LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060217\
Data File : BF095644.D
Acq On : 2 Jun 2017 20:36
Operator : SJ/MA
Sample : I3441-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-RO-6710-060117

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	4.775	522	525	546	rBV	38111	104090	7.17%	0.660%
2	5.451	636	640	665	rBV	489273	1181559	81.43%	7.489%
3	7.086	915	918	933	rBV	531434	1096329	75.56%	6.949%
4	7.198	933	937	959	rVB	835937	1450991	100.00%	9.197%
5	7.539	991	995	1006	rBV	338758	464340	32.00%	2.943%
6	7.775	1030	1035	1048	rBV	756276	1019546	70.27%	6.462%
7	8.445	1146	1149	1169	rBV	390708	709345	48.89%	4.496%
8	9.569	1335	1340	1357	rBV	414870	594745	40.99%	3.770%
9	11.339	1637	1641	1656	rBV	1072997	1347423	92.86%	8.540%
10	12.039	1756	1760	1770	rVB	87004	118007	8.13%	0.748%
11	12.174	1777	1783	1791	rBV	19759	29389	2.03%	0.186%
12	12.392	1816	1820	1827	rBV2	447760	580451	40.00%	3.679%
13	12.445	1827	1829	1835	rVB2	17312	25694	1.77%	0.163%
14	13.239	1956	1964	1970	rBV2	21346	32011	2.21%	0.203%
15	13.298	1970	1974	1980	rVB2	23552	37641	2.59%	0.239%
16	13.574	2017	2021	2023	rBV2	10884	14669	1.01%	0.093%
17	13.692	2037	2041	2056	rBV	373143	571165	39.36%	3.620%
18	14.010	2090	2095	2097	rBV	16371	21484	1.48%	0.136%
19	14.198	2122	2127	2131	rBV5	9405	16600	1.14%	0.105%
20	14.798	2224	2229	2232	rBV	378442	474538	32.70%	3.008%
21	14.833	2232	2235	2241	rVB	184107	253750	17.49%	1.608%
22	14.927	2247	2251	2262	rVB	68618	95447	6.58%	0.605%
23	15.033	2262	2269	2273	rBV6	10435	24483	1.69%	0.155%
24	15.333	2316	2320	2324	rBV	12627	15104	1.04%	0.096%
25	15.592	2361	2364	2368	rVV	54508	60032	4.14%	0.380%
26	15.633	2368	2371	2381	rVB	61233	78674	5.42%	0.499%
27	15.709	2381	2384	2386	rBV	24756	27258	1.88%	0.173%
28	15.745	2386	2390	2393	rVV3	72461	97862	6.74%	0.620%
29	15.786	2393	2397	2403	rVB2	75953	114197	7.87%	0.724%
30	15.939	2420	2423	2427	rBV5	9834	14980	1.03%	0.095%
31	16.039	2432	2440	2443	rBV2	33057	49057	3.38%	0.311%
32	16.251	2473	2476	2480	rBV4	14401	16949	1.17%	0.107%
33	16.298	2480	2484	2487	rBV2	24401	27658	1.91%	0.175%
34	16.333	2487	2490	2493	rVB	16591	19096	1.32%	0.121%

LSC Area Percent Report

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Sample : I3441-07
Misc :
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Instrument : BNA_F
ClientSampleId : OR-RO-6710-060117

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	16.398	2497	2501	2504	rBV	55693	68285	4.71%	0.433%
36	16.439	2504	2508	2511	rVB3	26645	35014	2.41%	0.222%
37	16.474	2511	2514	2517	rVB	17380	16331	1.13%	0.104%
38	16.515	2517	2521	2526	rBV5	28584	51495	3.55%	0.326%
39	16.598	2531	2535	2541	rVV	464589	504726	34.78%	3.199%
40	16.698	2550	2552	2556	rVB3	20203	18516	1.28%	0.117%
41	16.733	2556	2558	2563	rVB3	12135	15246	1.05%	0.097%
42	16.798	2567	2569	2572	rVB2	18421	18747	1.29%	0.119%
43	16.898	2580	2586	2593	rBV	495147	605720	41.75%	3.839%
44	17.021	2604	2607	2612	rVB3	20141	22873	1.58%	0.145%
45	17.098	2617	2620	2623	rBV	26775	30955	2.13%	0.196%
46	17.145	2623	2628	2635	rVB	926977	1054722	72.69%	6.685%
47	17.227	2639	2642	2648	rVB3	32685	50609	3.49%	0.321%
48	17.339	2657	2661	2664	rBV5	37324	60456	4.17%	0.383%
49	17.368	2664	2666	2672	rVB	78241	92499	6.37%	0.586%
50	17.427	2672	2676	2677	rBV4	15106	17482	1.20%	0.111%
51	17.456	2677	2681	2685	rBV2	62170	70494	4.86%	0.447%
52	17.503	2685	2689	2693	rBV2	66046	96724	6.67%	0.613%
53	17.621	2705	2709	2713	rVB	33206	37380	2.58%	0.237%
54	17.662	2713	2716	2721	rBV2	28387	35875	2.47%	0.227%
55	17.703	2721	2723	2727	rBV4	18399	19336	1.33%	0.123%
56	18.009	2773	2775	2779	rBV5	17910	26391	1.82%	0.167%
57	18.174	2800	2803	2805	rBV2	34478	36215	2.50%	0.230%
58	18.198	2805	2807	2811	rVB	40952	49617	3.42%	0.314%
59	18.239	2811	2814	2817	rBV	34622	39481	2.72%	0.250%
60	18.403	2838	2842	2845	rVB4	59934	72448	4.99%	0.459%
61	18.492	2852	2857	2861	rBV2	517967	753339	51.92%	4.775%
62	18.527	2861	2863	2871	rVB	168757	244646	16.86%	1.551%
63	18.627	2877	2880	2883	rVB3	43552	54699	3.77%	0.347%
64	19.003	2942	2944	2949	rVB	47027	44642	3.08%	0.283%
65	19.768	3071	3074	3077	rBV	164057	204004	14.06%	1.293%
66	20.062	3121	3124	3127	rVB	87894	94642	6.52%	0.600%
67	20.121	3131	3134	3137	rBV	129195	140365	9.67%	0.890%
68	20.174	3139	3143	3147	rBV	261735	309027	21.30%	1.959%

