LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060817\
Data File : BF095784.D
Acq On : 8 Jun 2017 15:32
Operator : SJ/MA
Sample : I3470-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : POSTEX-48-20170602

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	4.551	500	504	516	rBV	58140	139172	9.19%	0.758%
2	5.251	619	623	660	rBV	639642	1185664	78.29%	6.459%
3	6.928	903	908	920	rBV	798970	1199319	79.19%	6.534%
4	7.022	920	924	938	rVB	966291	1373946	90.72%	7.485%
5	7.369	978	983	996	rBV	278482	365406	24.13%	1.991%
6	7.604	1018	1023	1038	rBV	748922	962322	63.54%	5.243%
7	8.281	1133	1138	1158	rBV	550164	752289	49.67%	4.098%
8	9.398	1323	1328	1342	rBV	415857	515026	34.01%	2.806%
9	11.180	1624	1631	1643	rBV	1255052	1514545	100.00%	8.251%
10	11.869	1744	1748	1756	rBV	128848	164217	10.84%	0.895%
11	11.998	1767	1770	1779	rVB	19592	27531	1.82%	0.150%
12	12.222	1803	1808	1813	rBV2	433450	522351	34.49%	2.846%
13	12.275	1813	1817	1824	rVB3	40199	55374	3.66%	0.302%
14	13.080	1950	1954	1957	rBV2	28751	33211	2.19%	0.181%
15	13.121	1957	1961	1967	rVB2	24123	35586	2.35%	0.194%
16	13.439	2010	2015	2019	rVV5	9017	19065	1.26%	0.104%
17	13.516	2023	2028	2036	rVV	495653	647175	42.73%	3.526%
18	13.851	2081	2085	2095	rBV	29792	53735	3.55%	0.293%
19	14.016	2106	2113	2116	rBV3	11519	17967	1.19%	0.098%
20	14.345	2166	2169	2173	rBV	15037	17936	1.18%	0.098%
21	14.445	2183	2186	2193	rVB	19929	26298	1.74%	0.143%
22	14.586	2205	2210	2211	rBV	16118	21307	1.41%	0.116%
23	14.616	2211	2215	2218	rVV	378681	468258	30.92%	2.551%
24	14.651	2218	2221	2230	rVV	400728	481885	31.82%	2.625%
25	14.745	2230	2237	2242	rVB	45115	61357	4.05%	0.334%
26	15.151	2303	2306	2311	rVV2	21372	23084	1.52%	0.126%
27	15.286	2326	2329	2334	rVB4	13158	20747	1.37%	0.113%
28	15.421	2347	2352	2355	rBV	113147	132433	8.74%	0.721%
29	15.463	2355	2359	2364	rVV	127067	154501	10.20%	0.842%
30	15.533	2368	2371	2374	rVV2	23563	28521	1.88%	0.155%
31	15.574	2374	2378	2381	rVV2	119284	167001	11.03%	0.910%
32	15.615	2381	2385	2397	rVB2	88055	158879	10.49%	0.866%
33	15.868	2424	2428	2434	rBV	52656	69964	4.62%	0.381%
34	15.927	2434	2438	2443	rVV2	44507	59007	3.90%	0.321%

LSC Area Percent Report

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Acq On : 8 Jun 2017 15:32
Operator : SJ/MA
Sample : I3470-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : POSTEX-48-20170602

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	16.080	2461	2464	2468	rBV2	27287	37180	2.45%	0.203%
36	16.127	2468	2472	2476	rVV2	27979	36332	2.40%	0.198%
37	16.233	2485	2490	2493	rBV	85210	115610	7.63%	0.630%
38	16.274	2493	2497	2500	rVV2	45445	70456	4.65%	0.384%
39	16.310	2500	2503	2506	rVB	26941	24835	1.64%	0.135%
40	16.351	2506	2510	2514	rVB2	67861	90333	5.96%	0.492%
41	16.433	2518	2524	2529	rBV	404667	499141	32.96%	2.719%
42	16.480	2529	2532	2536	rVB	22590	25438	1.68%	0.139%
43	16.533	2536	2541	2544	rBV3	31230	36704	2.42%	0.200%
44	16.568	2544	2547	2554	rVB2	23821	25242	1.67%	0.138%
45	16.627	2554	2557	2561	rBV3	16253	20974	1.38%	0.114%
46	16.674	2562	2565	2569	rBV4	27810	31787	2.10%	0.173%
47	16.733	2569	2575	2580	rVV	582330	628298	41.48%	3.423%
48	16.821	2586	2590	2593	rBV4	17414	28625	1.89%	0.156%
49	16.862	2593	2597	2601	rVB	24216	34173	2.26%	0.186%
50	16.933	2605	2609	2612	rBV2	28771	36373	2.40%	0.198%
51	16.992	2613	2619	2625	rVB	937629	1109147	73.23%	6.043%
52	17.062	2625	2631	2635	rBV4	50911	78298	5.17%	0.427%
53	17.180	2643	2651	2652	rBV4	41992	75793	5.00%	0.413%
54	17.204	2652	2655	2661	rVB	59482	85345	5.64%	0.465%
55	17.292	2666	2670	2673	rVV	28700	32390	2.14%	0.176%
56	17.333	2673	2677	2685	rVV2	73896	134117	8.86%	0.731%
57	17.404	2686	2689	2692	rVV3	16999	25579	1.69%	0.139%
58	17.451	2693	2697	2700	rVV2	59458	65555	4.33%	0.357%
59	17.492	2700	2704	2711	rVB	48510	58453	3.86%	0.318%
60	17.845	2761	2764	2768	rBV2	28329	28344	1.87%	0.154%
61	17.892	2768	2772	2776	rVB	55165	65981	4.36%	0.359%
62	17.956	2780	2783	2785	rBV2	14307	15163	1.00%	0.083%
63	18.004	2785	2791	2794	rBV2	44301	65478	4.32%	0.357%
64	18.033	2794	2796	2800	rVV2	66331	75996	5.02%	0.414%
65	18.068	2800	2802	2805	rVV	22065	22110	1.46%	0.120%
66	18.104	2806	2808	2812	rVB2	23222	26988	1.78%	0.147%
67	18.168	2812	2819	2826	rVB2	51538	80730	5.33%	0.440%
68	18.245	2826	2832	2840	rBV5	86114	171652	11.33%	0.935%
69	18.327	2840	2846	2850	rVV2	456436	714879	47.20%	3.895%
70	18.362	2850	2852	2858	rVV	255827	296768	19.59%	1.617%
71	18.409	2858	2860	2864	rVV5	17649	23146	1.53%	0.126%

LSC Area Percent Report

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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : POSTEX-48-20170602

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

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

72	18.456	2864	2868	2872	rVB3	31896	41064	2.71%	0.224%
73	18.551	2880	2884	2886	rBV4	16957	23430	1.55%	0.128%
74	18.662	2899	2903	2908	rVB3	40263	58262	3.85%	0.317%
75	18.786	2922	2924	2928	rBV4	16420	20492	1.35%	0.112%
76	18.833	2928	2932	2936	rVV	68655	89764	5.93%	0.489%
77	18.880	2936	2940	2944	rVB	46935	50403	3.33%	0.275%
78	18.921	2944	2947	2949	rBV3	28707	34578	2.28%	0.188%
79	18.951	2949	2952	2955	rVB3	28653	32659	2.16%	0.178%
80	18.986	2955	2958	2961	rBV2	22818	31565	2.08%	0.172%
81	19.051	2967	2969	2973	rVB	28939	25546	1.69%	0.139%
82	19.156	2983	2987	2988	rBV4	11163	15998	1.06%	0.087%
83	19.262	3001	3005	3007	rBV5	20829	30557	2.02%	0.166%
84	19.351	3018	3020	3026	rVB7	19009	26723	1.76%	0.146%
85	19.421	3029	3032	3033	rVV3	19999	22794	1.51%	0.124%
86	19.439	3033	3035	3039	rVV2	33985	44181	2.92%	0.241%
87	19.486	3041	3043	3050	rVB7	20595	31081	2.05%	0.169%
88	19.598	3057	3062	3065	rBV	190498	263942	17.43%	1.438%
89	19.627	3065	3067	3072	rVB2	95456	97399	6.43%	0.531%
90	19.709	3078	3081	3085	rVB2	37747	34564	2.28%	0.188%
91	19.845	3099	3104	3107	rVB7	15926	27442	1.81%	0.150%
92	19.886	3107	3111	3115	rBV	139992	147021	9.71%	0.801%
93	19.945	3118	3121	3125	rVB	173588	168109	11.10%	0.916%
94	19.998	3126	3130	3134	rBV	307371	354542	23.41%	1.932%
95	20.274	3174	3177	3181	rBV6	20073	30489	2.01%	0.166%
96	21.174	3326	3330	3336	rVB	67039	104186	6.88%	0.568%
97	21.509	3382	3387	3392	rBV	47581	80141	5.29%	0.437%

