LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022717\
Data File : BF093230.D
Acq On : 28 Feb 2017 3:05
Operator : SJ/MA
Sample : I1972-04 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2B21-BASE-1

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	3.664	135	138	142	rVB	172851	284475	5.91%	0.407%
2	4.967	249	252	256	rBV	295554	371337	7.72%	0.532%
3	5.241	274	276	278	rBV	158389	161185	3.35%	0.231%
4	5.356	283	286	289	rBV	282921	389867	8.10%	0.558%
5	5.413	289	291	300	rVB	962442	1008457	20.95%	1.445%
6	5.619	305	309	312	rBV2	163734	277394	5.76%	0.397%
7	6.464	381	383	391	rBV	1136991	1128173	23.44%	1.616%
8	6.590	391	394	396	rVV	1050009	1014352	21.08%	1.453%
9	6.647	396	399	401	rVB2	129784	171955	3.57%	0.246%
10	6.819	411	414	416	rBV	1055857	1026370	21.33%	1.470%
11	6.967	425	427	430	rVB	682506	721885	15.00%	1.034%
12	7.379	462	463	465	rBV	476685	571943	11.88%	0.819%
13	8.099	524	526	531	rBV2	951514	2070332	43.02%	2.966%
14	8.625	568	572	574	rBV2	65026	116018	2.41%	0.166%
15	8.693	577	578	580	rVV2	96430	100944	2.10%	0.145%
16	8.750	580	583	587	rVV	102105	177721	3.69%	0.255%
17	8.819	587	589	591	rVV	430348	363408	7.55%	0.521%
18	8.910	595	597	600	rBV	238773	304783	6.33%	0.437%
19	9.173	618	620	622	rVB	592652	816492	16.97%	1.170%
20	9.276	626	629	632	rBV2	213656	342881	7.12%	0.491%
21	9.345	632	635	636	rBV2	69532	108565	2.26%	0.156%
22	9.379	636	638	641	rVB	112068	156202	3.25%	0.224%
23	9.448	641	644	645	rBV	98138	136058	2.83%	0.195%
24	9.482	645	647	648	rBV	102562	101904	2.12%	0.146%
25	9.516	648	650	651	rVV	218276	191833	3.99%	0.275%
26	9.585	654	656	658	rVV	383223	381386	7.92%	0.546%
27	9.630	659	660	665	rBV	89023	120741	2.51%	0.173%
28	9.722	665	668	670	rBV	999853	989992	20.57%	1.418%
29	9.790	672	674	676	rVB	147425	132805	2.76%	0.190%
30	9.859	676	680	681	rBV	1443377	1386904	28.82%	1.987%
31	9.893	681	683	685	rVV	451990	442519	9.19%	0.634%
32	10.019	691	694	696	rBV3	74563	127273	2.64%	0.182%
33	10.065	696	698	700	rVB	77117	99231	2.06%	0.142%
34	10.168	705	707	711	rBV2	112929	167843	3.49%	0.240%

LSC Area Percent Report

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Acq On : 28 Feb 2017 3:05
Operator : SJ/MA
Sample : I1972-04 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2B21-BASE-1

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

35	10.282	713	717	718	rBV3	119594	230599	4.79%	0.330%
36	10.316	718	720	721	rVB	171959	185299	3.85%	0.265%
37	10.408	726	728	731	rVV	630622	665653	13.83%	0.953%
38	10.465	731	733	736	rVV2	111752	296589	6.16%	0.425%
39	10.511	736	737	740	rVV2	167762	222560	4.62%	0.319%
40	10.648	746	749	751	rBV2	482251	497045	10.33%	0.712%
41	10.773	757	760	763	rVB	292480	416626	8.66%	0.597%
42	10.956	773	776	777	rBV	124440	179693	3.73%	0.257%
43	11.105	787	789	791	rBV	152362	139784	2.90%	0.200%
44	11.208	796	798	799	rBV2	141276	122690	2.55%	0.176%
45	11.242	799	801	804	rVB2	121121	171233	3.56%	0.245%
46	11.345	808	810	811	rBV	1139140	1149024	23.88%	1.646%
47	11.368	811	812	815	rVV	2319510	2109278	43.83%	3.021%
48	11.425	815	817	818	rVB	678614	764664	15.89%	1.095%
49	11.459	818	820	821	rBV	96767	121102	2.52%	0.173%
50	11.642	833	836	837	rVV3	353177	444014	9.23%	0.636%
51	11.802	848	850	852	rBV	129446	162092	3.37%	0.232%
52	11.848	852	854	855	rVV	476797	438204	9.11%	0.628%
53	11.871	855	856	858	rVV	346130	418791	8.70%	0.600%
54	11.928	858	861	862	rVV	219312	294951	6.13%	0.422%
55	11.962	862	864	868	rVB	1026127	1402645	29.15%	2.009%
56	12.042	868	871	873	rBV2	122466	175190	3.64%	0.251%
57	12.145	877	880	881	rVV	602781	703745	14.62%	1.008%
58	12.168	881	882	885	rVB3	73130	128481	2.67%	0.184%
59	12.396	900	902	904	rBV	392601	487018	10.12%	0.698%
60	12.431	904	905	908	rVV2	332004	450555	9.36%	0.645%
61	12.488	908	910	914	rVB2	301017	497685	10.34%	0.713%
62	12.568	914	917	918	rBV	1837671	2467591	51.27%	3.535%
63	12.602	918	920	923	rVV3	81558	168284	3.50%	0.241%
64	12.659	923	925	926	rVB	380426	410963	8.54%	0.589%
65	12.796	934	937	940	rBV	3984904	4812634	100.00%	6.894%
66	12.842	940	941	943	rVV	114065	122453	2.54%	0.175%
67	12.934	947	949	953	rVV	460739	743735	15.45%	1.065%
68	13.014	953	956	958	rVV	335934	531594	11.05%	0.761%
69	13.117	961	965	967	rVV	686354	1211340	25.17%	1.735%
70	13.185	969	971	972	rVV	461766	441182	9.17%	0.632%
71	13.219	972	974	978	rVV	717082	845088	17.56%	1.211%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022717\
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Acq On : 28 Feb 2017 3:05
Operator : SJ/MA
Sample : I1972-04 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2B21-BASE-1

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

72	13.311	981	982	984	rVV	729120	961480	19.98%	1.377%
73	13.345	984	985	990	rVB	830089	731153	15.19%	1.047%
74	13.722	1016	1018	1019	rBV	196261	261461	5.43%	0.375%
75	13.768	1019	1022	1023	rVV3	241325	423097	8.79%	0.606%
76	13.791	1023	1024	1026	rVB	370550	293558	6.10%	0.420%
77	13.985	1038	1041	1043	rBV2	1981994	3661695	76.09%	5.245%
78	14.019	1043	1044	1046	rVV	1716911	1373601	28.54%	1.968%
79	14.099	1048	1051	1053	rVV2	471360	677771	14.08%	0.971%
80	14.134	1053	1054	1057	rVV	452902	616864	12.82%	0.884%
81	14.374	1071	1075	1077	rBV	510119	1042519	21.66%	1.493%
82	14.454	1080	1082	1085	rVV2	351059	793851	16.50%	1.137%
83	14.522	1085	1088	1090	rVV2	562596	968192	20.12%	1.387%
84	14.568	1090	1092	1095	rVB2	314974	455621	9.47%	0.653%
85	14.705	1102	1104	1107	rBV3	162674	212890	4.42%	0.305%
86	15.025	1128	1132	1137	rVV	1306836	2940259	61.09%	4.212%
87	15.117	1138	1140	1143	rVB	419616	480483	9.98%	0.688%
88	15.311	1154	1157	1159	rBV	1765061	2344252	48.71%	3.358%
89	15.380	1159	1163	1165	rVV2	1834097	3076234	63.92%	4.406%
90	15.425	1165	1167	1168	rVV	563836	666287	13.84%	0.954%
91	15.460	1168	1170	1173	rVB2	503794	703867	14.63%	1.008%
92	15.723	1191	1193	1195	rBV	163069	254987	5.30%	0.365%
93	15.768	1195	1197	1200	rVB	197925	303461	6.31%	0.435%
94	15.837	1201	1203	1205	rBV2	160028	288812	6.00%	0.414%
95	15.963	1212	1214	1219	rVB	280185	492101	10.23%	0.705%
96	16.843	1286	1291	1294	rBV	742529	1584646	32.93%	2.270%
97	16.991	1301	1304	1307	rBV	142934	294546	6.12%	0.422%
98	17.265	1324	1328	1335	rVB	880800	2207507	45.87%	3.162%
99	17.494	1344	1348	1354	rVB	224409	582662	12.11%	0.835%
100	19.414	1512	1516	1521	rVB	159873	525592	10.92%	0.753%

Sum of corrected areas: 69812751

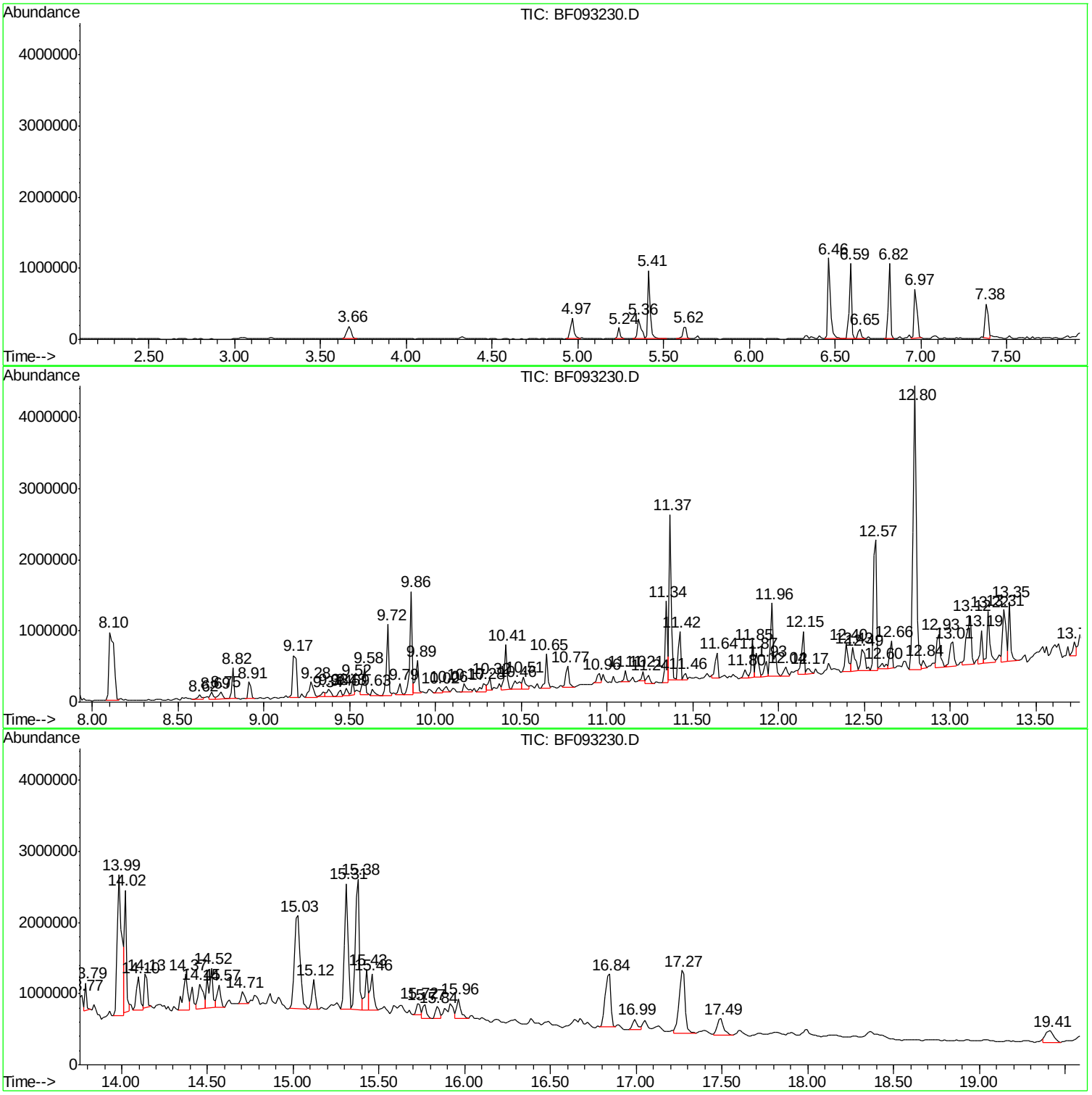
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022717\
Data File : BF093230.D
Acq On : 28 Feb 2017 3:05
Operator : SJ/MA
Sample : I1972-04 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2B21-BASE-1

