LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022717\
Data File : BF093231.D
Acq On : 28 Feb 2017 3:32
Operator : SJ/MA
Sample : I1972-12 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-B1-SW-5

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-BF013017.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	4.967	249	252	259	rBV	192024	226087	5.47%	0.426%
2	5.413	289	291	300	rBV	612271	655525	15.87%	1.236%
3	6.464	381	383	390	rBV	621286	727886	17.62%	1.372%
4	6.590	392	394	396	rBV	789761	669460	16.21%	1.262%
5	6.819	412	414	416	rBV	1241274	1046119	25.33%	1.972%
6	6.979	425	428	430	rBV	363373	495370	11.99%	0.934%
7	7.390	462	464	466	rBV	301412	355827	8.61%	0.671%
8	8.110	524	527	531	rBV2	944143	1567428	37.95%	2.955%
9	8.819	587	589	591	rBV	263446	227282	5.50%	0.428%
10	8.910	595	597	599	rVB	105573	119949	2.90%	0.226%
11	9.173	618	620	623	rBV	567641	637602	15.44%	1.202%
12	9.276	625	629	632	rBV2	78161	106159	2.57%	0.200%
13	9.379	636	638	641	rVB	35641	46778	1.13%	0.088%
14	9.448	641	644	646	rBV	73576	102384	2.48%	0.193%
15	9.516	648	650	651	rBV	115465	111826	2.71%	0.211%
16	9.539	651	652	654	rVV	60023	59530	1.44%	0.112%
17	9.573	654	655	658	rVB2	52568	58969	1.43%	0.111%
18	9.630	658	660	665	rVB	52292	65726	1.59%	0.124%
19	9.722	665	668	670	rBV	215687	234930	5.69%	0.443%
20	9.790	670	674	676	rBV	46080	56932	1.38%	0.107%
21	9.859	676	680	681	rBV	1318866	1271276	30.78%	2.396%
22	9.893	681	683	685	rVB	552445	624701	15.12%	1.178%
23	10.008	691	693	695	rBV2	49233	81578	1.98%	0.154%
24	10.065	695	698	700	rVV	417685	427788	10.36%	0.806%
25	10.099	700	701	703	rVB2	48600	50377	1.22%	0.095%
26	10.282	713	717	719	rBV2	83434	133671	3.24%	0.252%
27	10.408	726	728	730	rVB	516158	527539	12.77%	0.994%
28	10.465	730	733	734	rBV	50328	93935	2.27%	0.177%
29	10.488	734	735	740	rVV2	89799	211501	5.12%	0.399%
30	10.556	740	741	743	rVB	95674	118559	2.87%	0.223%
31	10.648	746	749	751	rBV	427523	467963	11.33%	0.882%
32	10.693	751	753	754	rVB2	39083	46345	1.12%	0.087%
33	10.773	757	760	763	rVB2	127346	218580	5.29%	0.412%
34	10.956	772	776	777	rBV2	154667	235618	5.70%	0.444%

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Misc :
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Instrument : BNA_F
ClientSampleId : E2-B1-SW-5

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
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Stop Thrs : 0 Peak Location: TOP

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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.105	785	789	791	rVV2	75099	143357	3.47%	0.270%
36	11.151	791	793	795	rVB	211927	184914	4.48%	0.349%
37	11.208	795	798	799	rBV2	158737	244234	5.91%	0.460%
38	11.242	799	801	804	rVB	294782	342576	8.29%	0.646%
39	11.345	807	810	811	rBV	1091517	1208768	29.26%	2.279%
40	11.368	811	812	814	rVV	2966967	3287984	79.60%	6.198%
41	11.425	814	817	818	rVV	848849	1012563	24.51%	1.909%
42	11.459	818	820	822	rVB2	74826	93861	2.27%	0.177%
43	11.585	827	831	834	rBV2	365659	618729	14.98%	1.166%
44	11.631	834	835	838	rBV3	95535	139223	3.37%	0.262%
45	11.676	838	839	841	rVB2	65104	71451	1.73%	0.135%
46	11.756	844	846	848	rVB2	45824	54427	1.32%	0.103%
47	11.848	851	854	855	rBV	372433	382774	9.27%	0.722%
48	11.871	855	856	858	rVB	477154	473726	11.47%	0.893%
49	11.916	858	860	862	rBV	138788	193026	4.67%	0.364%
50	11.962	862	864	868	rVB	550778	883654	21.39%	1.666%
51	12.042	868	871	873	rBV3	88875	213300	5.16%	0.402%
52	12.145	878	880	881	rVV	229482	266733	6.46%	0.503%
53	12.168	881	882	885	rVB	274697	310231	7.51%	0.585%
54	12.294	890	893	894	rBV	78267	110705	2.68%	0.209%
55	12.316	894	895	897	rBV	68297	103616	2.51%	0.195%
56	12.396	899	902	903	rBV	212717	246551	5.97%	0.465%
57	12.431	903	905	908	rVB2	161291	236032	5.71%	0.445%
58	12.488	908	910	914	rBV	203951	243607	5.90%	0.459%
59	12.568	914	917	919	rBV	3102607	3826924	92.65%	7.214%
60	12.625	919	922	923	rVB2	90761	118832	2.88%	0.224%
61	12.648	923	924	926	rVB	48161	65334	1.58%	0.123%
62	12.705	926	929	931	rBV	206403	282470	6.84%	0.532%
63	12.796	933	937	939	rBV	2653893	4130511	100.00%	7.786%
64	12.842	939	941	944	rVB2	131190	181173	4.39%	0.342%
65	12.922	944	948	952	rVB3	413553	938609	22.72%	1.769%
66	13.002	952	955	957	rBV2	256537	454537	11.00%	0.857%
67	13.116	961	965	967	rVB	480876	729101	17.65%	1.374%
68	13.185	967	971	972	rBV	283882	369075	8.94%	0.696%
69	13.219	972	974	978	rVV2	428934	592810	14.35%	1.117%
70	13.276	978	979	980	rVV	76309	58328	1.41%	0.110%
71	13.311	980	982	983	rVV	228276	195350	4.73%	0.368%

LSC Area Percent Report

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Sample : I1972-12 5X
Misc :
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Instrument : BNA_F
ClientSampleId : E2-B1-SW-5

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
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Start Thrs: 0.2 Max Peaks: 100
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.345	983	985	989	rVB2	181861	260222	6.30%	0.491%
73	13.517	996	1000	1001	rBV4	89292	233947	5.66%	0.441%
74	13.539	1001	1002	1003	rVV	151511	133217	3.23%	0.251%
75	13.631	1006	1010	1012	rVV	310675	446608	10.81%	0.842%
76	13.734	1017	1019	1020	rBV	341586	334810	8.11%	0.631%
77	13.791	1022	1024	1026	rVV2	223544	393856	9.54%	0.742%
78	13.837	1026	1028	1031	rVB	328949	327404	7.93%	0.617%
79	13.905	1032	1034	1037	rVB	81561	124121	3.00%	0.234%
80	13.985	1037	1041	1043	rBV2	1884811	3807458	92.18%	7.177%
81	14.019	1043	1044	1046	rVV	1577076	1228122	29.73%	2.315%
82	14.088	1048	1050	1053	rVB2	221807	327494	7.93%	0.617%
83	14.214	1059	1061	1067	rVB4	204423	584121	14.14%	1.101%
84	14.339	1070	1072	1073	rBV	95011	129429	3.13%	0.244%
85	14.374	1073	1075	1076	rVV	365672	368889	8.93%	0.695%
86	14.408	1076	1078	1080	rVV3	189763	248264	6.01%	0.468%
87	14.454	1080	1082	1084	rVV2	138375	281454	6.81%	0.531%
88	14.499	1084	1086	1089	rVV3	162105	310789	7.52%	0.586%
89	14.568	1090	1092	1095	rVB3	116347	142534	3.45%	0.269%
90	14.682	1100	1102	1107	rVB4	121502	223100	5.40%	0.421%
91	14.854	1115	1117	1121	rBV	155979	225205	5.45%	0.425%
92	15.014	1128	1131	1135	rBV	1357021	2723613	65.94%	5.134%
93	15.117	1138	1140	1142	rBV	243558	275397	6.67%	0.519%
94	15.197	1145	1147	1150	rBV2	91554	226190	5.48%	0.426%
95	15.300	1153	1156	1159	rVB	736282	967280	23.42%	1.823%
96	15.357	1159	1161	1164	rBV	851657	1271395	30.78%	2.397%
97	15.414	1164	1166	1168	rBV	475694	717633	17.37%	1.353%
98	16.820	1285	1289	1293	rBV	418783	844114	20.44%	1.591%
99	16.980	1300	1303	1306	rBV	97431	225935	5.47%	0.426%
100	17.243	1323	1326	1332	rVB	291553	577546	13.98%	1.089%

Sum of corrected areas: 53050443

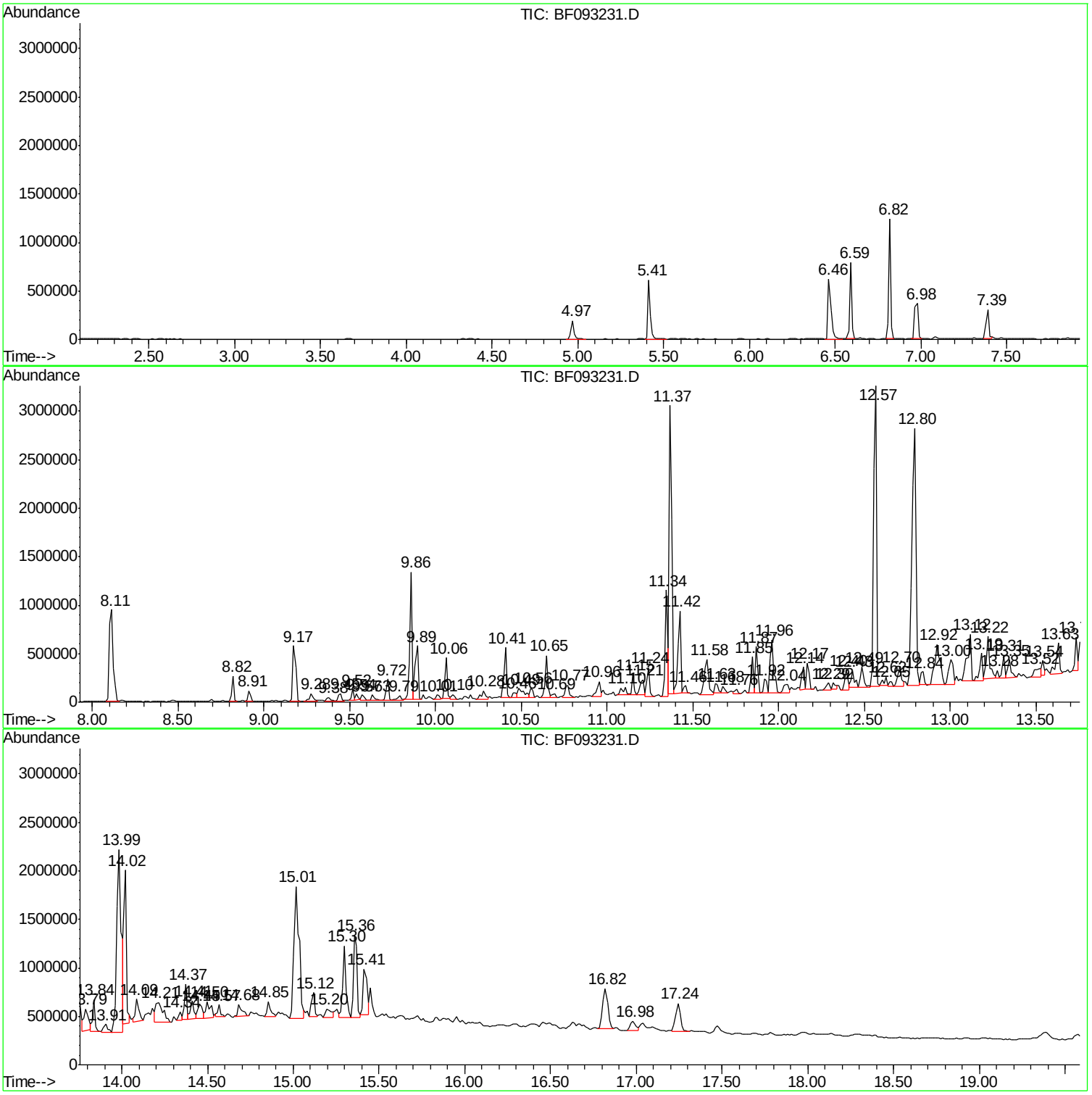
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022717\
Data File : BF093231.D
Acq On : 28 Feb 2017 3:32
Operator : SJ/MA
Sample : I1972-12 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-B1-SW-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA F\DATA\BF022717\
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Sample : I1972-12 5X
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ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-B1-SW-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