Sum of corrected areas: 18355424

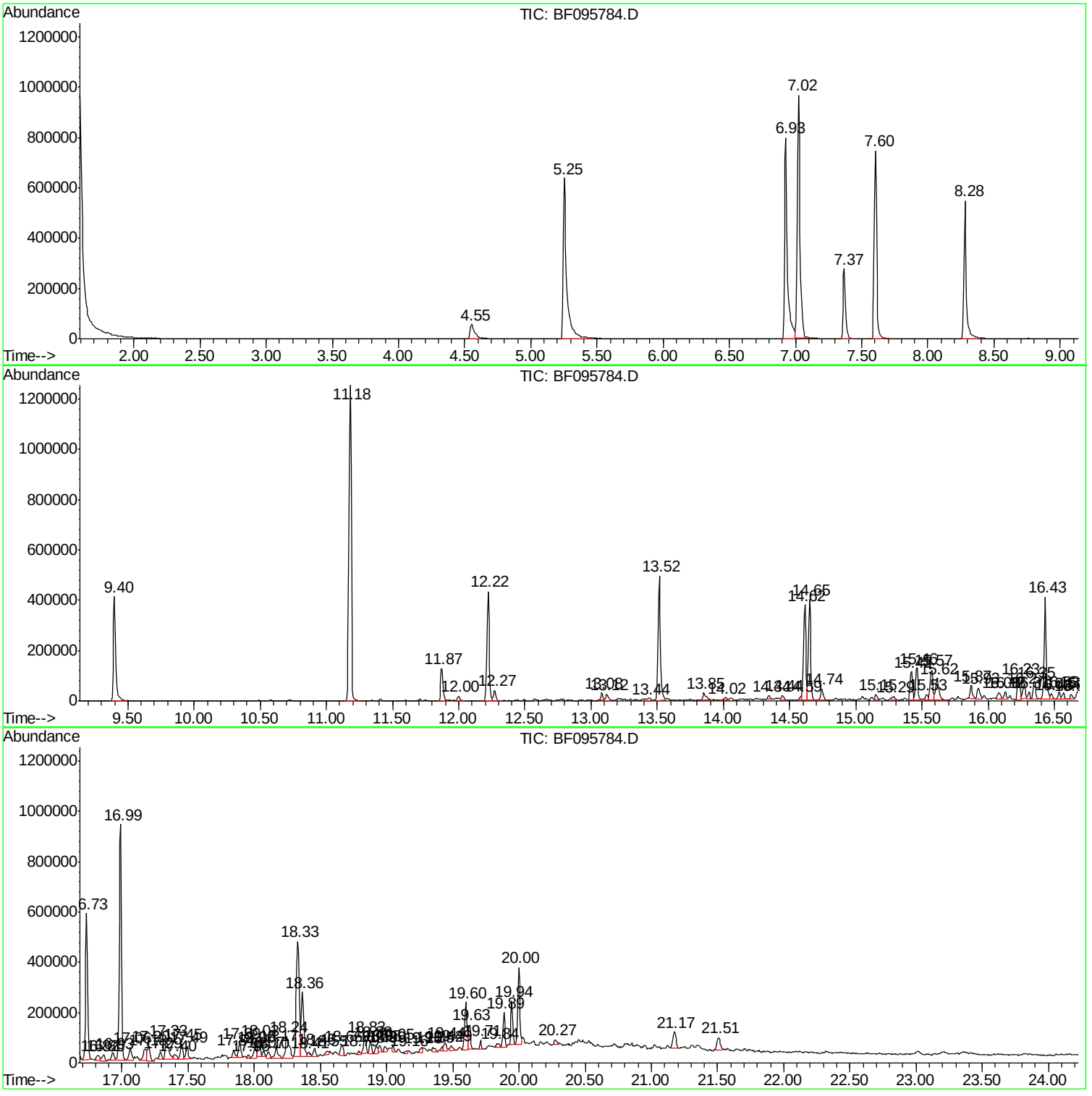
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060817\
Data File : BF095784.D
Acq On : 8 Jun 2017 15:32
Operator : SJ/MA
Sample : I3470-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : POSTEX-48-20170602

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\BF060817\
Data File : BF095784.D
Acq On : 8 Jun 2017 15:32
Operator : SJ/MA
Sample : I3470-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : POSTEX-48-20170602

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

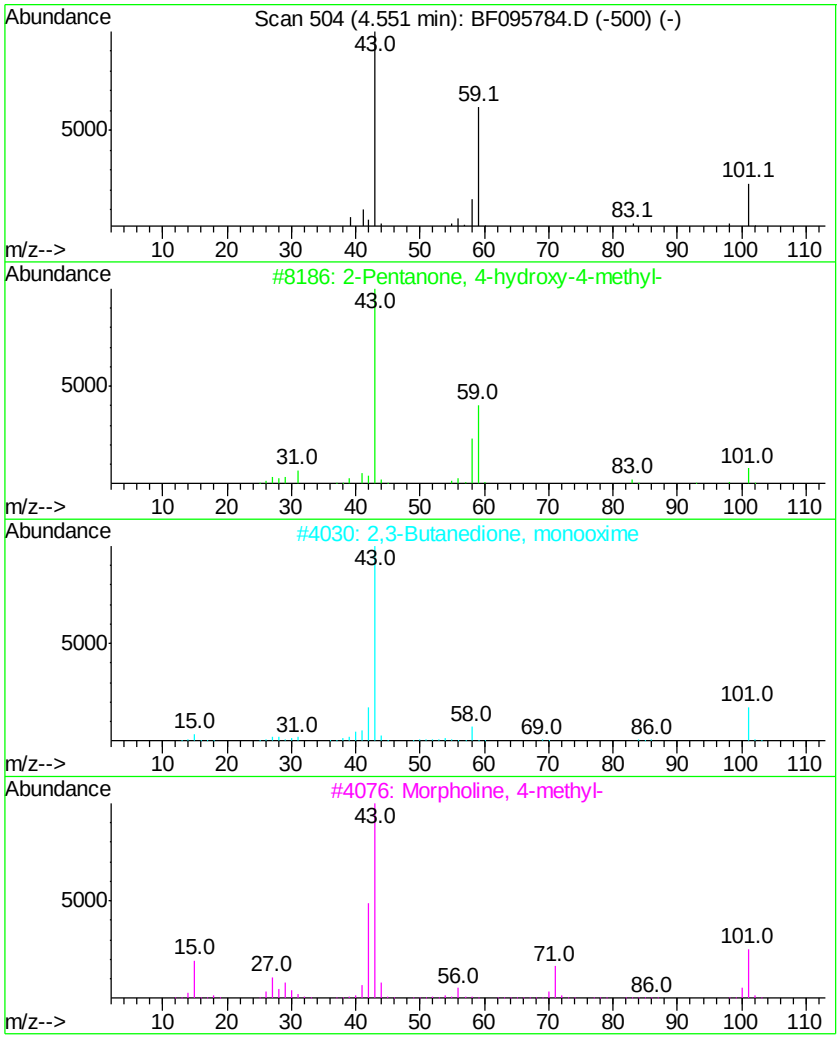
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

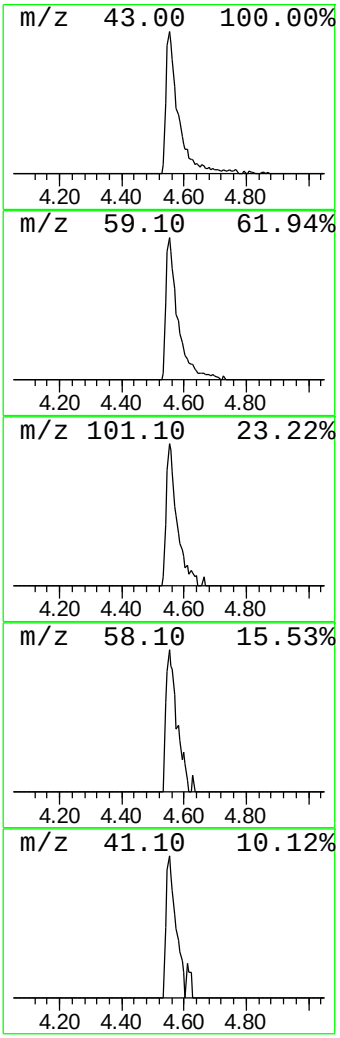
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.55	7.62 ng	139172	1,4-Dichlorobenzene-d4	7.37

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	35
3	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
4	5-Hexen-2-one	98	C6H10O	000109-49-9	9
5	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF060817\
Data File : BF095784.D
Acq On : 8 Jun 2017 15:32
Operator : SJ/MA
Sample : I3470-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : POSTEX-48-20170602

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

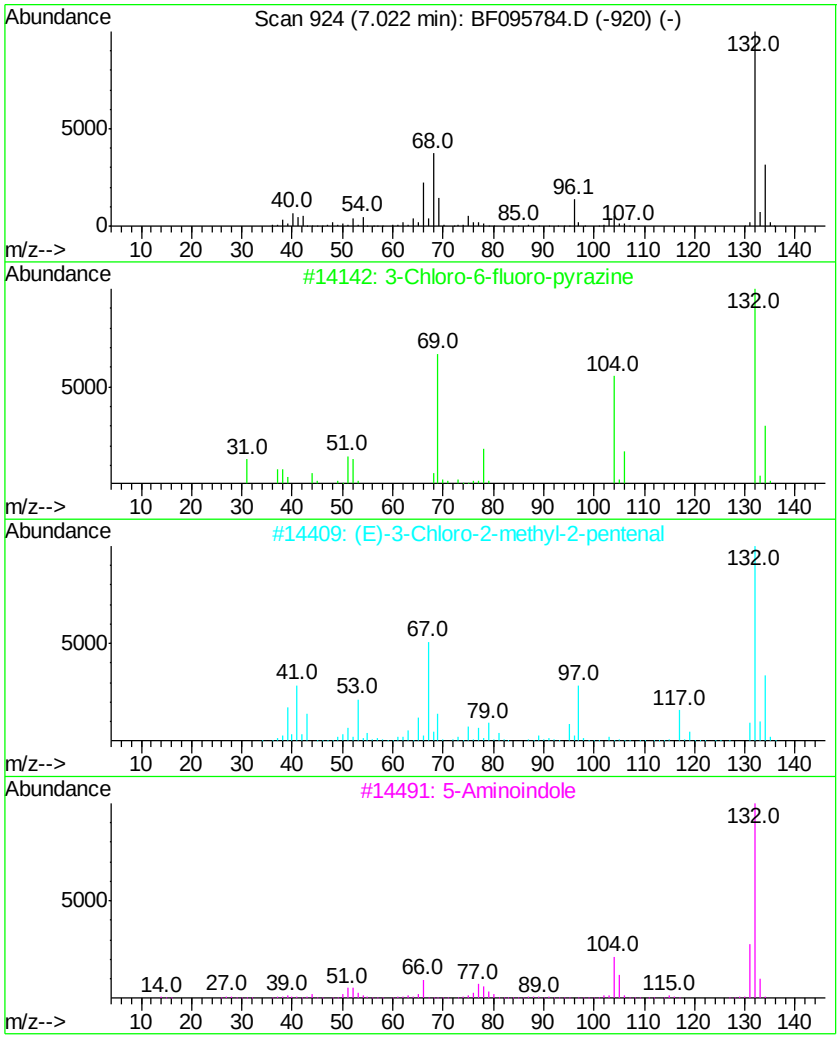
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

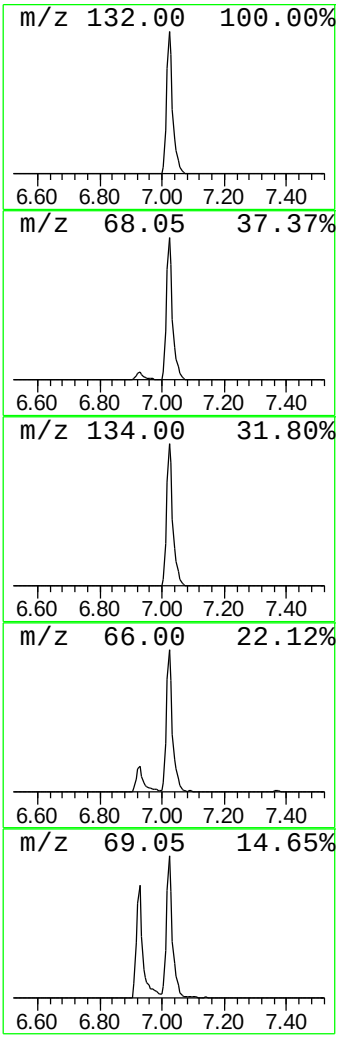
****

Peak Number 2 unknown7.02 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.02	75.20 ng	1373950	1,4-Dichlorobenzene-d4	7.37