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022717\
Data File : BF093230.D
Acq On : 28 Feb 2017 3:05
Operator : SJ/MA
Sample : I1972-04 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2B21-BASE-1

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

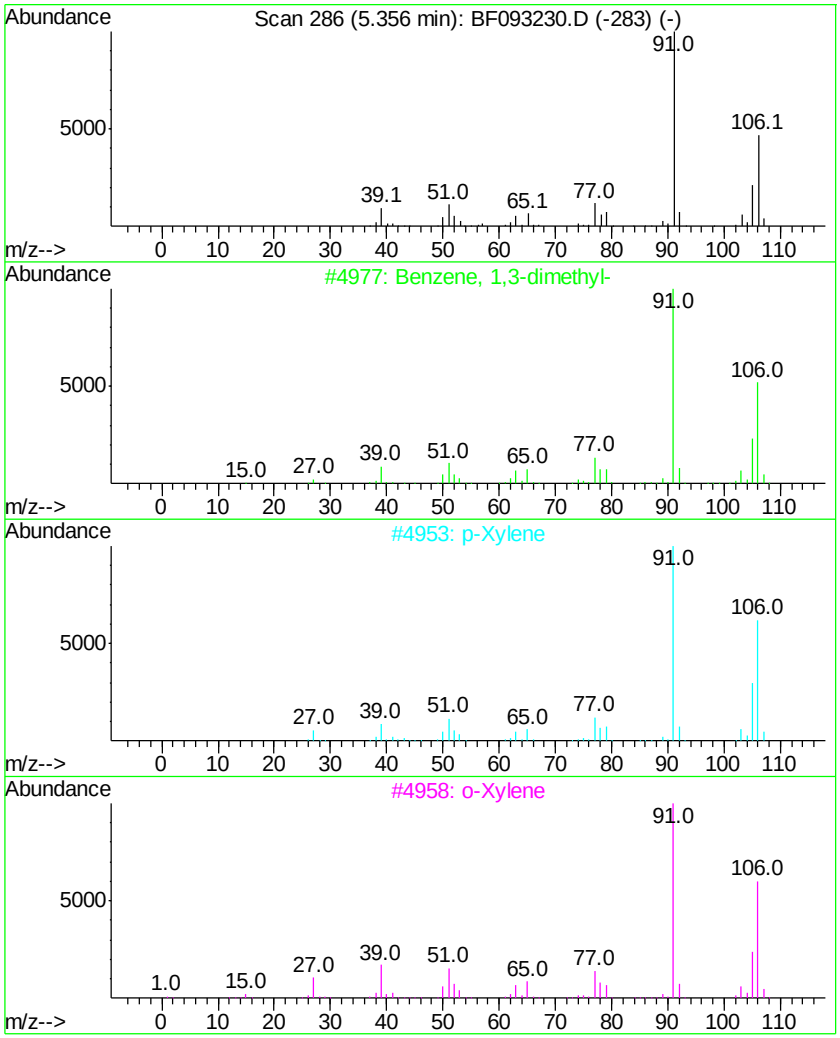
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

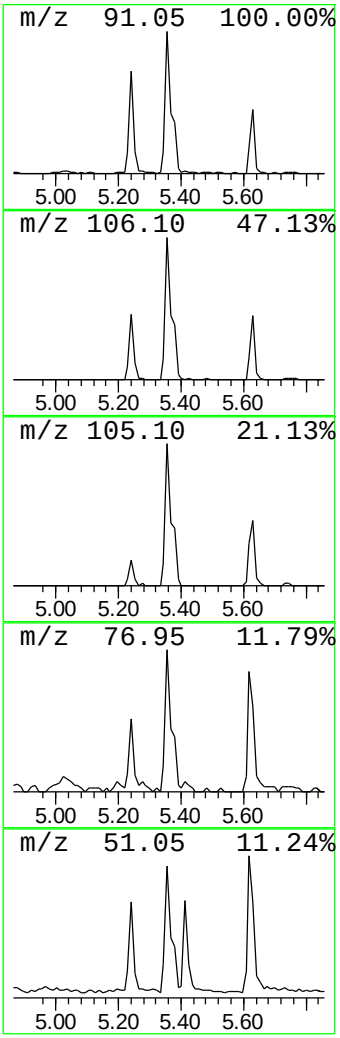
****

Peak Number 1 Benzene, 1,3-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.36	7.60 ng	389867	1,4-Dichlorobenzene-d4	6.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	97
2	p-Xylene	106	C8H10	000106-42-3	97
3	o-Xylene	106	C8H10	000095-47-6	95
4	Ethylbenzene	106	C8H10	000100-41-4	87
5	1,3-Cyclopentadiene, 5-(1-methyl...	106	C8H10	002175-91-9	83





Data Path : Z:\HPCHEM1\BNA F\DATA\BF022717\
Data File : BF093230.D
Acq On : 28 Feb 2017 3:05
Operator : SJ/MA
Sample : I1972-04 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2B21-BASE-1

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

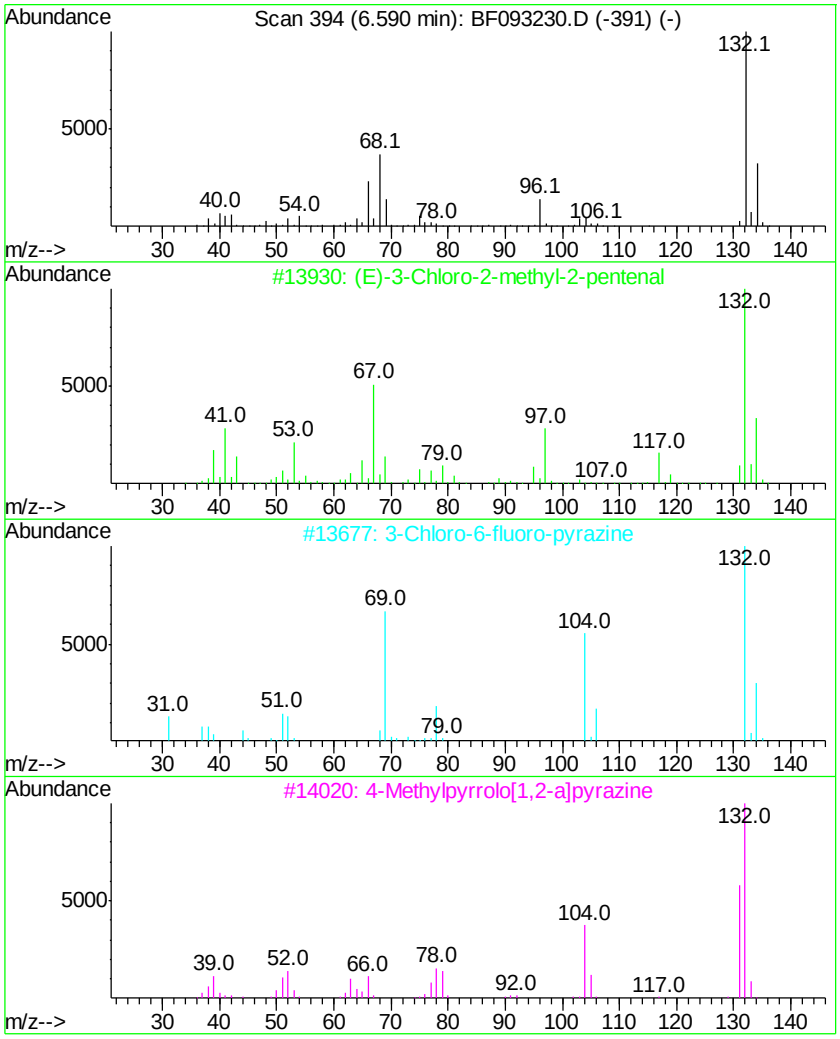
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

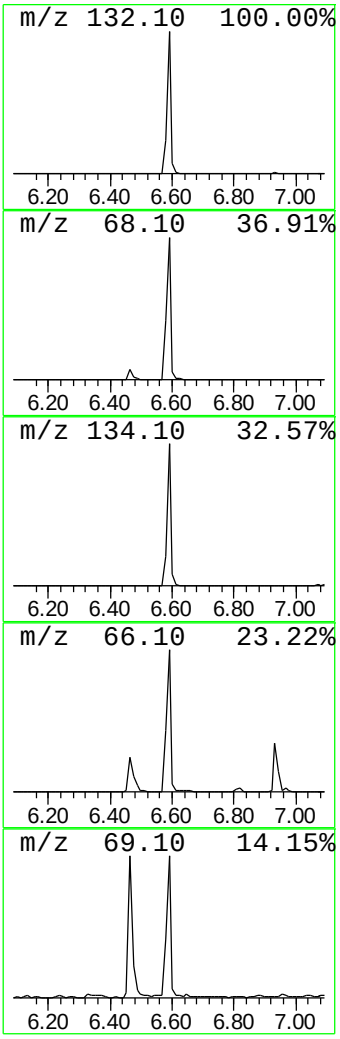
****

Peak Number 2 unknown6.59 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.59	19.77 ng	1014350	1,4-Dichlorobenzene-d4	6.82

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	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9
4	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF022717\
Data File : BF093230.D
Acq On : 28 Feb 2017 3:05
Operator : SJ/MA
Sample : I1972-04 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2B21-BASE-1