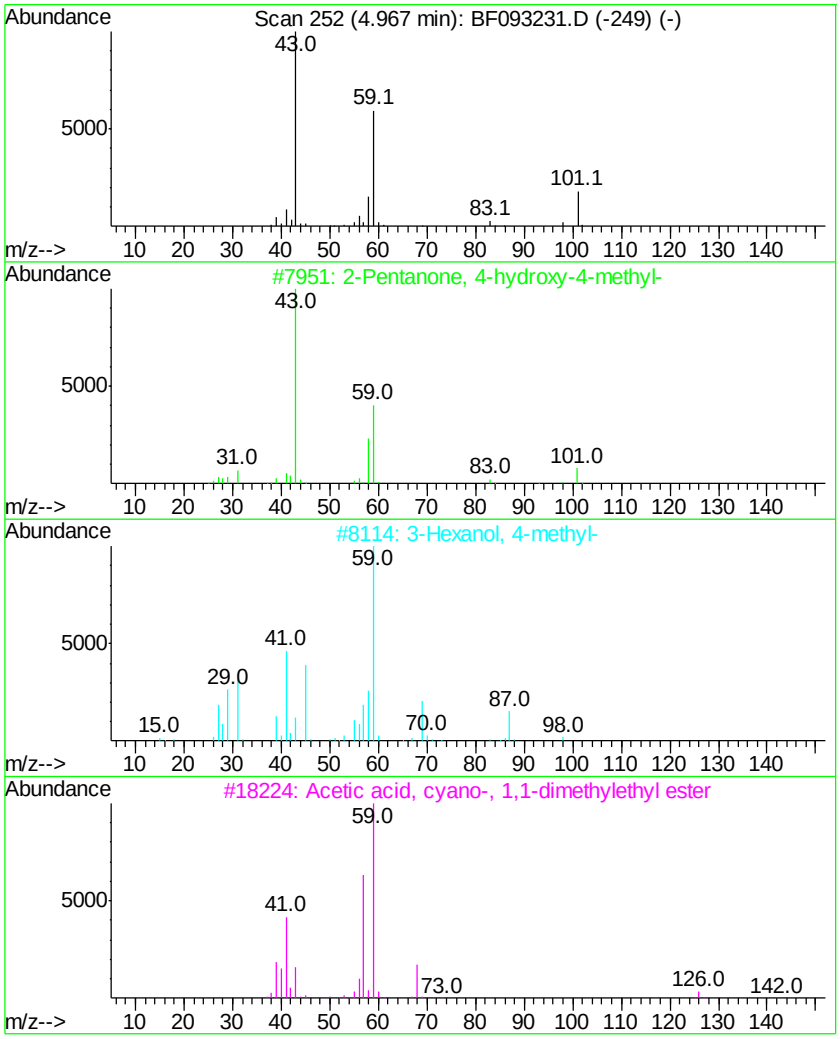
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

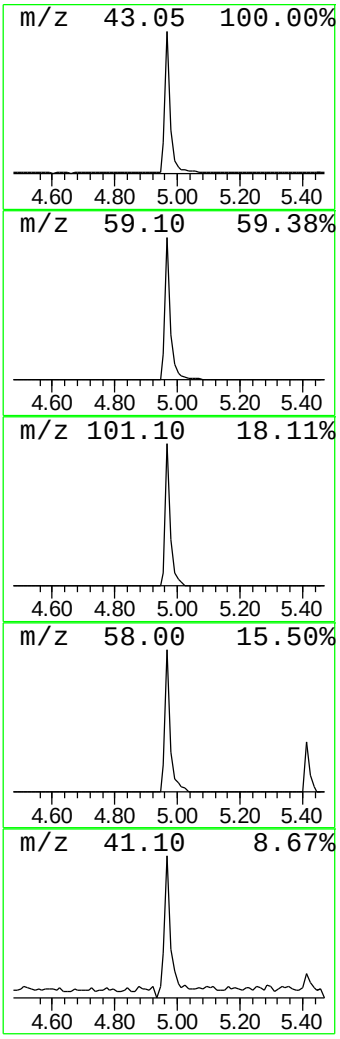
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.97	4.32 ng	226087	1,4-Dichlorobenzene-d4	6.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
4	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	23
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF022717\
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Acq On : 28 Feb 2017 3:32
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Sample : I1972-12 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-B1-SW-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

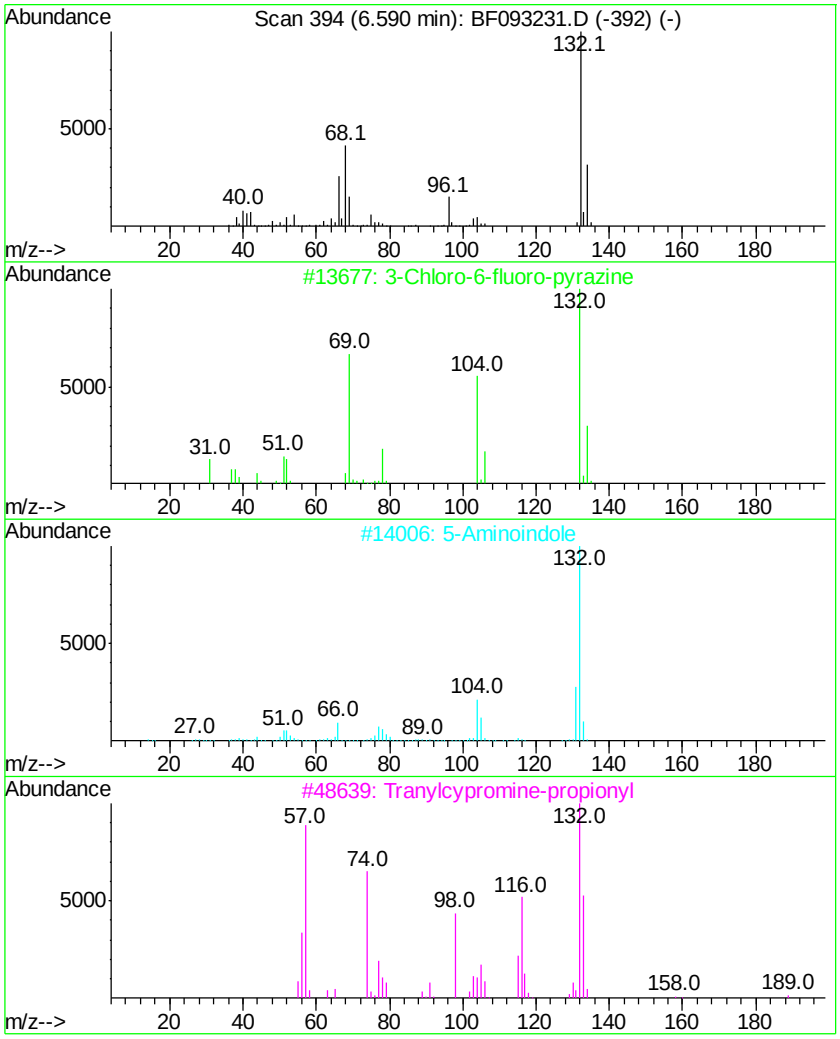
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

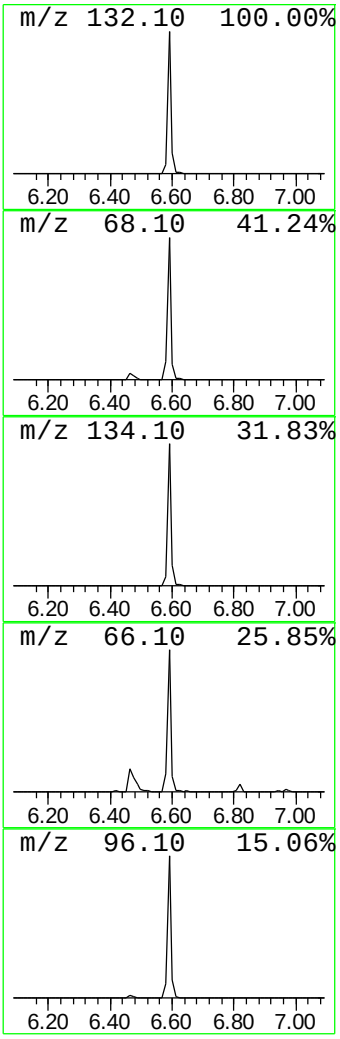
****

Peak Number 2 unknown6.59 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.59	12.80 ng	669460	1,4-Dichlorobenzene-d4	6.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	10
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