Sum of corrected areas: 15777565

LSC Report - Integrated Chromatogram

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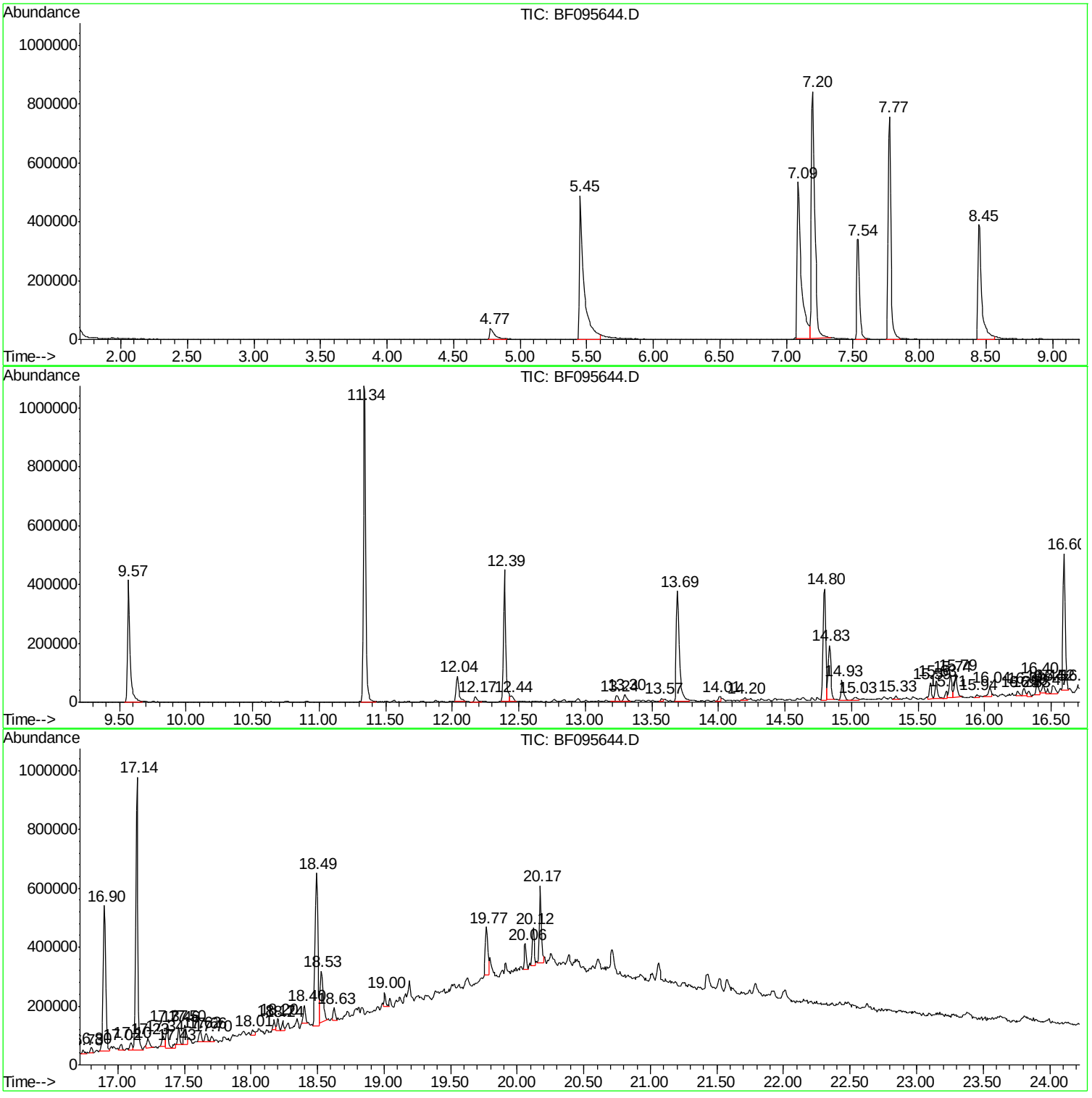
Acq On : 2 Jun 2017 20:36
Operator : SJ/MA
Sample : I3441-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-RO-6710-060117

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\BF060217\
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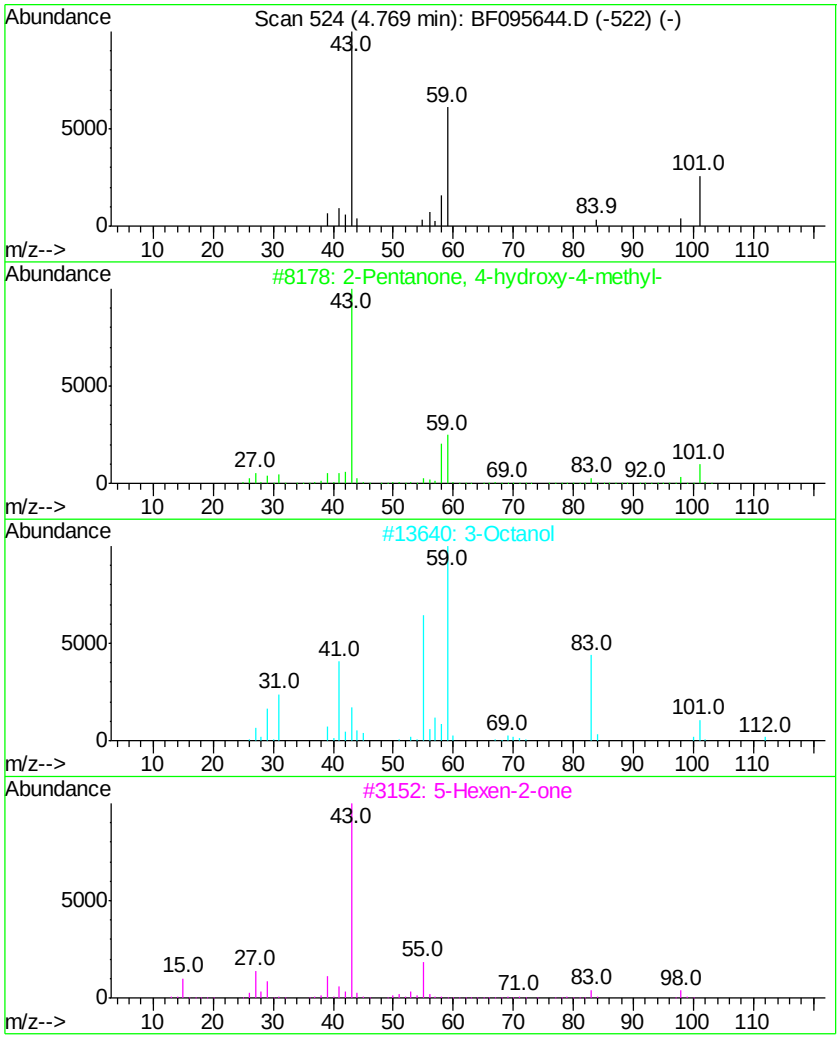
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

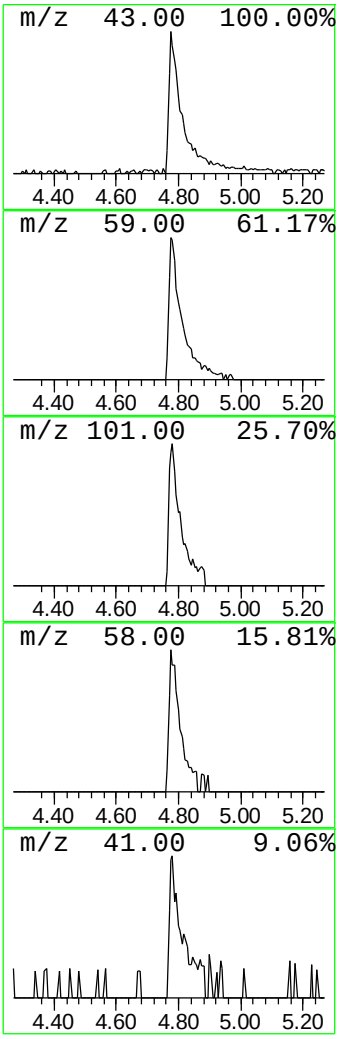
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.77	4.48 ng	104090	1,4-Dichlorobenzene-d4	7.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	3-Octanol	130	C8H18O	000589-98-0	25
3	5-Hexen-2-one	98	C6H10O	000109-49-9	9
4	2-Propanone, 1-(1-methylethoxy)-	116	C6H12O2	042781-12-4	9
5	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	9





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Operator : SJ/MA
Sample : I3441-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-RO-6710-060117