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

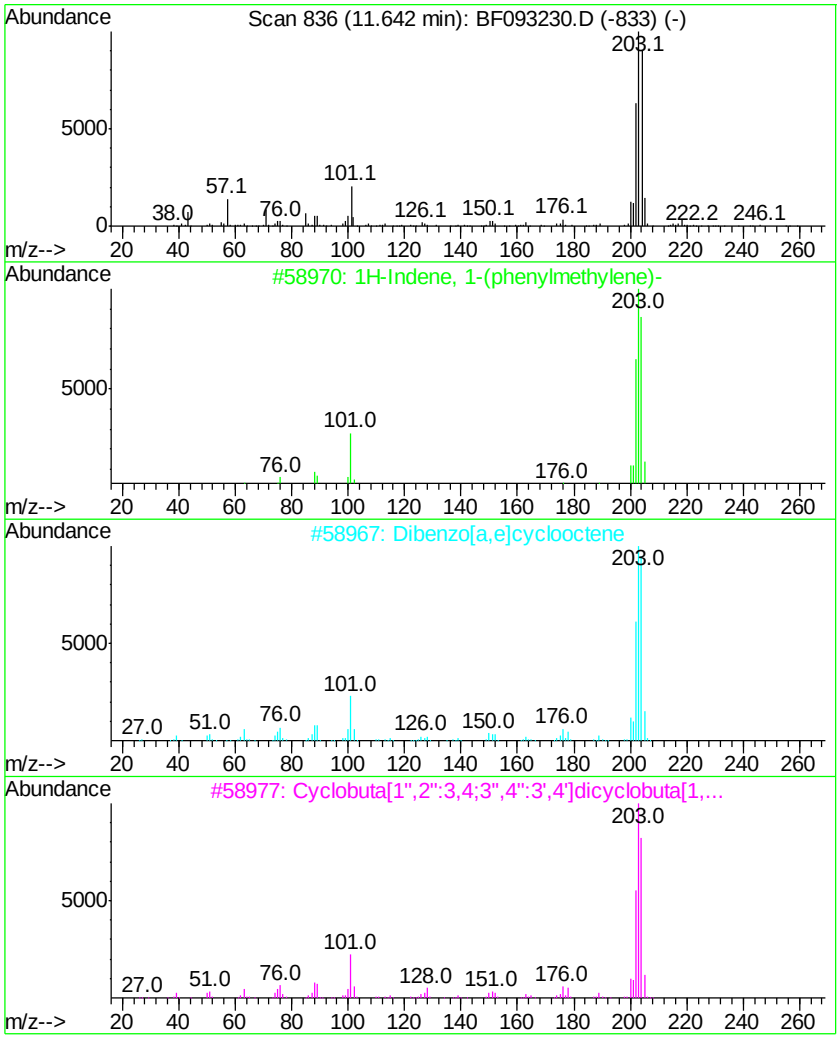
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

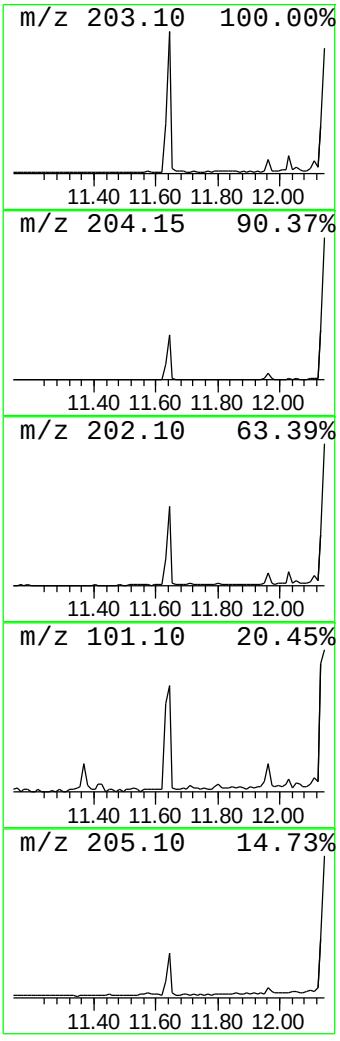
****

Peak Number 4 1H-Indene, 1-(phenylmethyle... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.64	7.73 ng	444014	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	81
2	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	72
3	Cyclobuta[1'',2'':3,4;3'',4'':3'...	204	C16H12	006574-36-3	68
4	Pyrene, 4,5-dihydro-	204	C16H12	006628-98-4	68
5	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF022717\
Data File : BF093230.D
Acq On : 28 Feb 2017 3:05
Operator : SJ/MA
Sample : I1972-04 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2B21-BASE-1

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

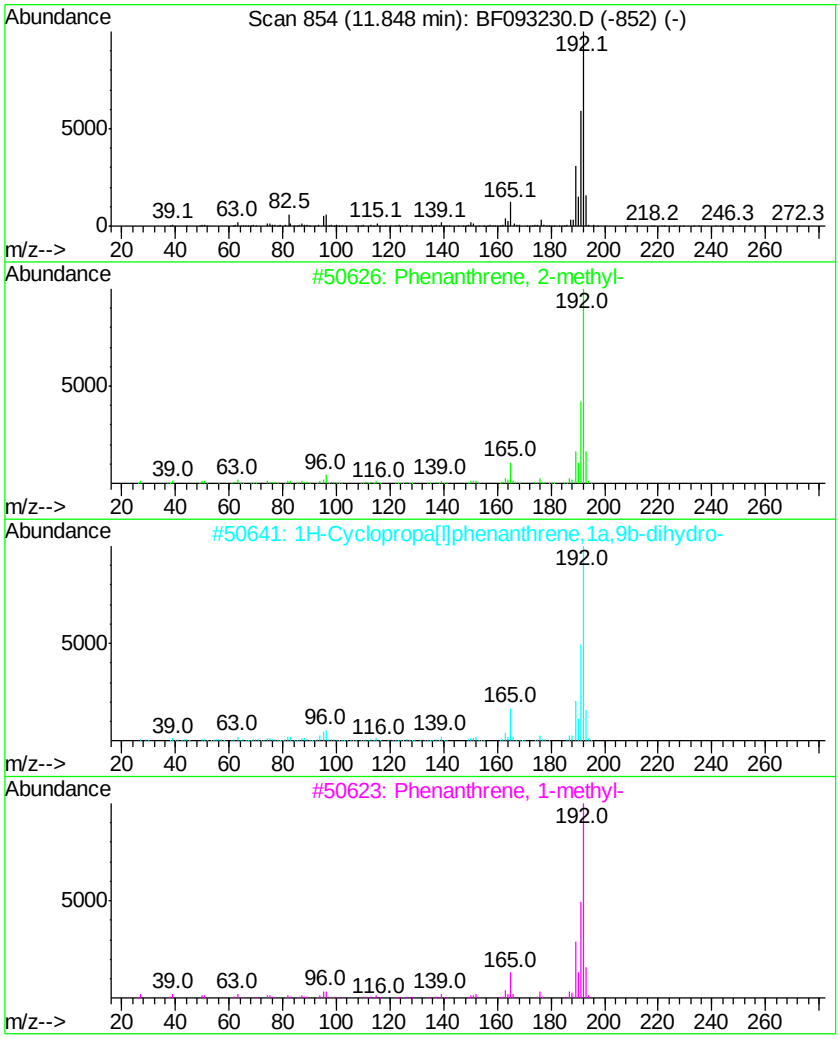
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

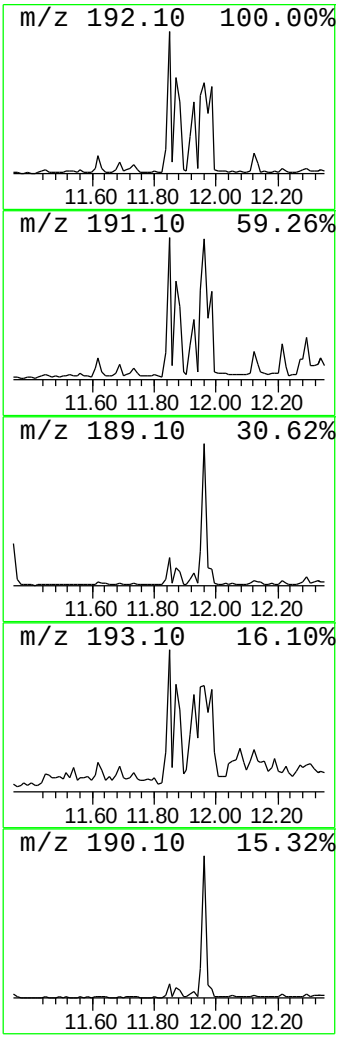
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	7.63 ng	438204	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF022717\
Data File : BF093230.D
Acq On : 28 Feb 2017 3:05
Operator : SJ/MA
Sample : I1972-04 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2B21-BASE-1

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

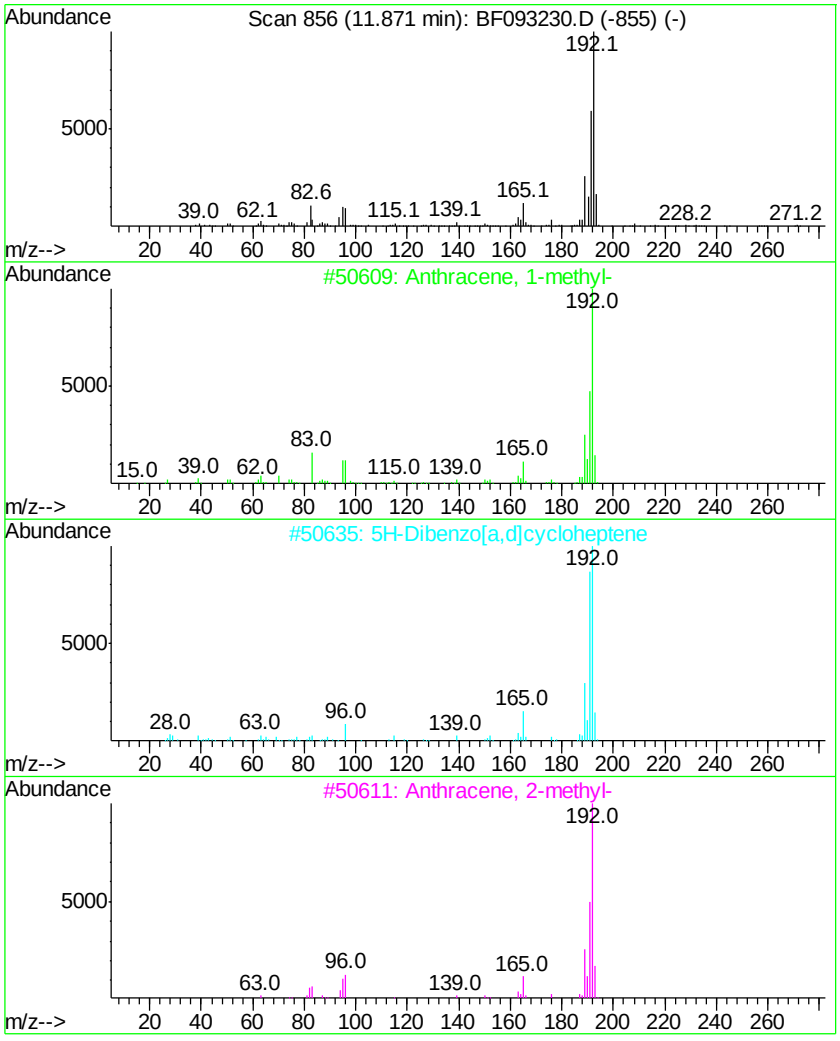
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