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Instrument : BNA_F
ClientSampleId : E2-B1-SW-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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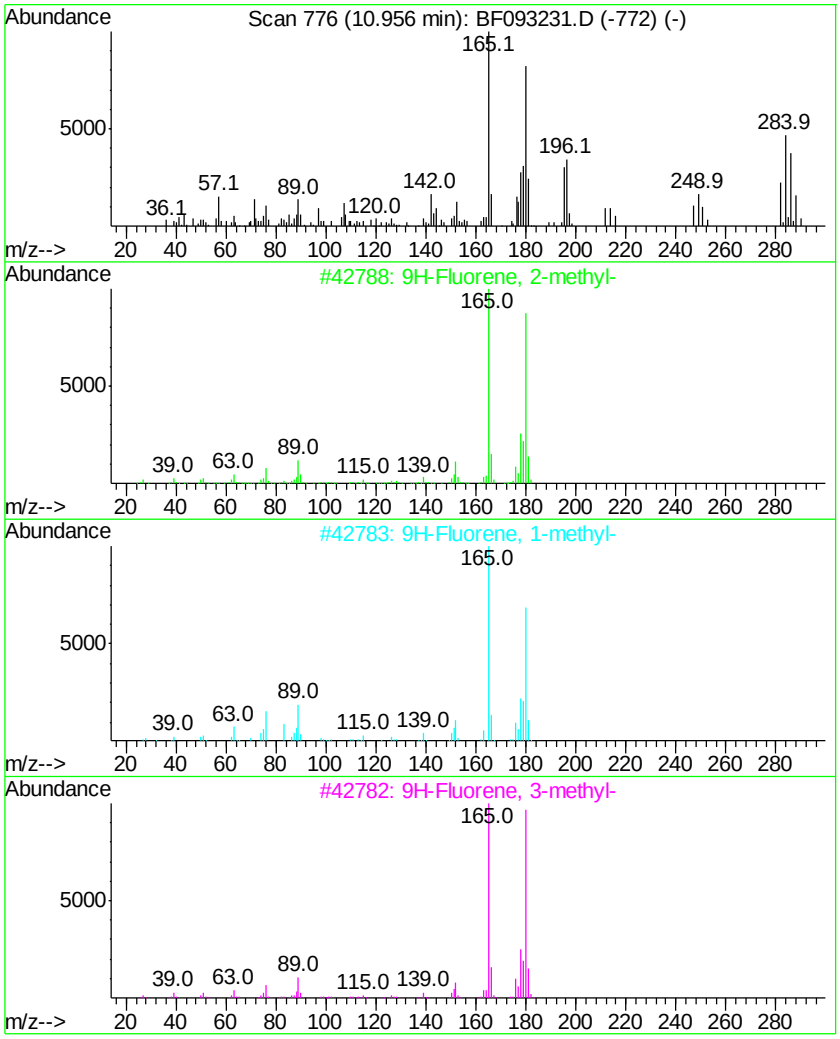
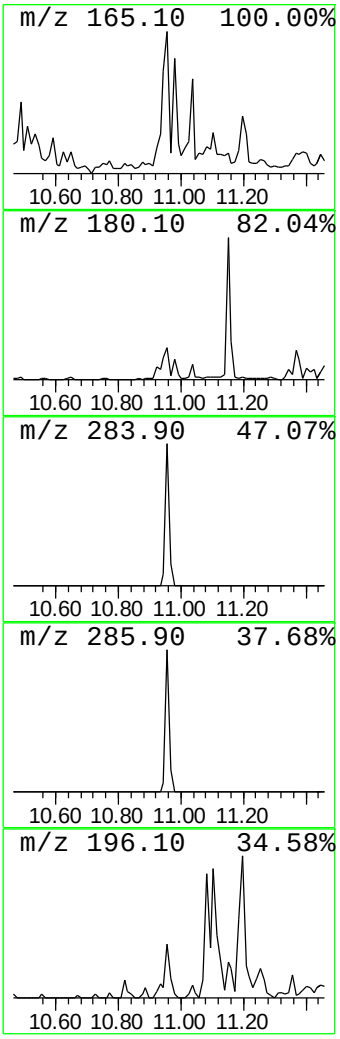
Peak Number 4 9H-Fluorene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.96	3.90 ng	235618	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	95
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	89
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	50
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	50
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	50





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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-B1-SW-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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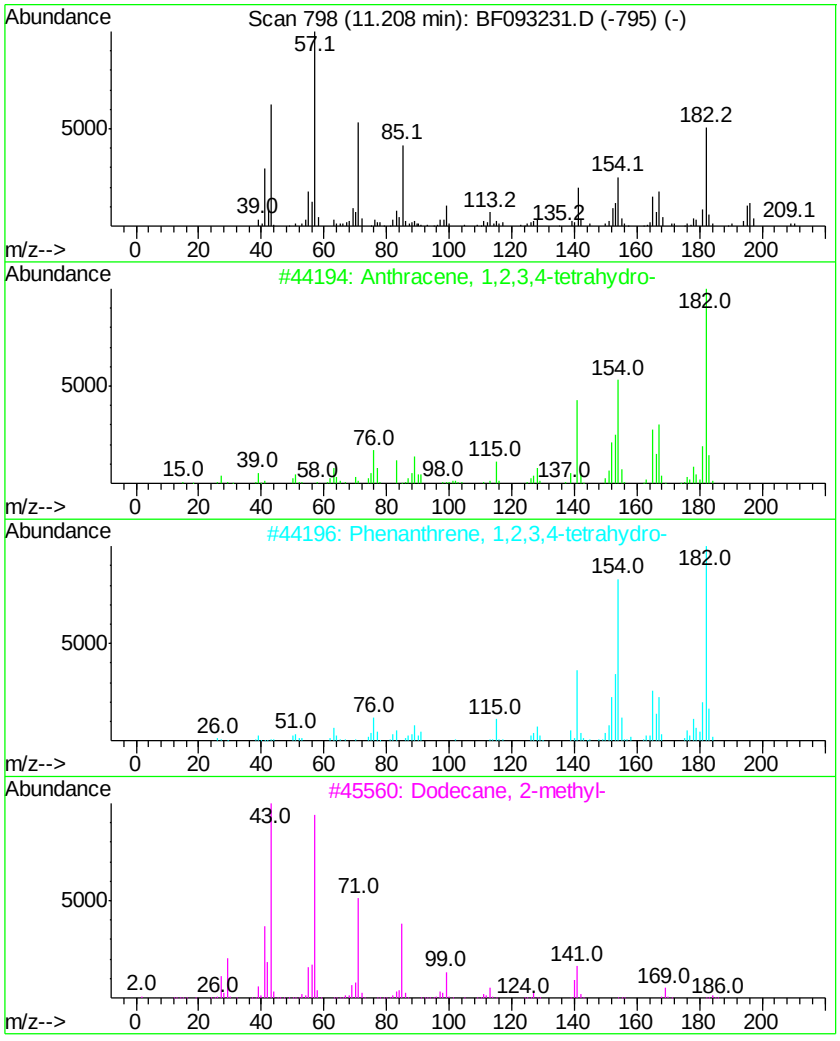
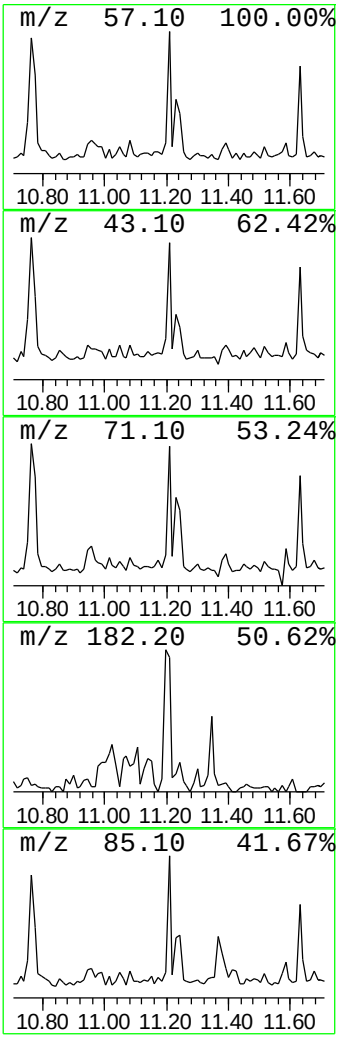
Peak Number 5 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.21	4.04 ng	244234	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	89
2	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	42
3	Dodecane, 2-methyl-	184	C13H28	001560-97-0	38
4	Tridecane	184	C13H28	000629-50-5	35
5	Tridecane, 6-propyl-	226	C16H34	055045-10-8	30





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Data File : BF093231.D
Acq On : 28 Feb 2017 3:32
Operator : SJ/MA
Sample : I1972-12 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-B1-SW-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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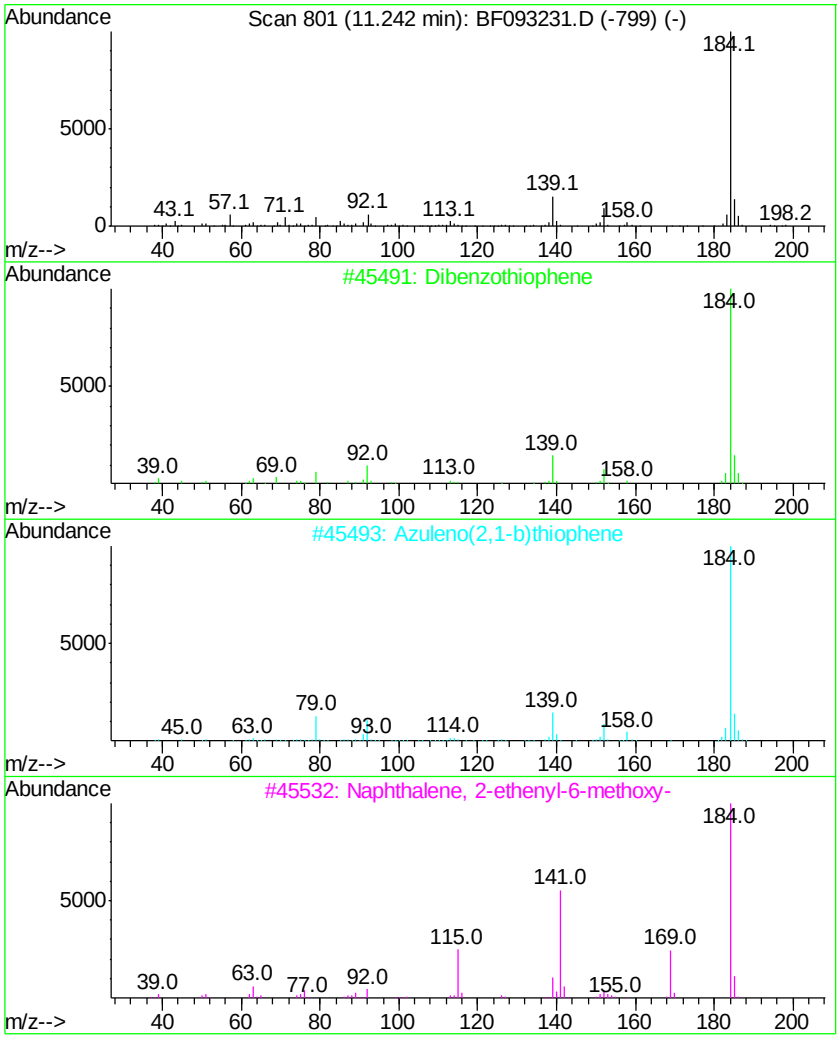
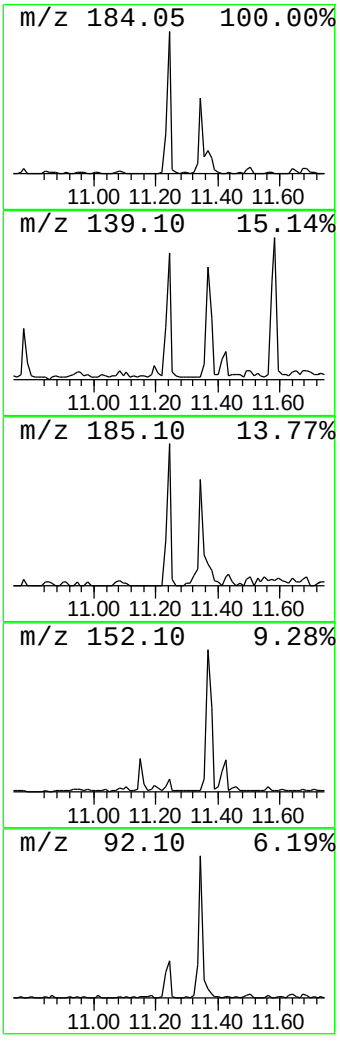
Peak Number 6 Dibenzothiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.24	5.67 ng	342576	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
3	Naphthalene, 2-ethenyl-6-methoxy-	184	C13H12O	063444-51-9	72
4	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72
5	1,1'-Biphenyl, 3-methoxy-	184	C13H12O	002113-56-6	50