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	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060817\
Data File : BF095784.D
Acq On : 8 Jun 2017 15:32
Operator : SJ/MA
Sample : I3470-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : POSTEX-48-20170602

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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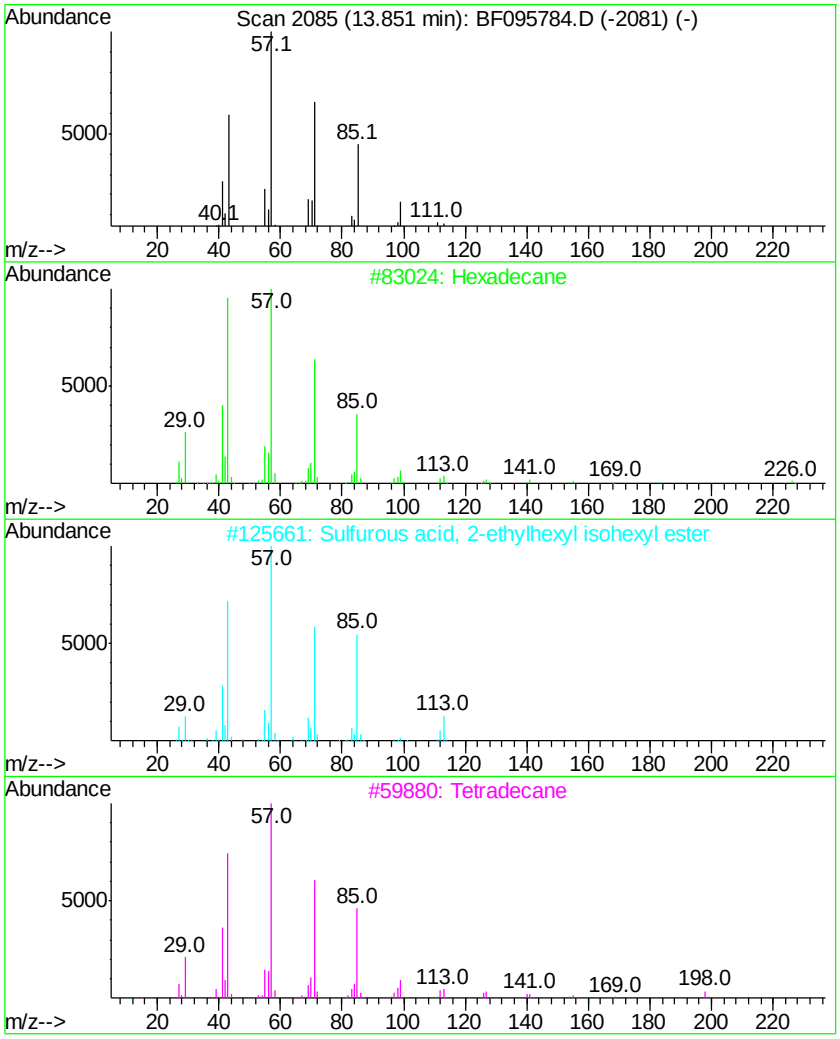
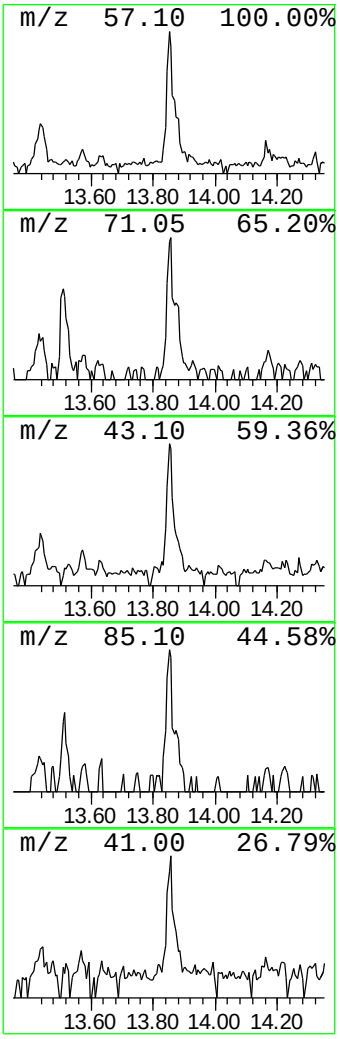
Peak Number 4 Hexadecane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.85	2.30 ng	53735	Phenanthrene-d10	14.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	72
2	Sulfurous acid, 2-ethylhexyl iso...	278	C14H30O3S	1000309-19-0	64
3	Tetradecane	198	C14H30	000629-59-4	64
4	Octane, 3,4,5,6-tetramethyl-	170	C12H26	062185-21-1	59
5	Sulfurous acid, hexyl heptyl ester	264	C13H28O3S	1000309-12-9	52





Data Path : Z:\HPCHEM1\BNA F\DATA\BF060817\
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Acq On : 8 Jun 2017 15:32
Operator : SJ/MA
Sample : I3470-06
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Instrument : BNA_F
ClientSampleId : POSTEX-48-20170602

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

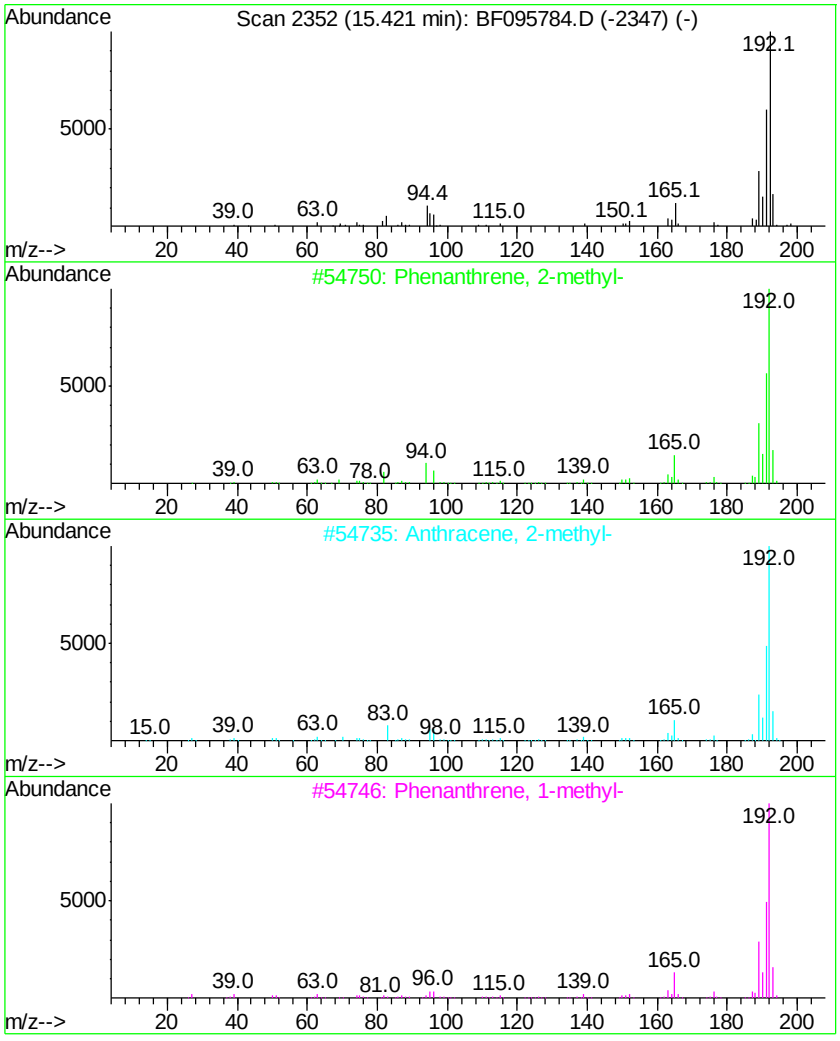
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

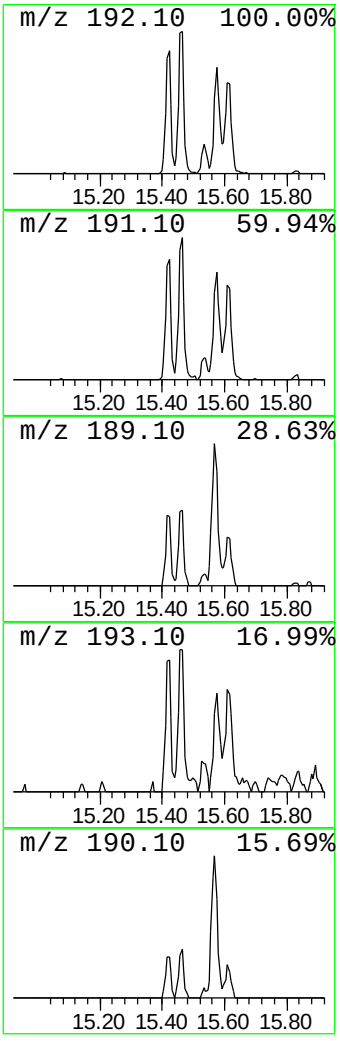
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.42	5.66 ng	132433	Phenanthrene-d10	14.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94





Data Path : Z:\HPCHEM1\BNA F\DATA\BF060817\
Data File : BF095784.D
Acq On : 8 Jun 2017 15:32
Operator : SJ/MA
Sample : I3470-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : POSTEX-48-20170602