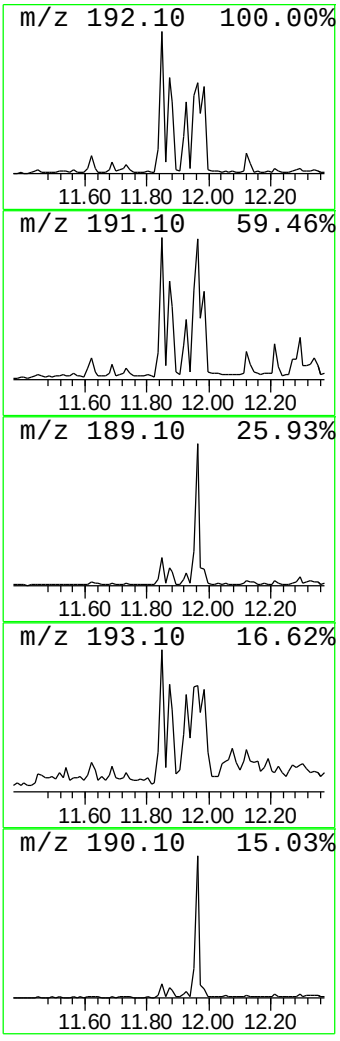
****

Peak Number 6 Anthracene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	7.29 ng	418791	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90





Data Path : Z:\HPCHEM1\BNA F\DATA\BF022717\
Data File : BF093230.D
Acq On : 28 Feb 2017 3:05
Operator : SJ/MA
Sample : I1972-04 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2B21-BASE-1

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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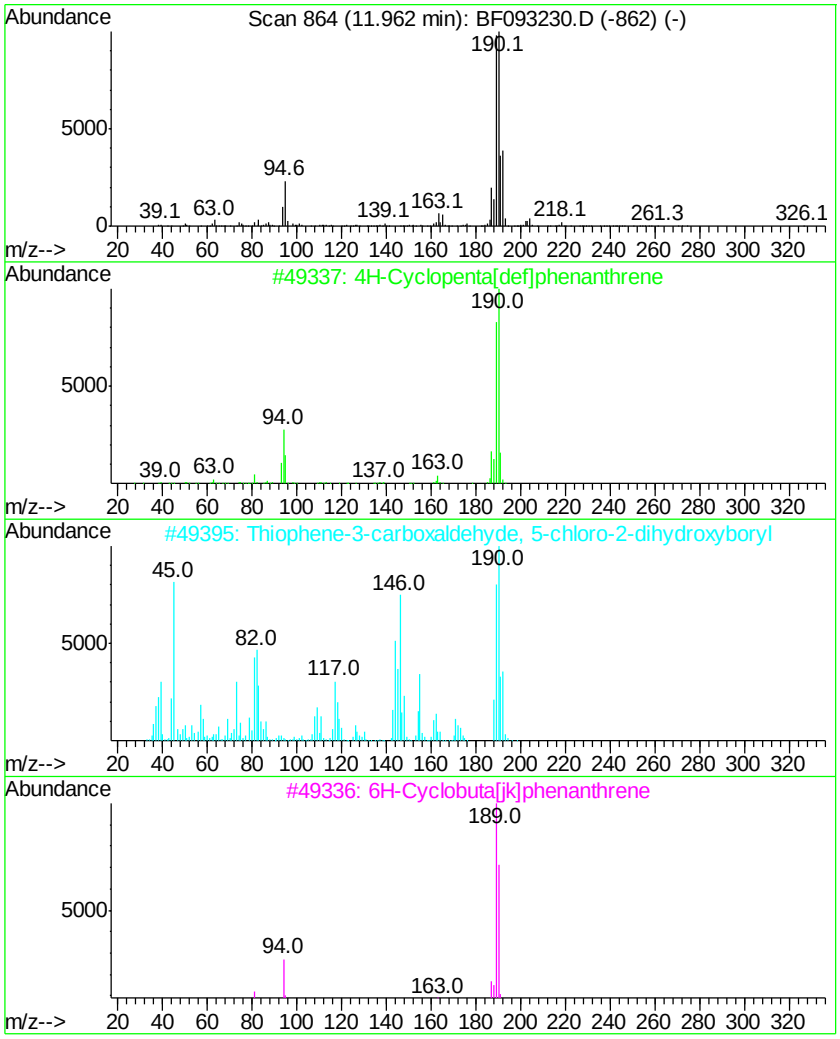
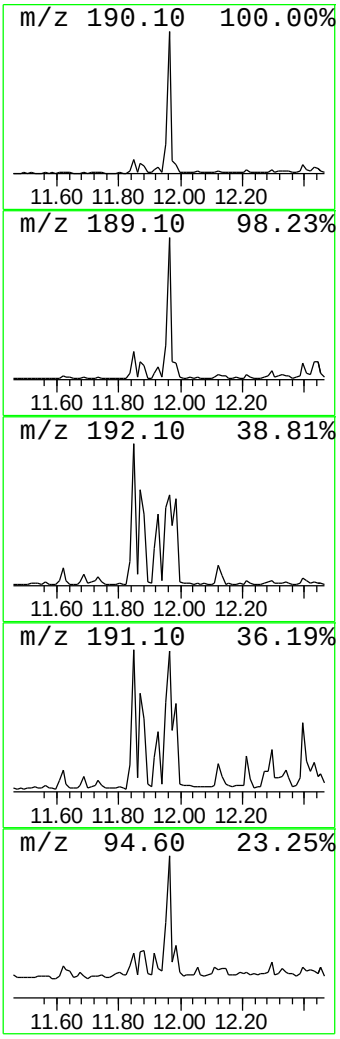
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	24.41 ng	1402650	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	45
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	16





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Sample : I1972-04 5X
Misc :
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Instrument : BNA_F
ClientSampleId : E2B21-BASE-1

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TIC Library : C:\DATABASE\NIST02.L
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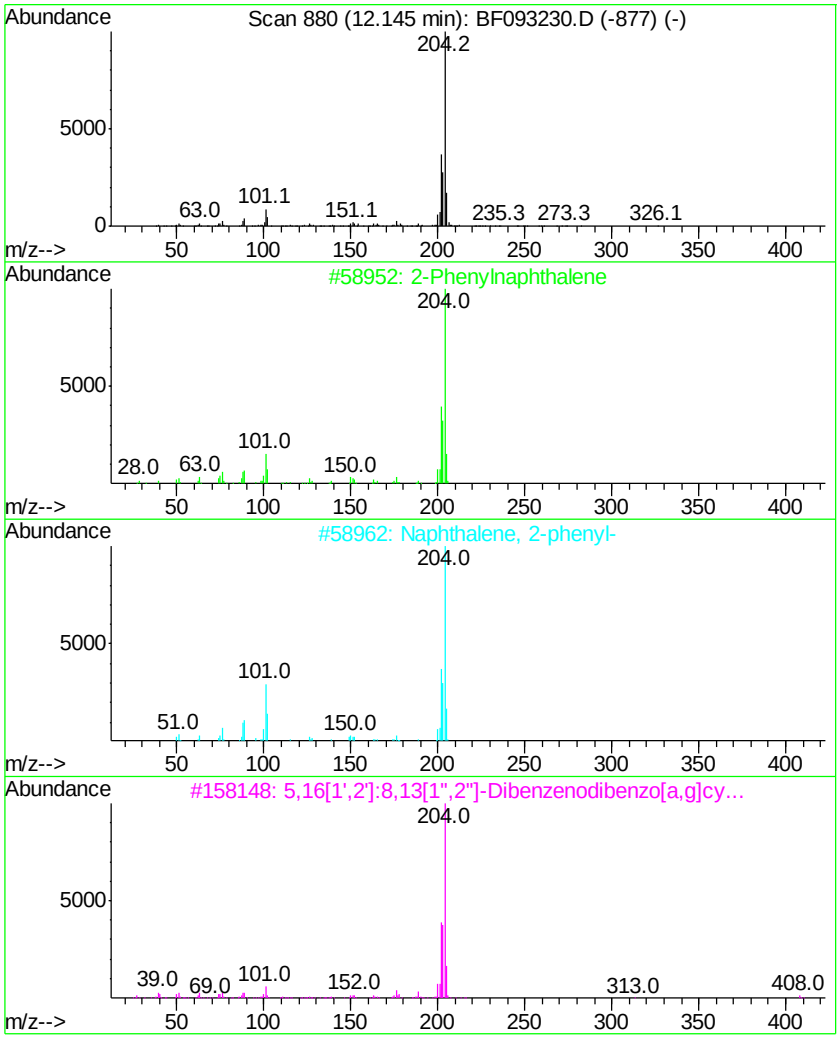
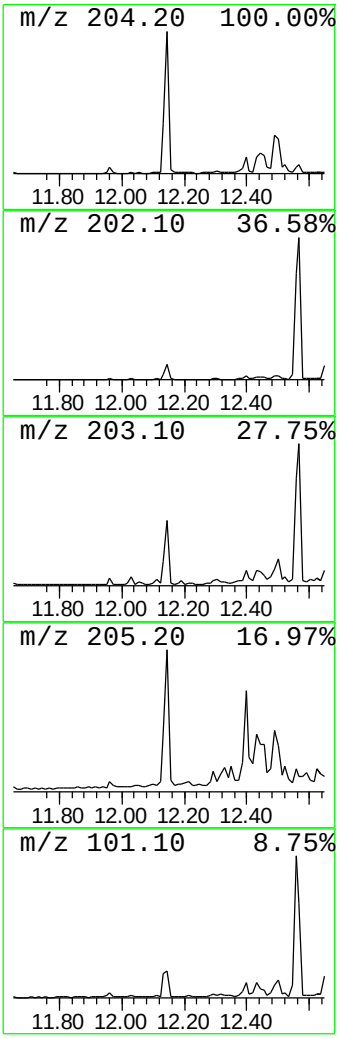
Peak Number 8 2-Phenylnaphthalene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	12.25 ng	703745	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	96
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	90
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	72
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	58