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Acq On : 28 Feb 2017 3:32
Operator : SJ/MA
Sample : I1972-12 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-B1-SW-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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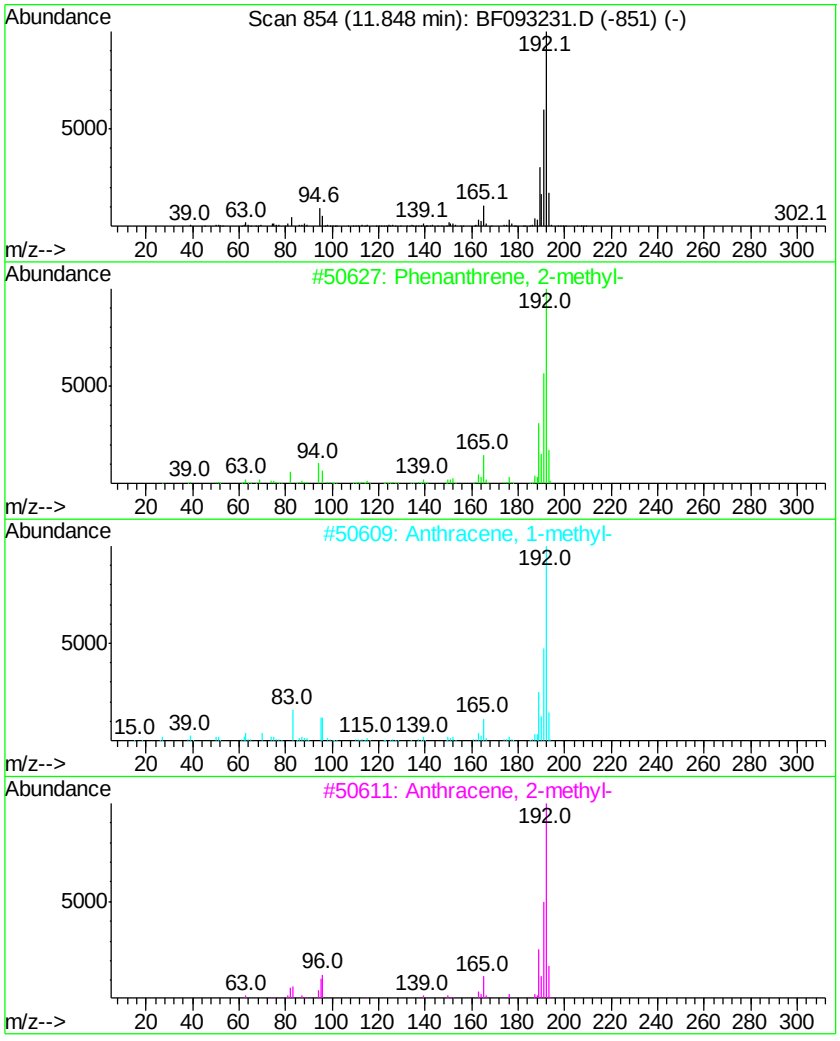
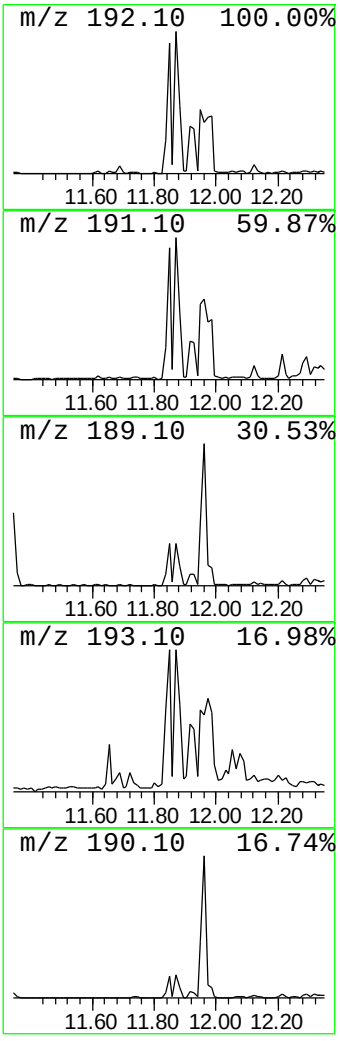
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	6.33 ng	382774	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90





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Sample : I1972-12 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-B1-SW-5

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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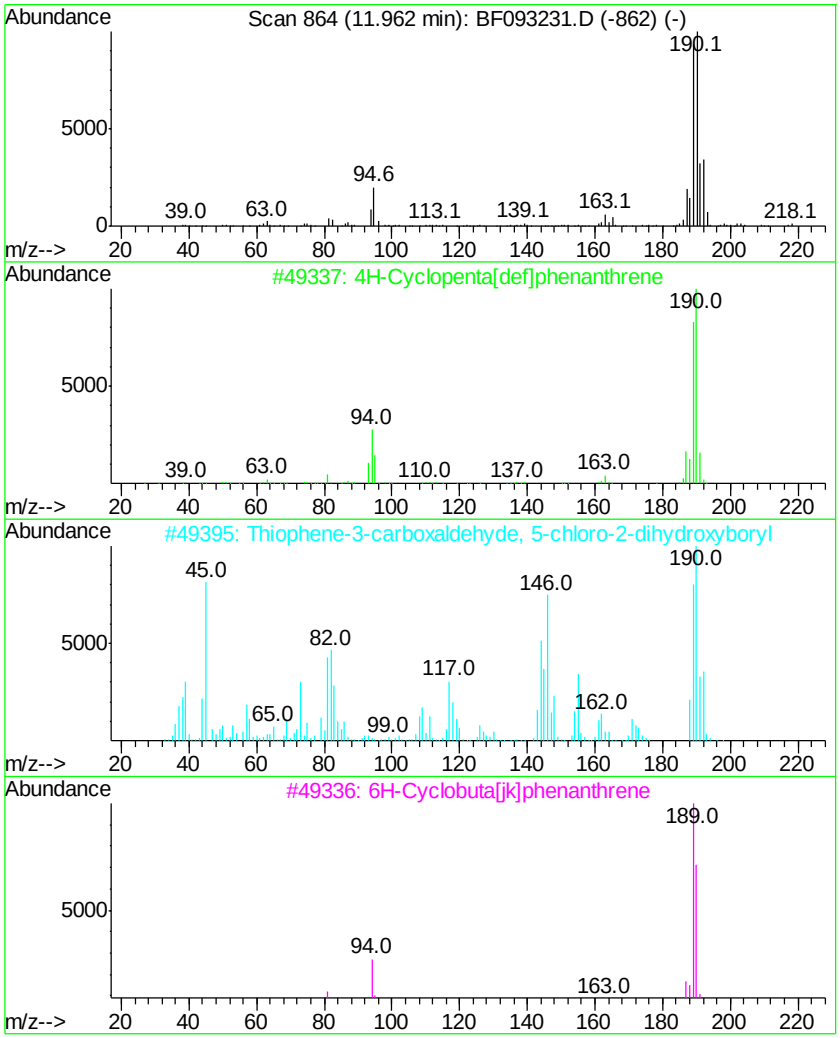
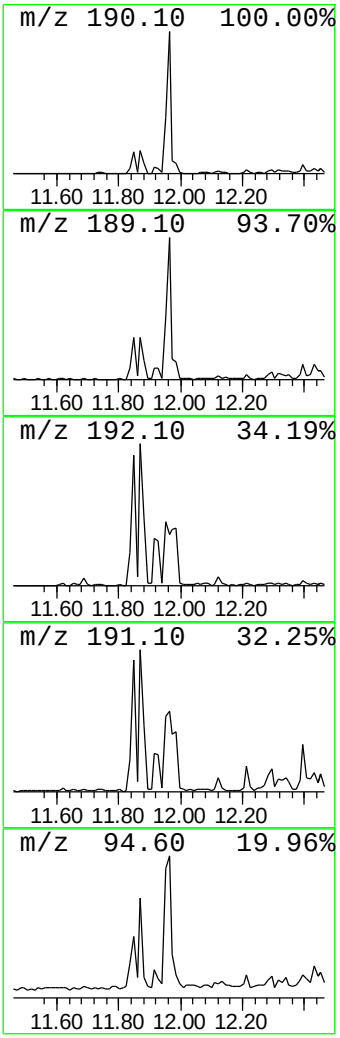
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	14.62 ng	883654	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	4-Cyano-4-hydroxy-3-methyl-2-phe...	216	C13H16N2O	1000216-11-7	22





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Sample : I1972-12 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-B1-SW-5

