LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022817\
Data File : BF093257.D
Acq On : 28 Feb 2017 19:15
Operator : SJ/MA
Sample : I2017-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TK3-7-20170227

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	260	rBV	960810	1298735	31.56%	1.854%
2	5.413	289	291	301	rBV	2958374	3224739	78.36%	4.604%
3	6.464	381	383	391	rBV	2343358	3531678	85.82%	5.042%
4	6.590	391	394	396	rVV	2724138	3322634	80.74%	4.744%
5	6.636	396	398	401	rVB4	24762	45762	1.11%	0.065%
6	6.807	411	413	416	rBV	961908	852092	20.71%	1.217%
7	6.967	424	427	429	rBV	2731833	2464479	59.89%	3.519%
8	7.070	434	436	440	rBV	35890	55317	1.34%	0.079%
9	7.379	460	463	465	rBV	2139503	1932078	46.95%	2.758%
10	8.099	523	526	527	rBV	970547	1088745	26.46%	1.554%
11	8.465	555	558	560	rBV2	30458	55136	1.34%	0.079%
12	8.750	580	583	586	rBV2	32211	48870	1.19%	0.070%
13	8.808	586	588	592	rVB	141782	125332	3.05%	0.179%
14	8.910	592	597	599	rBV2	124230	186743	4.54%	0.267%
15	9.173	617	620	622	rBV	3052451	2850391	69.27%	4.070%
16	9.253	624	627	632	rBV4	39943	105137	2.55%	0.150%
17	9.436	641	643	645	rBV	75870	99526	2.42%	0.142%
18	9.505	647	649	650	rVV	154196	158361	3.85%	0.226%
19	9.528	650	651	653	rVV	60677	99753	2.42%	0.142%
20	9.573	653	655	657	rVV2	175011	259435	6.30%	0.370%
21	9.619	658	659	664	rVV2	75707	122419	2.97%	0.175%
22	9.710	664	667	669	rVV	934486	810884	19.70%	1.158%
23	9.779	671	673	675	rVV	69385	67547	1.64%	0.096%
24	9.848	675	679	681	rVV	1121187	1049169	25.50%	1.498%
25	9.882	681	682	684	rVB	105038	80900	1.97%	0.116%
26	10.008	690	693	695	rBV3	27943	57452	1.40%	0.082%
27	10.053	695	697	699	rVV	263331	254326	6.18%	0.363%
28	10.088	699	700	702	rVB2	68682	65401	1.59%	0.093%
29	10.168	705	707	708	rBV2	55046	83497	2.03%	0.119%
30	10.191	708	709	712	rVB	56429	60650	1.47%	0.087%
31	10.271	712	716	718	rBV2	95194	187096	4.55%	0.267%
32	10.396	725	727	730	rVB	233335	271122	6.59%	0.387%
33	10.453	730	732	733	rBV2	22079	43442	1.06%	0.062%
34	10.499	734	736	739	rVV2	56419	84925	2.06%	0.121%

LSC Area Percent Report

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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TK3-7-20170227

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

35	10.556	739	741	742	rVB	88081	112501	2.73%	0.161%
36	10.636	746	748	751	rVB	1326419	1360081	33.05%	1.942%
37	10.762	756	759	762	rVB2	124707	220969	5.37%	0.315%
38	10.831	762	765	768	rBV4	21333	62710	1.52%	0.090%
39	10.945	772	775	776	rBV2	71521	92335	2.24%	0.132%
40	11.093	784	788	791	rBV2	94718	202264	4.92%	0.289%
41	11.139	791	792	794	rVV	347564	338141	8.22%	0.483%
42	11.196	794	797	798	rVV2	84496	131624	3.20%	0.188%
43	11.231	798	800	803	rVB	229822	236132	5.74%	0.337%
44	11.333	806	809	810	rBV	858777	925818	22.50%	1.322%
45	11.356	810	811	813	rVV	2543160	2671587	64.92%	3.814%
46	11.413	813	816	817	rVV	554890	648846	15.77%	0.926%
47	11.448	817	819	821	rVB2	90170	108630	2.64%	0.155%
48	11.573	826	830	832	rBV2	342047	504695	12.26%	0.721%
49	11.619	833	834	837	rVB3	62573	91619	2.23%	0.131%
50	11.665	837	838	840	rVB2	112606	137641	3.34%	0.197%
51	11.745	840	845	847	rVB3	66688	121999	2.96%	0.174%
52	11.791	847	849	851	rBV	70406	69746	1.69%	0.100%
53	11.836	851	853	854	rBV	468513	453047	11.01%	0.647%
54	11.859	854	855	857	rVB	533661	570706	13.87%	0.815%
55	11.916	857	860	861	rBV2	104937	172982	4.20%	0.247%
56	11.951	861	863	867	rVB2	463124	932861	22.67%	1.332%
57	12.019	867	869	872	rBV3	93454	212311	5.16%	0.303%
58	12.134	876	879	880	rVV	252194	291664	7.09%	0.416%
59	12.168	880	882	884	rVB	480740	539306	13.11%	0.770%
60	12.282	889	892	893	rBV2	91968	156954	3.81%	0.224%
61	12.305	893	894	896	rBV	51186	68562	1.67%	0.098%
62	12.385	898	901	902	rBV	302929	329205	8.00%	0.470%
63	12.419	902	904	907	rVB3	229793	316331	7.69%	0.452%
64	12.476	907	909	913	rBV	475744	490856	11.93%	0.701%
65	12.556	913	916	918	rBV	3834737	4111623	99.91%	5.870%
66	12.614	918	921	922	rBV2	133357	177830	4.32%	0.254%
67	12.648	922	924	925	rVB	342362	361494	8.78%	0.516%
68	12.694	925	928	932	rBV3	270464	433569	10.54%	0.619%
69	12.785	932	936	938	rBV2	3414931	4115183	100.00%	5.875%
70	12.831	938	940	942	rVB	141176	164006	3.99%	0.234%
71	12.922	944	948	951	rBV2	1744683	2595720	63.08%	3.706%

LSC Area Percent Report

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Acq On : 28 Feb 2017 19:15
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Sample : I2017-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TK3-7-20170227