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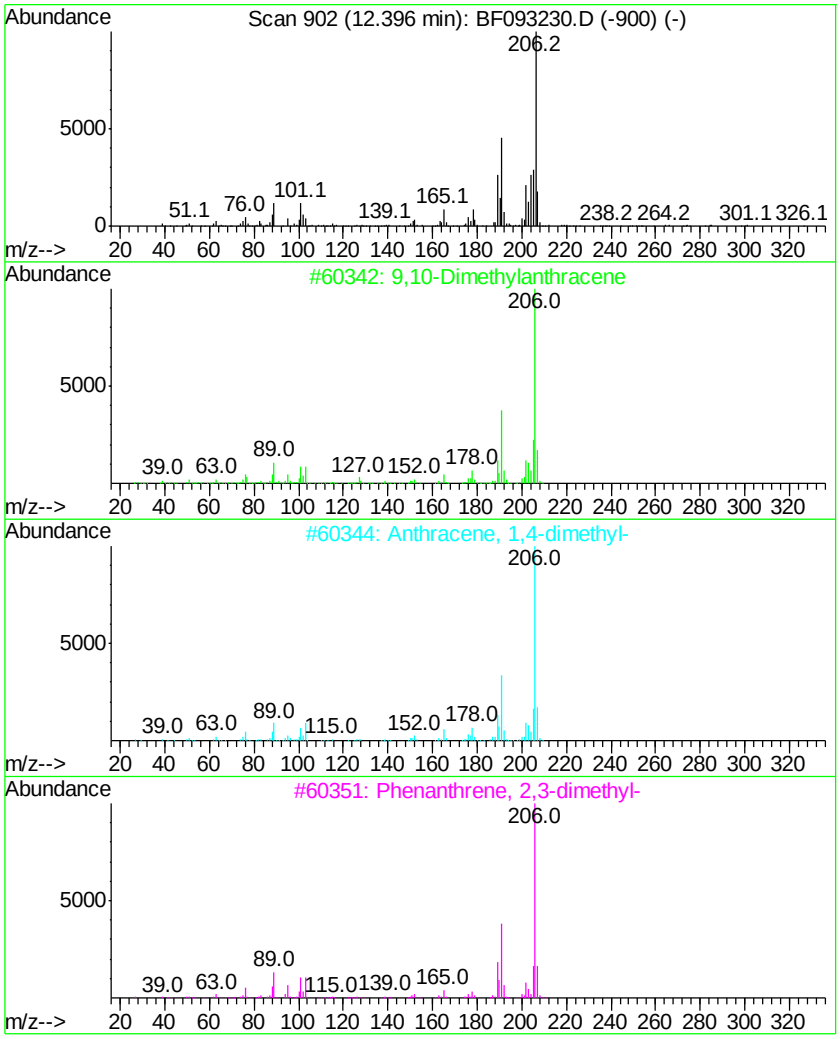
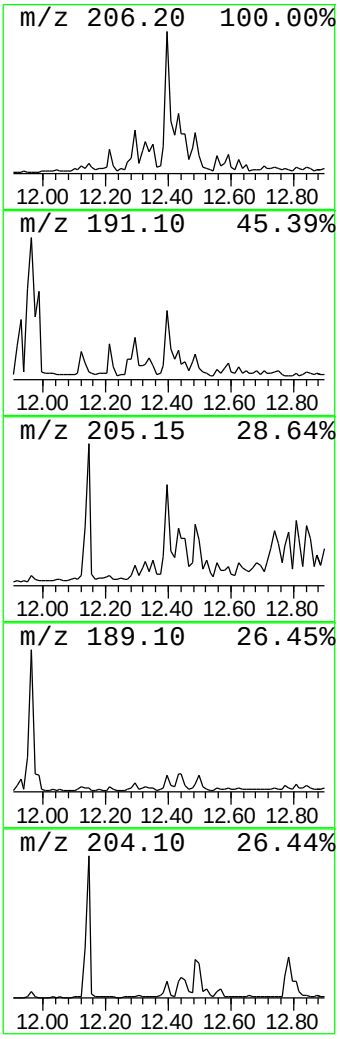
Peak Number 9 9,10-Dimethylanthracene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	8.48 ng	487018	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
2	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	89
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	89
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86





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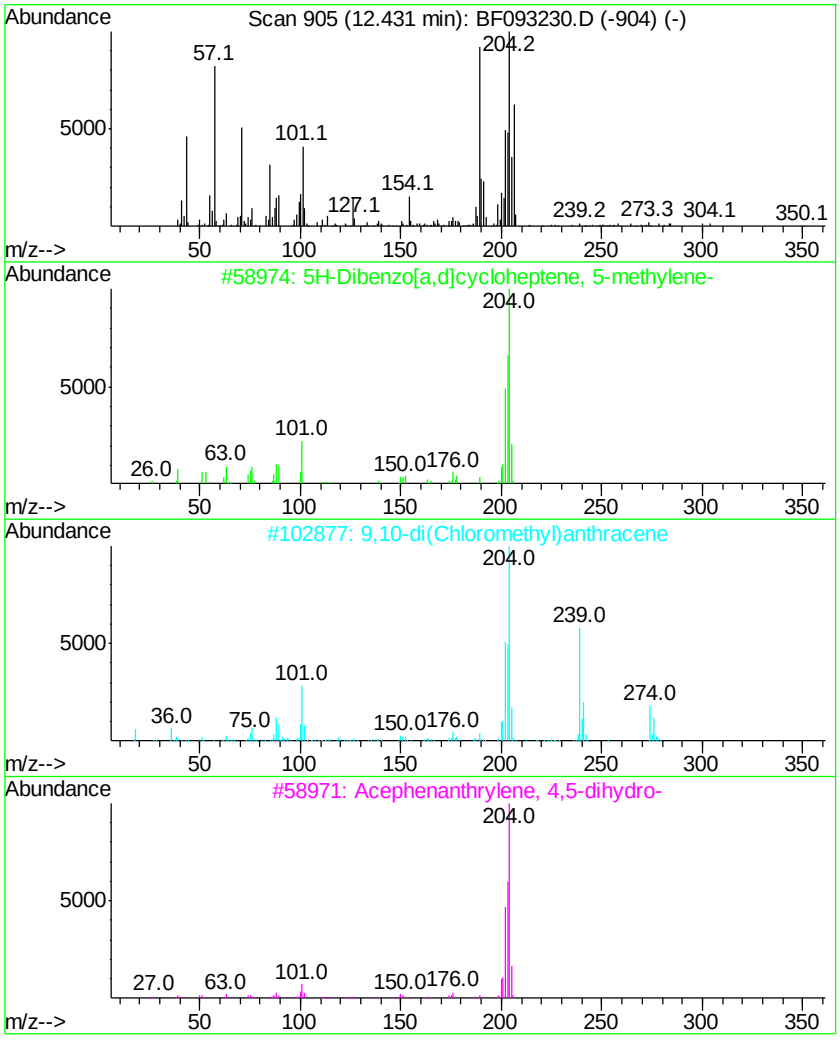
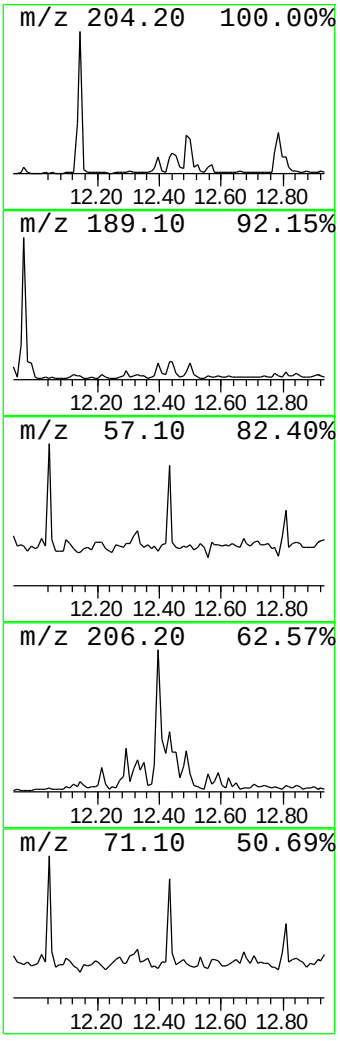
Peak Number 10 unknown12.43 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	7.84 ng	450555	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	46
2	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	35
3	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	30
4	3,5-Dichloro-2,4-dimethyl-1-meth...	204	C9H10Cl2O	1000250-17-8	30
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	30





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Misc :
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ClientSampleId : E2B21-BASE-1

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TIC Integration Parameters: LSCINT.P

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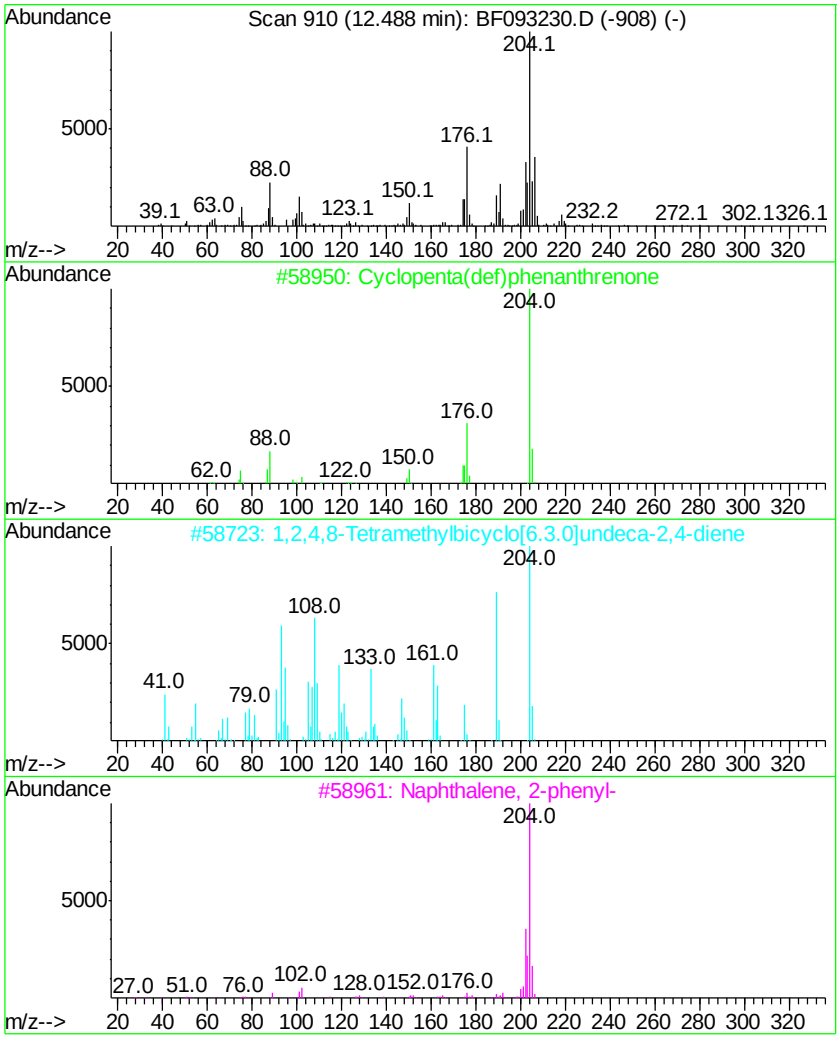
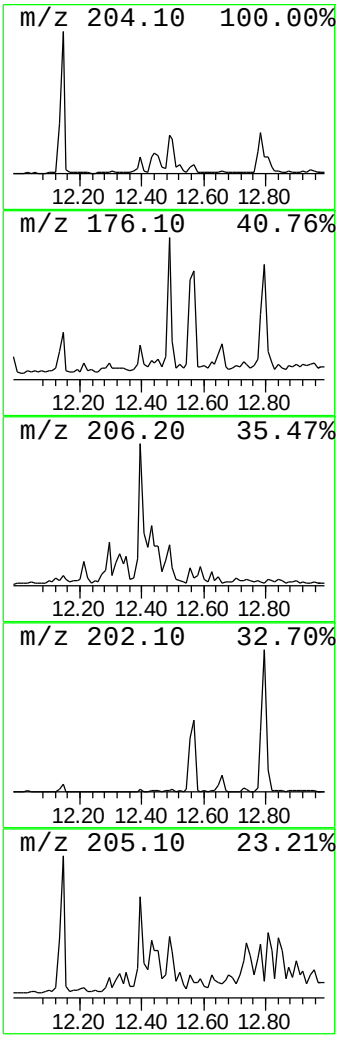
Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	8.66 ng	497685	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	86
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	50
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	46
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	46