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

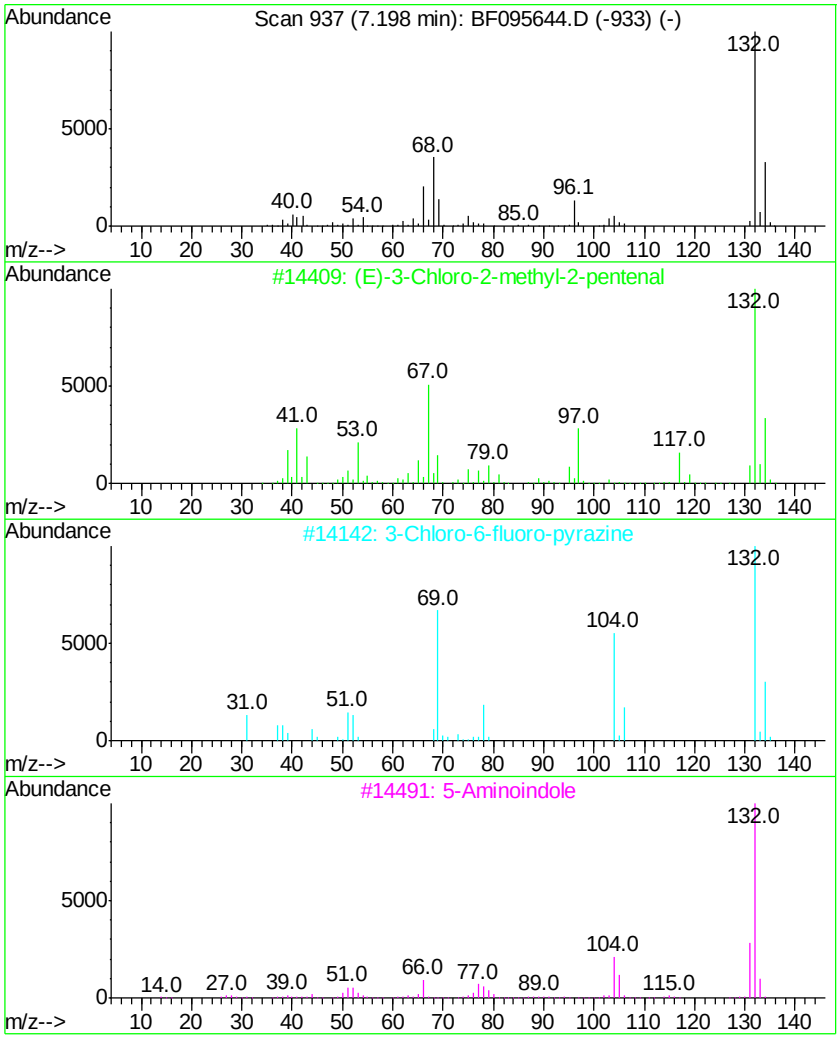
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

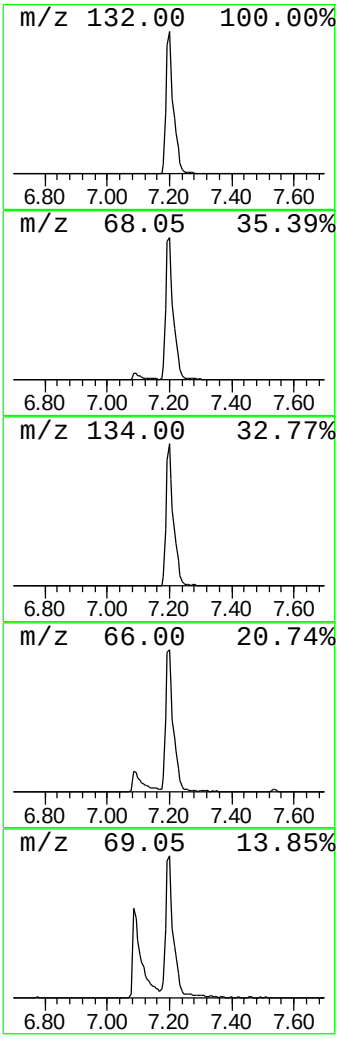
****

Peak Number 2 unknown7.20 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.20	62.50 ng	1450990	1,4-Dichlorobenzene-d4	7.54

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	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	1-Aminoindan	133	C9H11N	034698-41-4	9
5	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9





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Sample : I3441-07
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Instrument : BNA_F
ClientSampleId : OR-RO-6710-060117

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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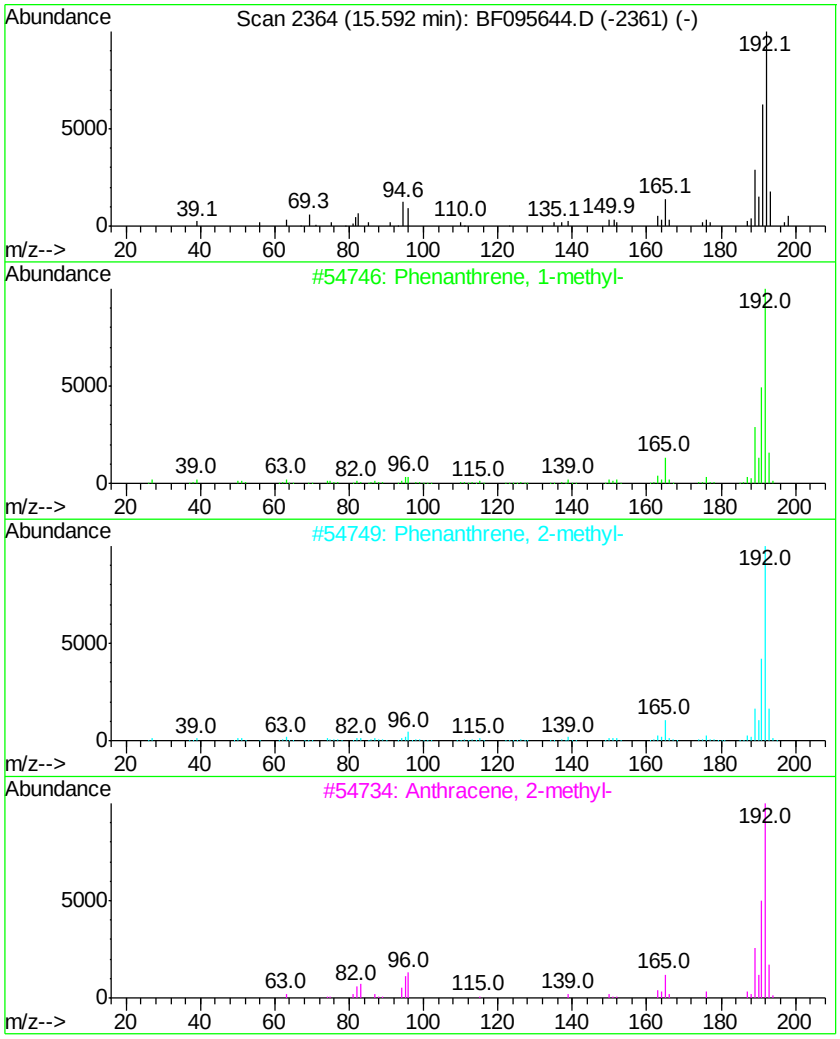
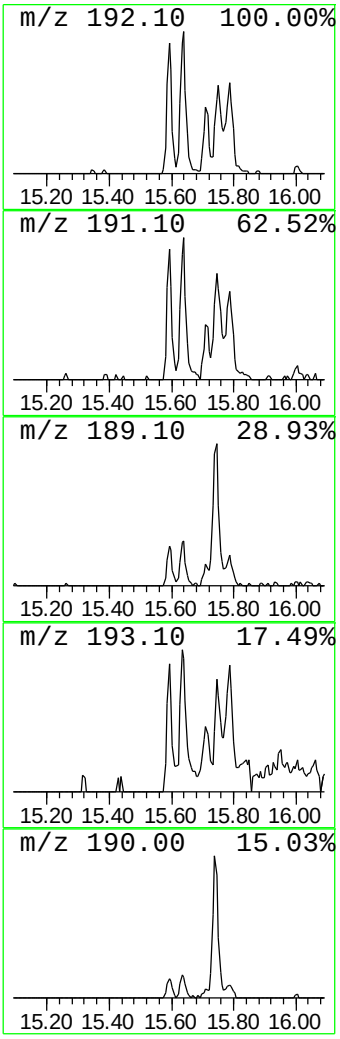
Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.59	2.53 ng	60032	Phenanthrene-d10	14.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





Data Path : Z:\HPCHEM1\BNA F\DATA\BF060217\
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Sample : I3441-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-RO-6710-060117