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

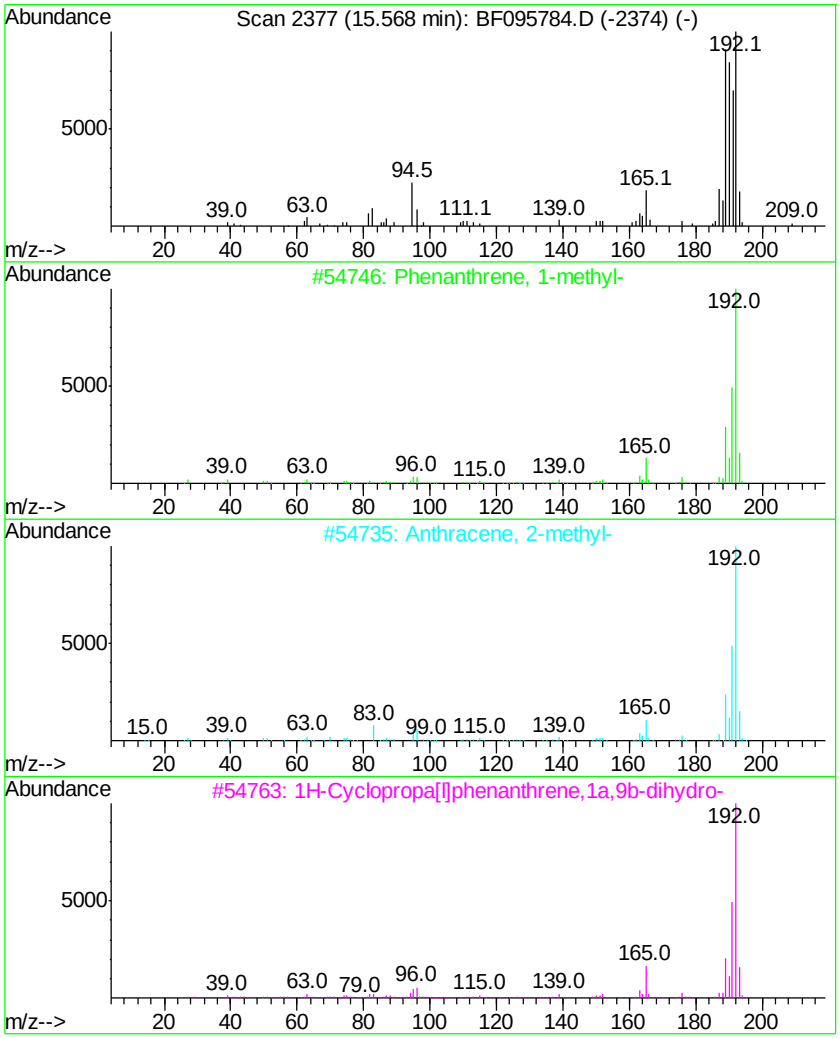
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

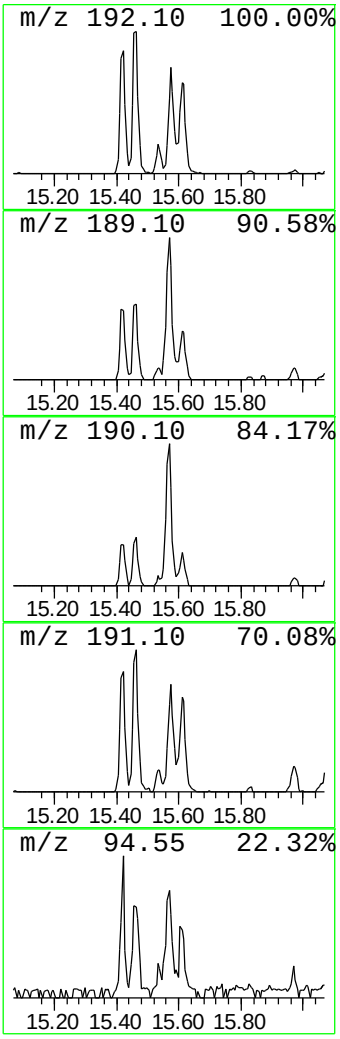
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.57	7.13 ng	167001	Phenanthrene-d10	14.62

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	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	89





Data Path : Z:\HPCHEM1\BNA F\DATA\BF060817\
Data File : BF095784.D
Acq On : 8 Jun 2017 15:32
Operator : SJ/MA
Sample : I3470-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : POSTEX-48-20170602

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

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

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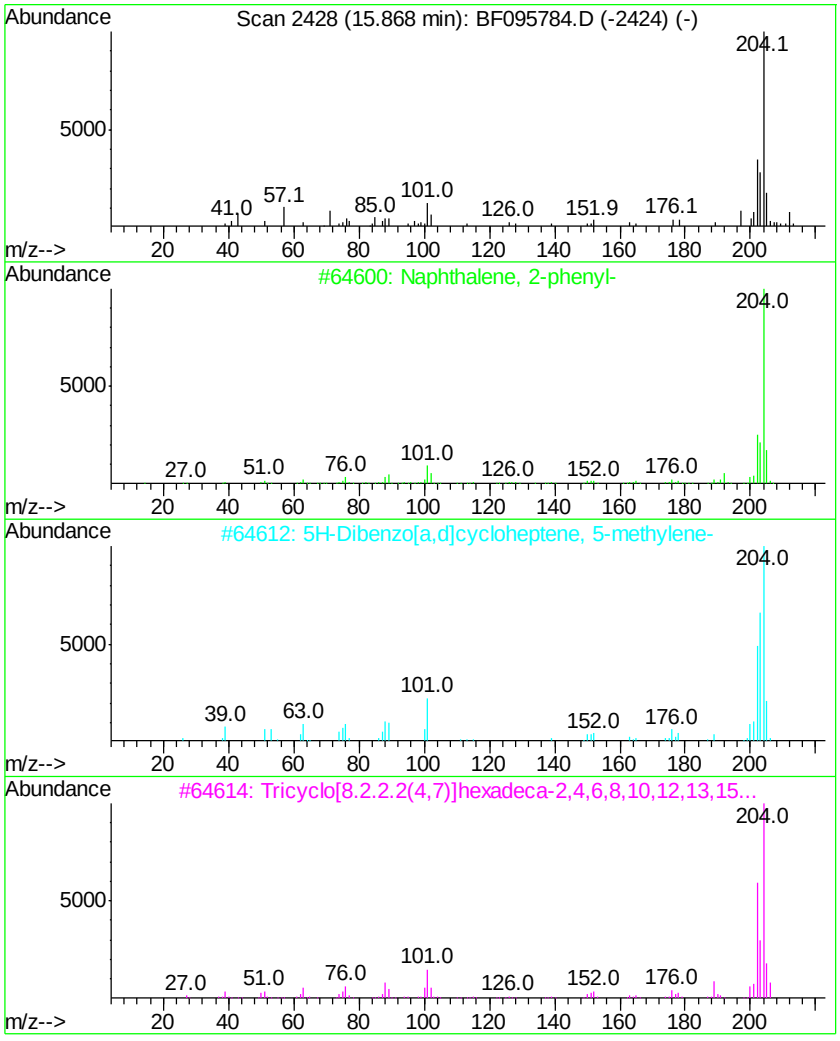
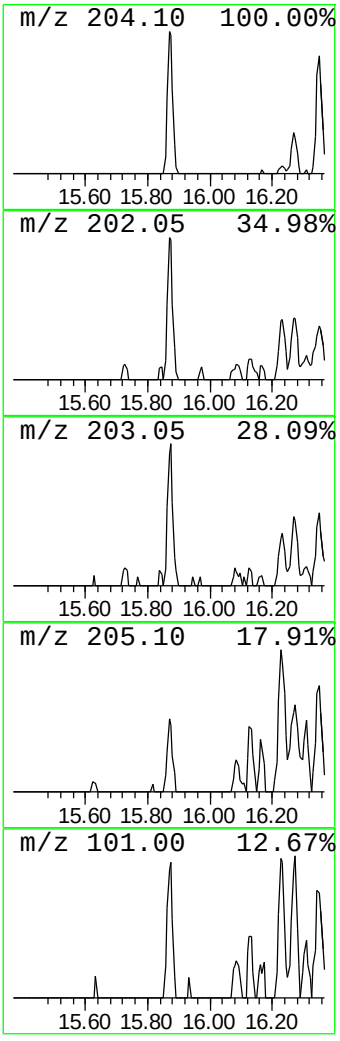
Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.87	2.99 ng	69964	Phenanthrene-d10	14.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	83
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	78
5	[1,2,4]Triazolo[5,1-b]quinazolin...	204	C10H12N4O	1000337-56-5	58





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Acq On : 8 Jun 2017 15:32
Operator : SJ/MA
Sample : I3470-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
POSTEX-48-20170602

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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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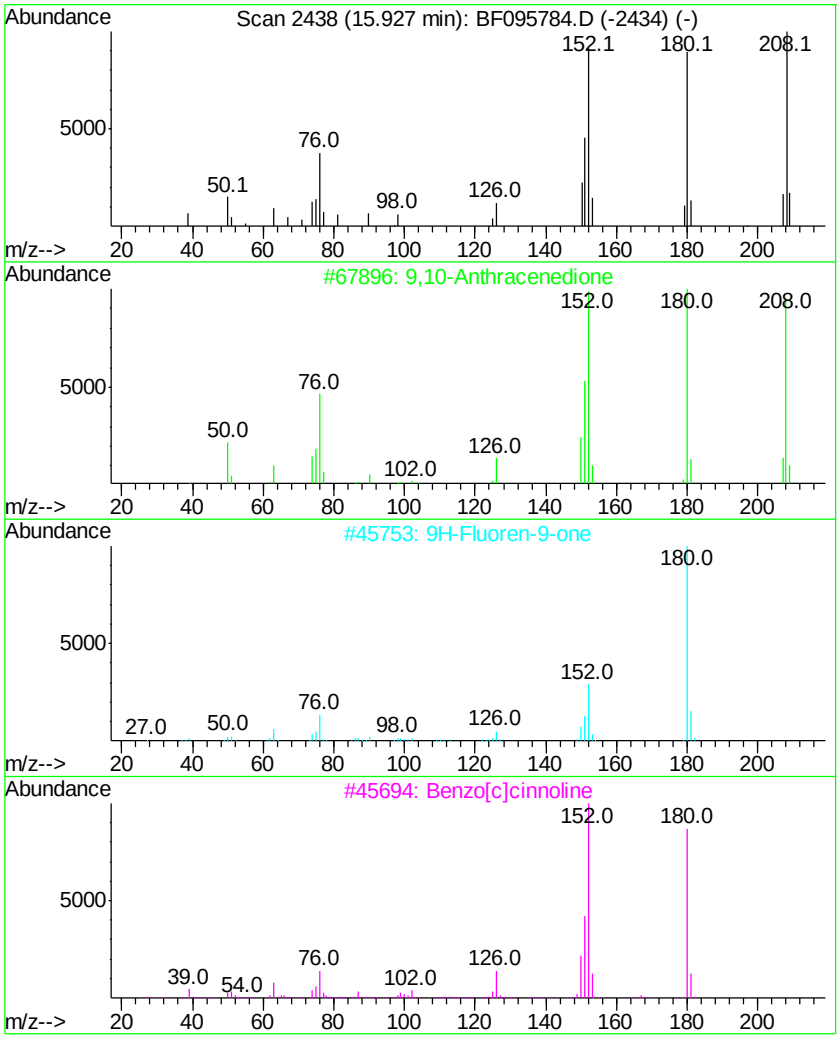
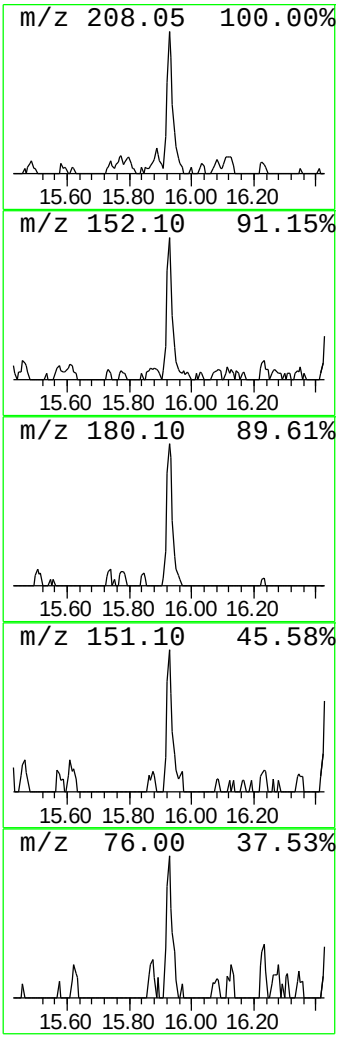
Peak Number 10 9,10-Anthracenedione Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.93	2.52 ng	59007	Phenanthrene-d10	14.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	70
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	52