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Sample : I1972-04 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2B21-BASE-1

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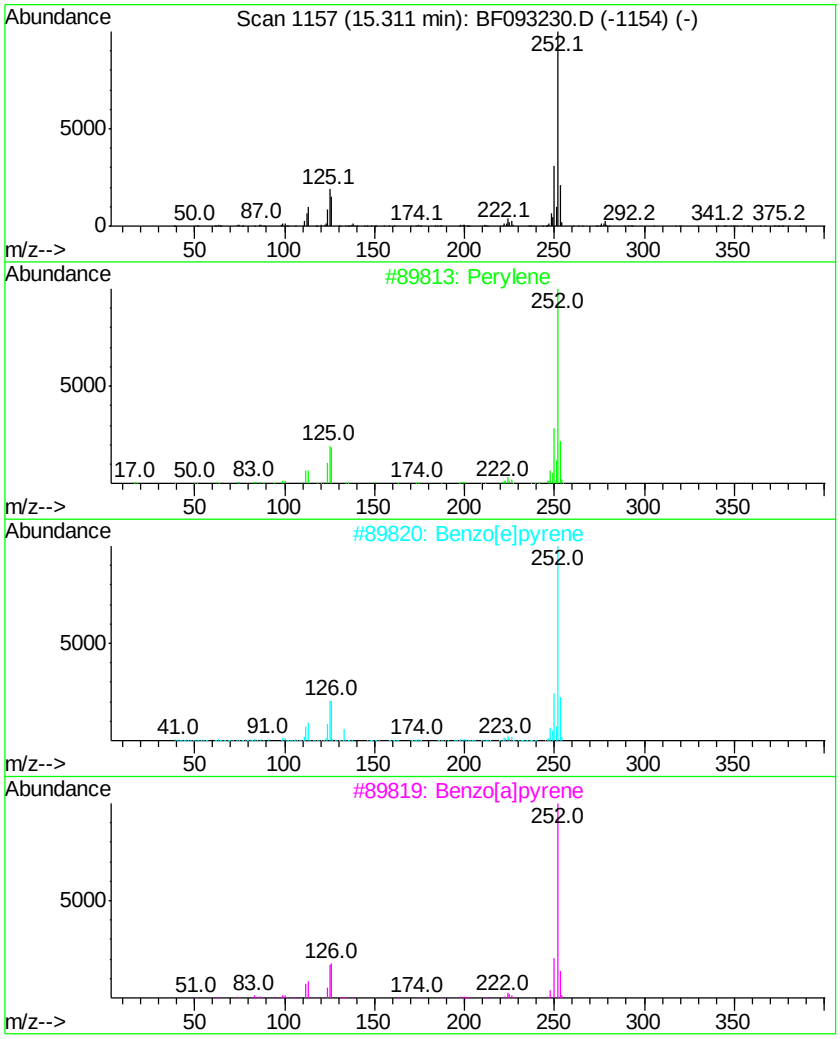
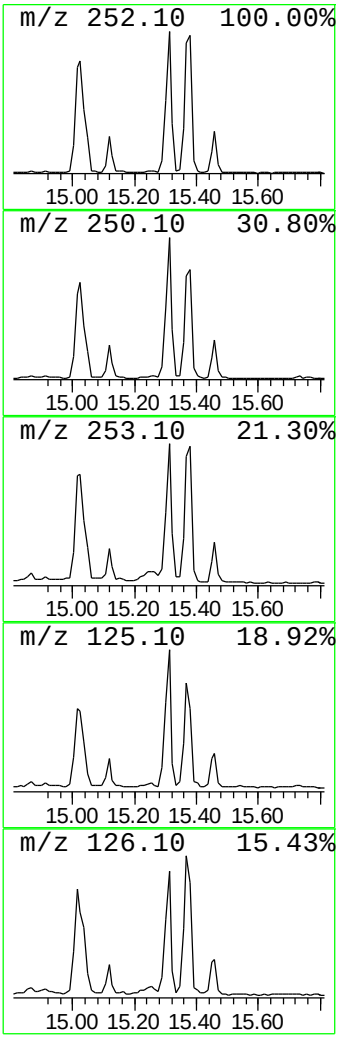
Peak Number 13 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.31	70.37 ng	2344250	Perylene-d12	15.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	99
2	Benzo[e]pyrene	252	C20H12	000192-97-2	99
3	Benzo[a]pyrene	252	C20H12	000050-32-8	96
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90





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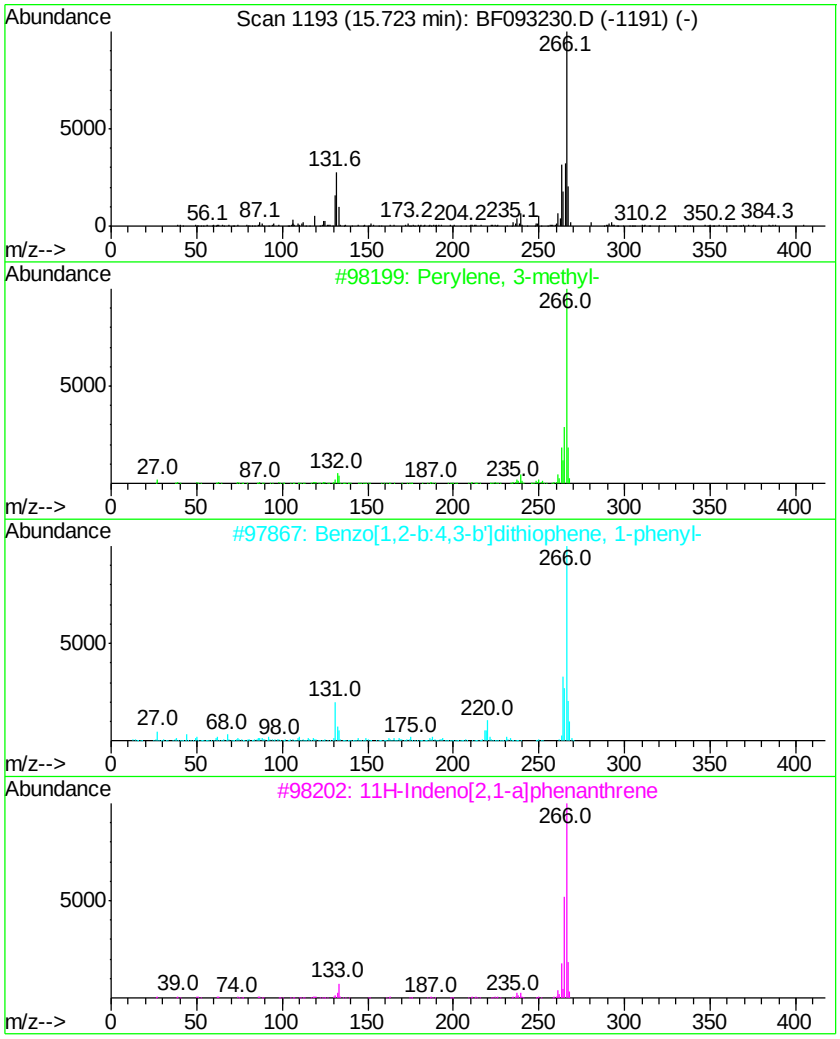
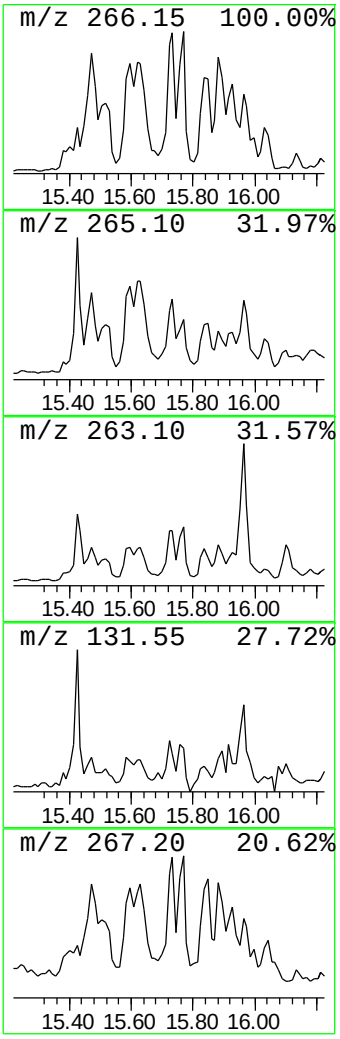
Peak Number 14 Perylene, 3-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.72	7.65 ng	254987	Perylene-d12	15.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene, 3-methyl-	266	C21H14	024471-47-4	70
2	Benzo[1,2-b:4,3-b']dithiophene, ...	266	C16H10S2	016587-58-9	59
3	11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	55
4	trans-4'-Amino-4-(dimethylamino)...	266	C17H18N2O	1000234-51-4	47
5	Indole, 3-methyl-2-(4-methyl-3-n...	266	C16H14N2O2	311765-55-6	47