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
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TIC Library : C:\DATABASE\NIST11.L
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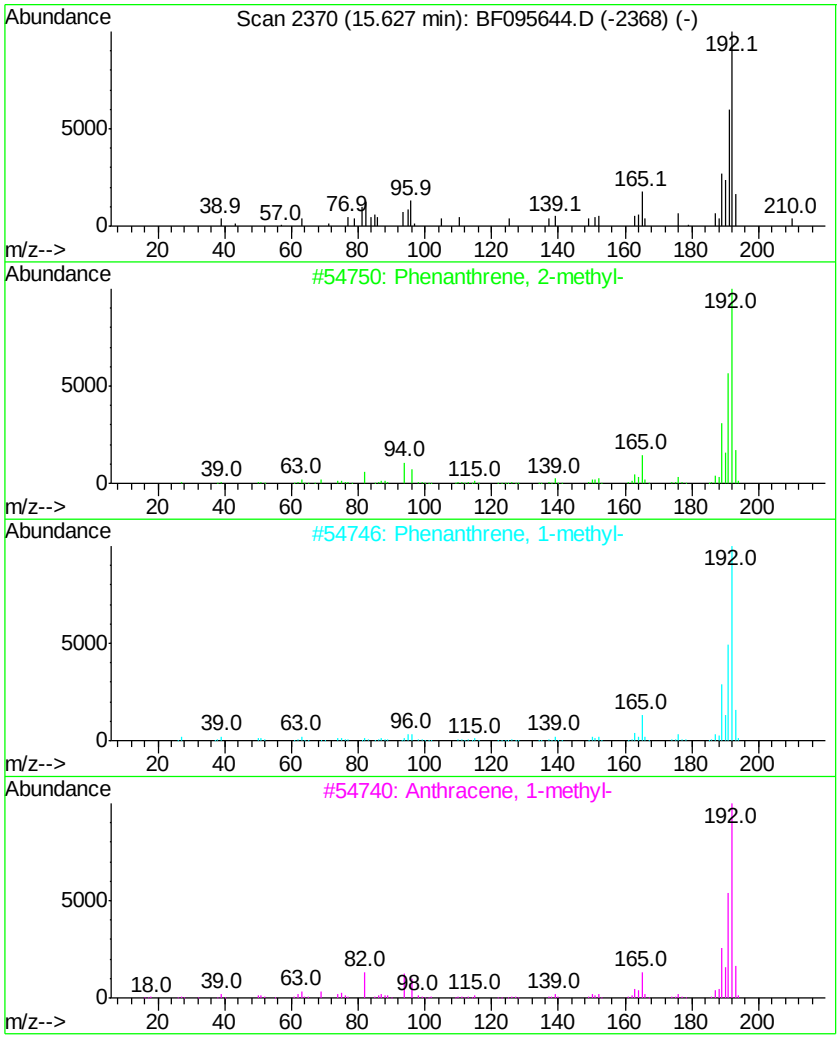
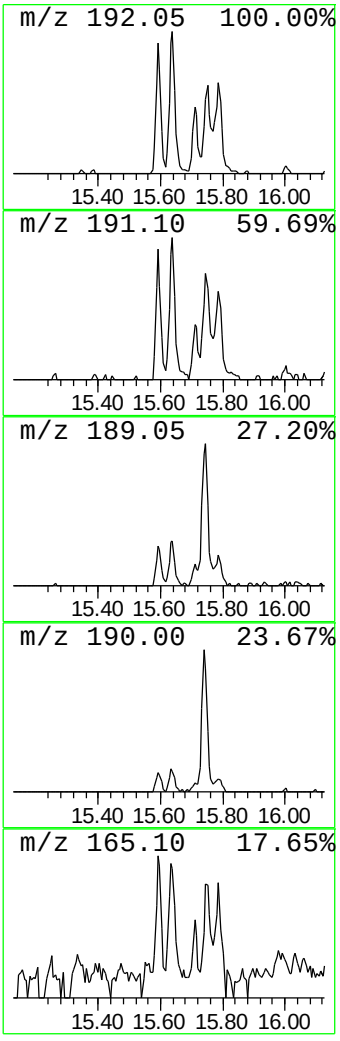
Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.63	3.32 ng	78674	Phenanthrene-d10	14.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





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Instrument : BNA_F
ClientSampleId : OR-RO-6710-060117

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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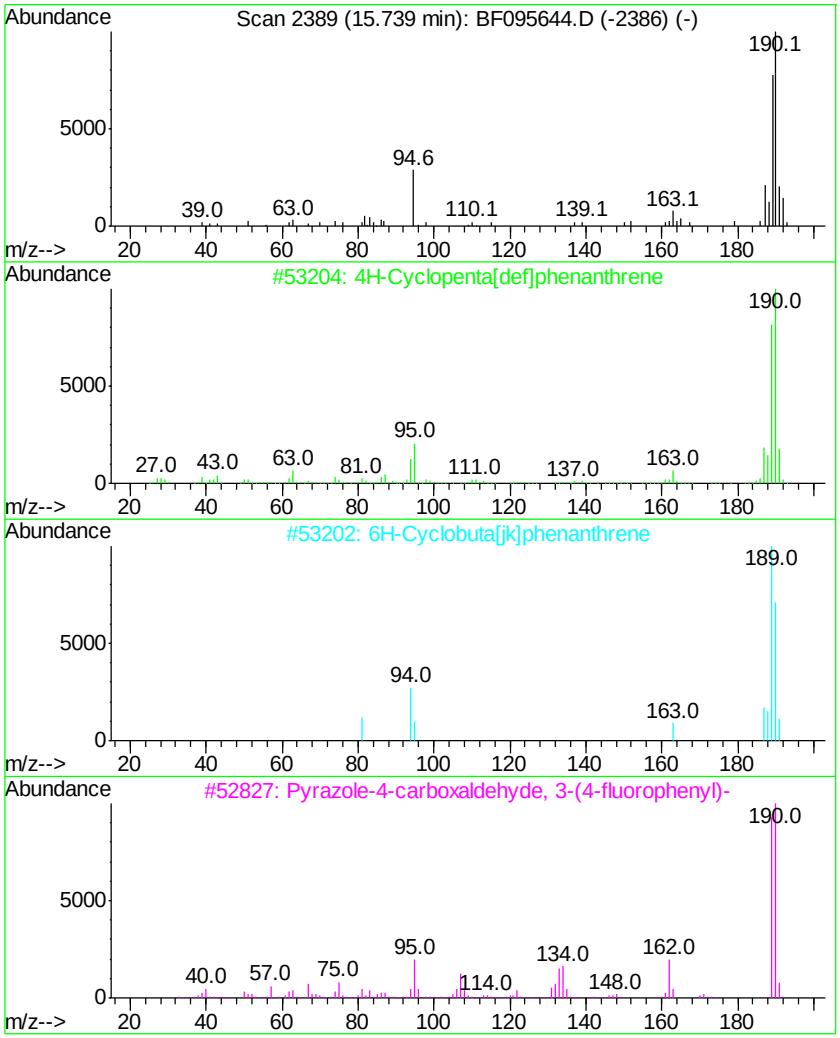
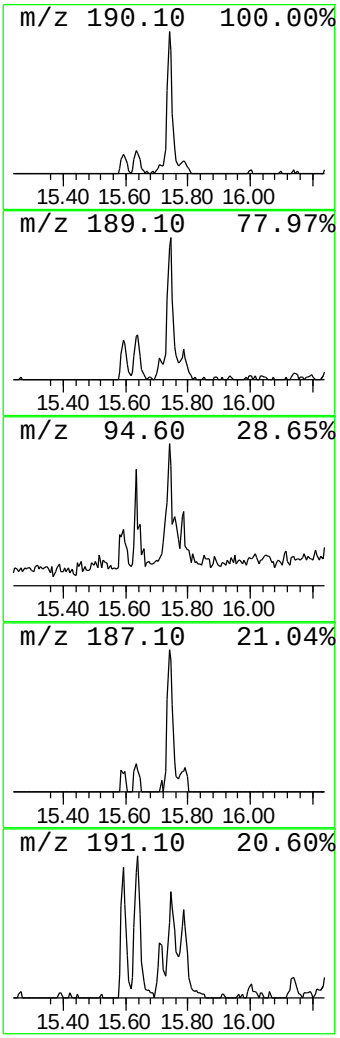
Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.74	4.12 ng	97862	Phenanthrene-d10	14.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
3	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	46
4	Methyl diselenide	190	C2H6Se2	007101-31-7	43
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	37





