BF095205.D
Acq On : 18 May 2017 2:01
Operator : SJ/MA
Sample : I3182-13 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 72-11932-72-11930-ETGI-338

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

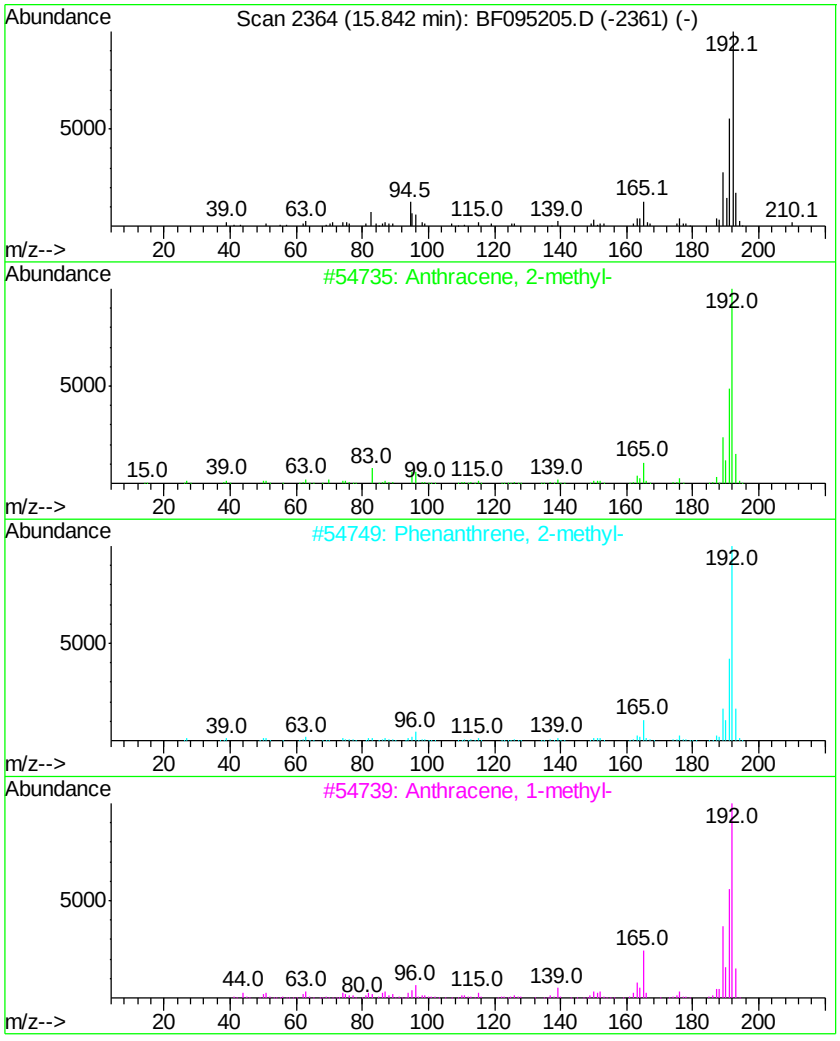
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

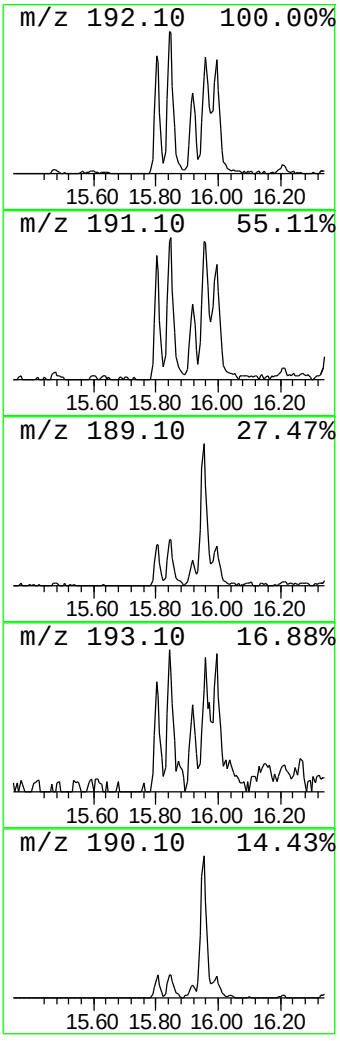
****

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.84	5.03 ng	135516	Phenanthrene-d10	15.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94





Data Path : Z:\HPCHEM1\BNA F\DATA\BF051717\
Data File : BF095205.D
Acq On : 18 May 2017 2:01
Operator : SJ/MA
Sample : I3182-13 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 72-11932-72-11930-ETGI-338

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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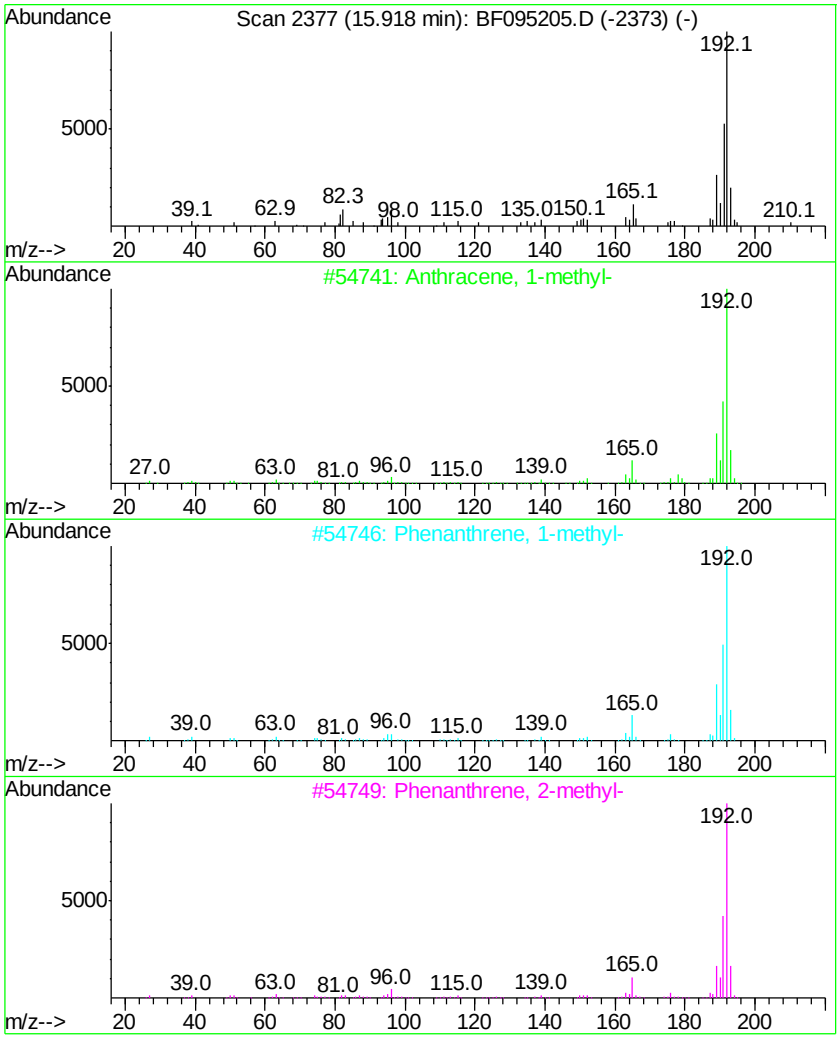
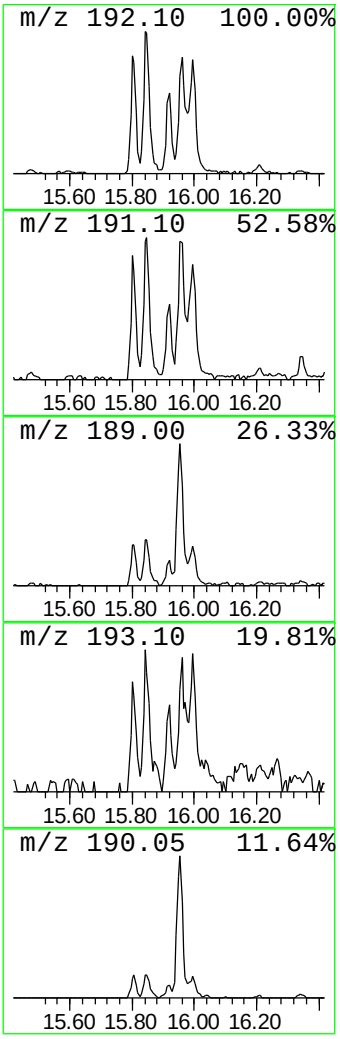
Peak Number 6 Anthracene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.92	2.47 ng	66553	Phenanthrene-d10	15.02