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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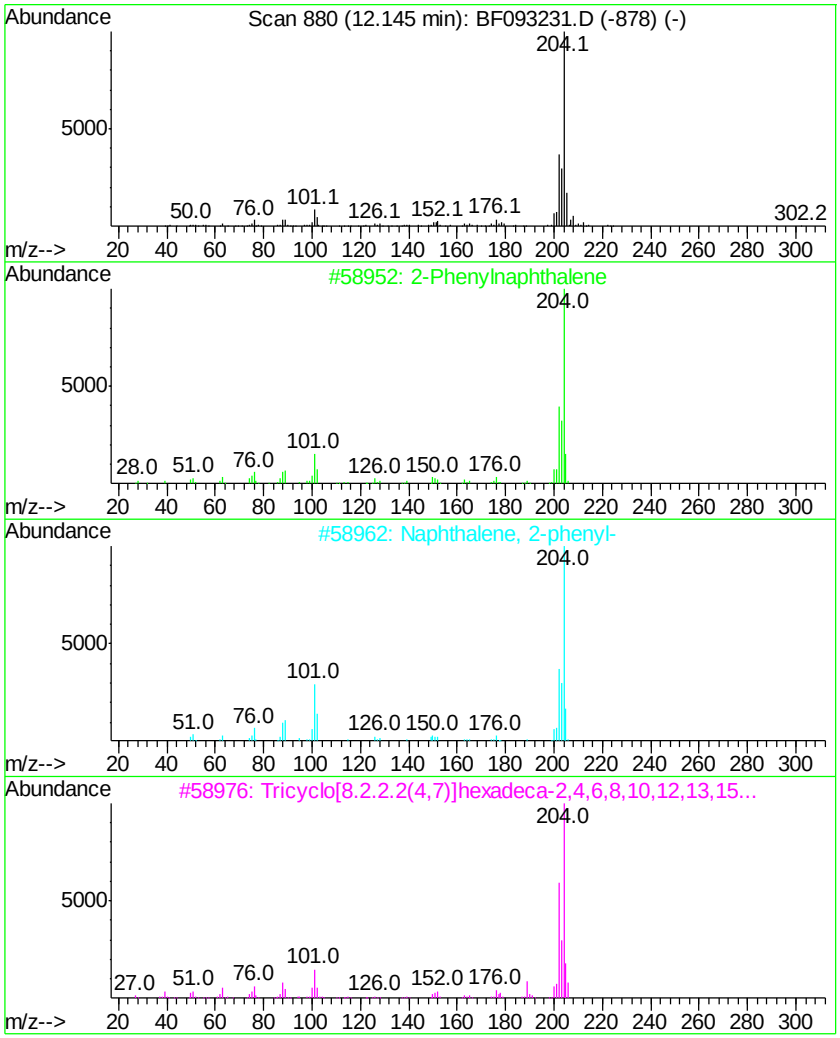
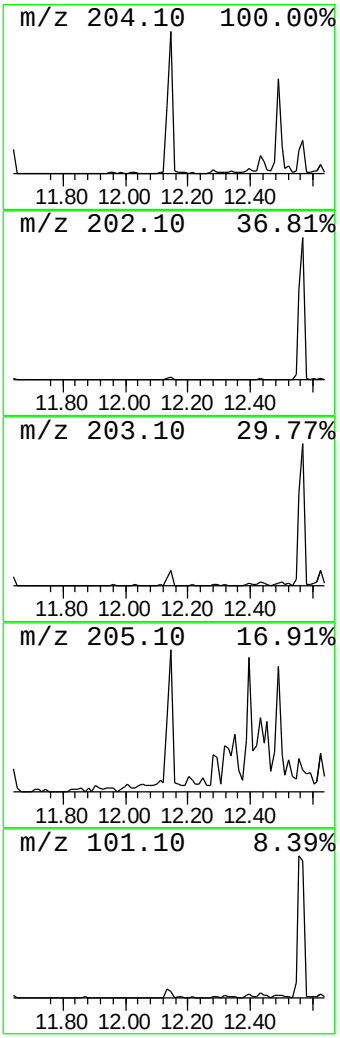
Peak Number 10 2-Phenylnaphthalene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	4.41 ng	266733	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	76
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	68
4	Imidazo[2,1-b]thiazole, 2,3,5,6-...	204	C11H12N2S	014769-73-4	58
5	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	53





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Sample : I1972-12 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-B1-SW-5

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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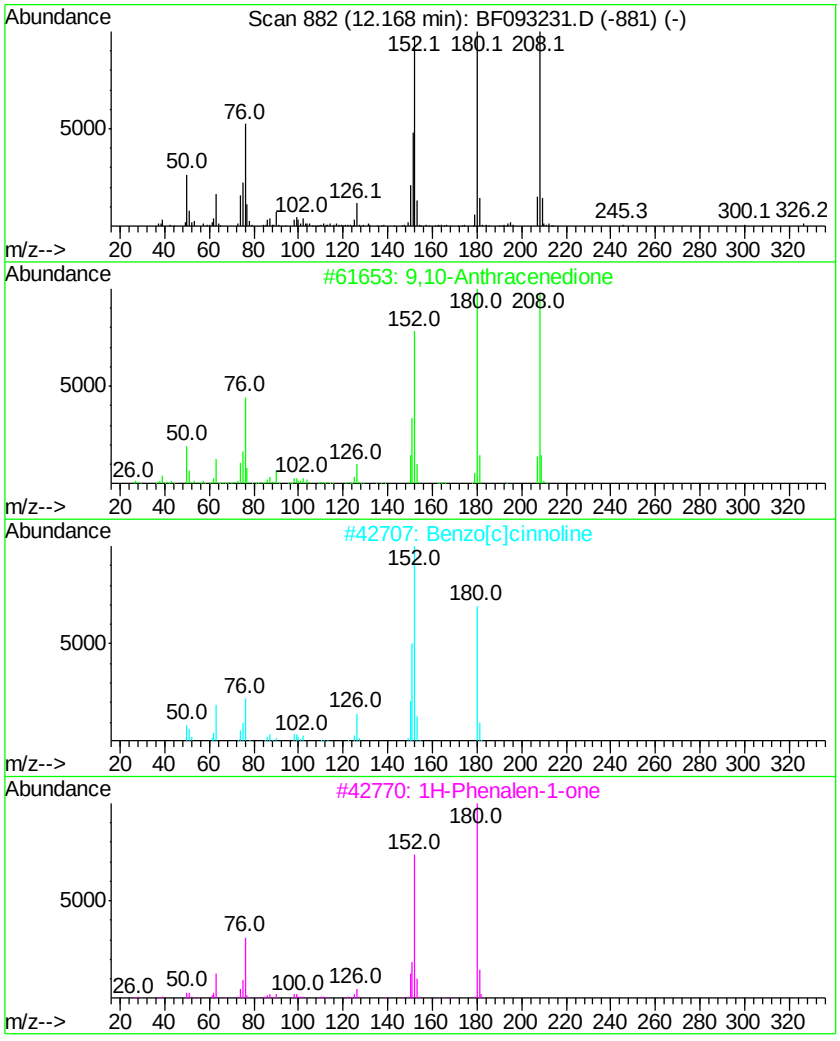
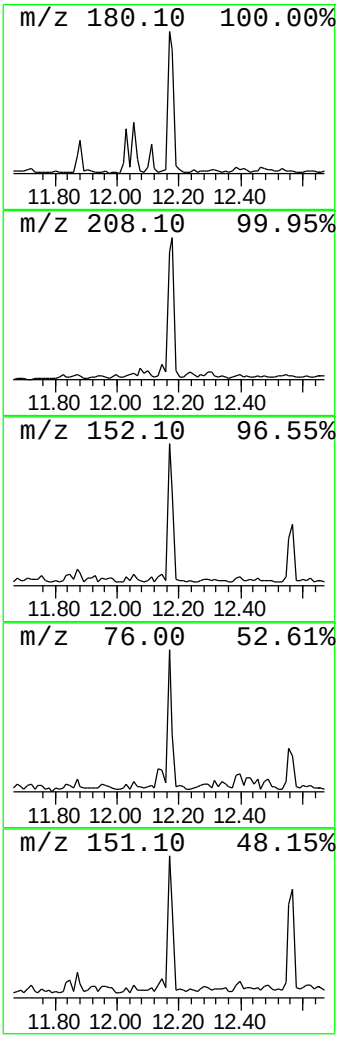
Peak Number 11 9,10-Anthracenedione Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	5.13 ng	310231	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	91
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	64
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	58
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	53





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Sample : I1972-12 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-B1-SW-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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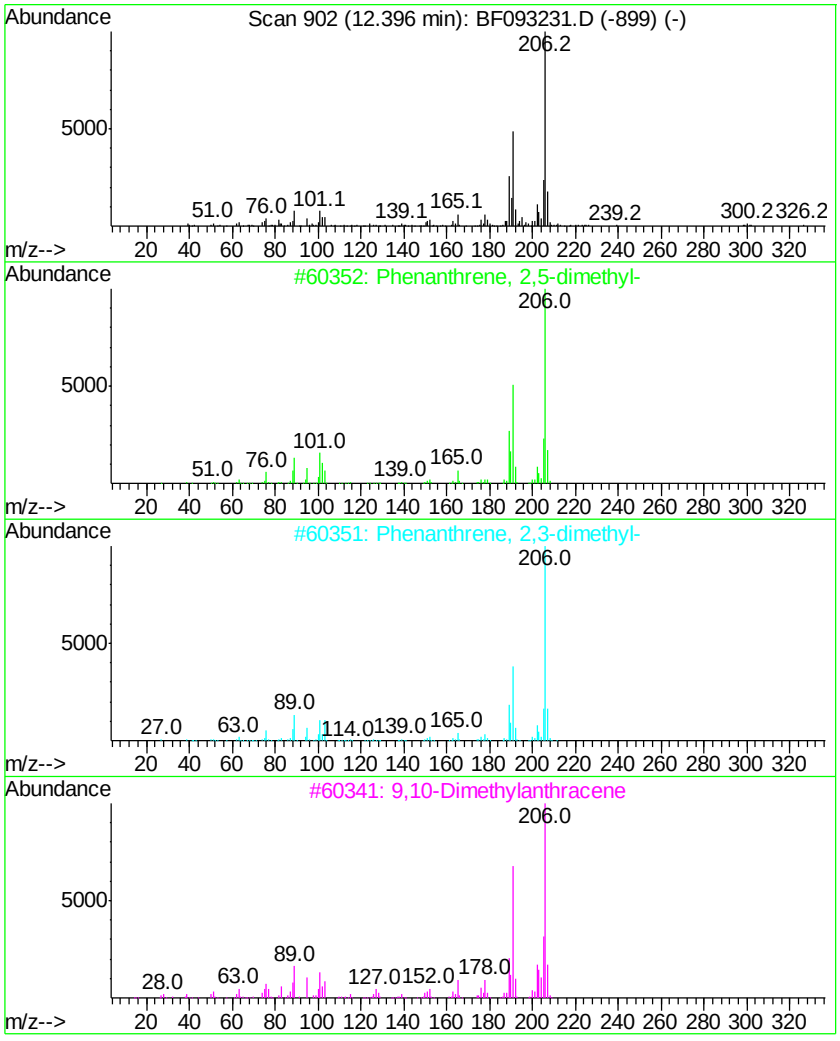
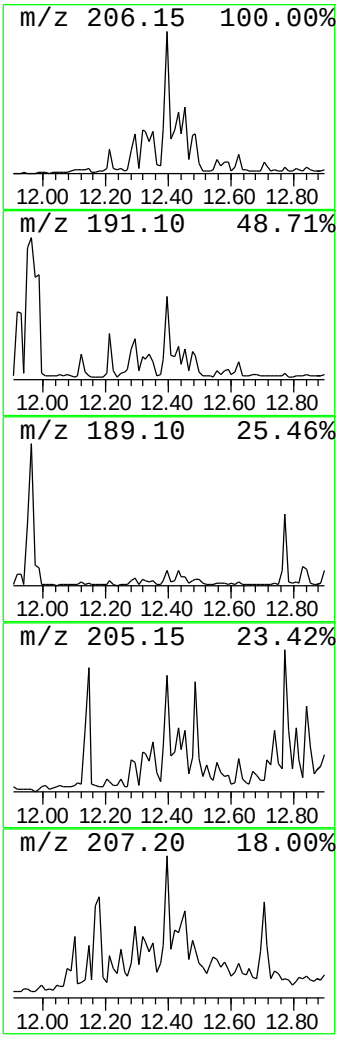
Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	4.08 ng	246551	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86