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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-RO-6710-060117

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

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

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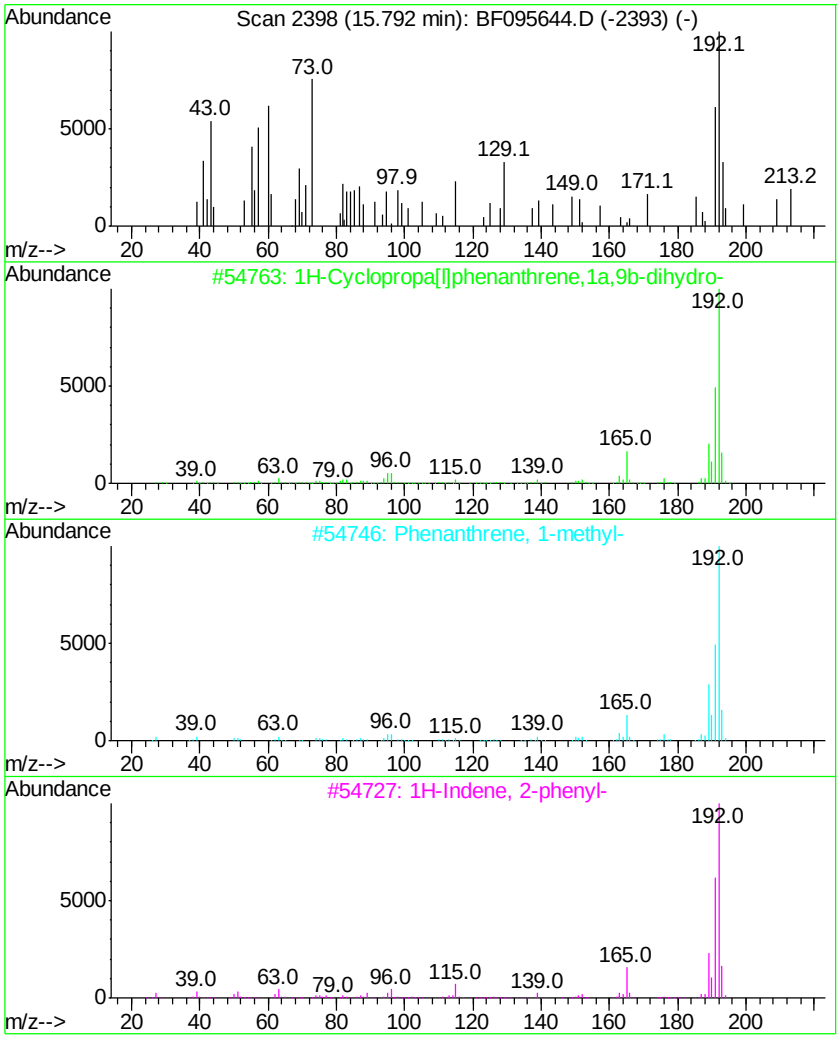
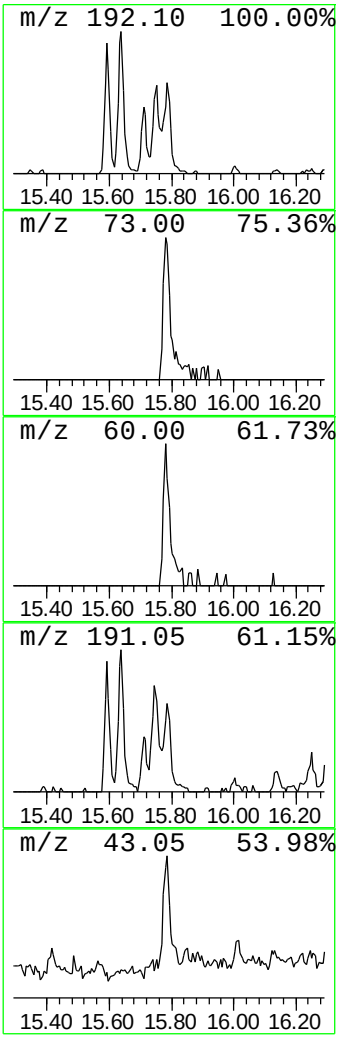
Peak Number 7 unknown15.79 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.79	4.81 ng	114197	Phenanthrene-d10	14.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	46
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	46
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	46
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	46
5	5-Methyl-2-phenylimino-1,3-thiaz...	192	C10H12N2S	013163-27-4	43





Data Path : Z:\HPCHEM1\BNA F\DATA\BF060217\
Data File : BF095644.D
Acq On : 2 Jun 2017 20:36
Operator : SJ/MA
Sample : I3441-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-RO-6710-060117

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

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

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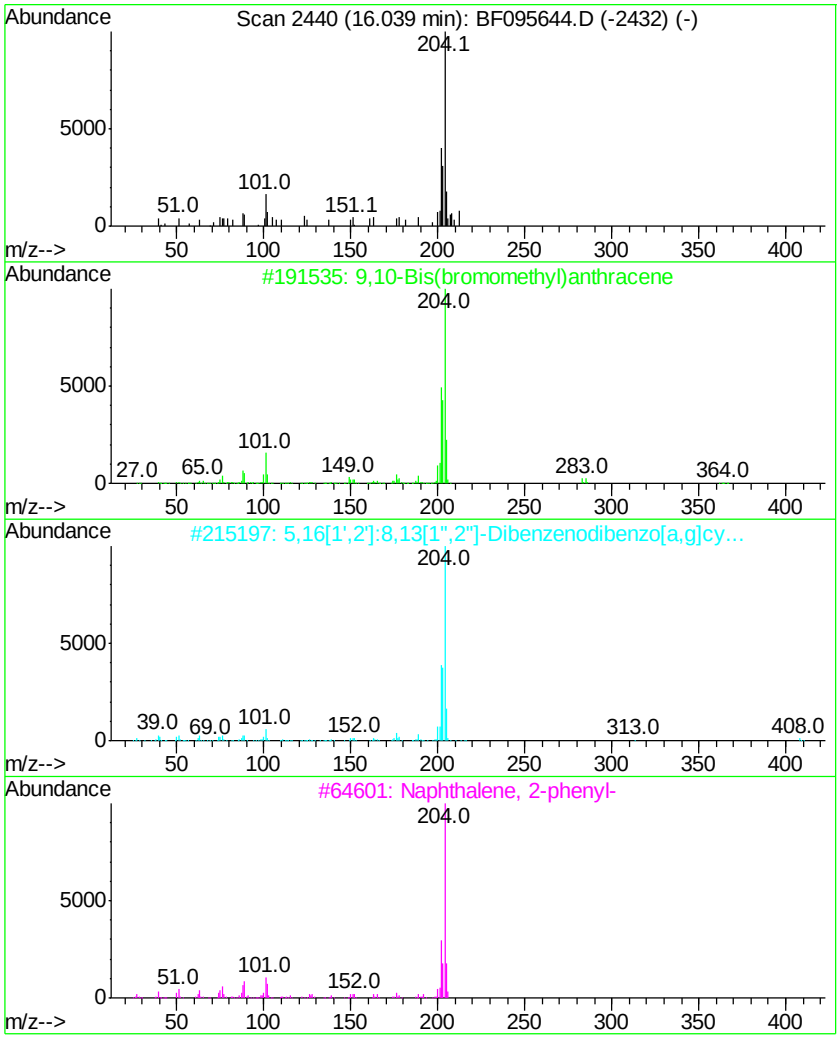
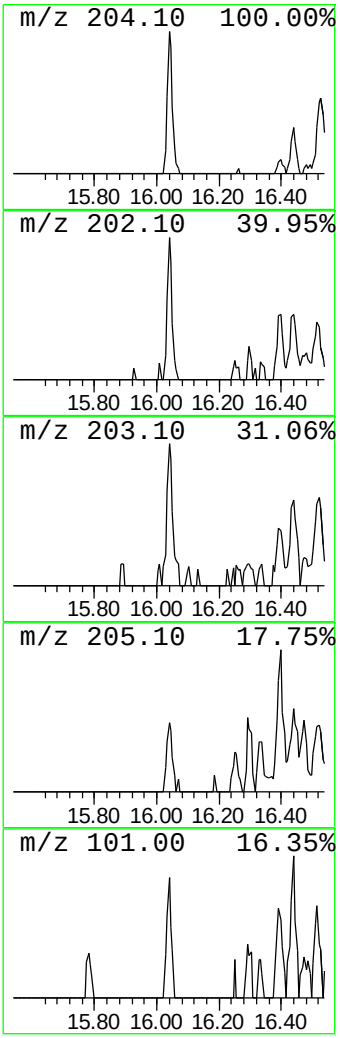
Peak Number 8 9,10-Bis(bromomethyl)anthra... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.04	2.07 ng	49057	Phenanthrene-d10	14.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	87
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	72
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	49