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Sample : I3470-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : POSTEX-48-20170602

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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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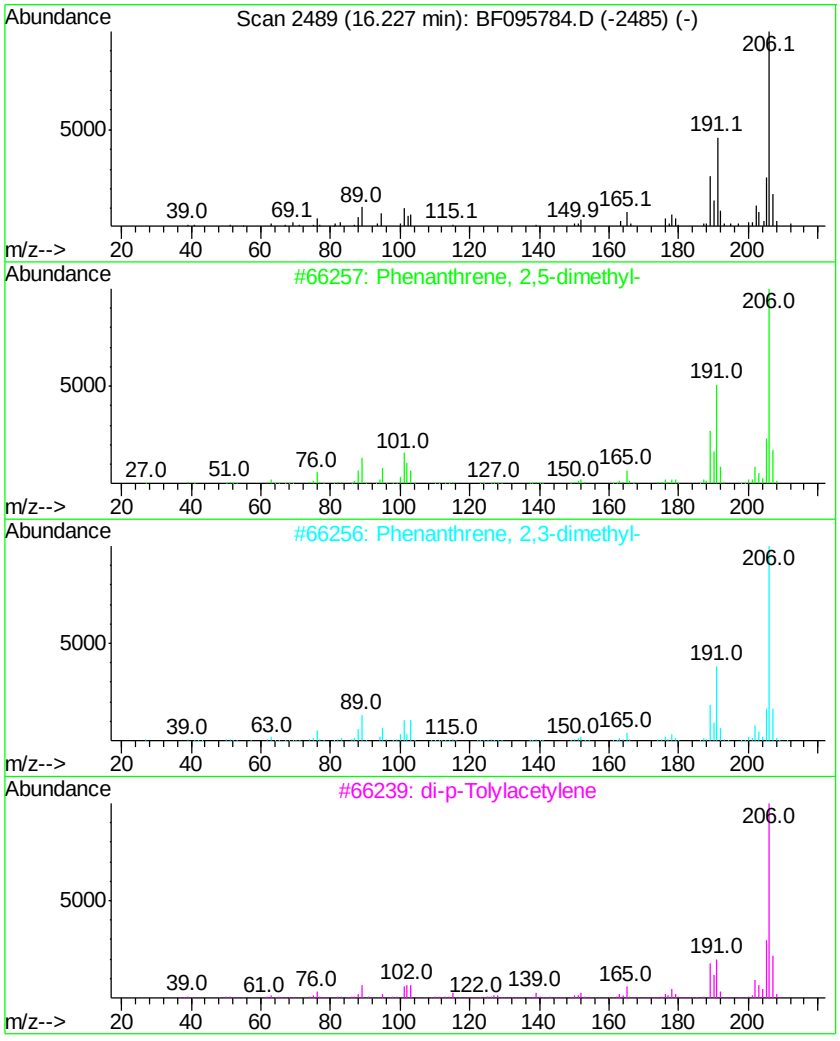
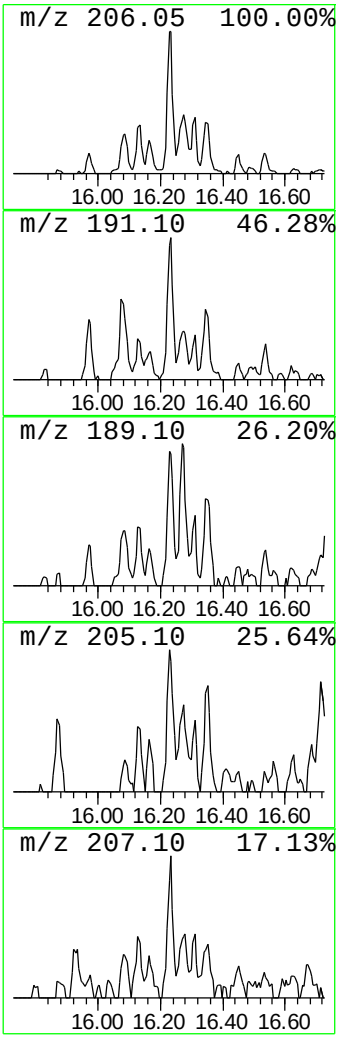
Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.23	4.94 ng	115610	Phenanthrene-d10	14.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	94
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90





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Sample : I3470-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : POSTEX-48-20170602

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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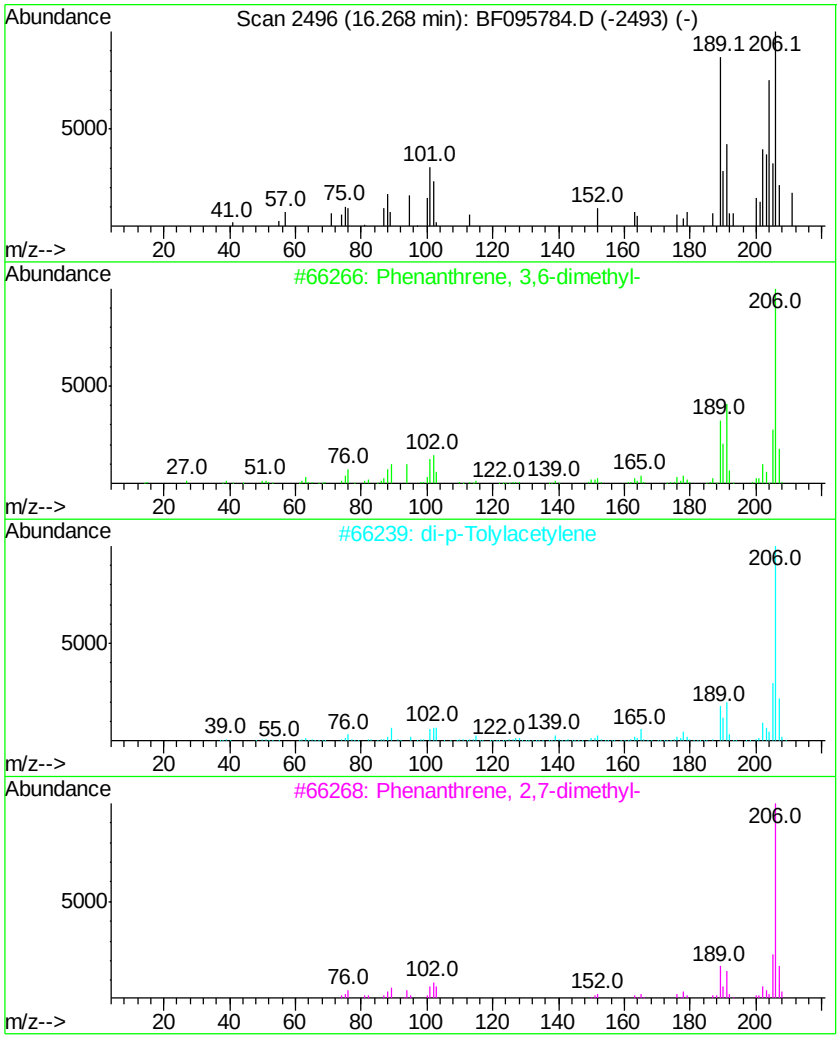
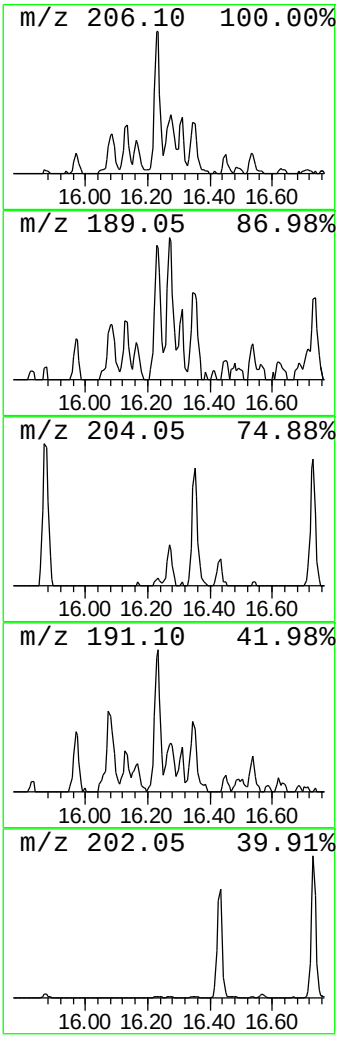
Peak Number 12 Phenanthrene, 3,6-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.27	3.01 ng	70456	Phenanthrene-d10	14.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	92
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	64
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	58
4	Benzene, 1,1'-(1,3-butadienylide...	206	C16H14	004165-81-5	55
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	53





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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : POSTEX-48-20170602