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Sample : I1972-04 5X
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Instrument : BNA_F
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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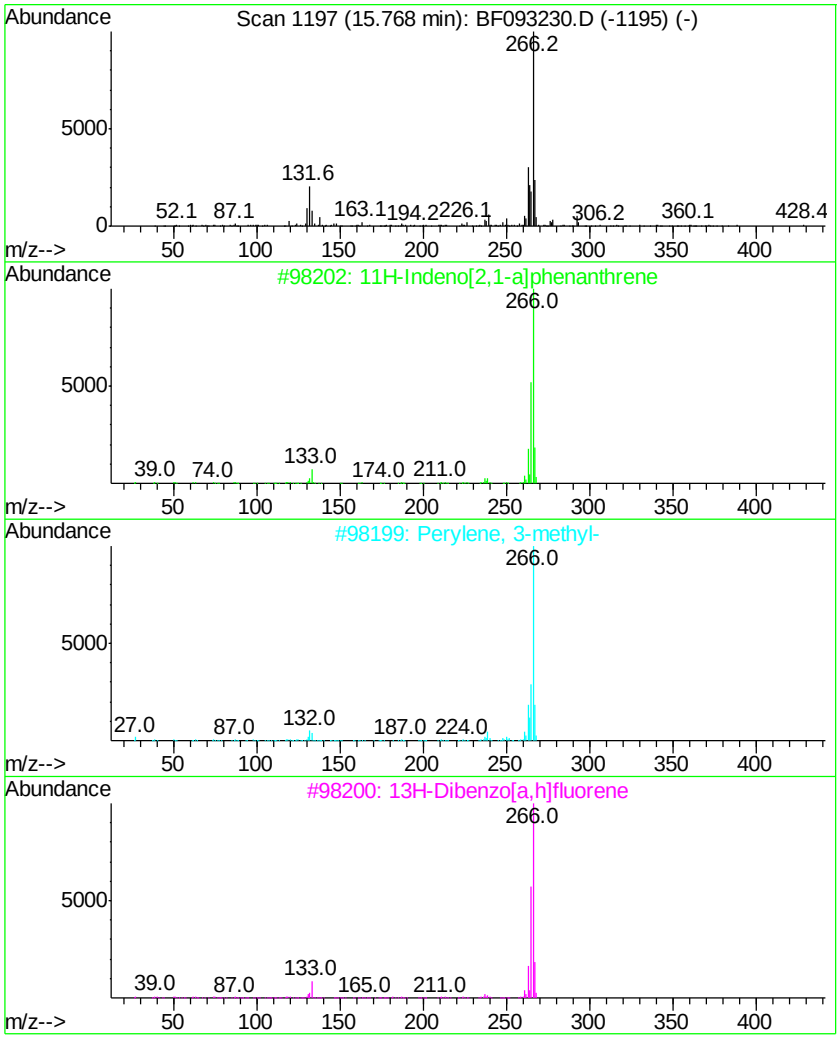
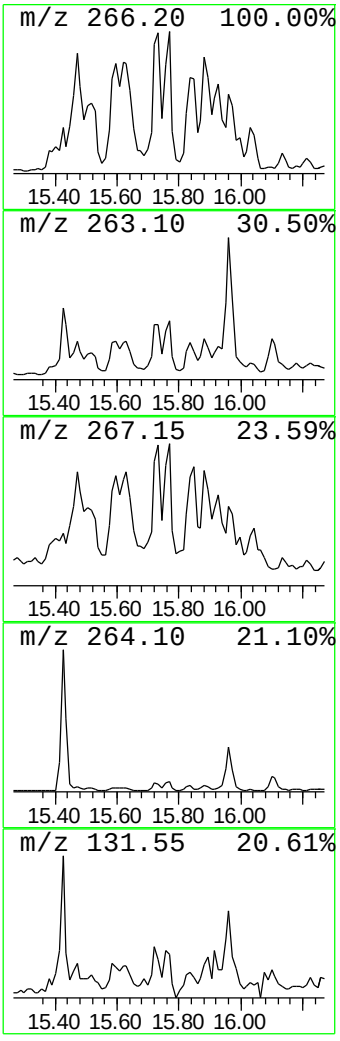
Peak Number 15 11H-Indeno[2,1-a]phenanthrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.77	9.11 ng	303461	Perylene-d12	15.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	64
2	Perylene, 3-methyl-	266	C21H14	024471-47-4	58
3	13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	58
4	8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	52
5	Propenone, 1-(4H-1,3-benzodioxin...	266	C17H14O3	126266-85-1	50





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Instrument : BNA_F
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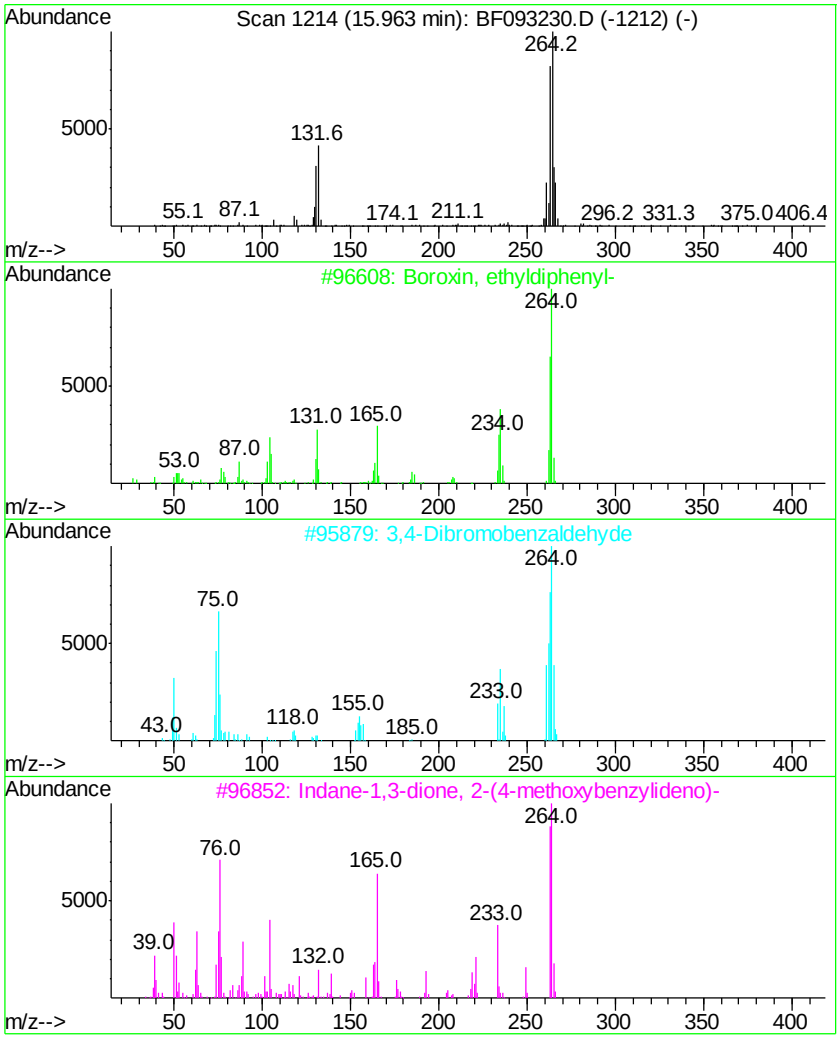
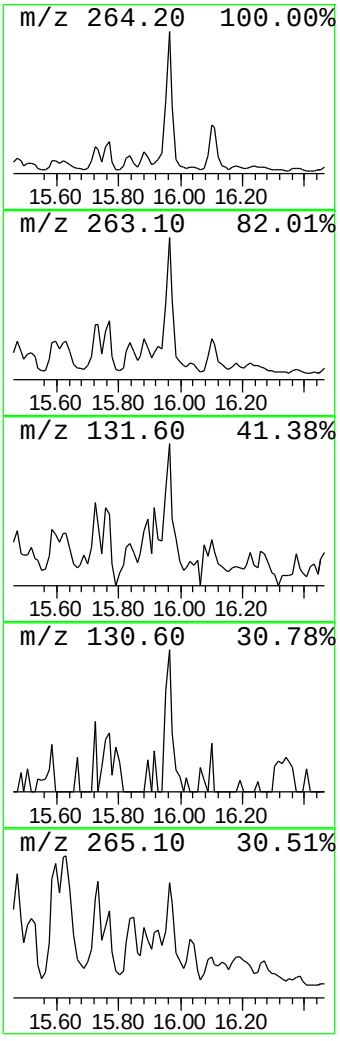
Peak Number 17 Boroxin, ethyldiphenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.96	14.77 ng	492101	Perylene-d12	15.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Boroxin, ethyldiphenyl-	264	C14H15B3O3	1000151-82-0	53
2	3,4-Dibromobenzaldehyde	262	C7H4Br2O	074003-55-7	52
3	Indane-1,3-dione, 2-(4-methoxybe...	264	C17H12O3	007421-76-3	37
4	1H-Pyrazole-4-carbonitrile, 3-(4...	263	C12H10ClN3S	068364-67-0	30
5	4-Benzylidene-1-phenyl-3,5-dioxo...	264	C16H12N2O2	015083-26-8	23





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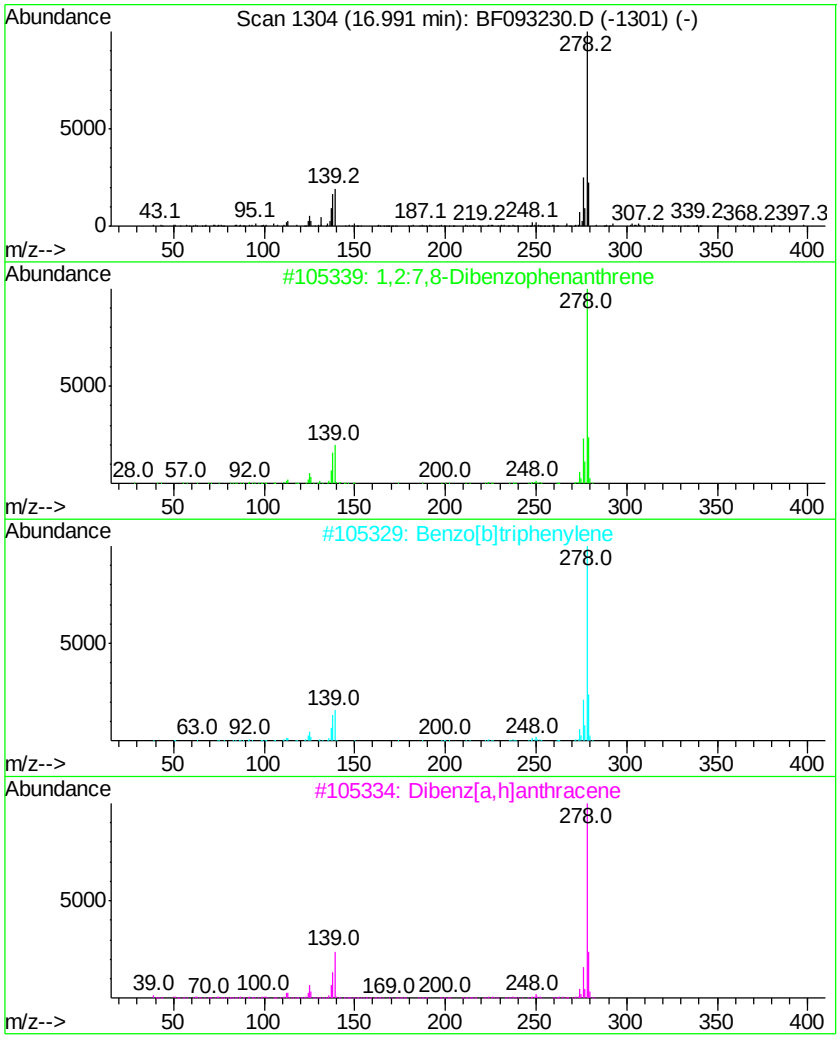
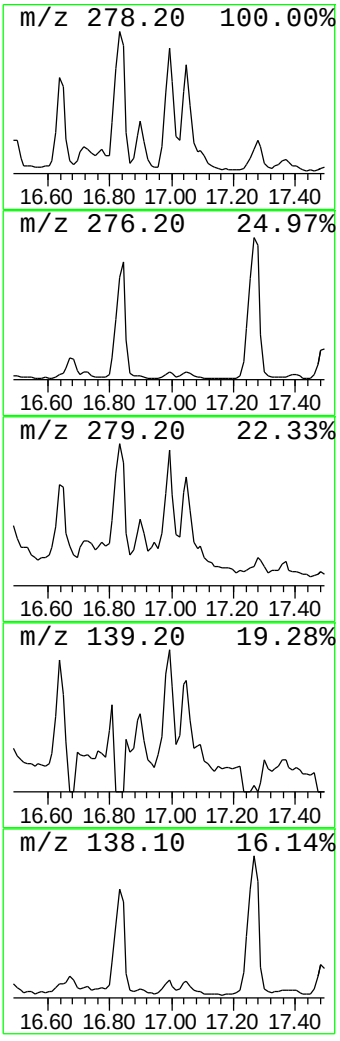
Peak Number 18 1,2:7,8-Dibenzophenanthrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.99	8.84 ng	294546	Perylene-d12	15.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	98
2	Benzo[b]triphenylene	278	C22H14	000215-58-7	98
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	96
4	Benzo[a]naphthacene	278	C22H14	000226-88-0	94
5	Pentacene	278	C22H14	000135-48-8	93