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Acq On : 2 Jun 2017 20:36
Operator : SJ/MA
Sample : I3441-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-RO-6710-060117

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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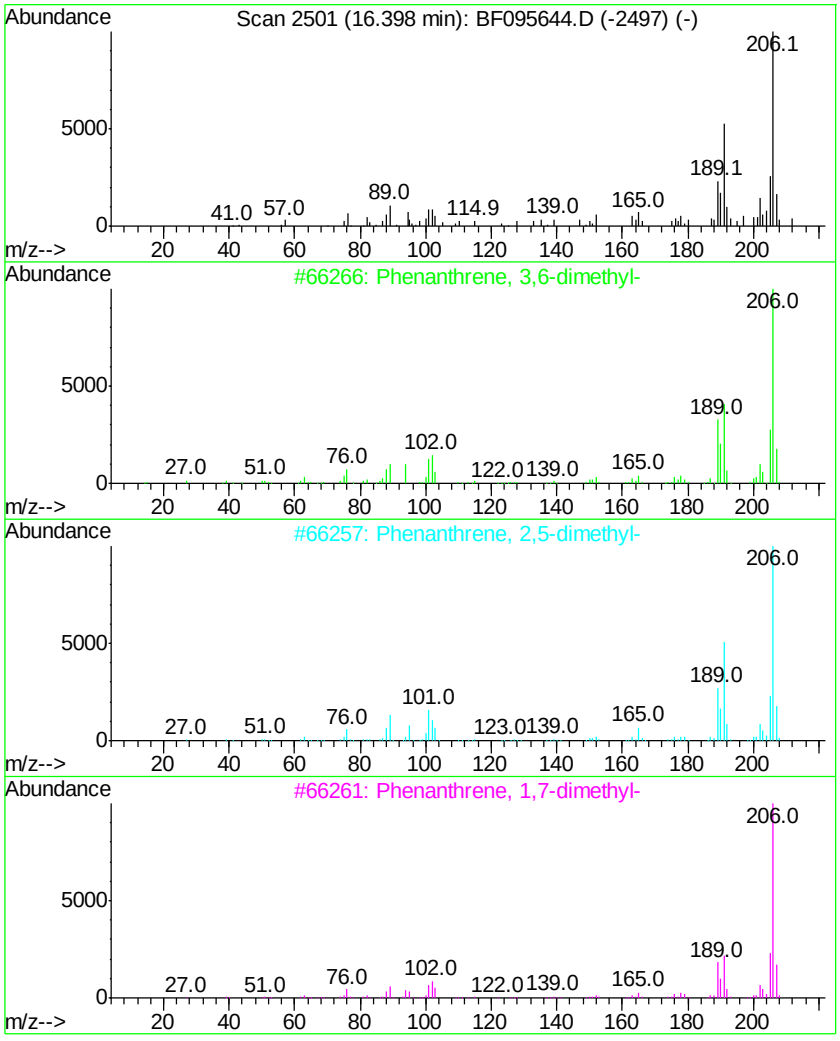
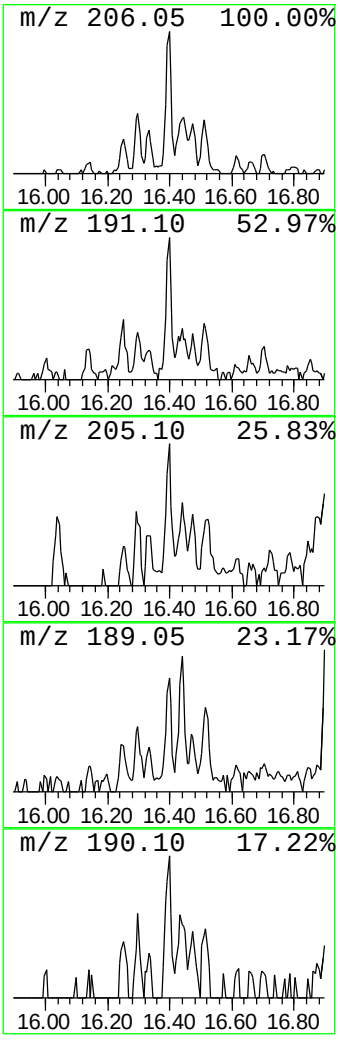
Peak Number 9 Phenanthrene, 3,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.40	2.88 ng	68285	Phenanthrene-d10	14.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	95
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91





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Sample : I3441-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-RO-6710-060117

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
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TIC Integration Parameters: LSCINT.P

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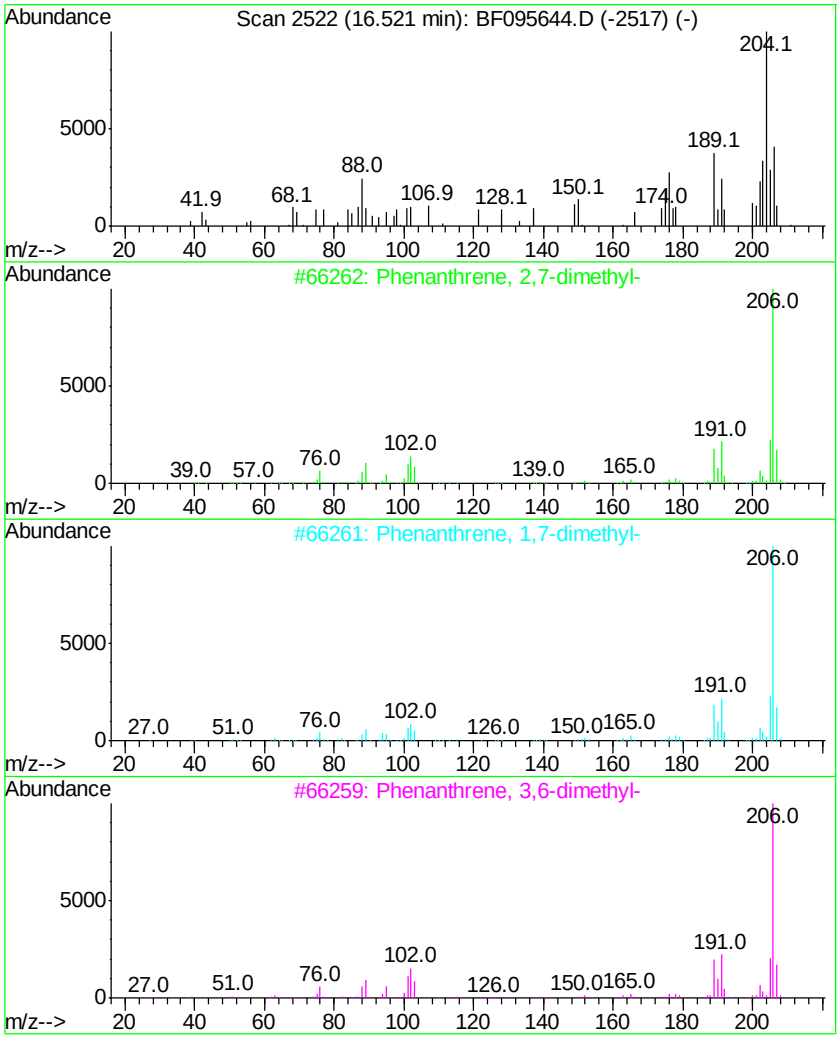
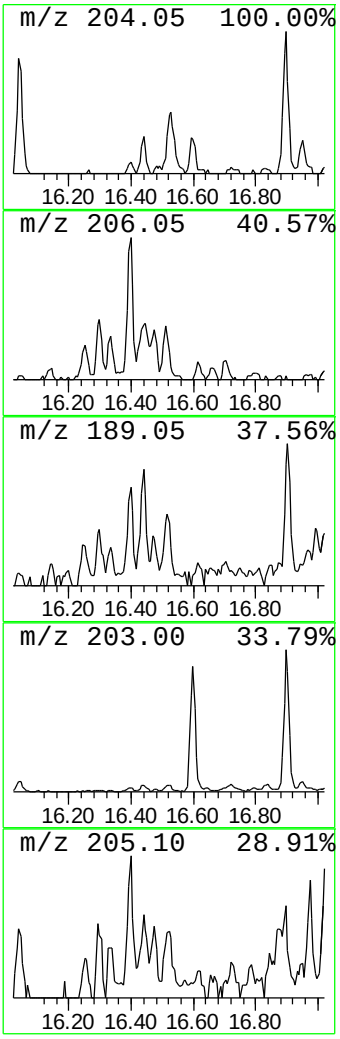
Peak Number 10 Phenanthrene, 2,7-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.52	2.17 ng	51495	Phenanthrene-d10	14.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	64
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	62
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	58
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	53
5	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	53