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	94
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Acq On : 18 May 2017 2:01
Operator : SJ/MA
Sample : I3182-13 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 72-11932-72-11930-ETGI-338

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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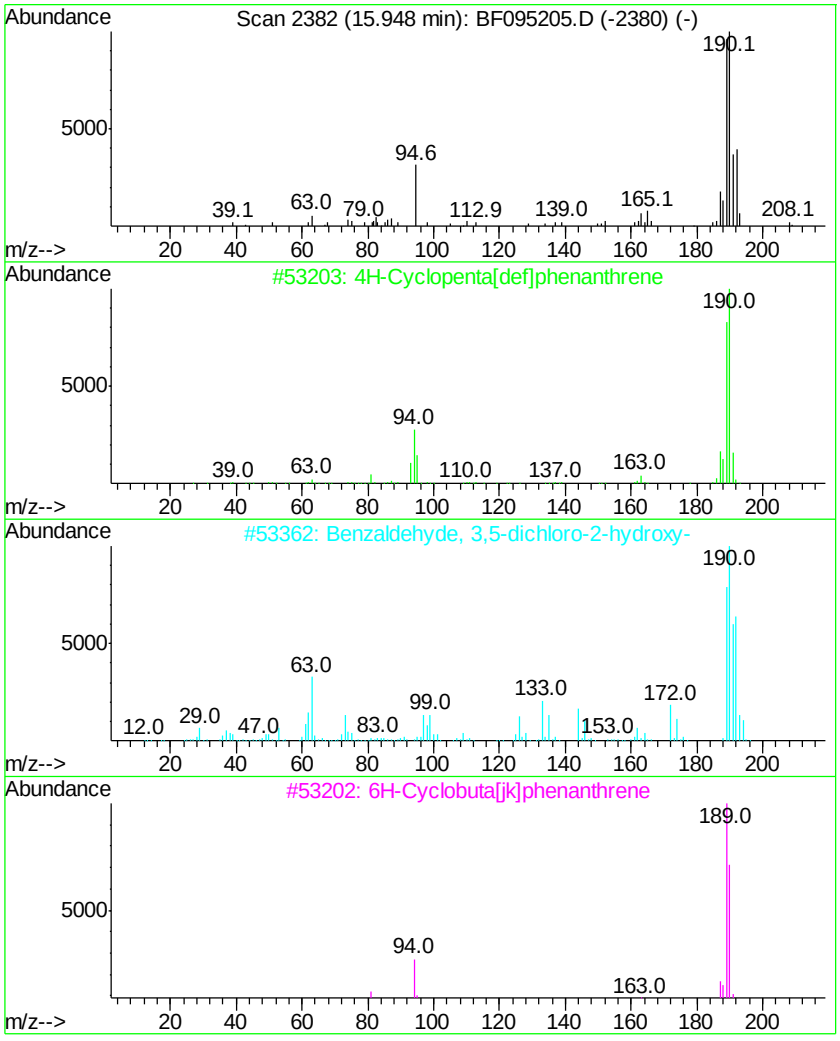
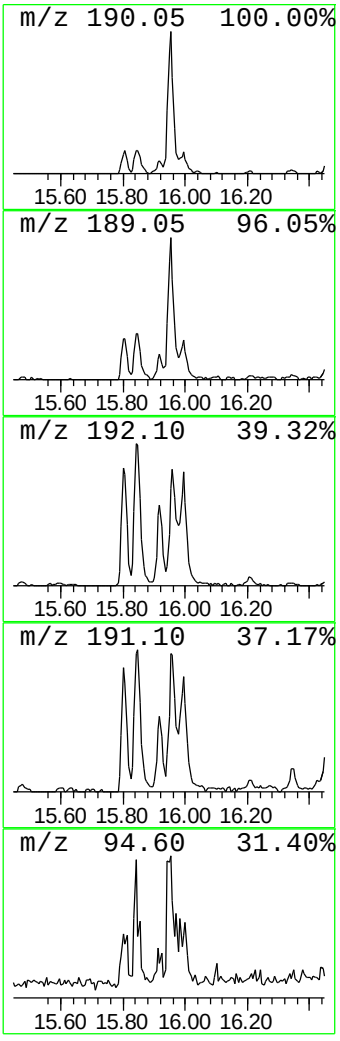
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.95	7.74 ng	208854	Phenanthrene-d10	15.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	91
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
4	8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	42
5	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	41





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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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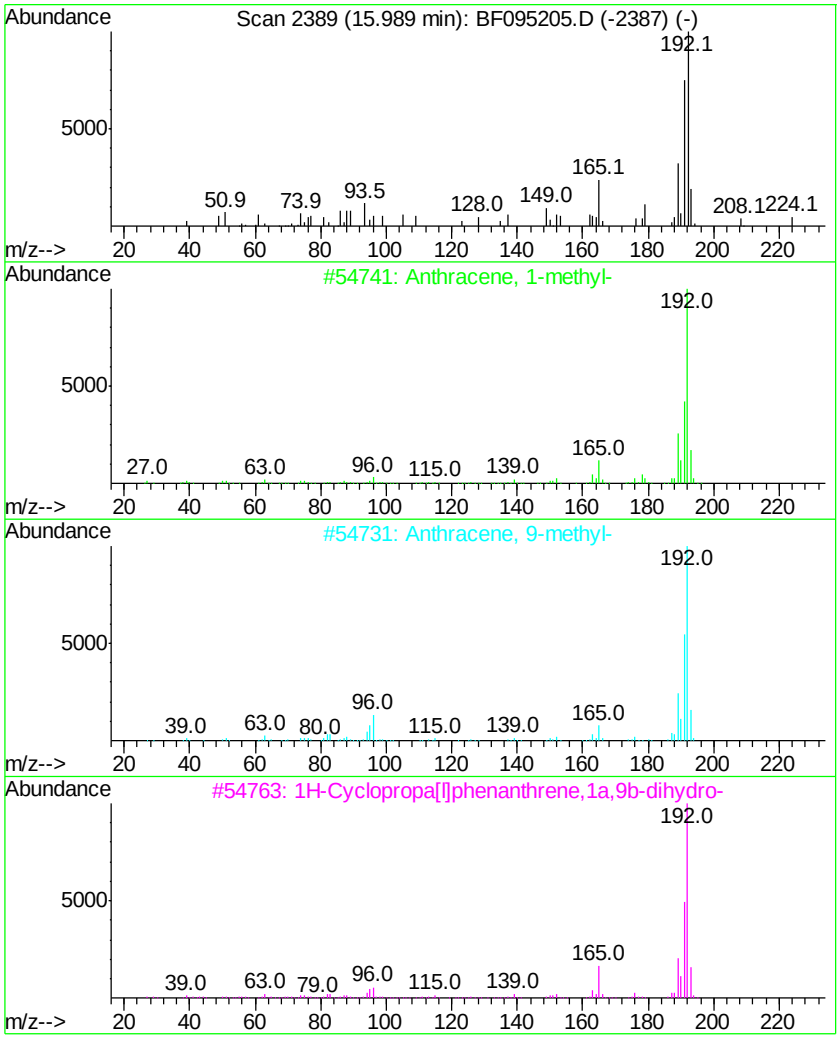
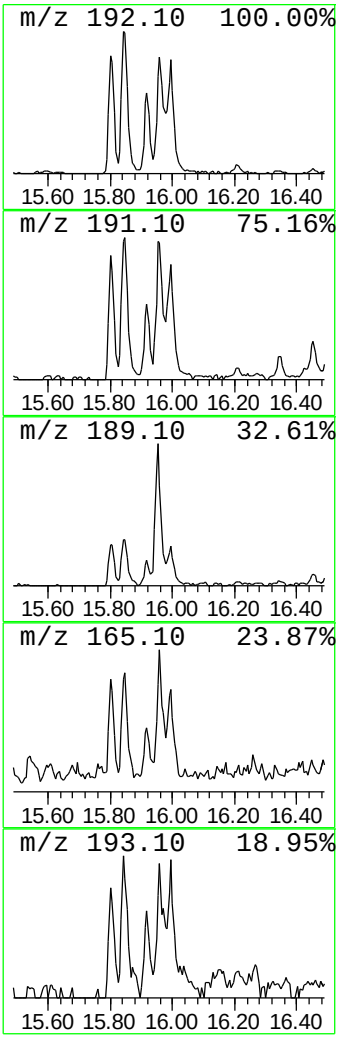
Peak Number 8 Anthracene, 9-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.99	4.89 ng	131779	Phenanthrene-d10	15.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	81
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	76
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	76
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	76