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	13.002	951	955	956	rBV2	325421	525094	12.76%	0.750%
73	13.105	960	964	966	rVB2	331078	702903	17.08%	1.004%
74	13.139	966	967	969	rBV2	99006	148383	3.61%	0.212%
75	13.208	969	973	977	rVB	454426	698175	16.97%	0.997%
76	13.265	977	978	979	rBV	84041	75833	1.84%	0.108%
77	13.299	979	981	982	rVV	283624	262715	6.38%	0.375%
78	13.334	982	984	988	rVB2	267149	338629	8.23%	0.483%
79	13.482	995	997	999	rBV3	125247	207546	5.04%	0.296%
80	13.619	1006	1009	1011	rBV	714084	634063	15.41%	0.905%
81	13.722	1016	1018	1019	rBV	518222	532301	12.94%	0.760%
82	13.779	1022	1023	1025	rVV2	238117	357393	8.68%	0.510%
83	13.825	1025	1027	1031	rVB2	594601	783953	19.05%	1.119%
84	13.894	1031	1033	1036	rBV2	101853	144408	3.51%	0.206%
85	13.974	1036	1040	1042	rBV2	1939509	3832950	93.14%	5.472%
86	14.008	1042	1043	1045	rVB	1812608	1293534	31.43%	1.847%
87	14.122	1051	1053	1056	rBV3	227995	396871	9.64%	0.567%
88	14.328	1069	1071	1072	rBV	138983	152110	3.70%	0.217%
89	14.362	1072	1074	1076	rVV	355825	435438	10.58%	0.622%
90	14.397	1076	1077	1079	rVV	174697	239480	5.82%	0.342%
91	14.488	1083	1085	1089	rVV3	146797	260477	6.33%	0.372%
92	14.842	1114	1116	1120	rVB2	164258	220871	5.37%	0.315%
93	15.002	1127	1130	1137	rVB2	1256654	2823417	68.61%	4.031%
94	15.105	1137	1139	1142	rBV	331177	409528	9.95%	0.585%
95	15.288	1153	1155	1158	rVB	709489	946200	22.99%	1.351%
96	15.357	1158	1161	1163	rBV	836622	1230442	29.90%	1.757%
97	15.402	1163	1165	1167	rBV	330517	543222	13.20%	0.776%
98	16.031	1218	1220	1229	rVB5	173746	437093	10.62%	0.624%
99	16.808	1285	1288	1292	rBV	533663	1002627	24.36%	1.431%
100	17.231	1322	1325	1330	rVB	400288	831497	20.21%	1.187%

Sum of corrected areas: 70042474

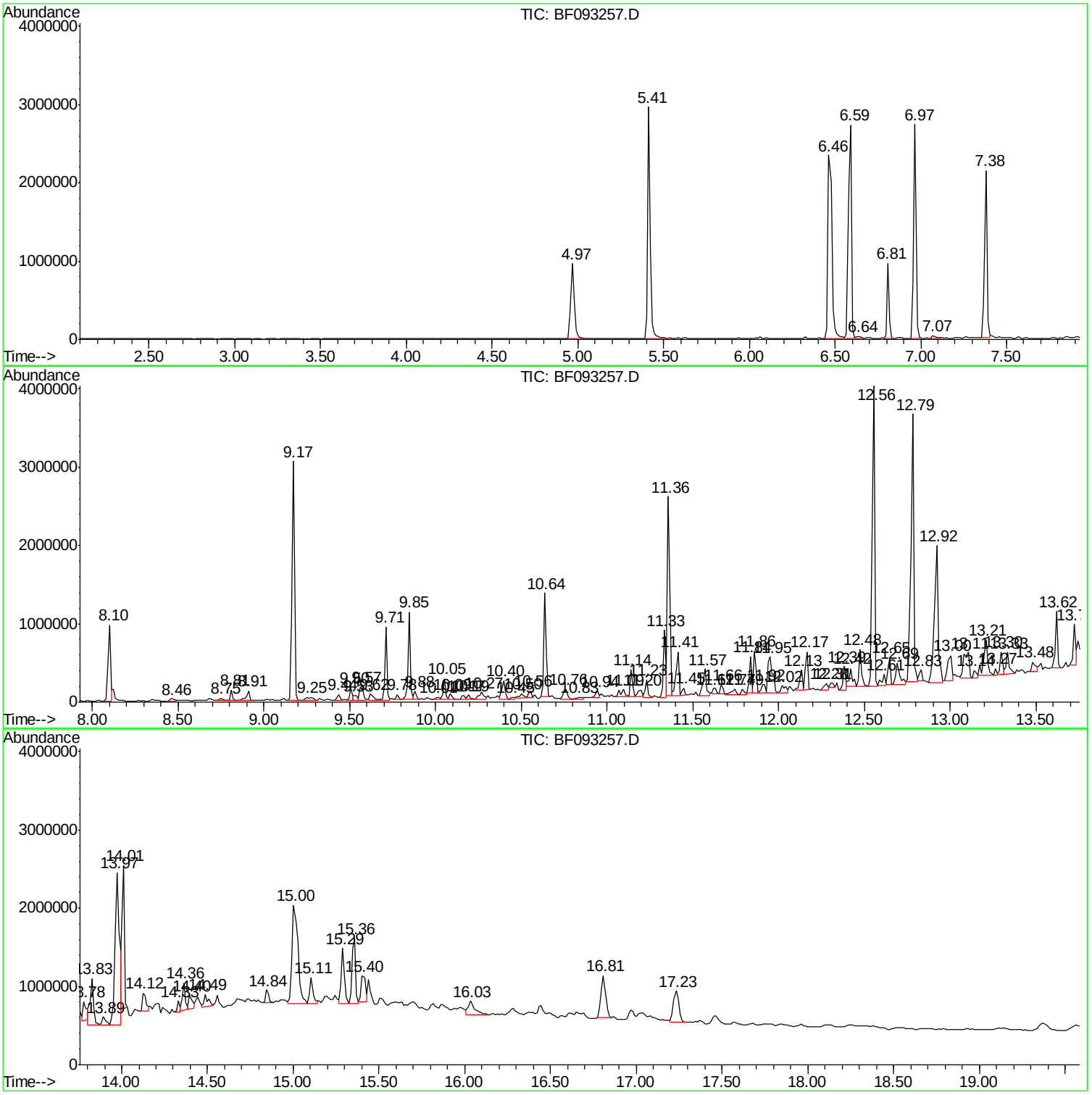
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022817\
Data File : BF093257.D
Acq On : 28 Feb 2017 19:15
Operator : SJ/MA
Sample : I2017-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TK3-7-20170227

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\BF022817\
Data File : BF093257.D
Acq On : 28 Feb 2017 19:15
Operator : SJ/MA
Sample : I2017-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TK3-7-20170227