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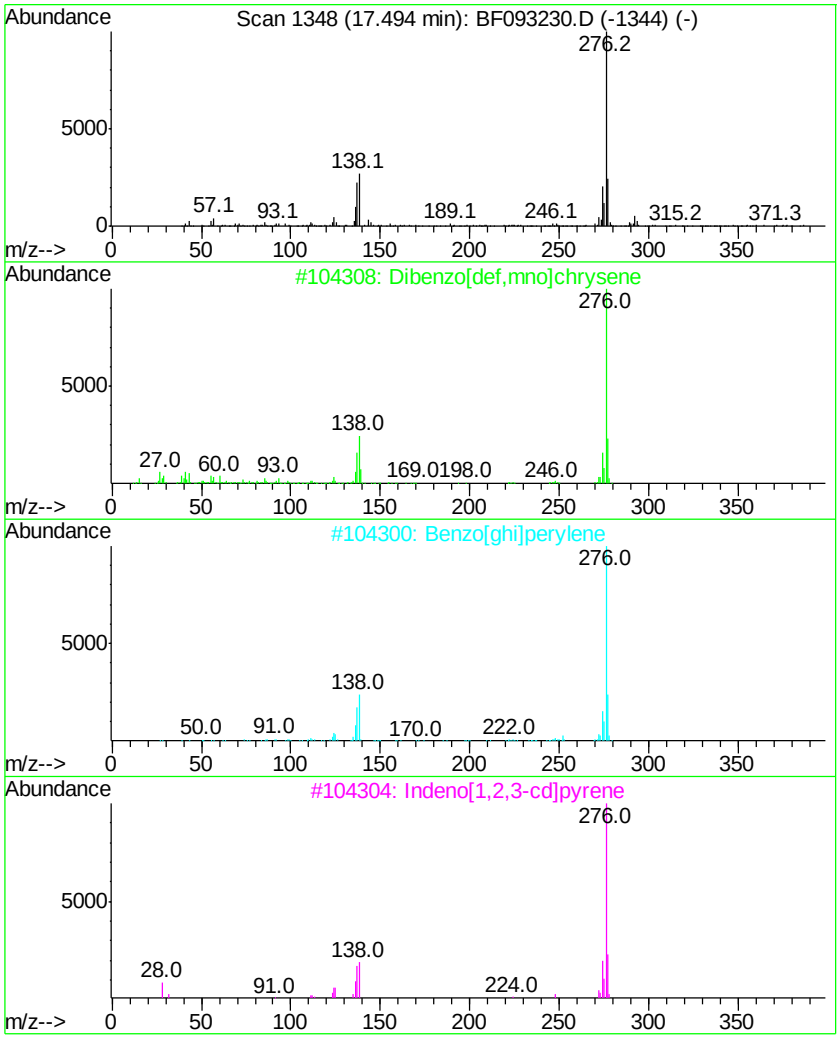
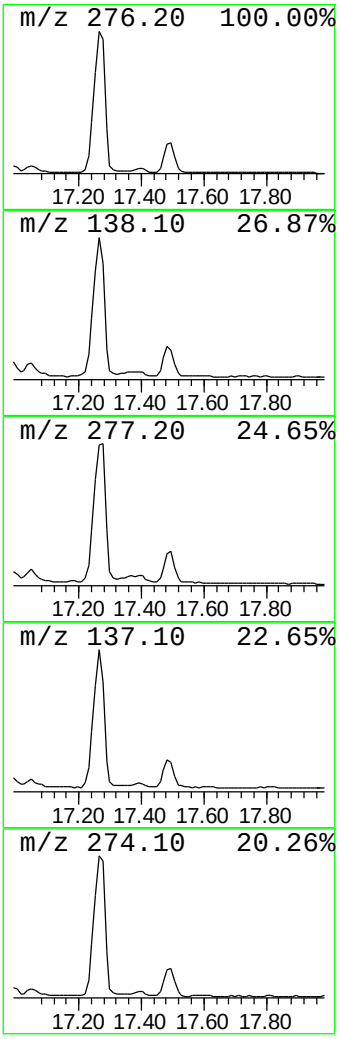
Peak Number 19 Dibenzo[def,mno]chrysene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.49	17.49 ng	582662	Perylene-d12	15.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	96
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	93
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	81
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	81
5	6H-Pyrido[4,3-b]carbazole, 9-met...	276	C18H16N2O	010371-86-5	47





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Instrument : BNA_F
ClientSampleId : E2B21-BASE-1

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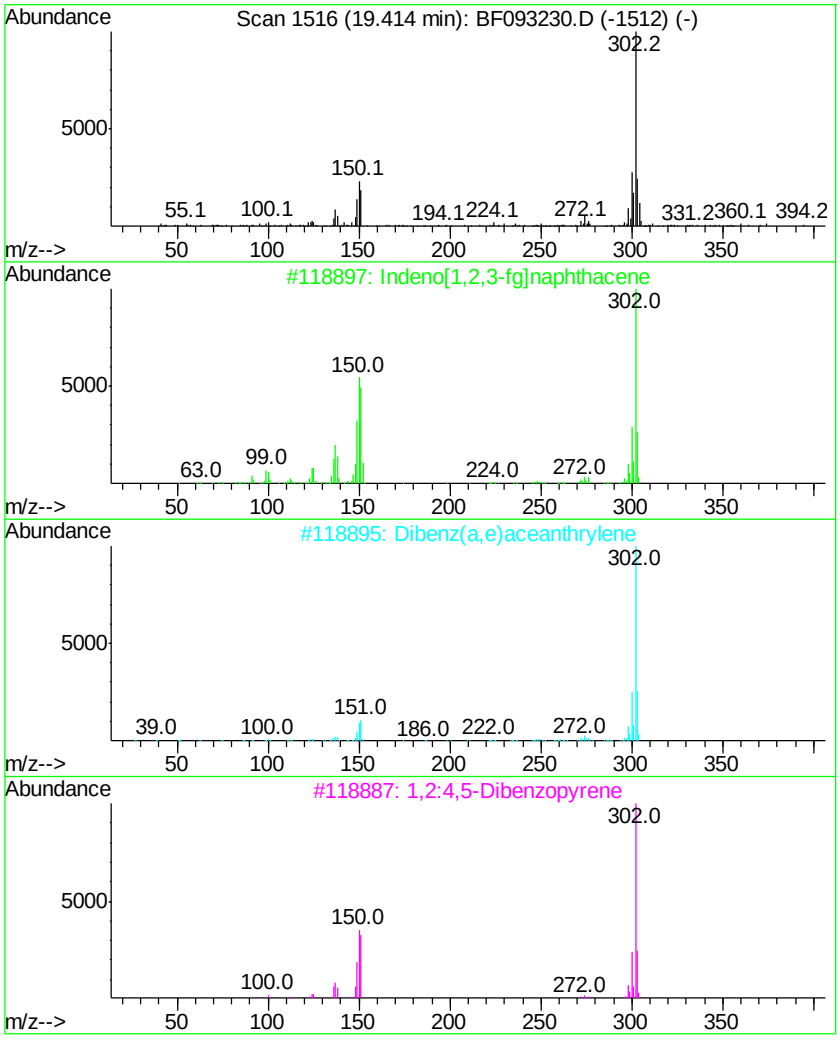
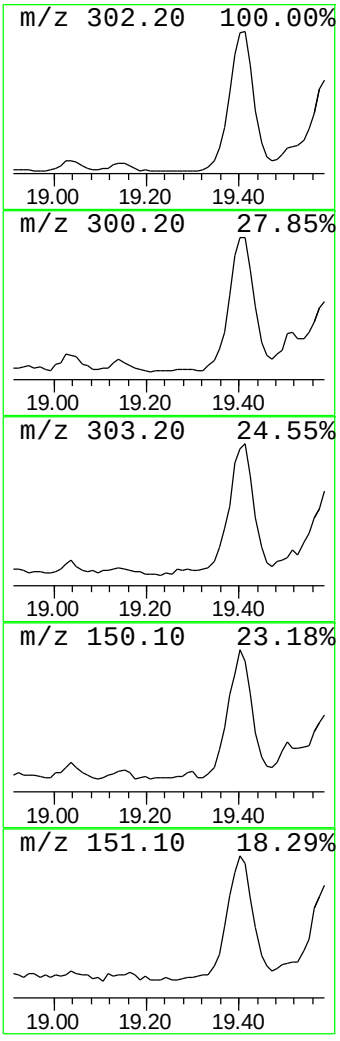
Peak Number 20 Indeno[1,2,3-fg]naphthacene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.41	15.78 ng	525592	Perylene-d12	15.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	96
2	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	95
3	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	94
4	3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	93
5	1,2:3,4-Dibenzopyrene	302	C24H14	000191-30-0	86





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022717\
Data File : BF093230.D
Acq On : 28 Feb 2017 3:05
Operator : SJ/MA
Sample : I1972-04 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2B21-BASE-1

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
Benzene, 1,3-dime...	5.36	7.6	ng	389867	1	6.82	1026370	20.0
unknown6.59	6.59	19.8	ng	1014350	1	6.82	1026370	20.0
1H-Indene, 1-(phe...	11.64	7.7	ng	444014	4	11.34	1149020	20.0
Phenanthrene, 2-m...	11.85	7.6	ng	438204	4	11.34	1149020	20.0
Anthracene, 1-met...	11.87	7.3	ng	418791	4	11.34	1149020	20.0
4H-Cyclopenta[def...	11.96	24.4	ng	1402650	4	11.34	1149020	20.0
2-Phenylnaphthalene	12.15	12.3	ng	703745	4	11.34	1149020	20.0
9,10-Dimethylanth...	12.40	8.5	ng	487018	4	11.34	1149020	20.0
unknown12.43	12.43	7.8	ng	450555	4	11.34	1149020	20.0
Cyclopenta(def)ph...	12.49	8.7	ng	497685	4	11.34	1149020	20.0
Perylene	15.31	70.4	ng	2344250	6	15.43	666287	20.0
Perylene, 3-methyl-	15.72	7.7	ng	254987	6	15.43	666287	20.0
11H-Indeno[2,1-a]...	15.77	9.1	ng	303461	6	15.43	666287	20.0
Boroxin, ethyldip...	15.96	14.8	ng	492101	6	15.43	666287	20.0
1,2:7,8-Dibenzoph...	16.99	8.8	ng	294546	6	15.43	666287	20.0
Dibenzo[def,mno]c...	17.49	17.5	ng	582662	6	15.43	666287	20.0
Indeno[1,2,3-fg]n...	19.41	15.8	ng	525592	6	15.43	666287	20.0