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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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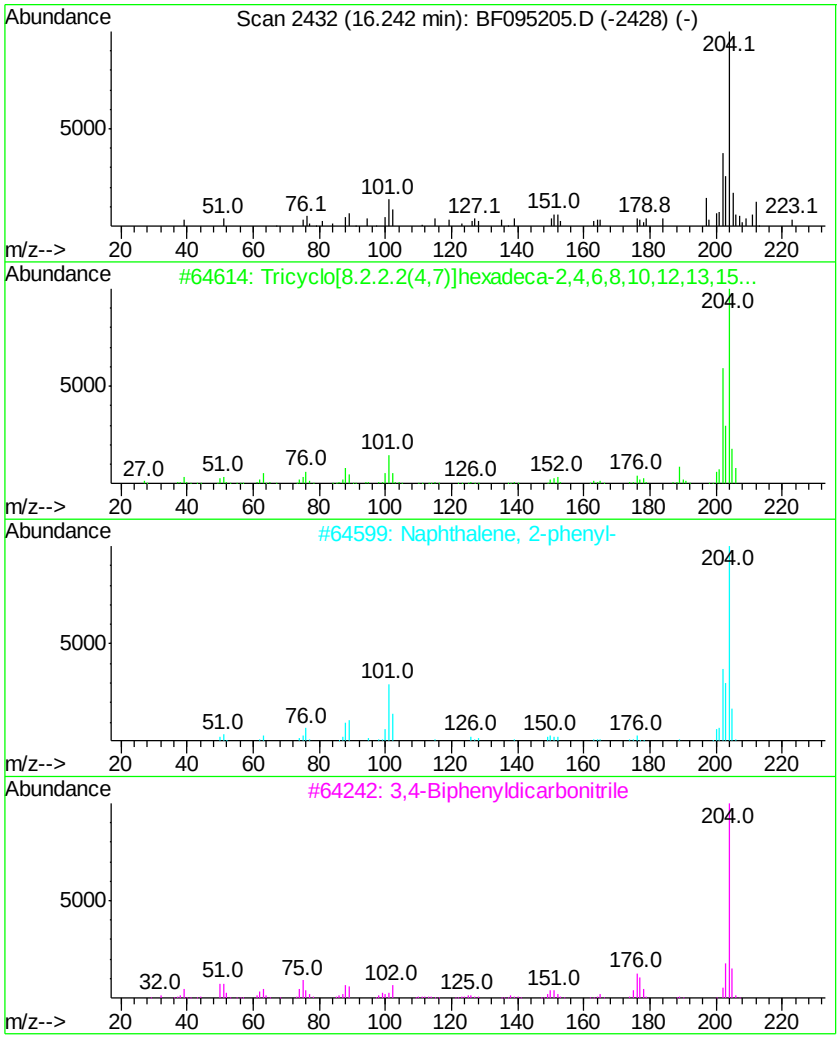
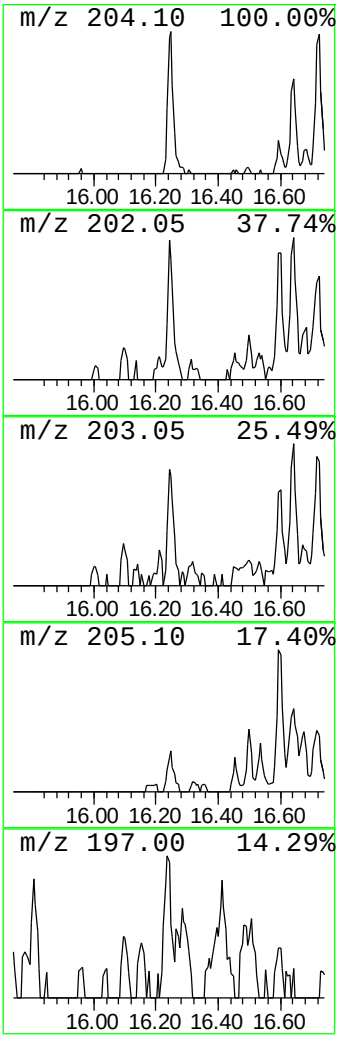
Peak Number 9 Tricyclo[8.2.2.2(4,7)]hexad... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.24	2.49 ng	67240	Phenanthrene-d10	15.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	83
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	58
4	Tetramisole	204	C11H12N2S	005036-02-2	52
5	1,2,4-Triazolo[2,3-c]thieno[3,2-...	204	C9H8N4S	113246-88-1	50