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

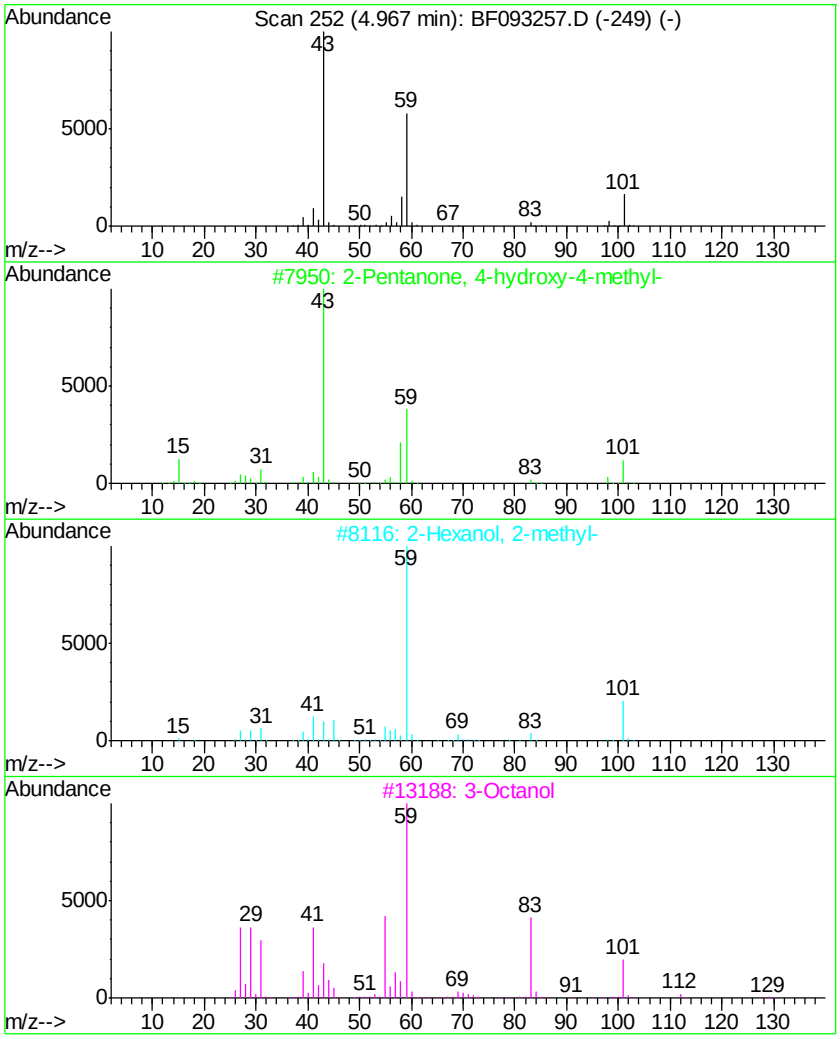
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

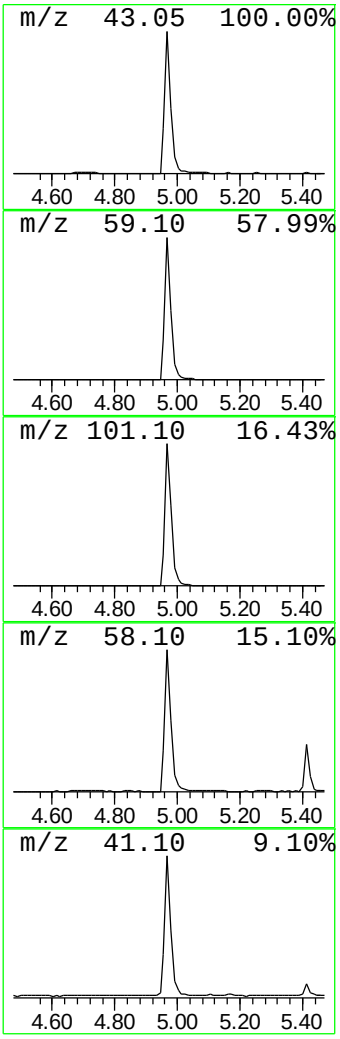
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.97	30.48 ng	1298740	1,4-Dichlorobenzene-d4	6.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
3	3-Octanol	130	C8H18O	000589-98-0	33
4	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	33
5	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022817\
Data File : BF093257.D
Acq On : 28 Feb 2017 19:15
Operator : SJ/MA
Sample : I2017-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TK3-7-20170227

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

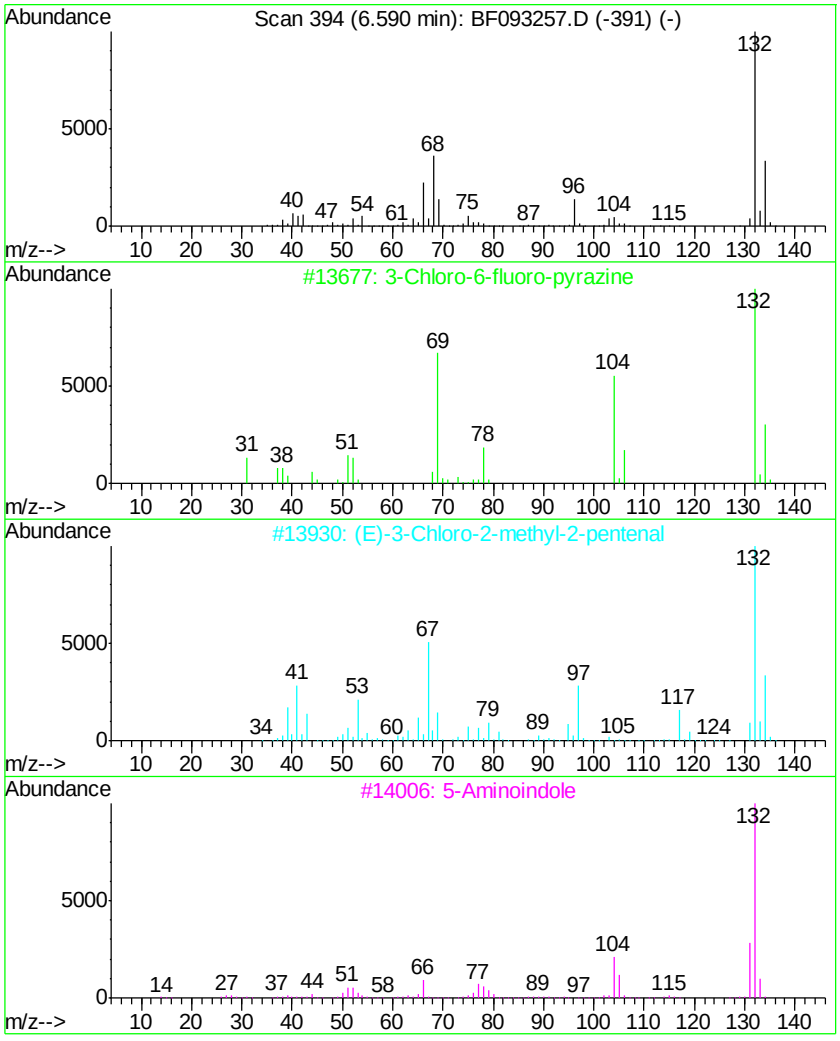
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

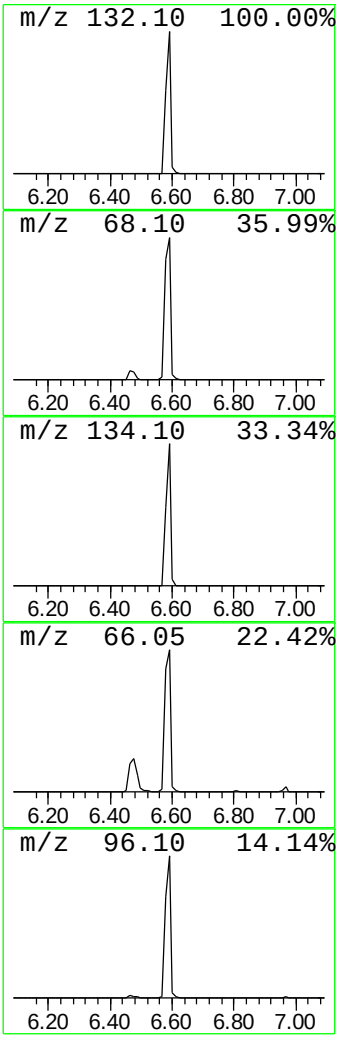
****

Peak Number 2 unknown6.59 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.59	77.99 ng	3322630	1,4-Dichlorobenzene-d4	6.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	5-Aminoindole	132	C8H8N2	005192-03-0	16
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	16
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