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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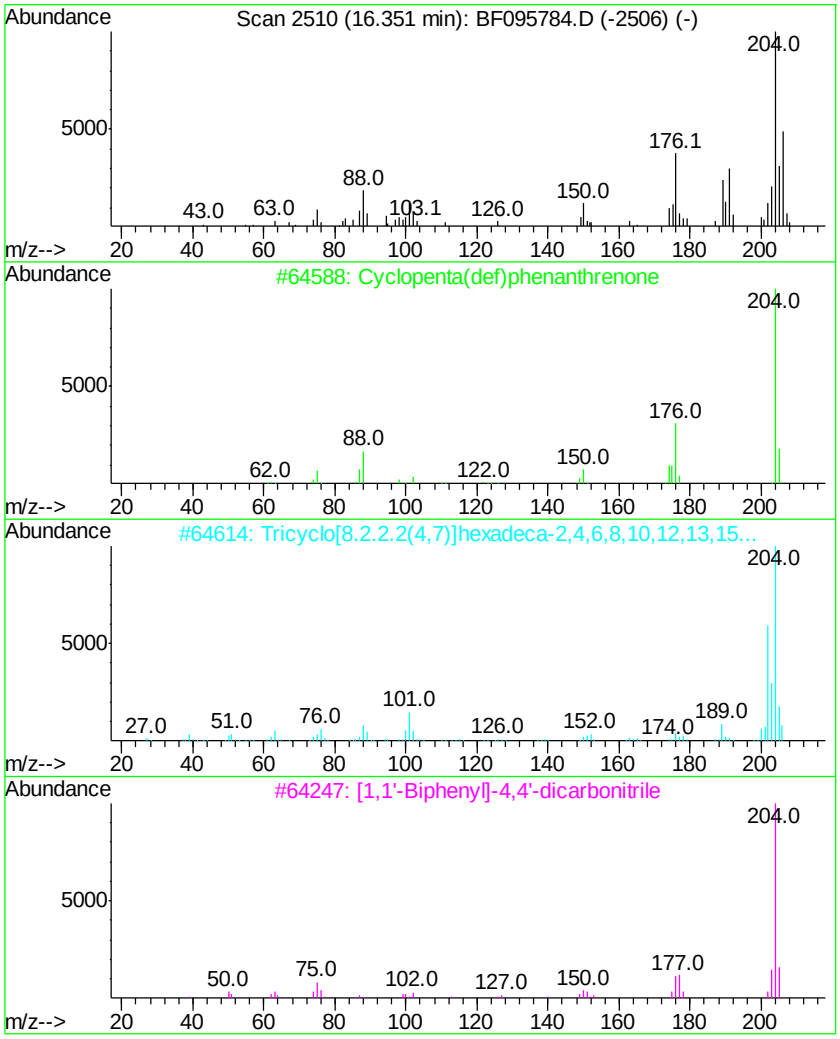
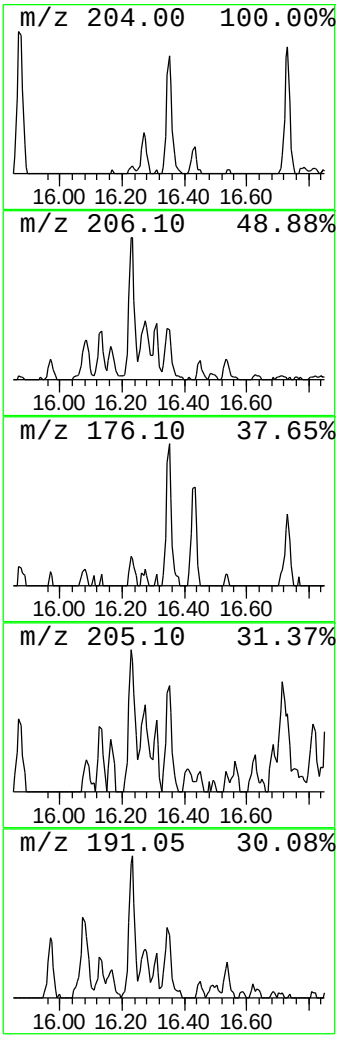
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.35	3.86 ng	90333	Phenanthrene-d10	14.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	83
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	43
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	43
4	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	43
5	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	43





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Sample : I3470-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

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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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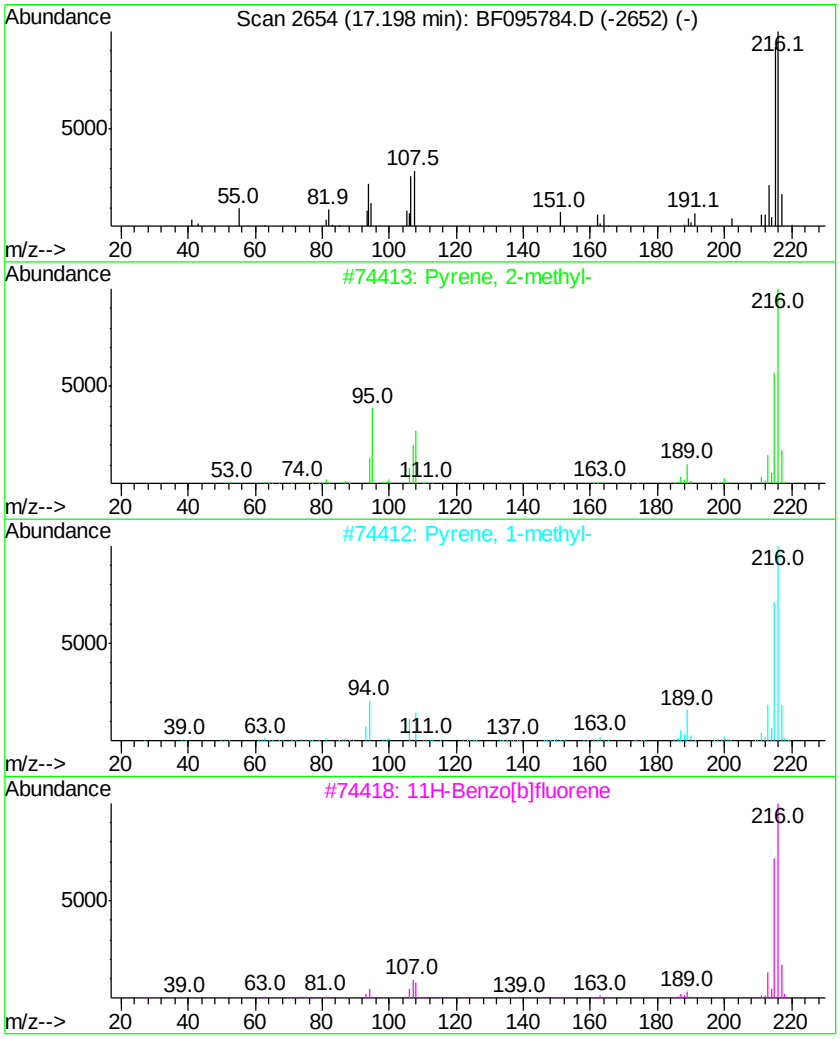
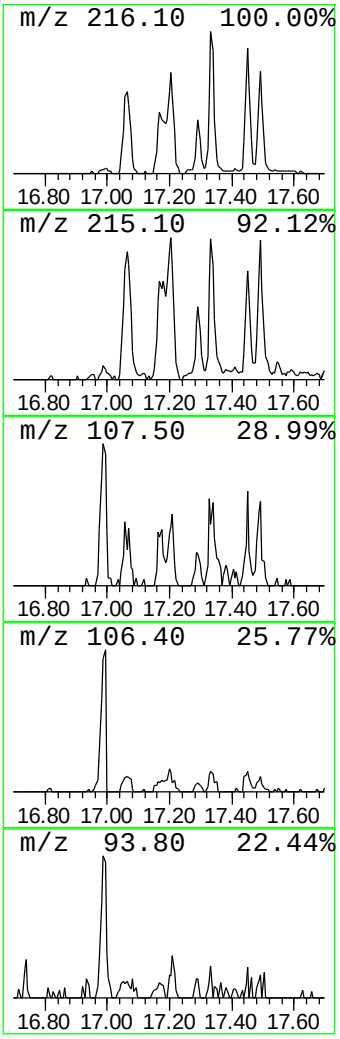
Peak Number 14 Pyrene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.20	2.39 ng	85345	Chrysene-d12	18.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	72
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	64
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	64
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	53
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	50





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Operator : SJ/MA
Sample : I3470-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : POSTEX-48-20170602

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

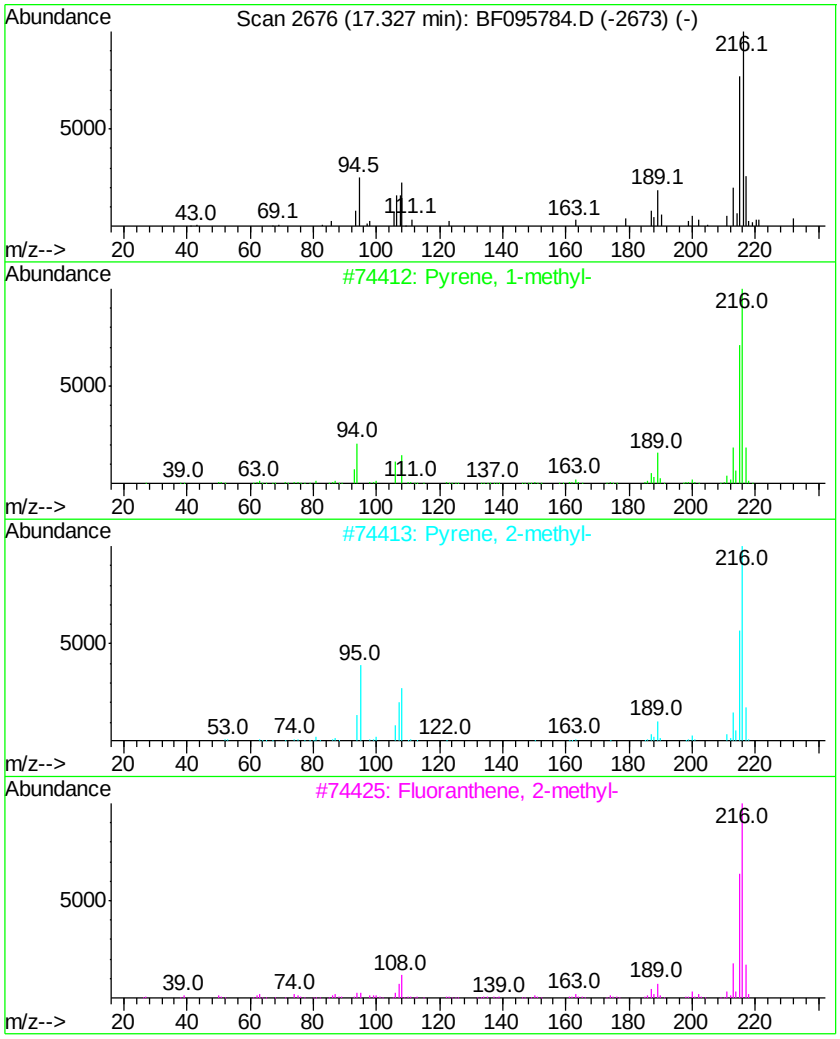
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