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ALS Vial : 19 Sample Multiplier: 1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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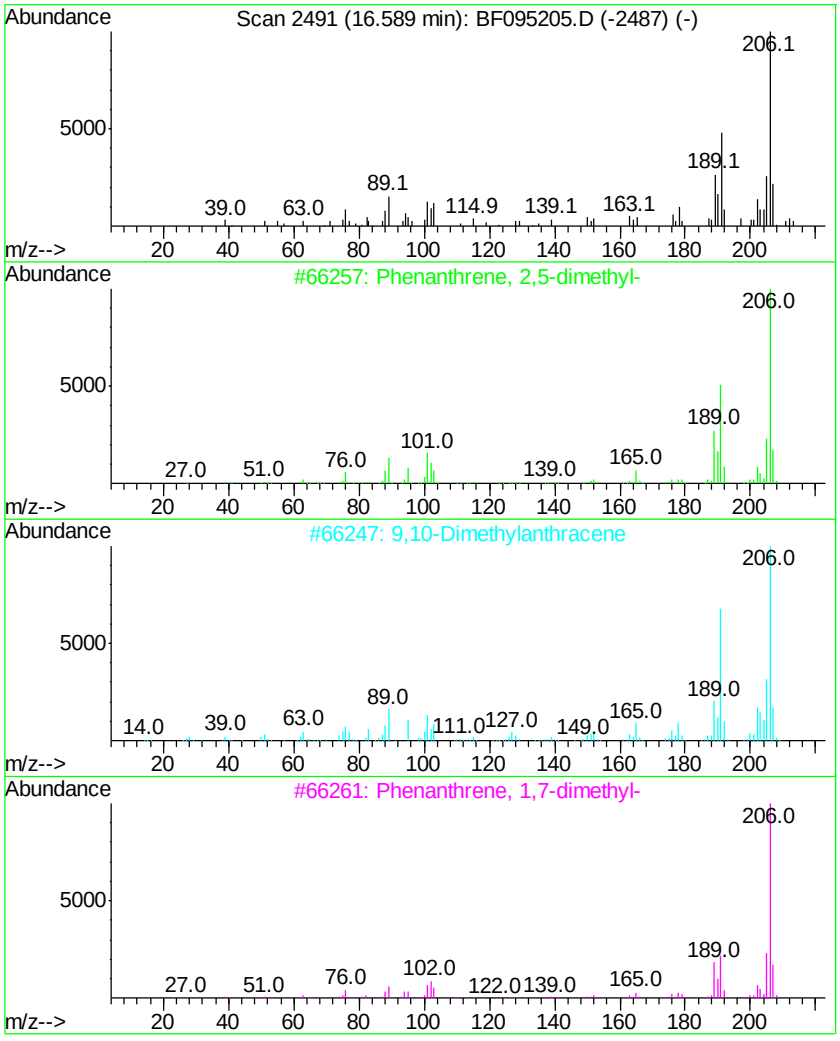
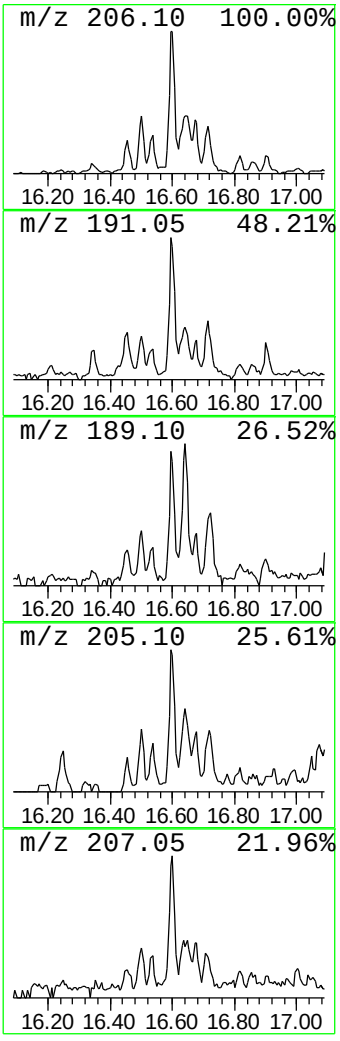
Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.59	6.10 ng	164411	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	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	93
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91





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Sample : I3182-13 2X
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ALS Vial : 19 Sample Multiplier: 1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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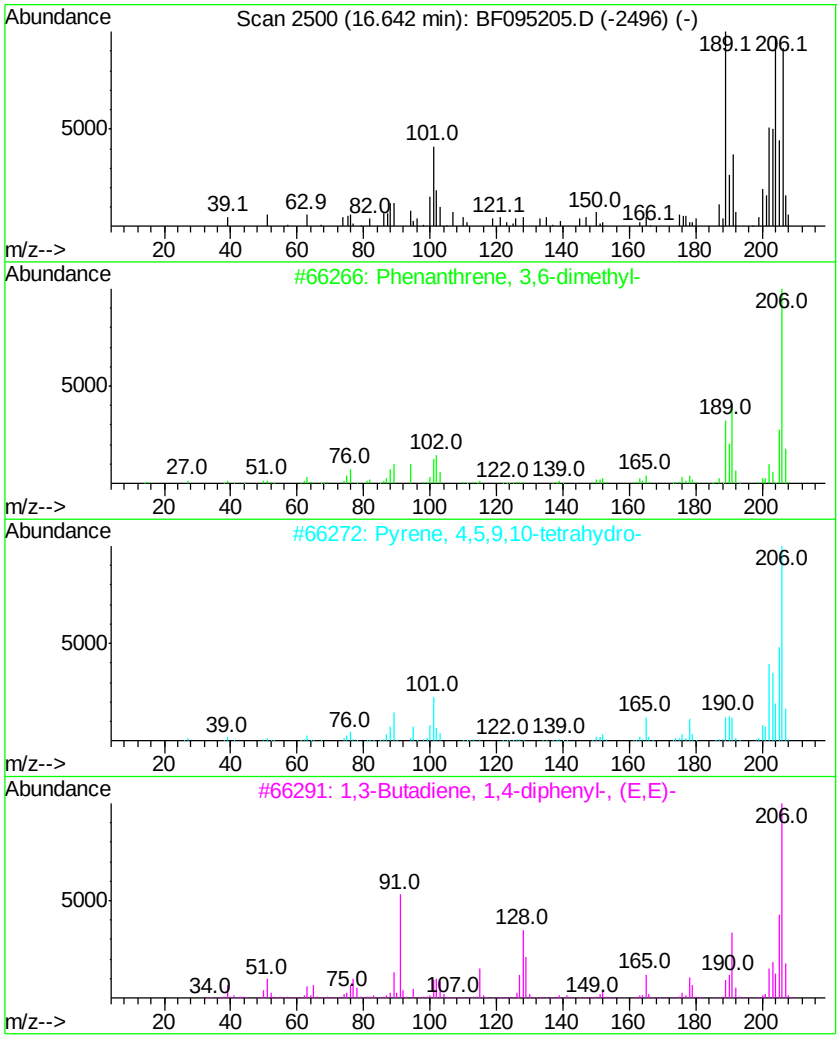
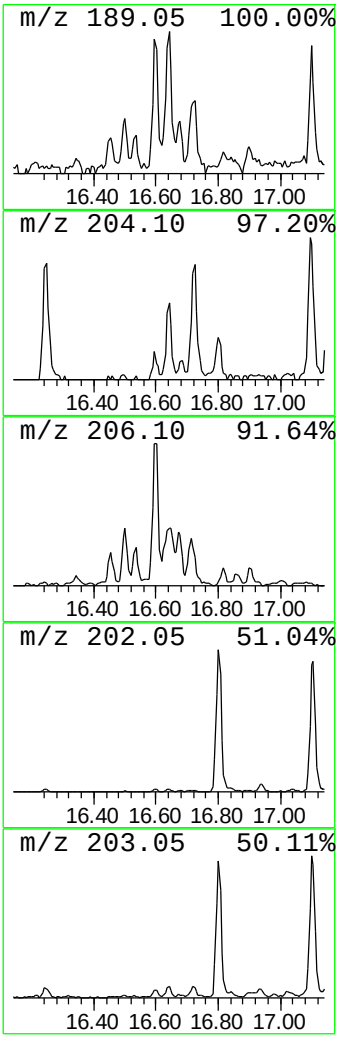
Peak Number 11 Phenanthrene, 3,6-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.64	3.70 ng	99834	Phenanthrene-d10	15.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	52
2	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	46
3	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	30
4	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	30
5	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	25