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Sample : I1972-12 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

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ClientSampleId : E2-B1-SW-5

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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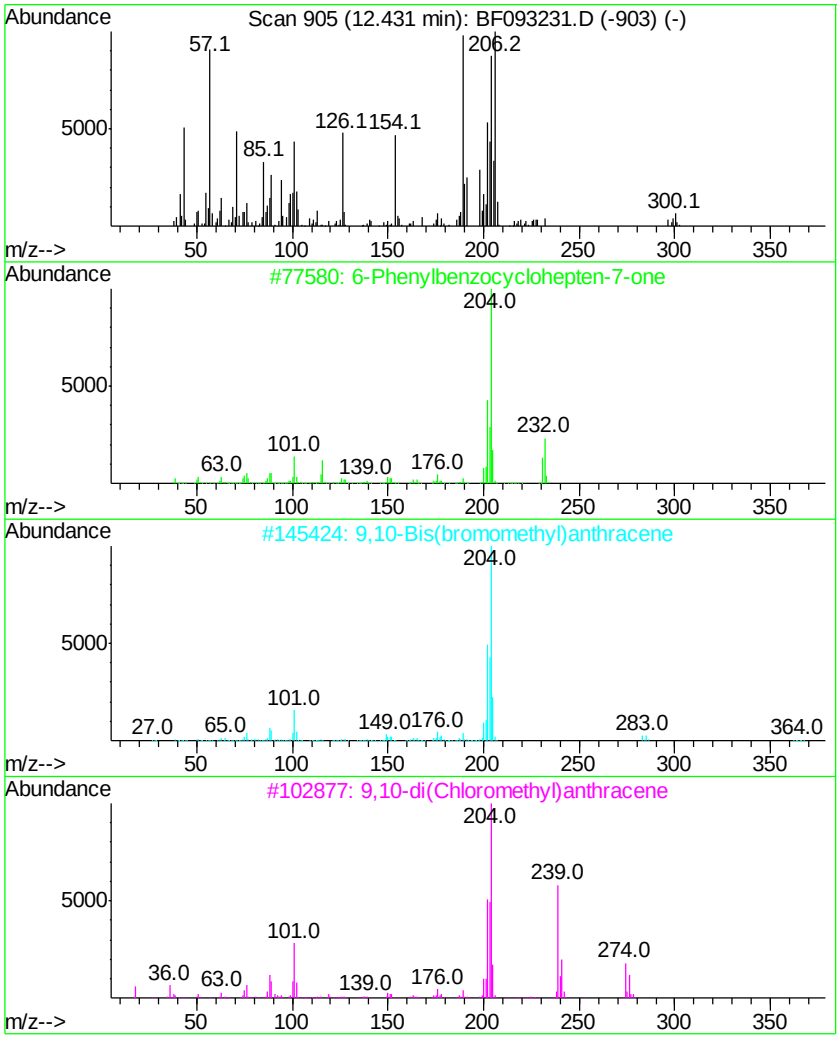
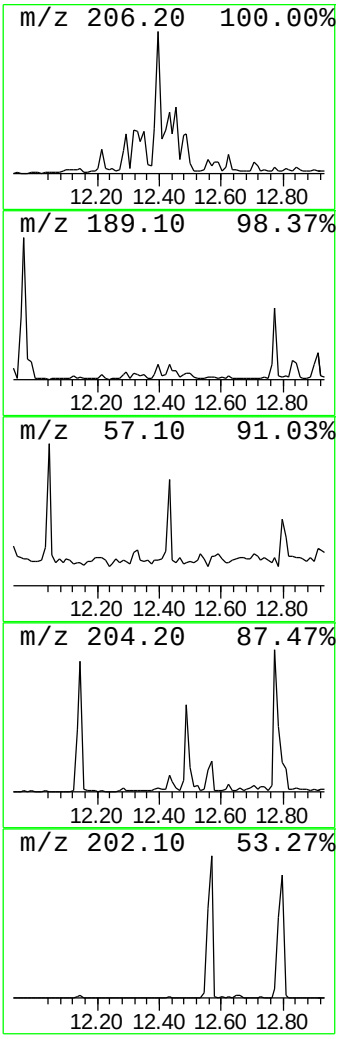
Peak Number 13 unknown12.43 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	3.91 ng	236032	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	38
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	35
3	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	27
4	Benzene, 4-bromo-1-chloro-2-methyl-	204	C7H6BrCl	054932-72-8	22
5	Propanehydrazide, N2-(4-bromo-2-...	260	C9H10BrFN2O	1000272-78-2	22





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Sample : I1972-12 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-B1-SW-5

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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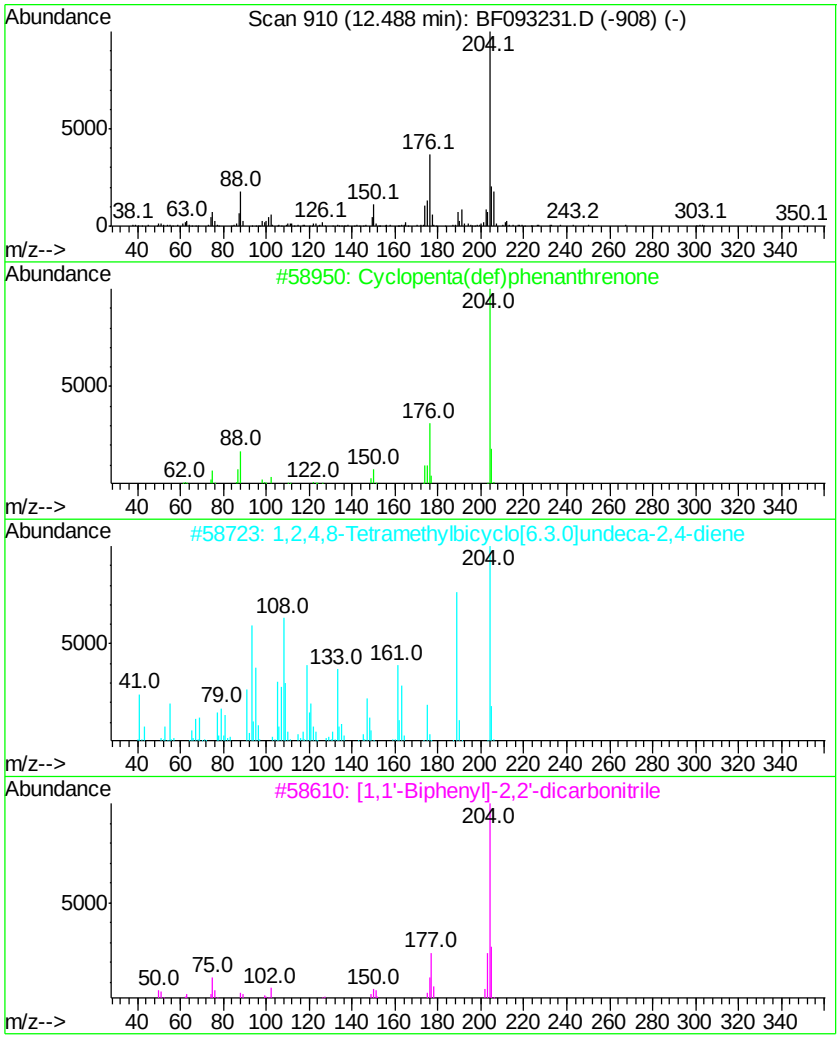
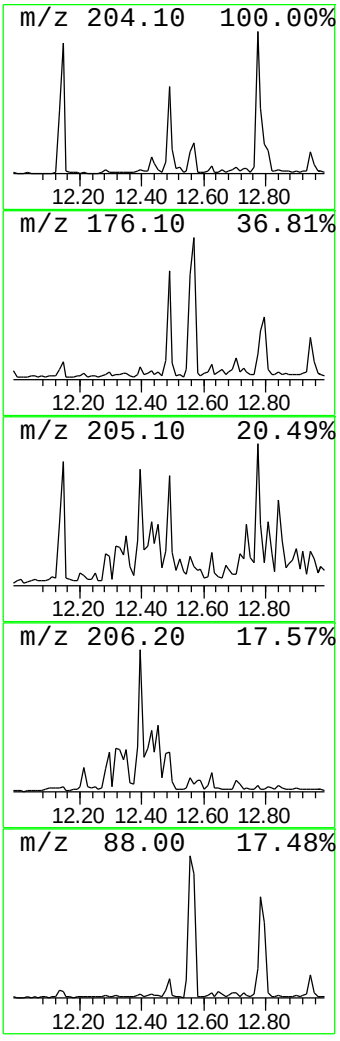
Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	4.03 ng	243607	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	53
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	50
4	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	47
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	47





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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-B1-SW-5