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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-RO-6710-060117

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
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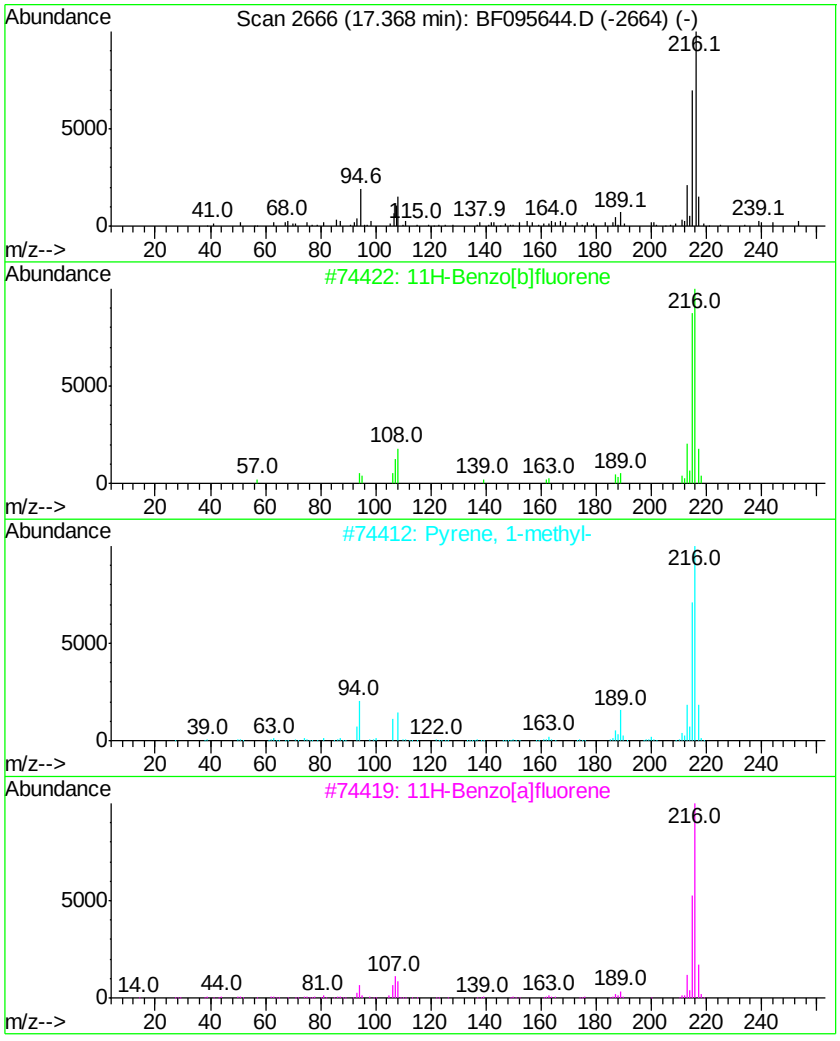
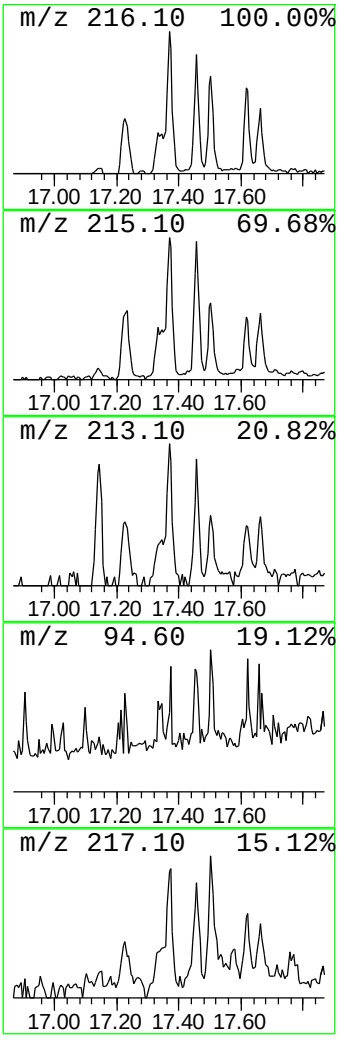
Peak Number 11 11H-Benzo[b]fluorene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.37	2.46 ng	92499	Chrysene-d12	18.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	81
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76





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Sample : I3441-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-RO-6710-060117