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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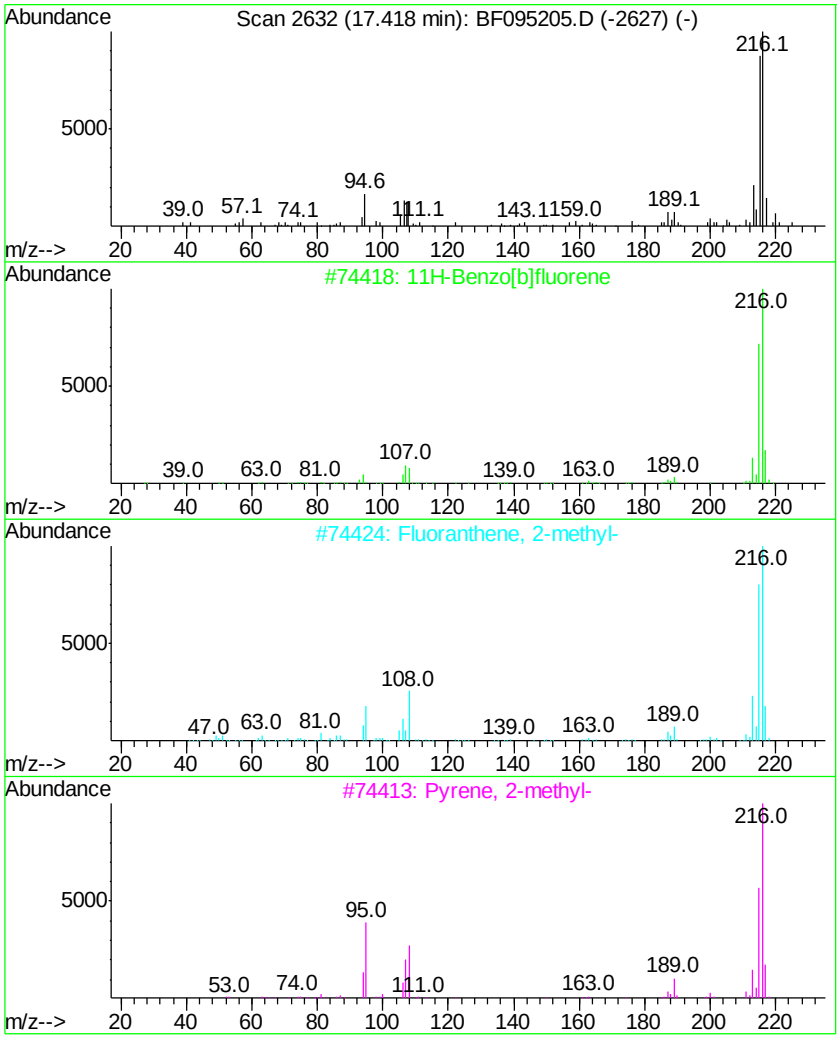
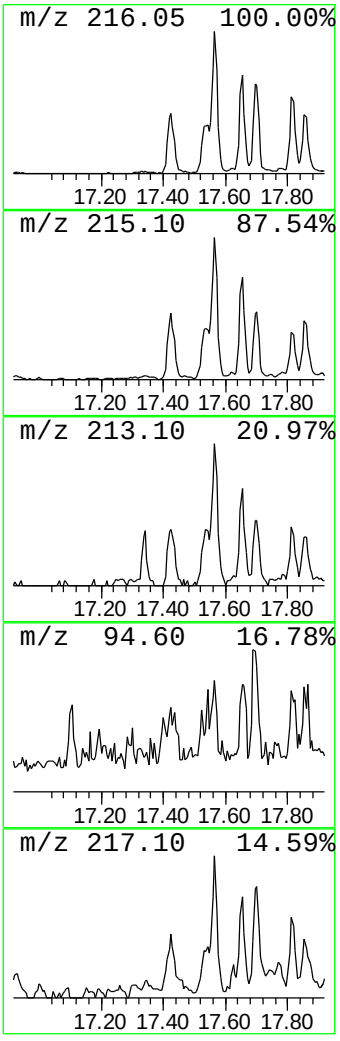
Peak Number 13 11H-Benzo[b]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.42	2.86 ng	158386	Chrysene-d12	18.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	74
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	70





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Misc :
ALS Vial : 19 Sample Multiplier: 1

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

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

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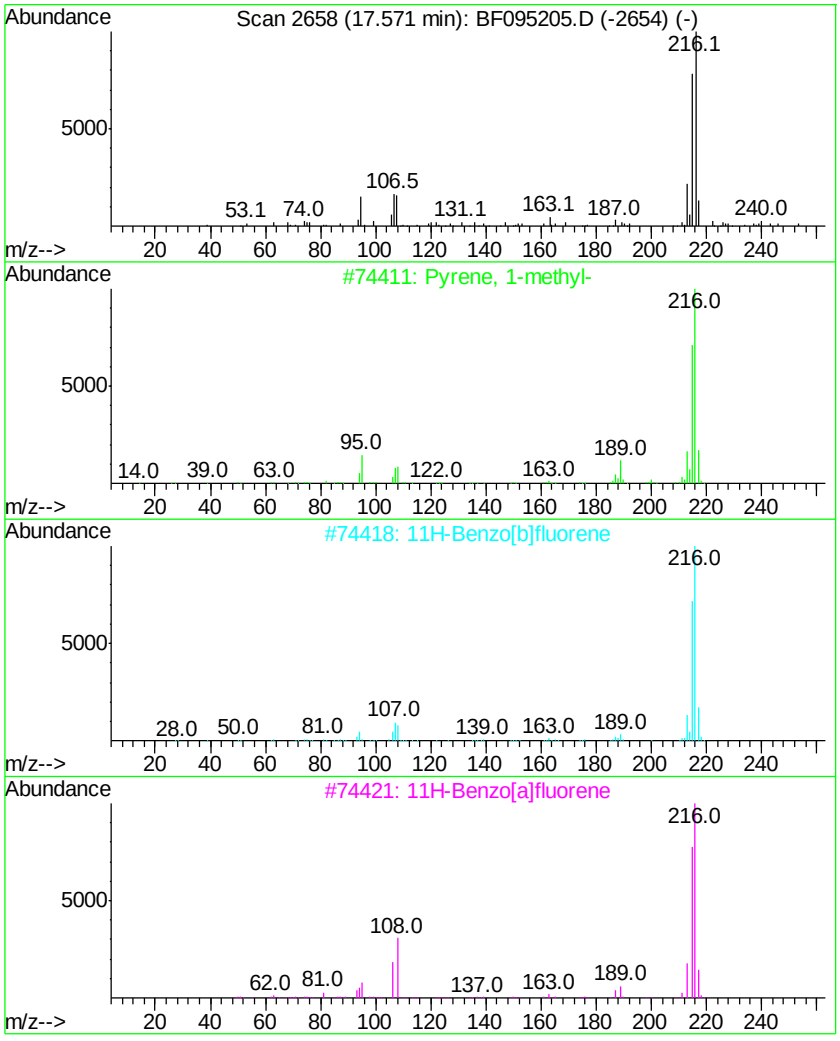
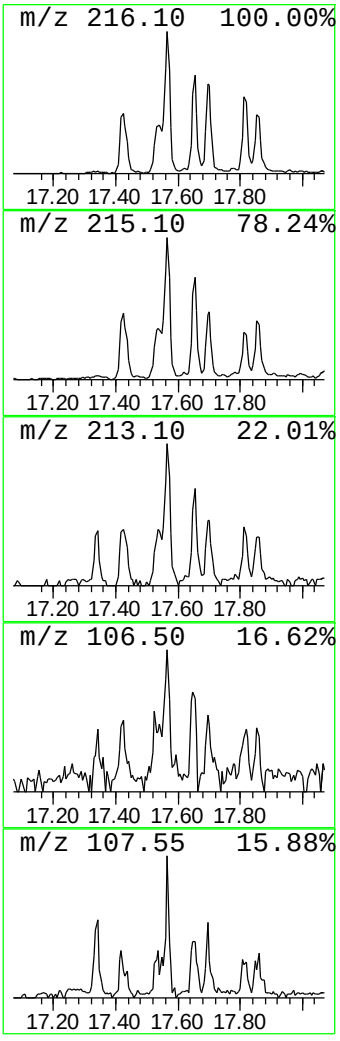
Peak Number 14 Pyrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.57	3.62 ng	200677	Chrysene-d12	18.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	78
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	74