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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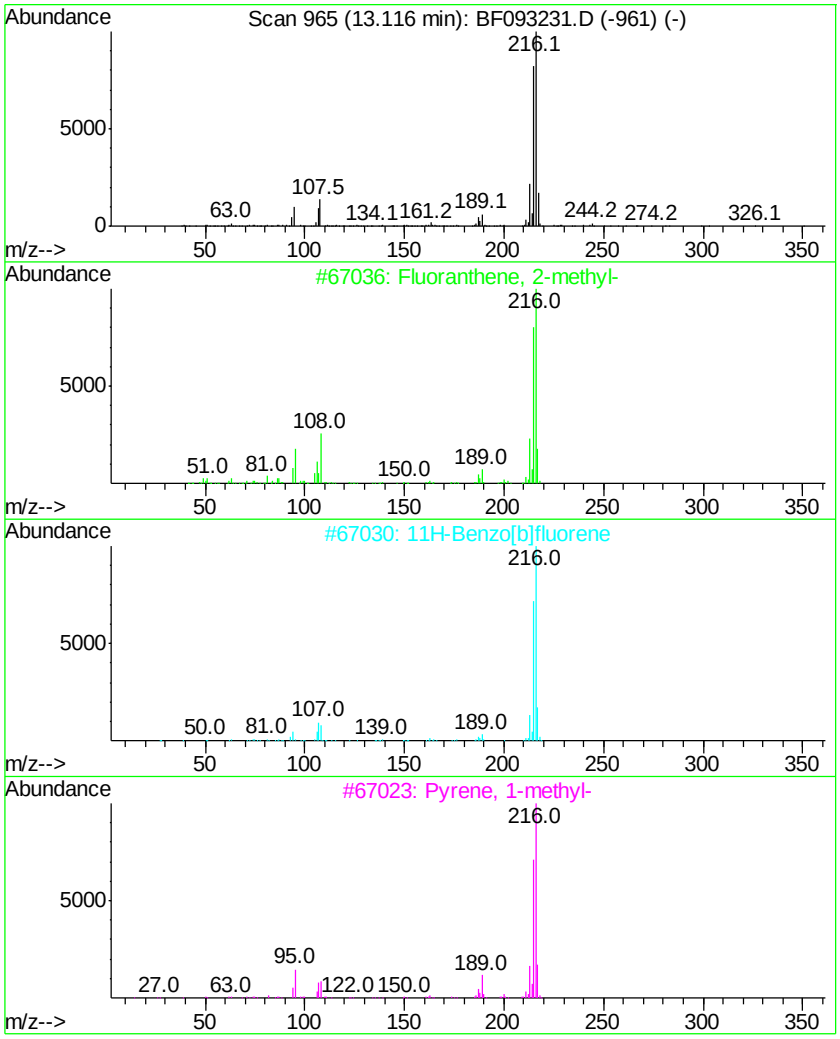
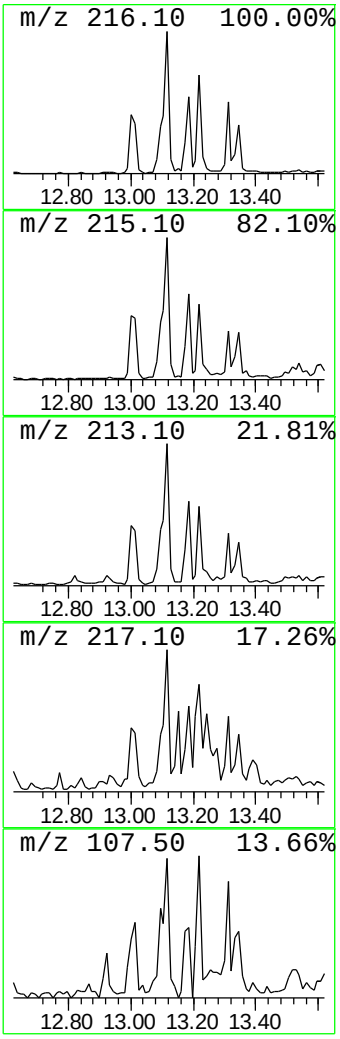
Peak Number 15 Fluoranthene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	3.83 ng	729101	Chrysene-d12	13.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-B1-SW-5

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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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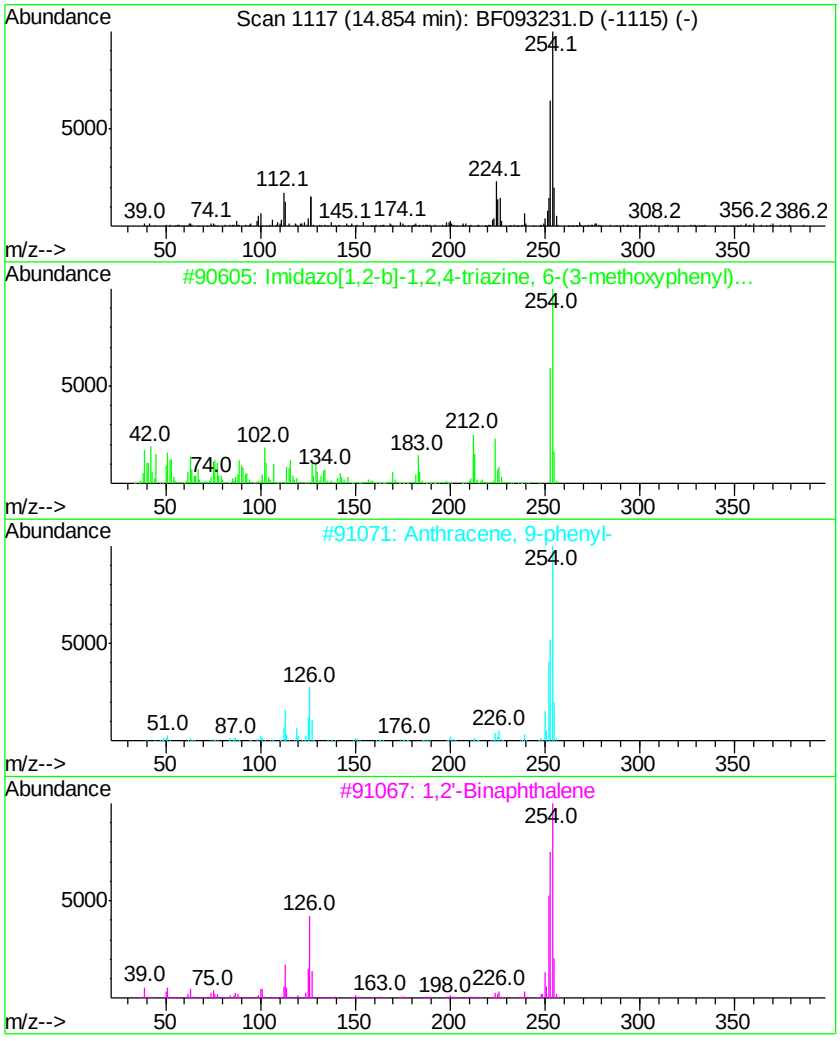
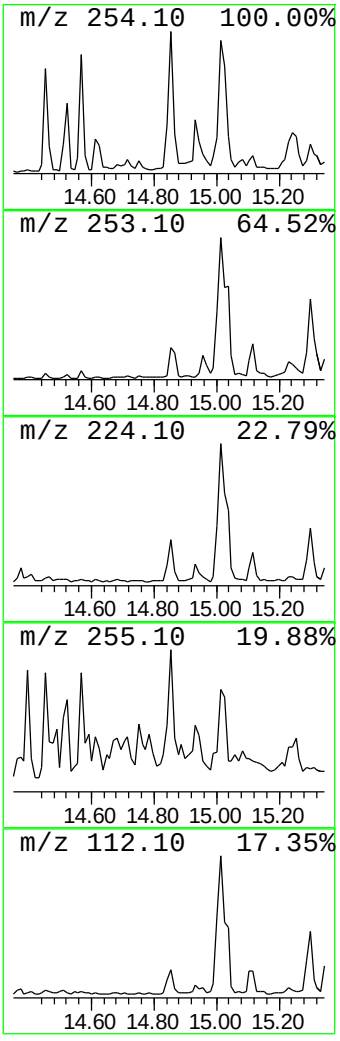
Peak Number 16 Imidazo[1,2-b]-1,2,4-triazi... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	6.28 ng	225205	Perylene-d12	15.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Imidazo[1,2-b]-1,2,4-triazine, 6...	254	C14H14N4O	1000277-24-4	64
2	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	64
3	1,2'-Binaphthalene	254	C20H14	004325-74-0	64
4	Phenanthrene, 2-phenyl-	254	C20H14	004325-77-3	62
5	Benzenamine, 4-(2-benzothiazolyl...	254	C15H14N2S	010205-56-8	58





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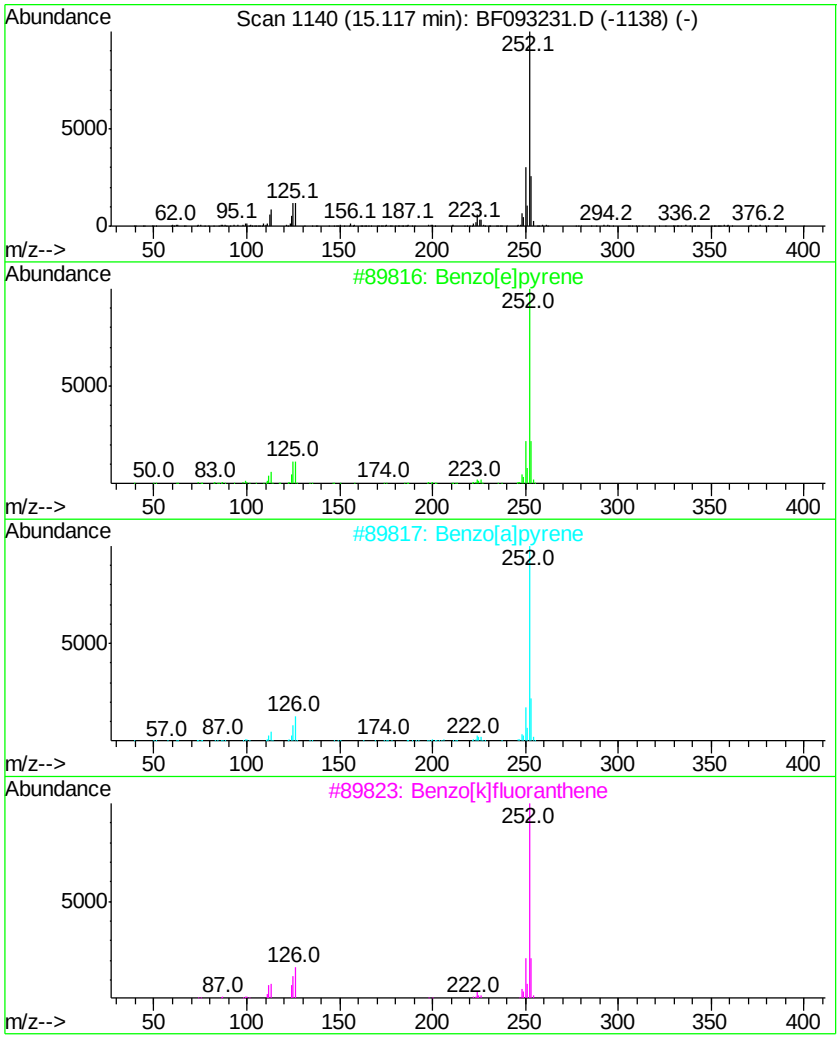
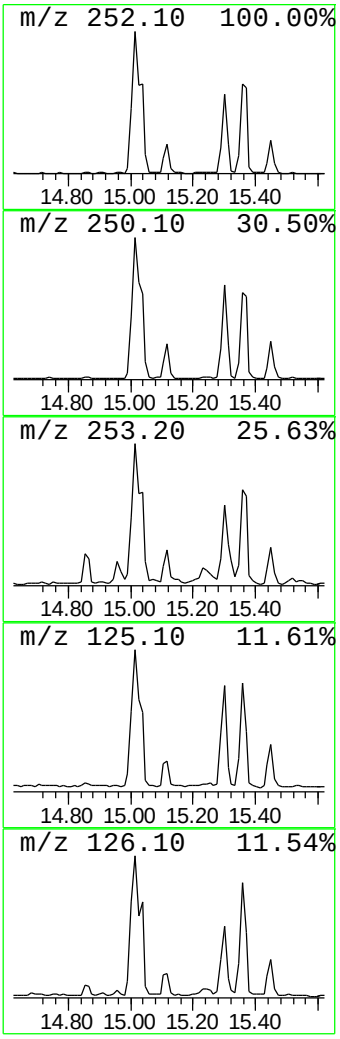
Peak Number 17 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.12	7.68 ng	275397	Perylene-d12	15.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	97
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
5	Perylene	252	C20H12	000198-55-0	81