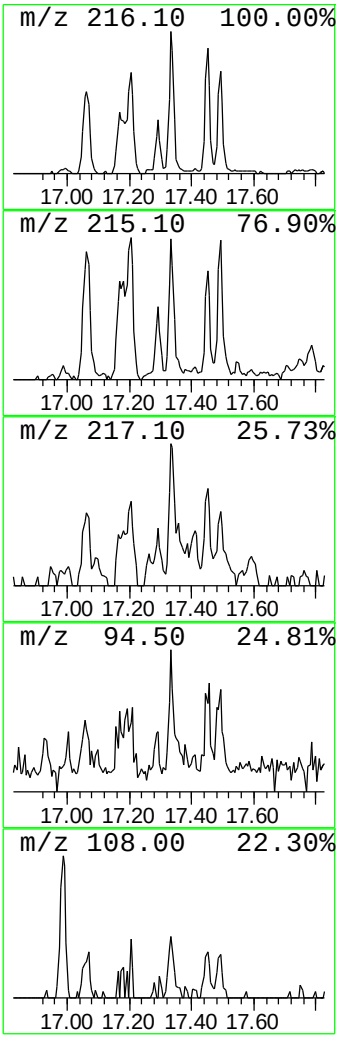
****

Peak Number 15 Pyrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.33	3.75 ng	134117	Chrysene-d12	18.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	76





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

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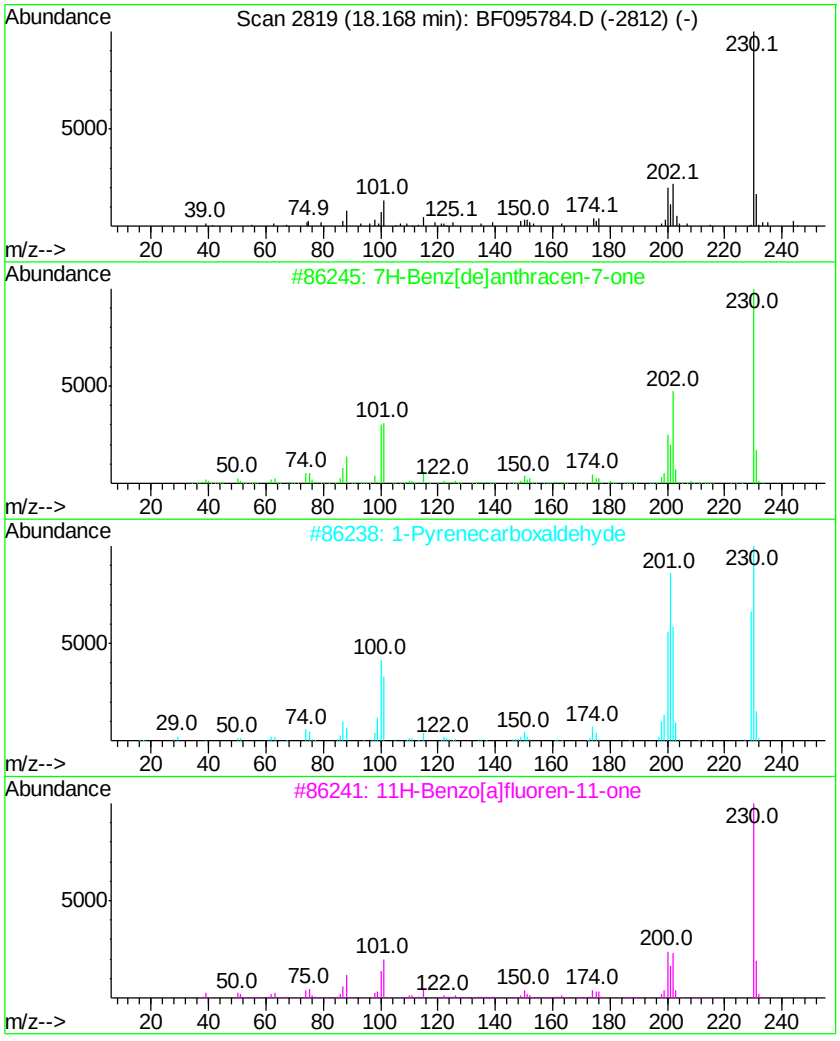
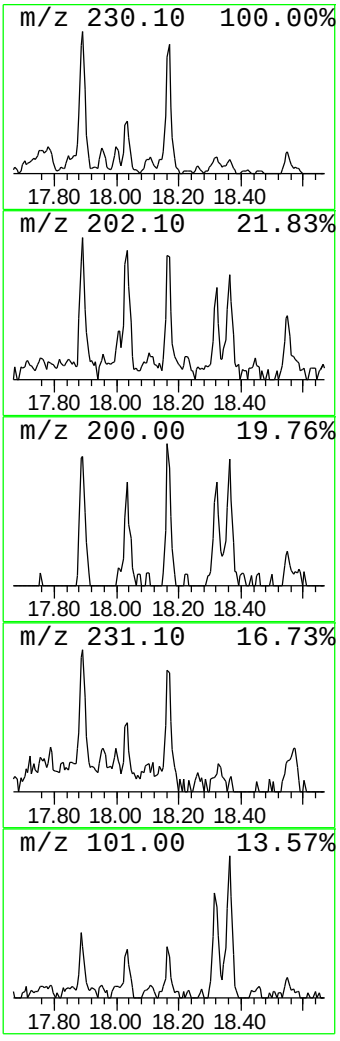
Peak Number 16 7H-Benz[de]anthracen-7-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.17	2.26 ng	80730	Chrysene-d12	18.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
2	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	64
3	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	58
4	o-Terphenyl	230	C18H14	000084-15-1	58
5	Ferrocene, (2-hydroxyethyl)-	230	C12H14FeO	001273-90-1	53





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Misc :
ALS Vial : 11 Sample Multiplier: 1

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TIC Library : C:\DATABASE\NIST11.L
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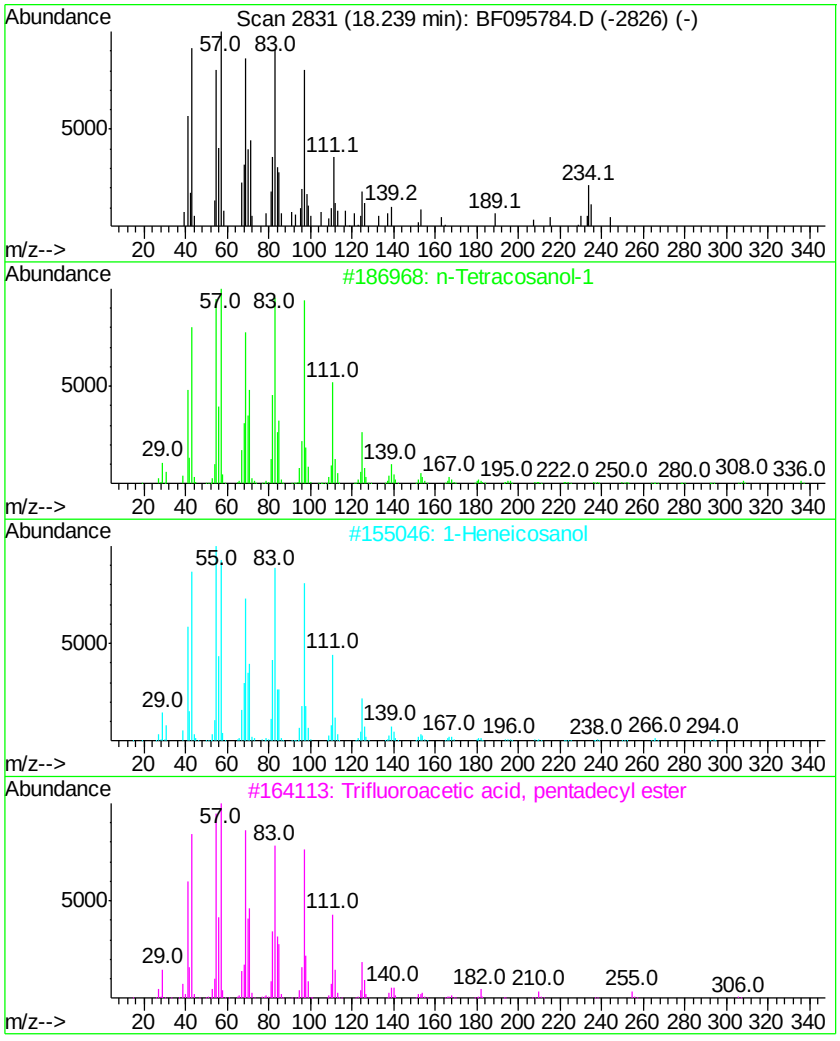
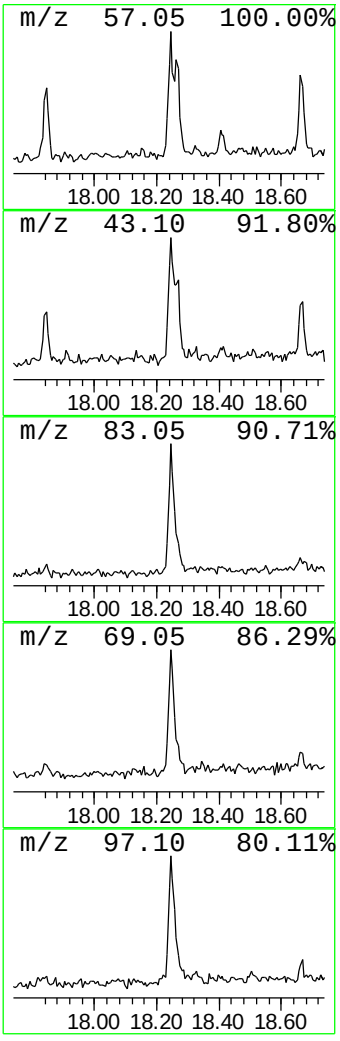
Peak Number 17 n-Tetracosanol-1 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.24	4.80 ng	171652	Chrysene-d12	18.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Tetracosanol-1	354	C24H50O	000506-51-4	95
2	1-Heneicosanol	312	C21H44O	015594-90-8	95
3	Trifluoroacetic acid, pentadecyl...	324	C17H31F3O2	959010-23-2	95
4	Behenic alcohol	326	C22H46O	000661-19-8	95
5	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	95