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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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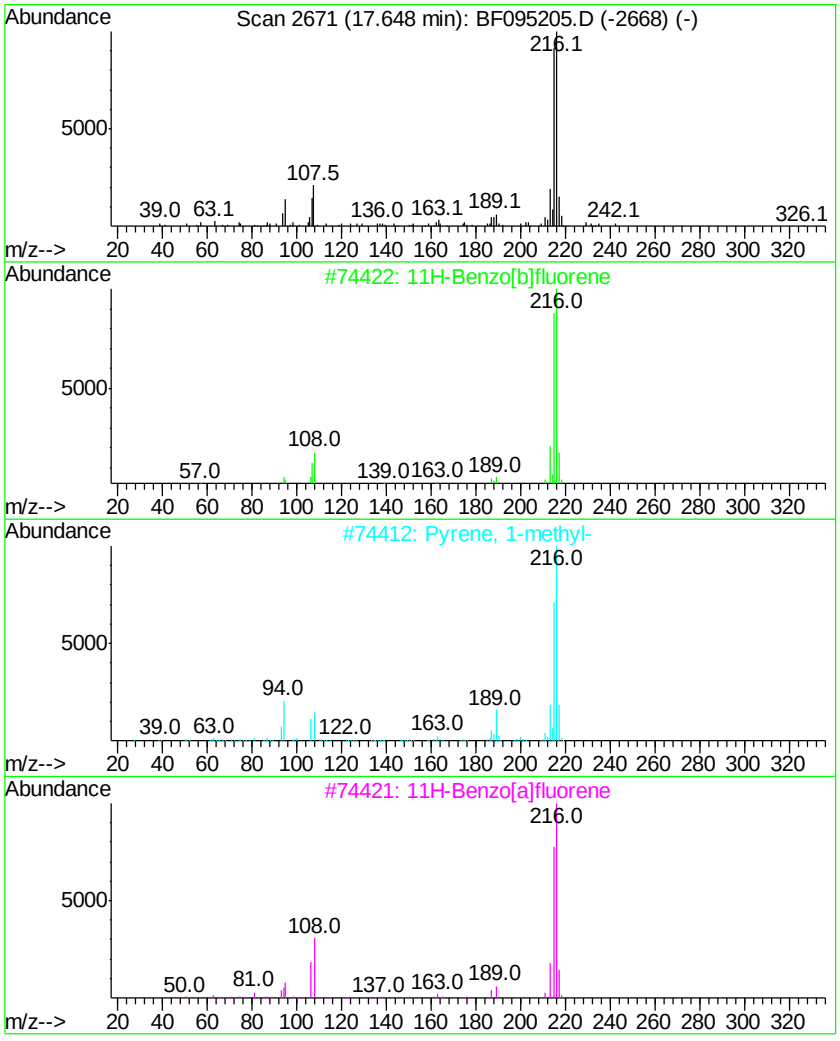
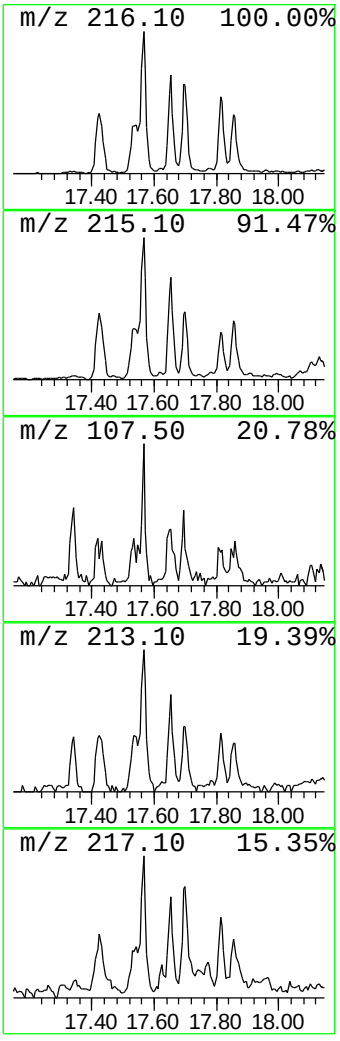
Peak Number 15 Fluoranthene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.65	2.25 ng	124338	Chrysene-d12	18.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	74
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64





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

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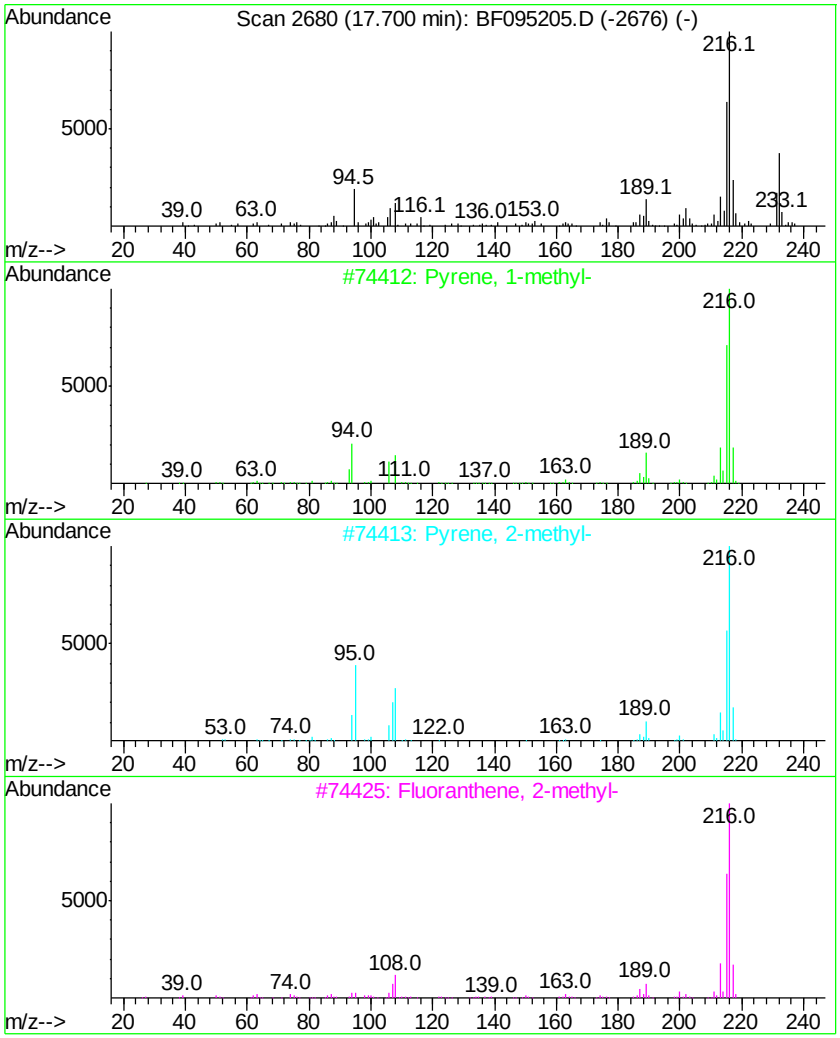
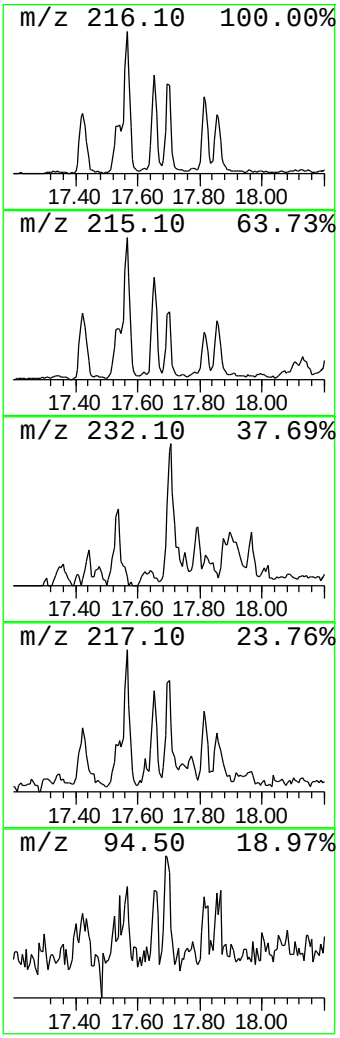
Peak Number 16 Pyrene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.70	3.15 ng	174256	Chrysene-d12	18.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	58