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ClientSampleId : TK3-7-20170227

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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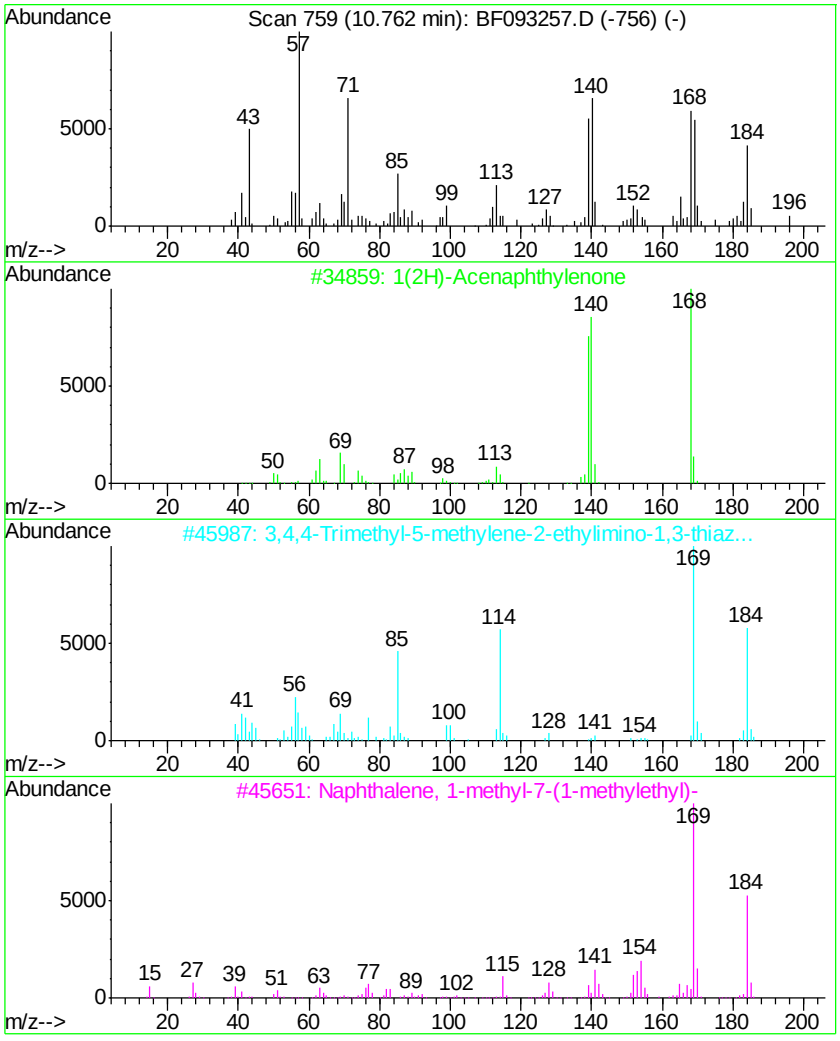
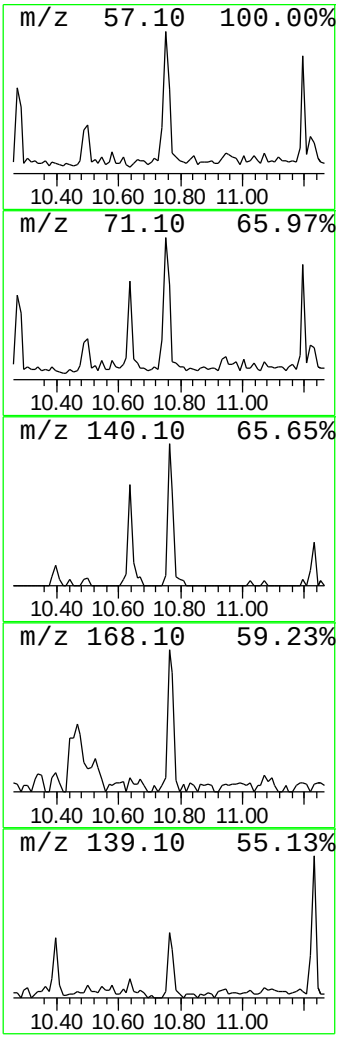
Peak Number 4 unknown10.76 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.76	4.77 ng	220969	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	46
2	3,4,4-Trimethyl-5-methylene-2-et...	184	C9H16N2S	037120-36-8	38
3	Naphthalene, 1-methyl-7-(1-methy...	184	C14H16	000490-65-3	35
4	Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	35
5	Azacyclodecan-2,7-dione	169	C9H15NO2	099379-80-3	30





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Instrument : BNA_F
ClientSampleId : TK3-7-20170227

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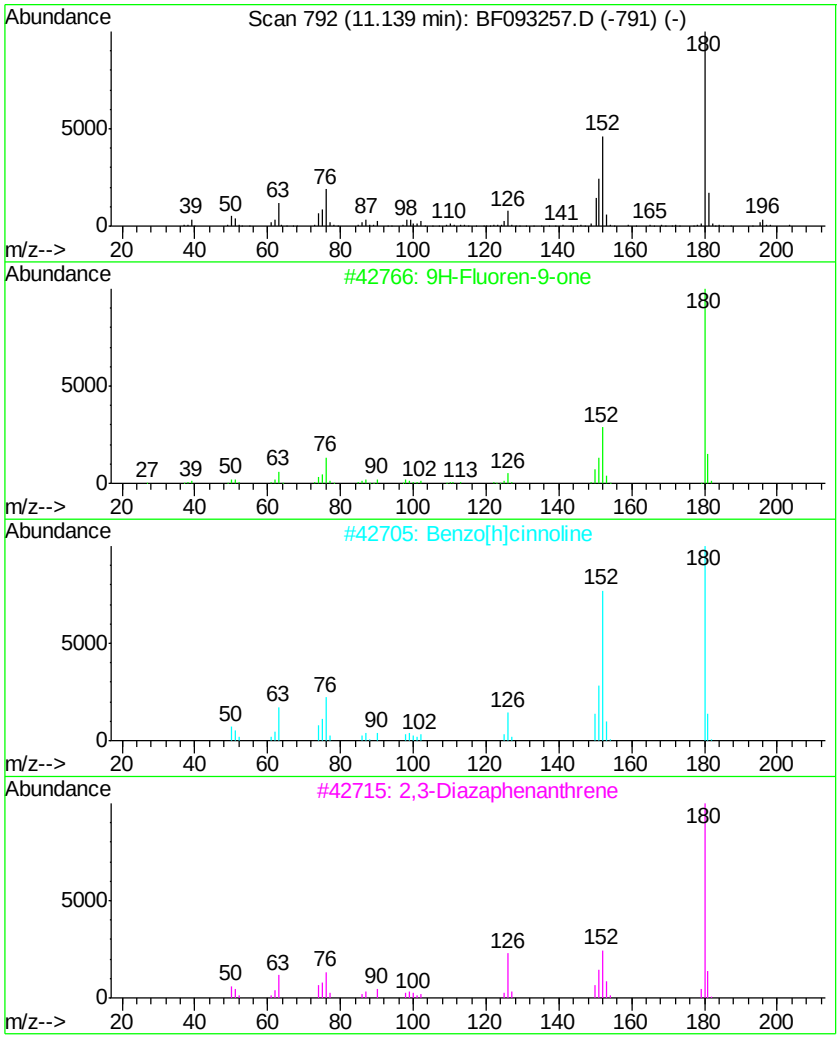
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