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ALS Vial : 20 Sample Multiplier: 1

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ClientSampleId : E2-B1-SW-5

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TIC Integration Parameters: LSCINT.P

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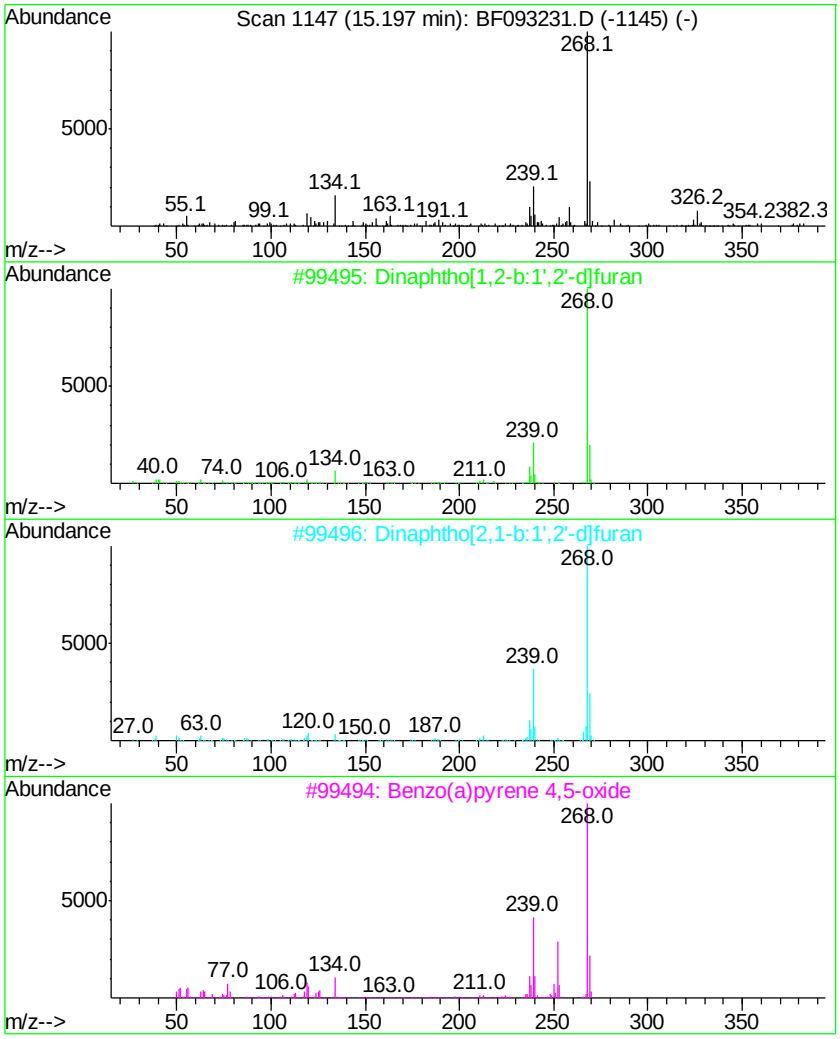
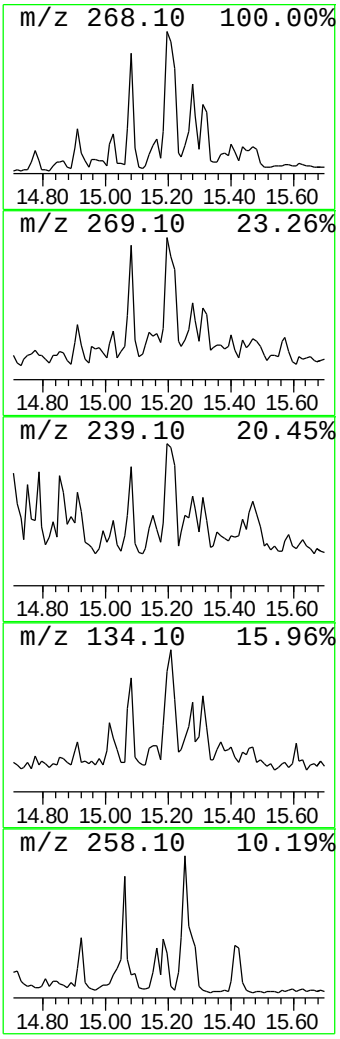
Peak Number 18 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.20	6.30 ng	226190	Perylene-d12	15.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	87
2	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	83
3	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	72
4	9,10-Anthracenedione, 1,5-dimeth...	268	C16H12O4	006448-90-4	59
5	4H-1-Benzopyran-4-one, 5-hydroxy...	268	C16H12O4	000520-28-5	59





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ClientSampleId : E2-B1-SW-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

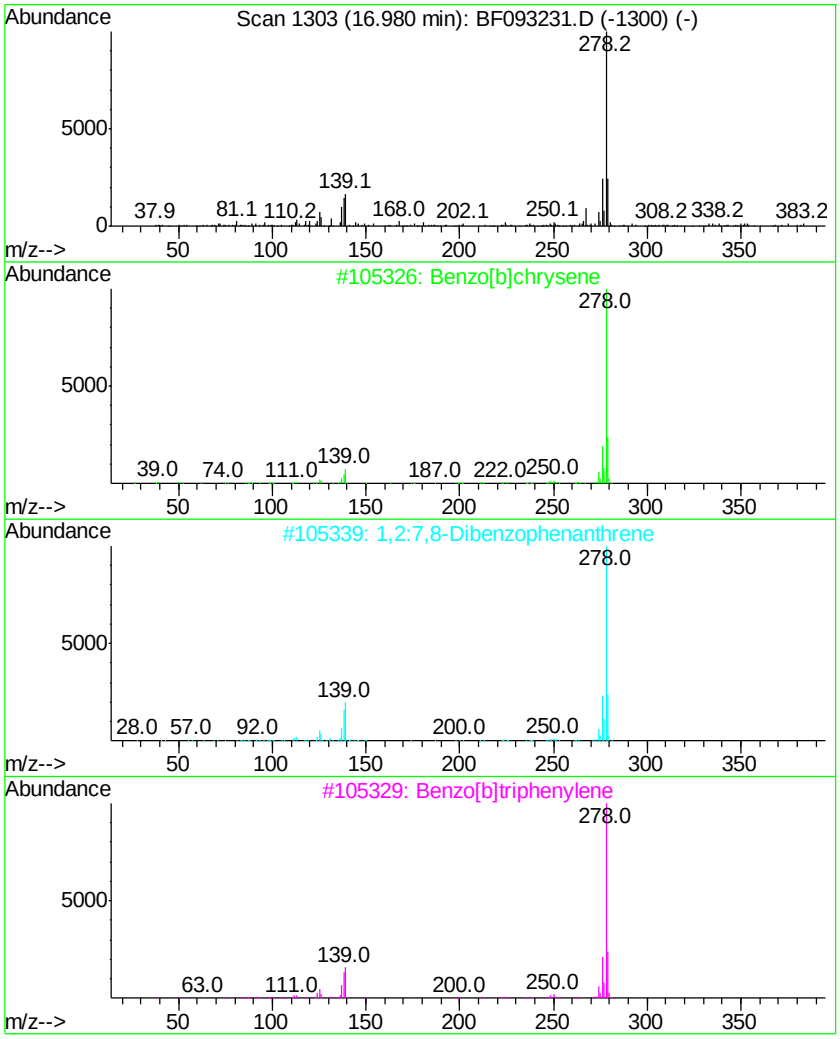
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

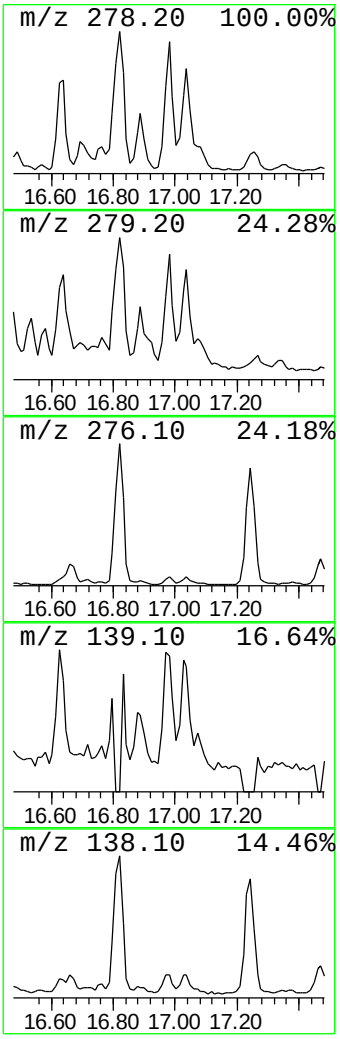
****

Peak Number 20 Benzo[b]chrysene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.98	6.30 ng	225935	Perylene-d12	15.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]chrysene	278	C22H14	000214-17-5	95
2	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	93
3	Benzo[b]triphenylene	278	C22H14	000215-58-7	93
4	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	90
5	Pentacene	278	C22H14	000135-48-8	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022717\
Data File : BF093231.D
Acq On : 28 Feb 2017 3:32
Operator : SJ/MA
Sample : I1972-12 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-B1-SW-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.97	4.3	ng	226087	1	6.82	1046120	20.0
unknown6.59	6.59	12.8	ng	669460	1	6.82	1046120	20.0
9H-Fluorene, 2-me...	10.96	3.9	ng	235618	4	11.34	1208770	20.0
Anthracene, 1,2,3...	11.21	4.0	ng	244234	4	11.34	1208770	20.0
Dibenzothiophene	11.24	5.7	ng	342576	4	11.34	1208770	20.0
Phenanthrene, 2-m...	11.85	6.3	ng	382774	4	11.34	1208770	20.0
4H-Cyclopenta[def...	11.96	14.6	ng	883654	4	11.34	1208770	20.0
2-Phenylnaphthalene	12.14	4.4	ng	266733	4	11.34	1208770	20.0
9,10-Anthracenedione	12.17	5.1	ng	310231	4	11.34	1208770	20.0
Phenanthrene, 2,5...	12.40	4.1	ng	246551	4	11.34	1208770	20.0
unknown12.43	12.43	3.9	ng	236032	4	11.34	1208770	20.0
Cyclopenta(def)ph...	12.49	4.0	ng	243607	4	11.34	1208770	20.0
Fluoranthene, 2-m...	13.12	3.8	ng	729101	5	13.99	3807460	20.0
Imidazo[1,2-b]-1,...	14.85	6.3	ng	225205	6	15.41	717633	20.0
Benzo[e]pyrene	15.12	7.7	ng	275397	6	15.41	717633	20.0
Dinaphtho[1,2-b:1...	15.20	6.3	ng	226190	6	15.41	717633	20.0
Benzo[b]chrysene	16.98	6.3	ng	225935	6	15.41	717633	20.0