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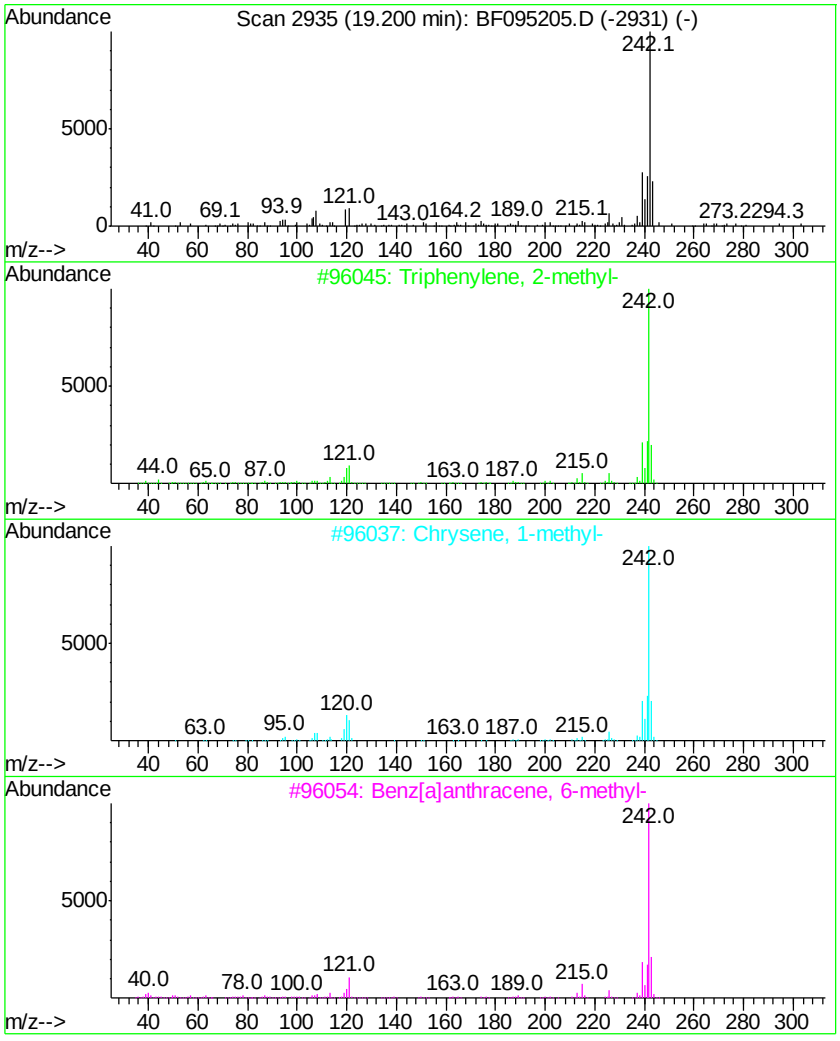
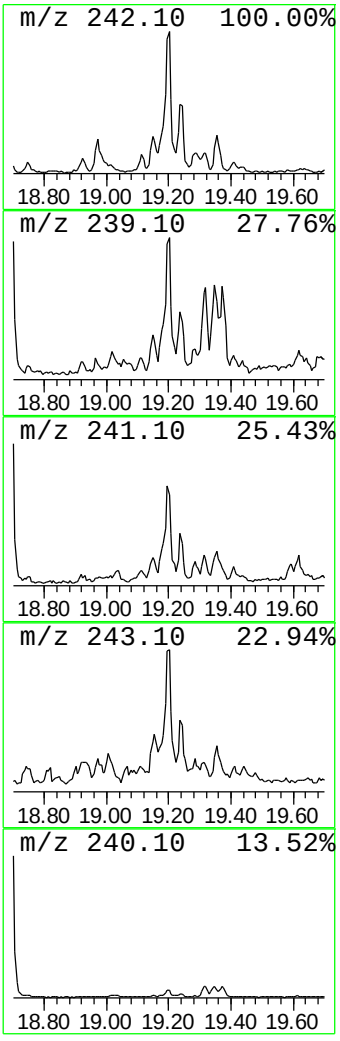
Peak Number 17 Triphenylene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.20	2.23 ng	123486	Chrysene-d12	18.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	91
2	Chrysene, 1-methyl-	242	C19H14	003351-28-8	89
3	Benz[a]anthracene, 6-methyl-	242	C19H14	000316-14-3	83
4	Chrysene, 5-methyl-	242	C19H14	003697-24-3	81
5	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	81





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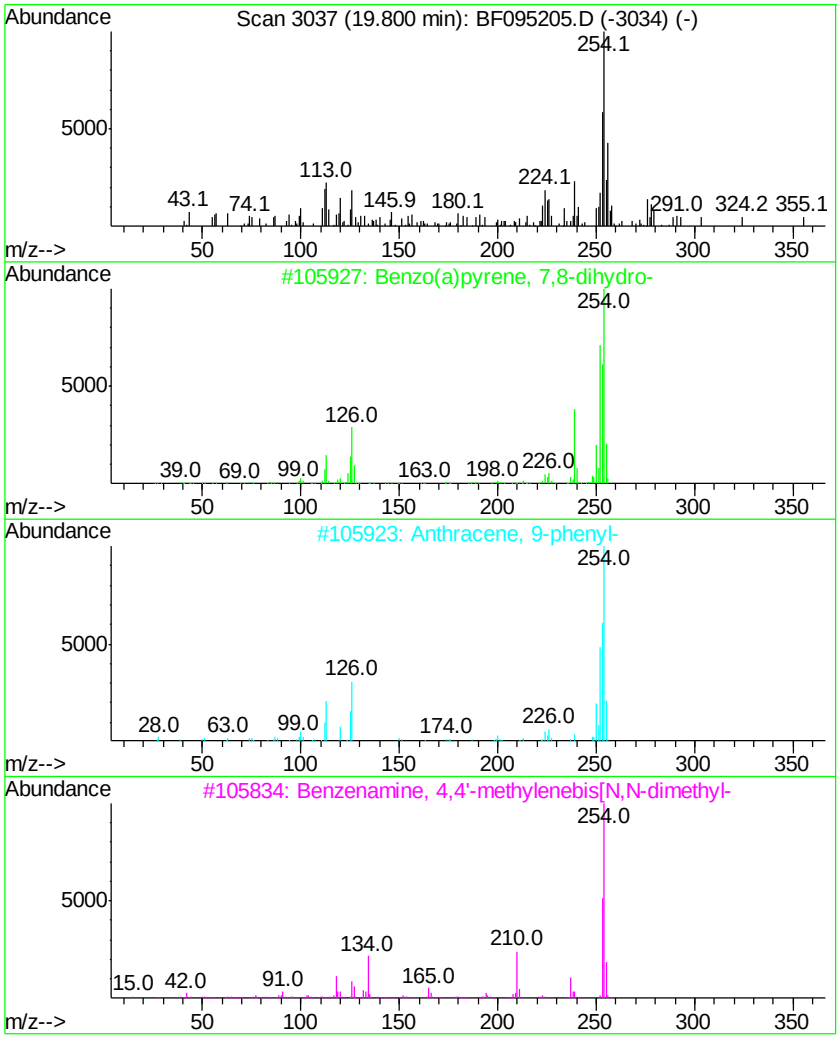
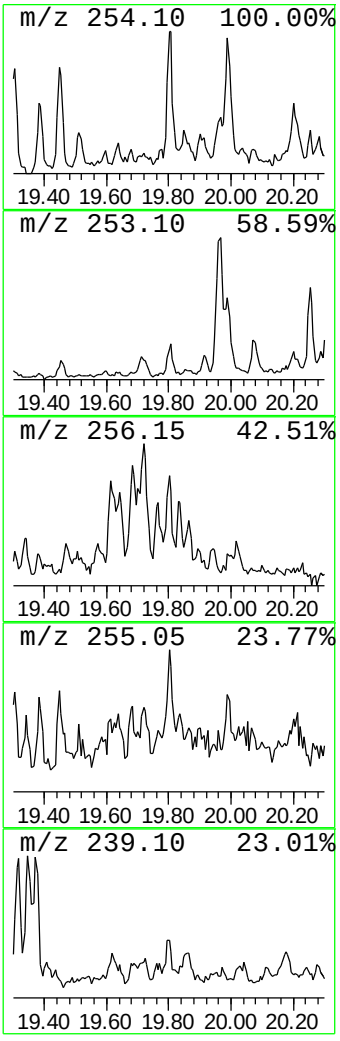
Peak Number 18 Benzo(a)pyrene, 7,8-dihydro- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.80	3.46 ng	75327	Perylene-d12	20.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo(a)pyrene, 7,8-dihydro-	254	C20H14	017573-23-8	60
2	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	53
3	Benzenamine, 4,4'-methylenebis[N...	254	C17H22N2	000101-61-1	53
4	6,6'-Biazulene,	254	C20H14	073393-11-0	49
5	Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	49