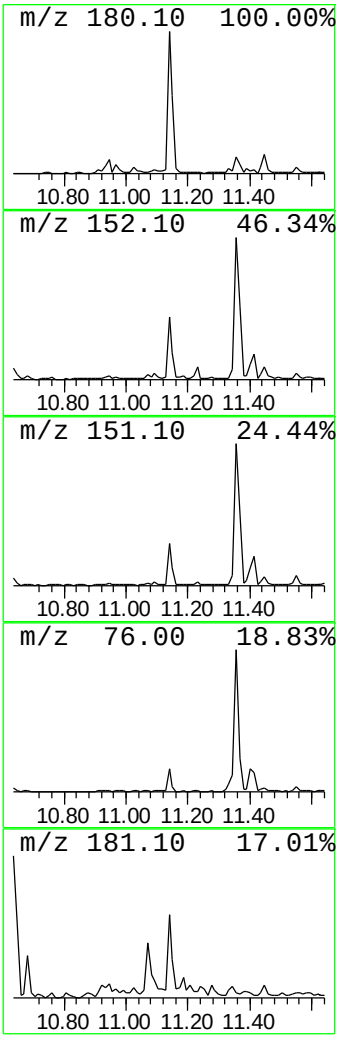
****

Peak Number 5 9H-Fluoren-9-one Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.14	7.30 ng	338141	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91
3	2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	53
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	52
5	1,3-Diazaphenanthrene	180	C12H8N2	000229-75-4	43





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Data File : BF093257.D
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Operator : SJ/MA
Sample : I2017-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TK3-7-20170227

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

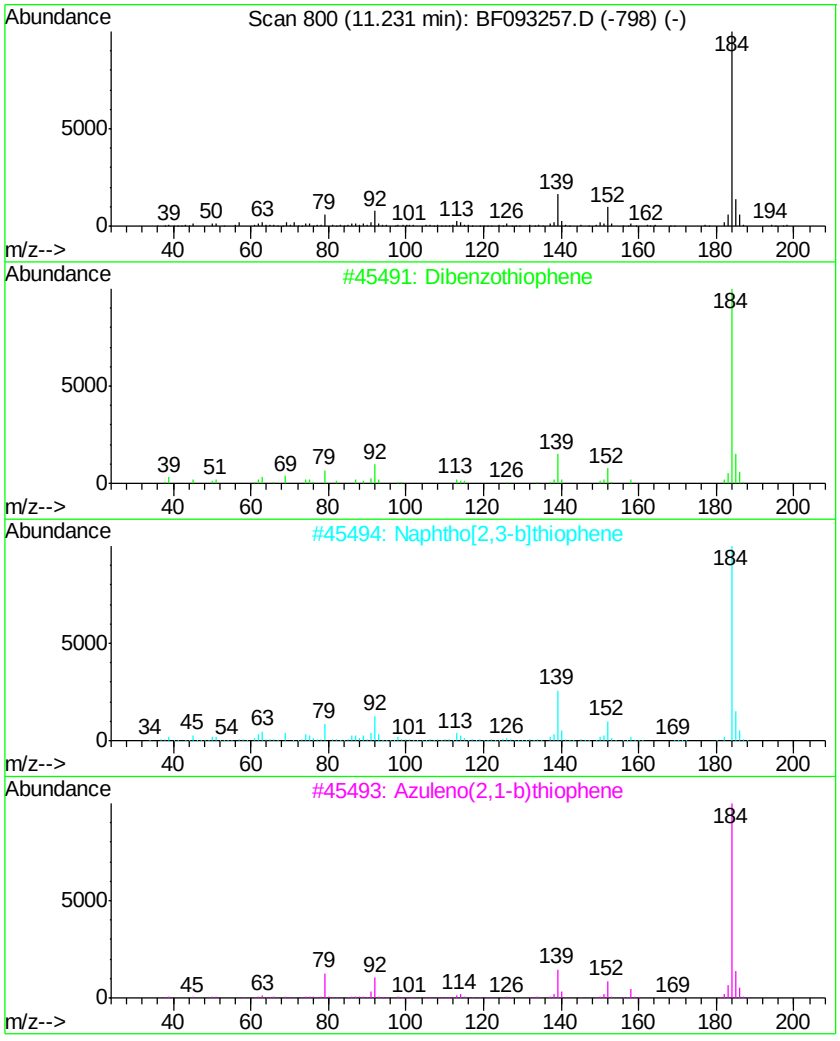
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

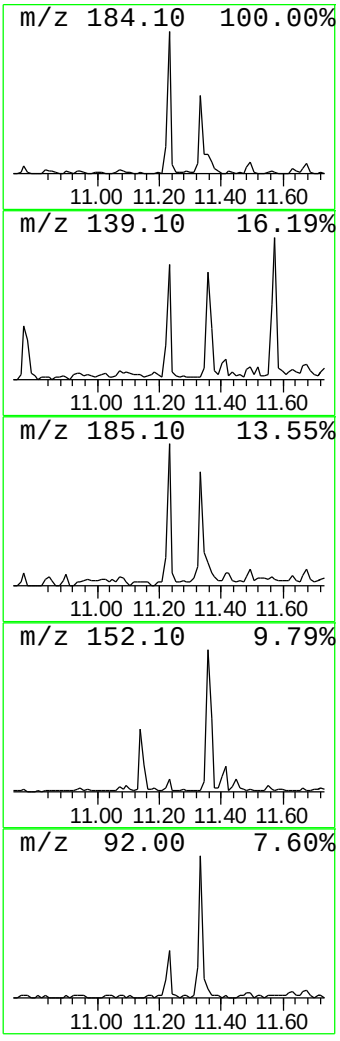
****

Peak Number 6 Dibenzothiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.23	5.10 ng	236132	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
4	Naphthalene, 2-ethenyl-6-methoxy-	184	C13H12O	063444-51-9	80
5	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022817\
Data File : BF093257.D
Acq On : 28 Feb 2017 19:15
Operator : SJ/MA
Sample : I2017-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TK3-7-20170227