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050217.M
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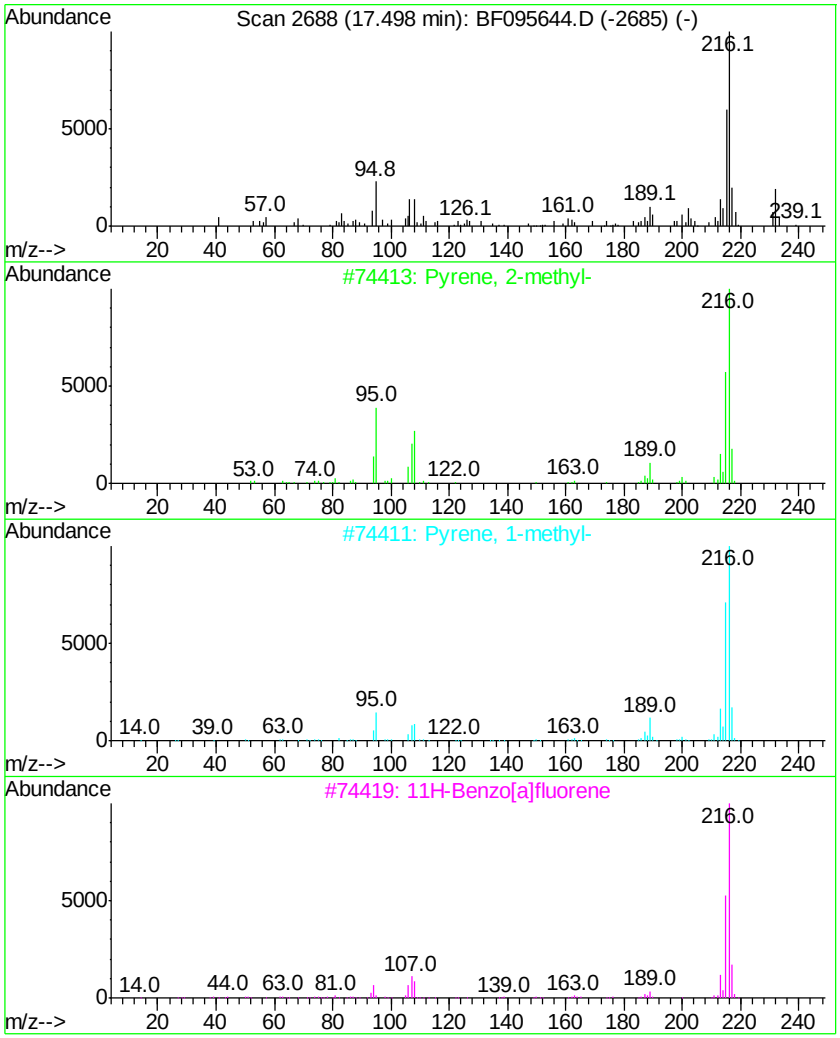
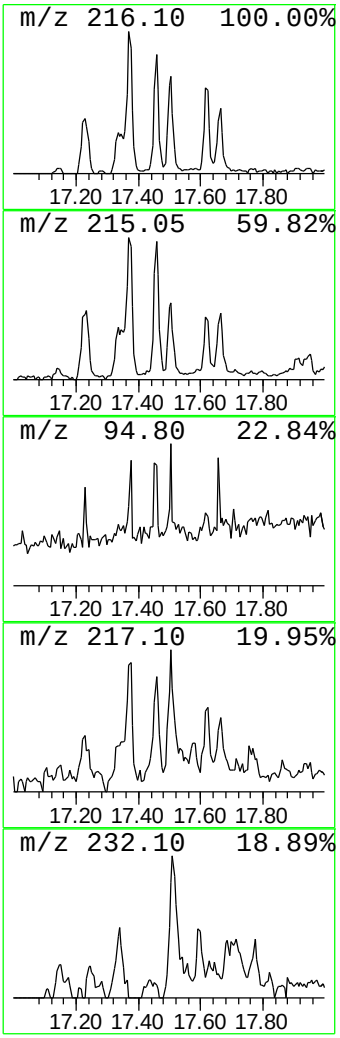
Peak Number 12 Pyrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.50	2.57 ng	96724	Chrysene-d12	18.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	89
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	58
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	58
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	49
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	49





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Sample : I3441-07
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-RO-6710-060117

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

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

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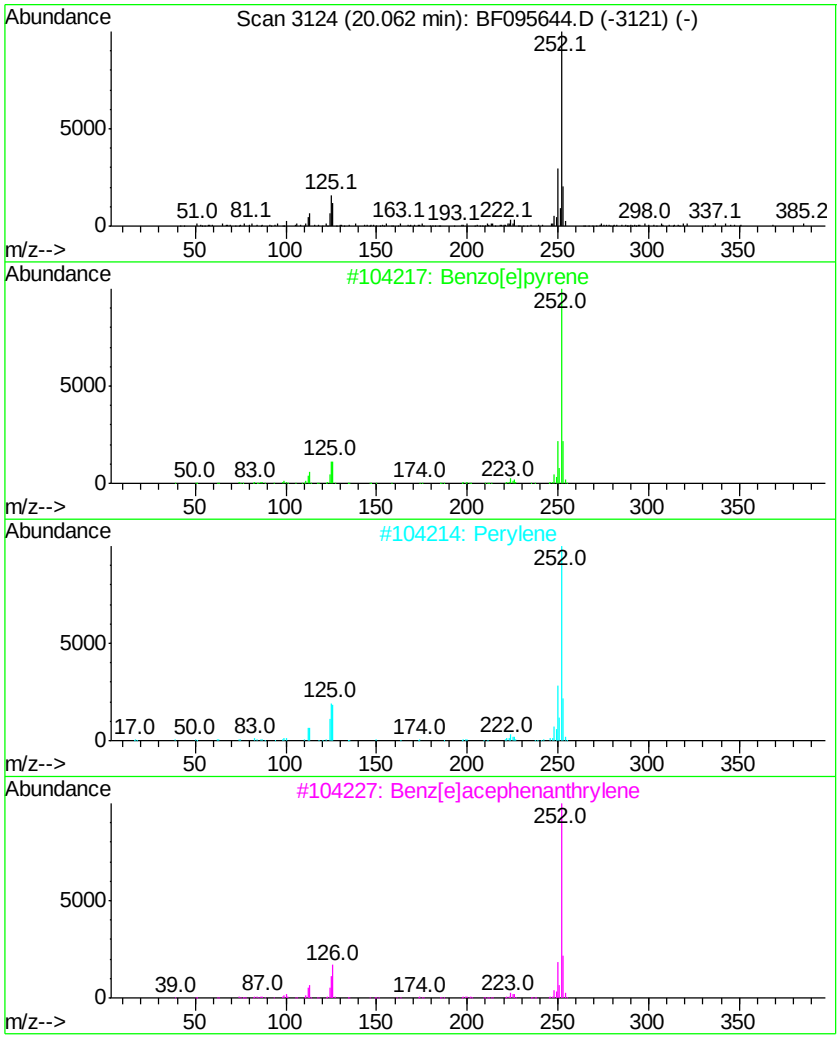
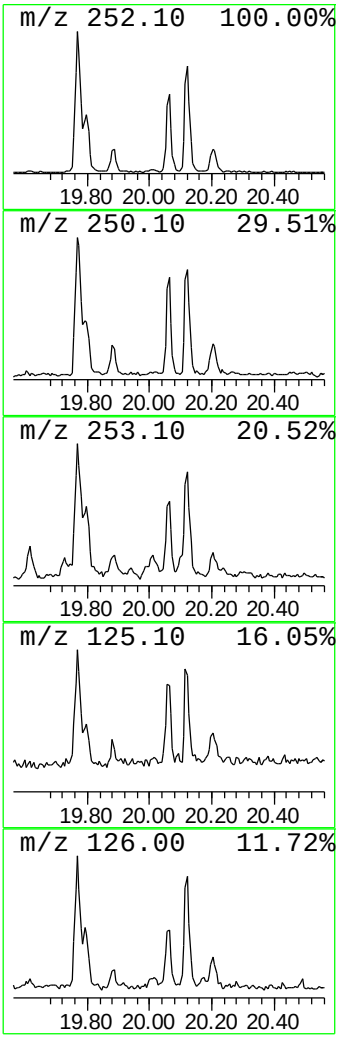
Peak Number 13 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.06	6.13 ng	94642	Perylene-d12	20.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Perylene	252	C20H12	000198-55-0	97
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
4	Benzo[a]pyrene	252	C20H12	000050-32-8	94
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060217\
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Instrument : BNA_F
ClientSampleId : OR-RO-6710-060117

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...	4.77	4.5	ng	104090	1	7.54	464340	20.0
unknown7.20	7.20	62.5	ng	1450990	1	7.54	464340	20.0
Phenanthrene, 1-m...	15.59	2.5	ng	60032	4	14.80	474538	20.0
Phenanthrene, 2-m...	15.63	3.3	ng	78674	4	14.80	474538	20.0
4H-Cyclopenta[def...	15.74	4.1	ng	97862	4	14.80	474538	20.0
unknown15.79	15.79	4.8	ng	114197	4	14.80	474538	20.0
9,10-Bis(bromomet...	16.04	2.1	ng	49057	4	14.80	474538	20.0
Phenanthrene, 3,6...	16.40	2.9	ng	68285	4	14.80	474538	20.0
Phenanthrene, 2,7...	16.52	2.2	ng	51495	4	14.80	474538	20.0
11H-Benzo[b]fluorene	17.37	2.5	ng	92499	5	18.50	753339	20.0
Pyrene, 2-methyl-	17.50	2.6	ng	96724	5	18.50	753339	20.0
Benzo[e]pyrene	20.06	6.1	ng	94642	6	20.17	309027	20.0