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ALS Vial : 19 Sample Multiplier: 1

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

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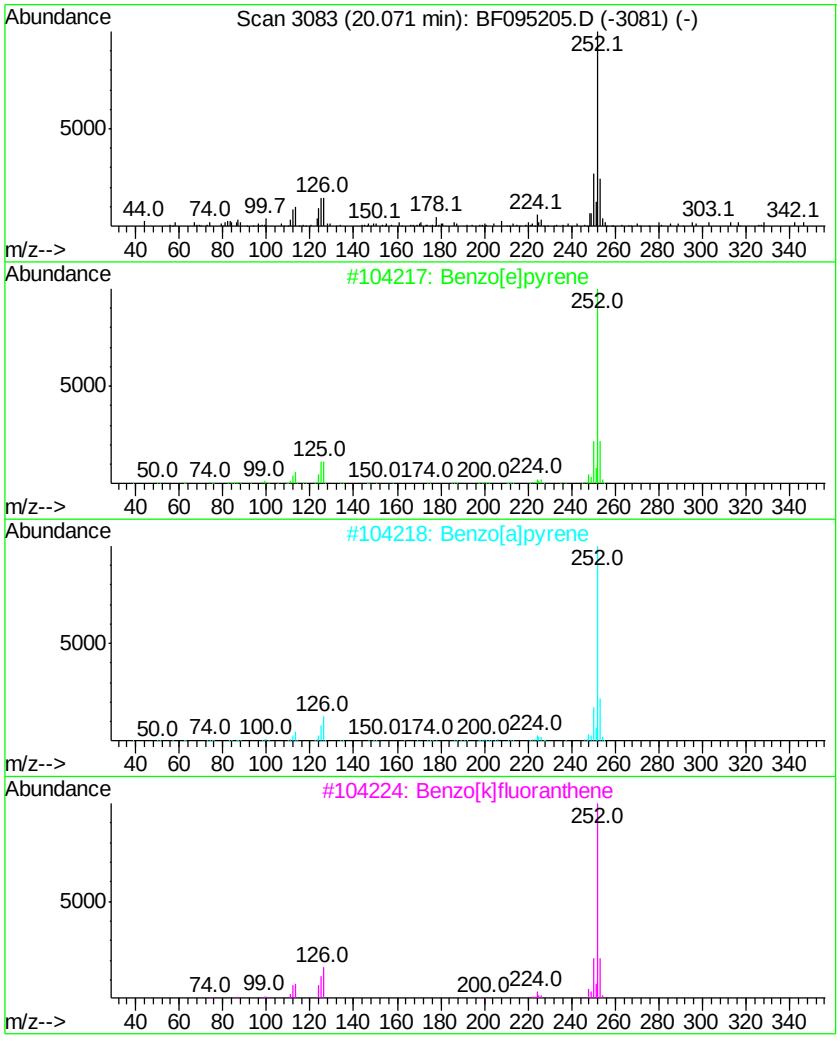
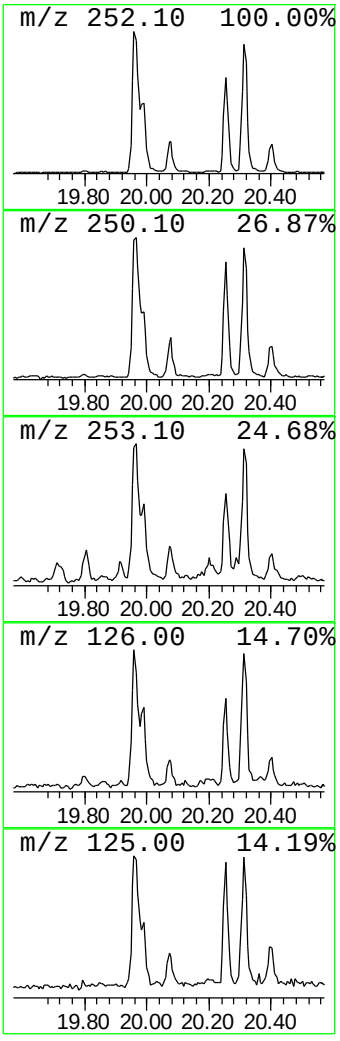
Peak Number 19 Benzo[e]pyrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.07	2.73 ng	59305	Perylene-d12	20.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[a]pyrene	252	C20H12	000050-32-8	94
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5	Perylene	252	C20H12	000198-55-0	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051717\
Data File : BF095205.D
Acq On : 18 May 2017 2:01
Operator : SJ/MA
Sample : I3182-13 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 72-11932-72-11930-ETGI-338

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...	5.11	5.4	ng	135087	1	7.77	497620	20.0
unknown7.44	7.44	44.5	ng	1106030	1	7.77	497620	20.0
1H-Cyclopropa[l]p...	15.80	3.7	ng	100887	4	15.02	539349	20.0
Anthracene, 2-met...	15.84	5.0	ng	135516	4	15.02	539349	20.0
Anthracene, 1-met...	15.92	2.5	ng	66553	4	15.02	539349	20.0
4H-Cyclopenta[def...	15.95	7.7	ng	208854	4	15.02	539349	20.0
Anthracene, 9-met...	15.99	4.9	ng	131779	4	15.02	539349	20.0
Tricyclo[8.2.2.2(...	16.24	2.5	ng	67240	4	15.02	539349	20.0
Phenanthrene, 2,5...	16.59	6.1	ng	164411	4	15.02	539349	20.0
Phenanthrene, 3,6...	16.64	3.7	ng	99834	4	15.02	539349	20.0
11H-Benzo[b]fluorene	17.42	2.9	ng	158386	5	18.69	1107240	20.0
Pyrene, 1-methyl-	17.57	3.6	ng	200677	5	18.69	1107240	20.0
Fluoranthene, 2-m...	17.65	2.3	ng	124338	5	18.69	1107240	20.0
Pyrene, 2-methyl-	17.70	3.1	ng	174256	5	18.69	1107240	20.0
Triphenylene, 2-m...	19.20	2.2	ng	123486	5	18.69	1107240	20.0
Benzo(a)pyrene, 7...	19.80	3.5	ng	75327	6	20.37	435024	20.0
Benzo[e]pyrene	20.07	2.7	ng	59305	6	20.37	435024	20.0