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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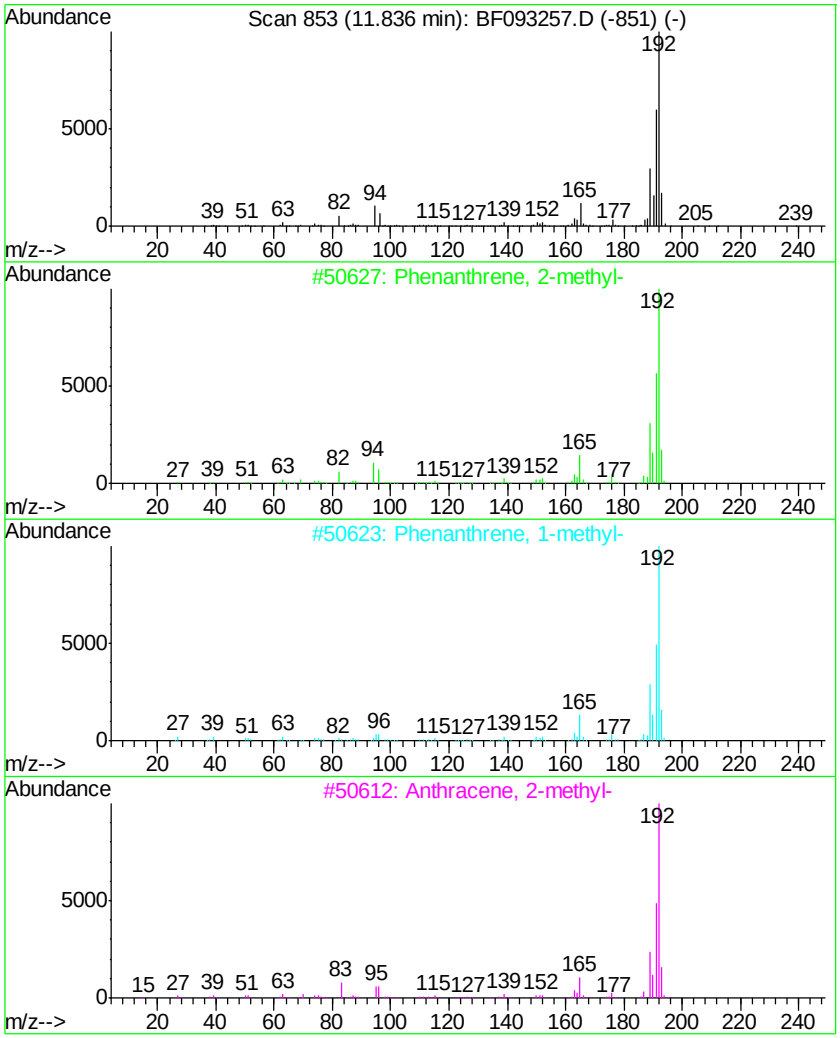
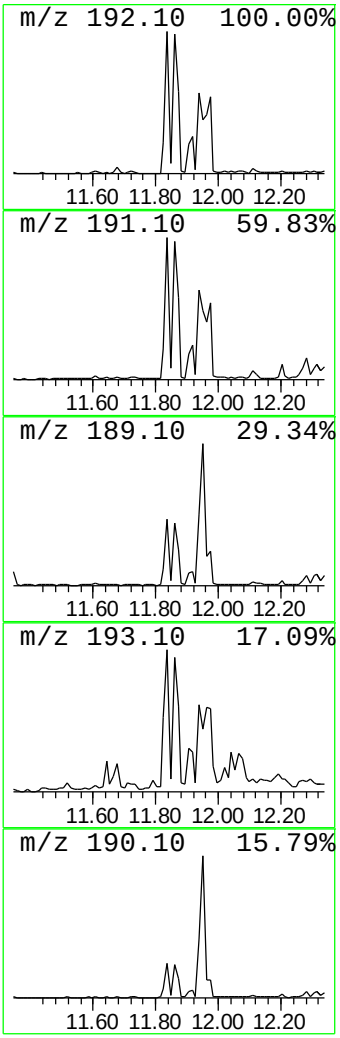
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.84	9.79 ng	453047	Phenanthrene-d10	11.33

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, 2-methyl-	192	C15H12	000613-12-7	96
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	94
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94





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Data File : BF093257.D
Acq On : 28 Feb 2017 19:15
Operator : SJ/MA
Sample : I2017-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TK3-7-20170227

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

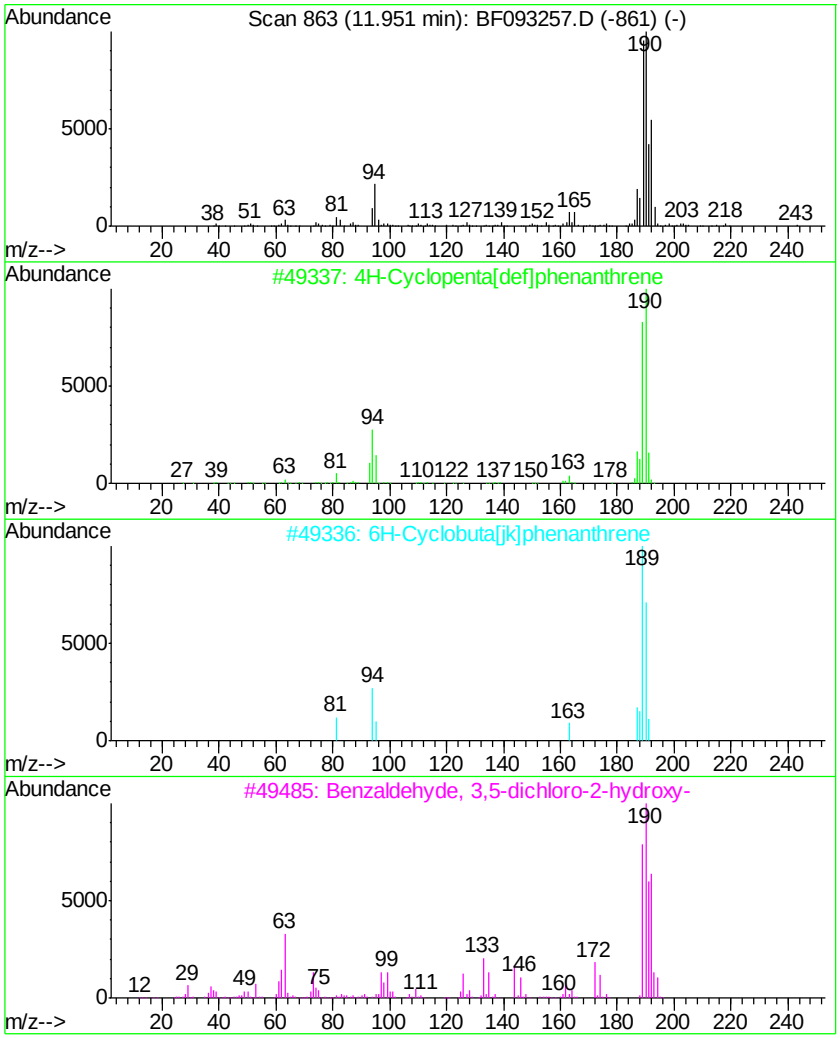
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