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Sample : I3470-06
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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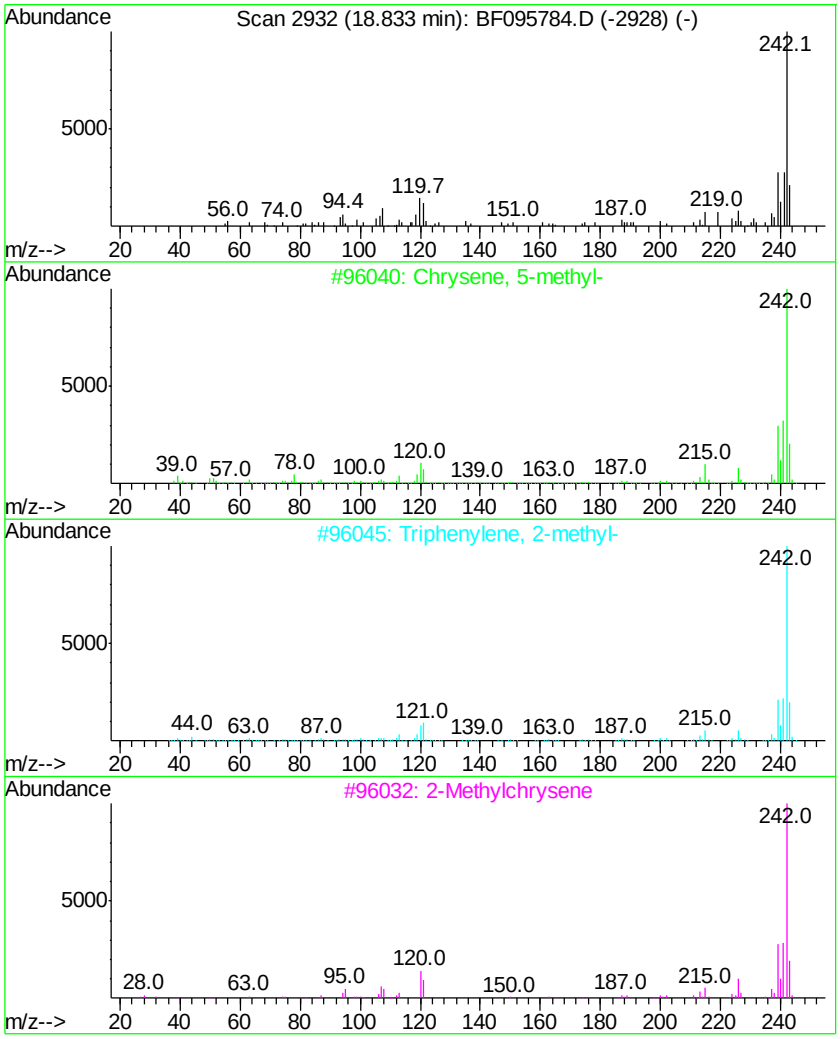
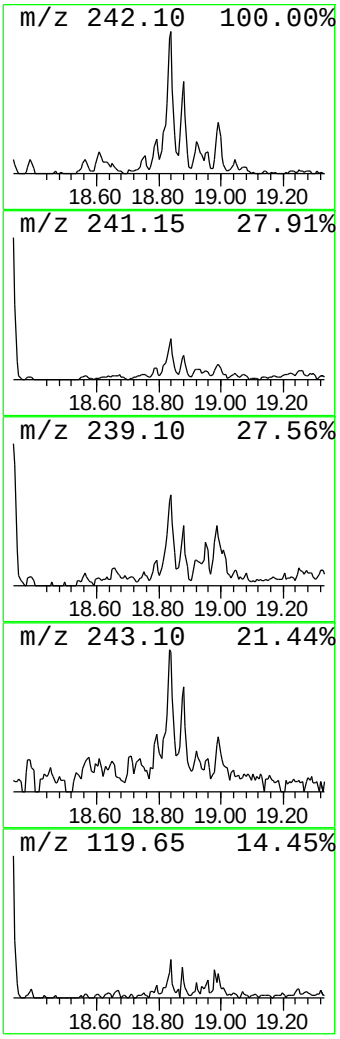
Peak Number 18 Chrysene, 5-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.83	2.51 ng	89764	Chrysene-d12	18.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 5-methyl-	242	C19H14	003697-24-3	95
2	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	94
3	2-Methylchrysene	242	C19H14	003351-32-4	93
4	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	93
5	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93





Library Search Compound Report

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Data File : BF095784.D
Acq On : 8 Jun 2017 15:32
Operator : SJ/MA
Sample : I3470-06
Misc :
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TIC Library : C:\DATABASE\NIST11.L
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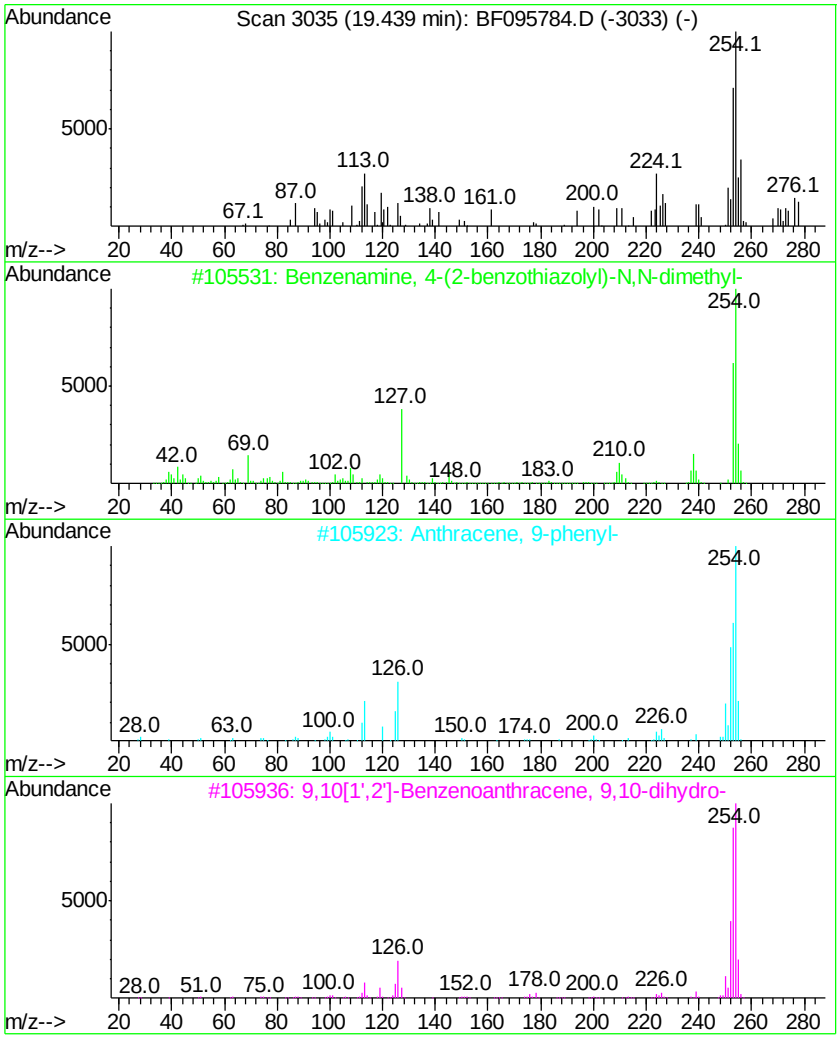
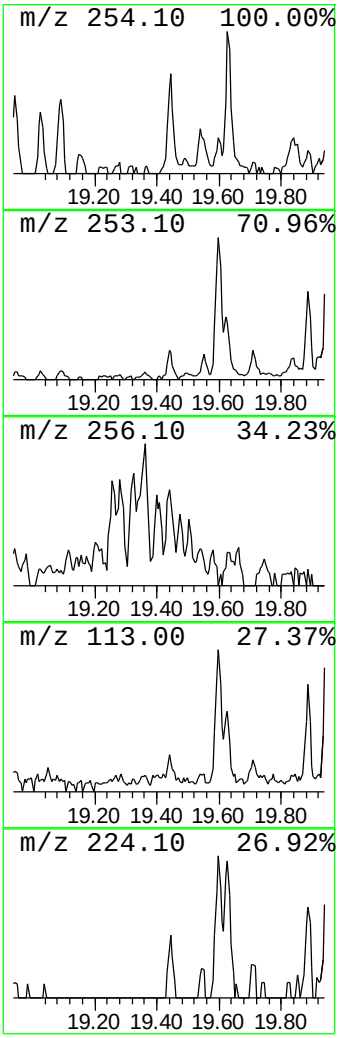
Peak Number 19 unknown19.44 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.44	2.49 ng	44181	Perylene-d12	20.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenamine, 4-(2-benzothiazolyl...	254	C15H14N2S	010205-56-8	49
2	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	49
3	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	47
4	4-Hydroxy-2,7-diamino-6-phenylpt...	254	C12H10N6O	019375-89-4	47
5	1,1'-Binaphthalene	254	C20H14	000604-53-5	46





Tentatively Identified Compound (LSC) summary

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Data File : BF095784.D
Acq On : 8 Jun 2017 15:32
Operator : SJ/MA
Sample : I3470-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : POSTEX-48-20170602

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...	4.55	7.6	ng	139172	1	7.37	365406	20.0
unknown7.02	7.02	75.2	ng	1373950	1	7.37	365406	20.0
Hexadecane	13.85	2.3	ng	53735	4	14.62	468258	20.0
Phenanthrene, 2-m...	15.42	5.7	ng	132433	4	14.62	468258	20.0
Phenanthrene, 1-m...	15.57	7.1	ng	167001	4	14.62	468258	20.0
Naphthalene, 2-ph...	15.87	3.0	ng	69964	4	14.62	468258	20.0
9,10-Anthracenedione	15.93	2.5	ng	59007	4	14.62	468258	20.0
Phenanthrene, 2,5...	16.23	4.9	ng	115610	4	14.62	468258	20.0
Phenanthrene, 3,6...	16.27	3.0	ng	70456	4	14.62	468258	20.0
Cyclopenta(def)ph...	16.35	3.9	ng	90333	4	14.62	468258	20.0
Pyrene, 2-methyl-	17.20	2.4	ng	85345	5	18.33	714879	20.0
Pyrene, 1-methyl-	17.33	3.8	ng	134117	5	18.33	714879	20.0
7H-Benz[de]anthra...	18.17	2.3	ng	80730	5	18.33	714879	20.0
n-Tetracosanol-1	18.24	4.8	ng	171652	5	18.33	714879	20.0
Chrysene, 5-methyl-	18.83	2.5	ng	89764	5	18.33	714879	20.0
unknown19.44	19.44	2.5	ng	44181	6	20.00	354542	20.0