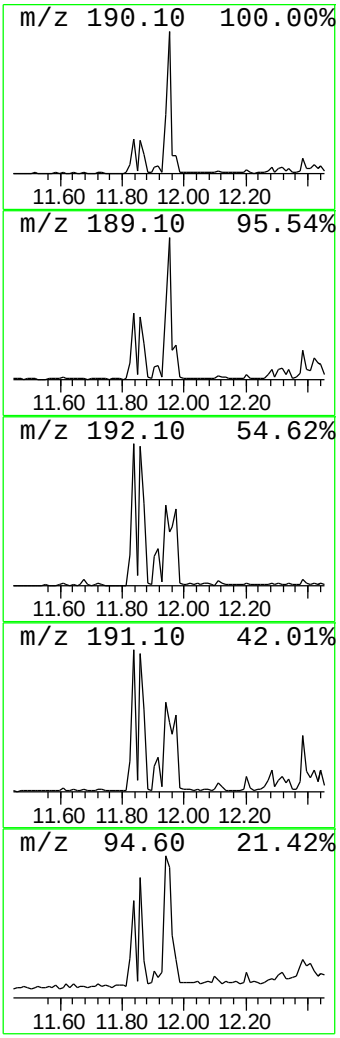
****

Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	20.15 ng	932861	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
3	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	50
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
5	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	30





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Operator : SJ/MA
Sample : I2017-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TK3-7-20170227

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

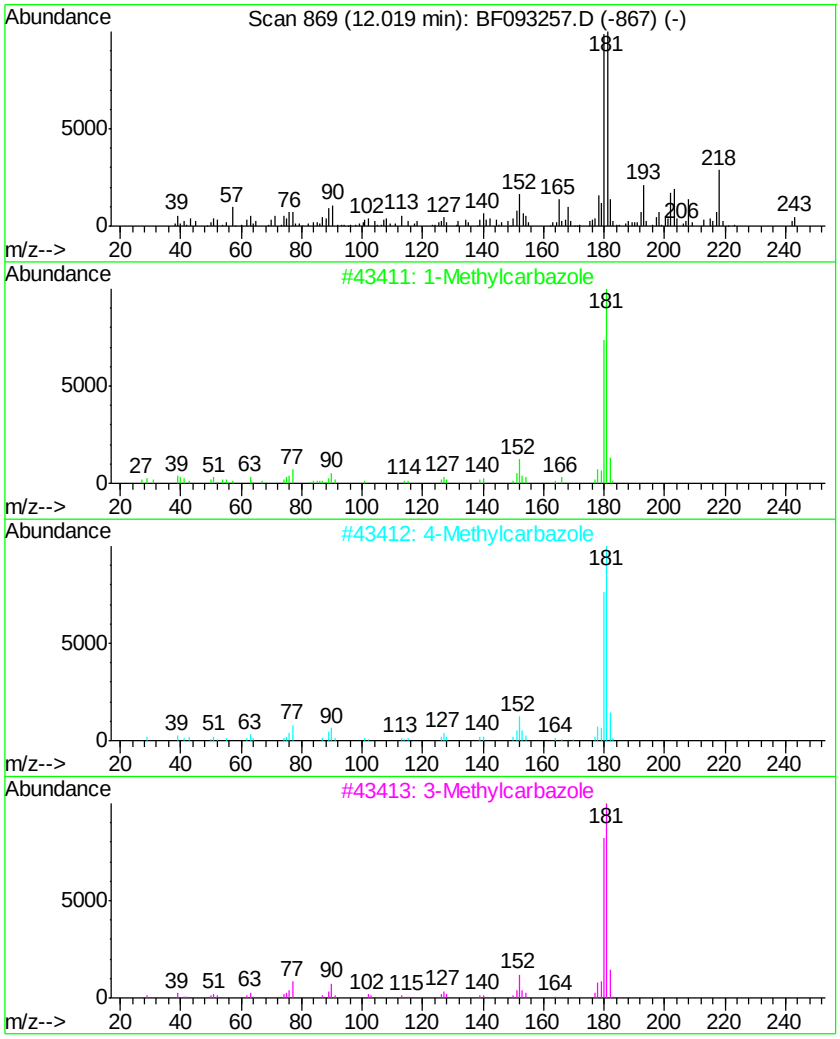
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

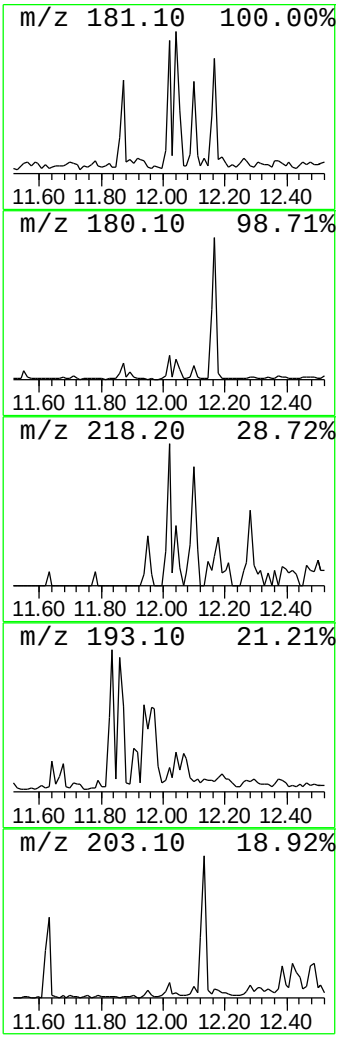
****

Peak Number 10 1-Methylcarbazole Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	4.59 ng	212311	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methylcarbazole	181	C13H11N	006510-65-2	92
2	4-Methylcarbazole	181	C13H11N	003770-48-7	91
3	3-Methylcarbazole	181	C13H11N	004630-20-0	91
4	Methylcarbazole	181	C13H11N	027323-29-1	83
5	9H-Carbazole, 2-methyl-	181	C13H11N	003652-91-3	83





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Sample : I2017-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TK3-7-20170227

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

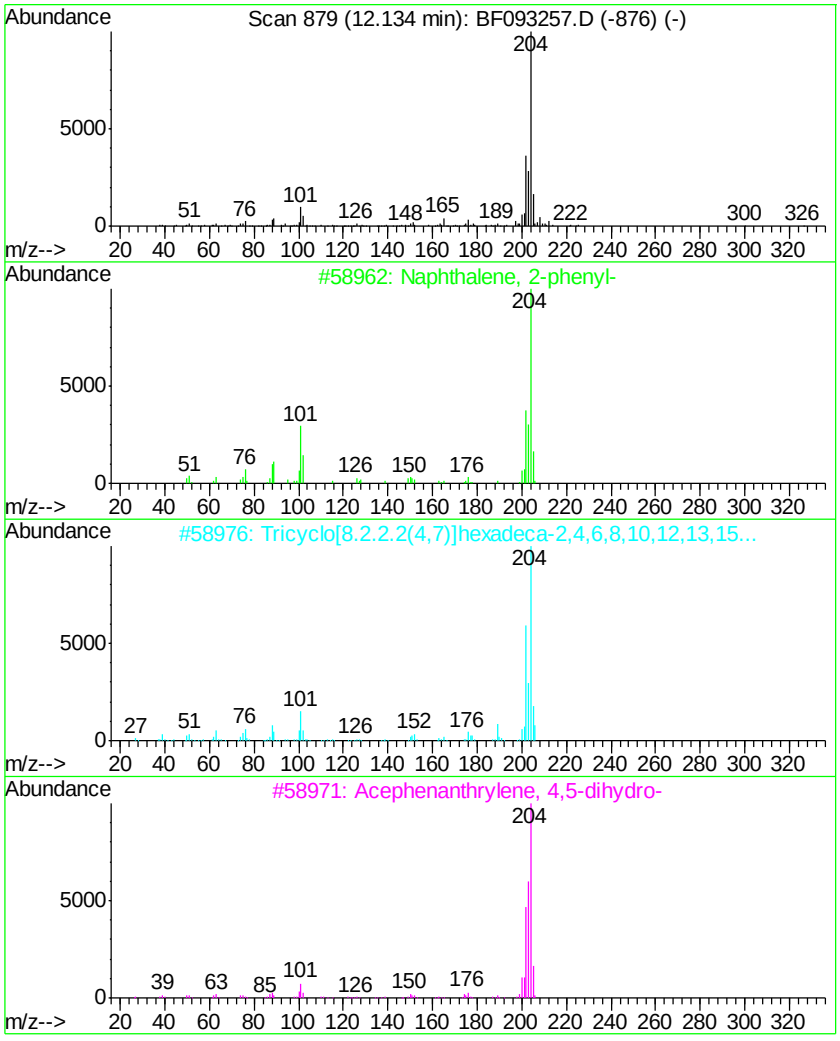
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

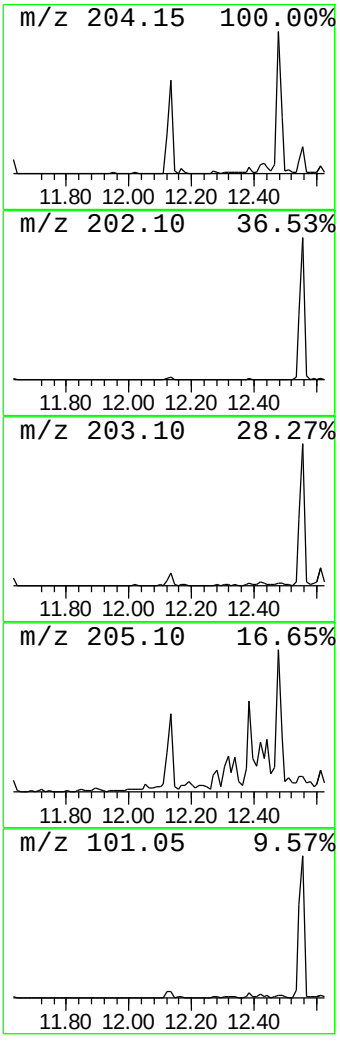
****

Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	6.30 ng	291664	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	72
3	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	50
4	Quinoline, 6-methoxy-8-nitro-	204	C10H8N2O3	000085-81-4	50
5	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	50





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Operator : SJ/MA
Sample : I2017-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TK3-7-20170227

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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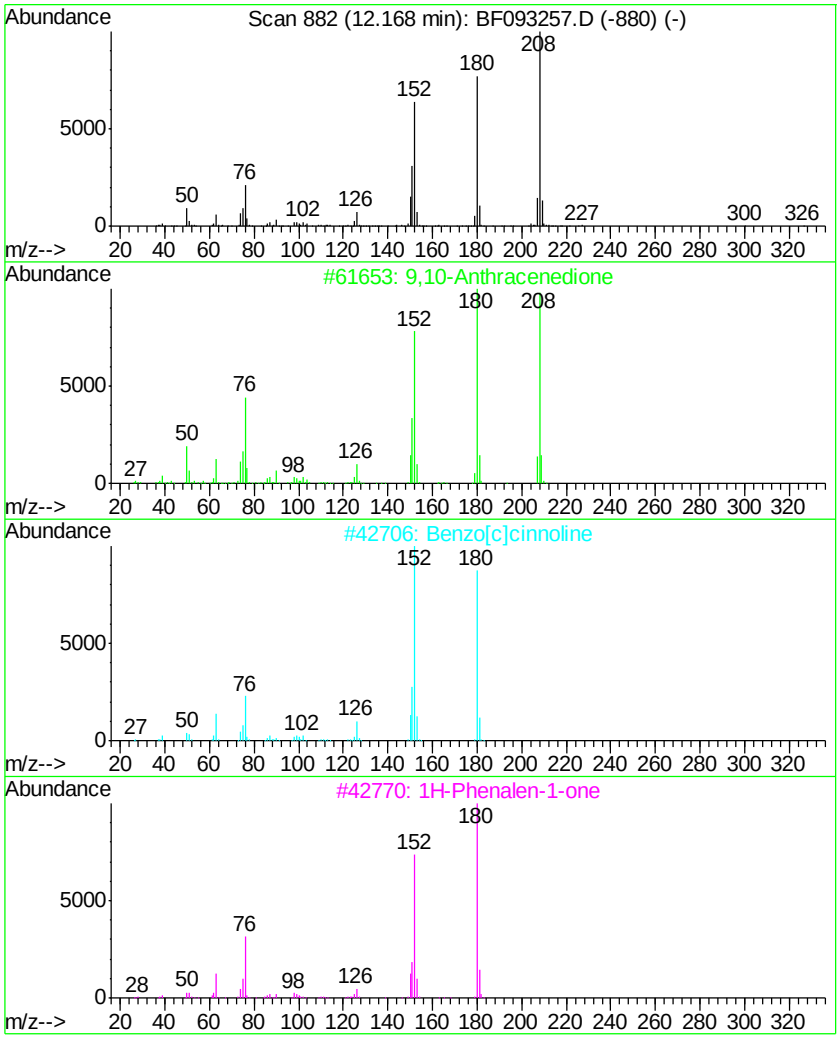
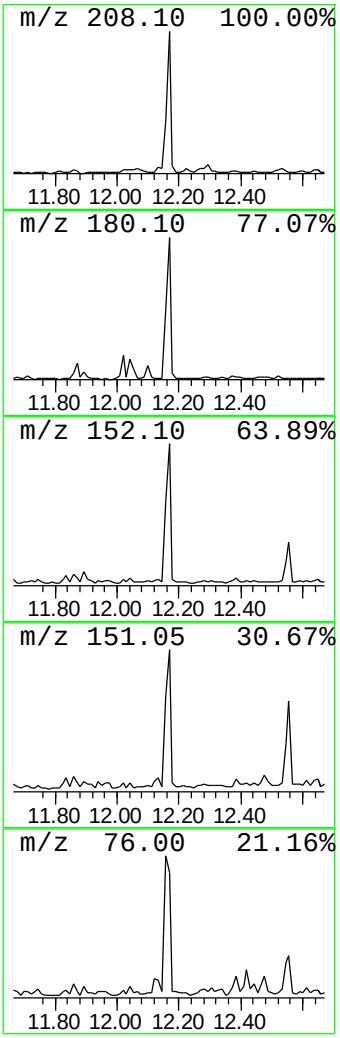
Peak Number 12 9,10-Anthracenedione Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	11.65 ng	539306	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	50
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	49





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF022817\
Data File : BF093257.D
Acq On : 28 Feb 2017 19:15
Operator : SJ/MA
Sample : I2017-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TK3-7-20170227

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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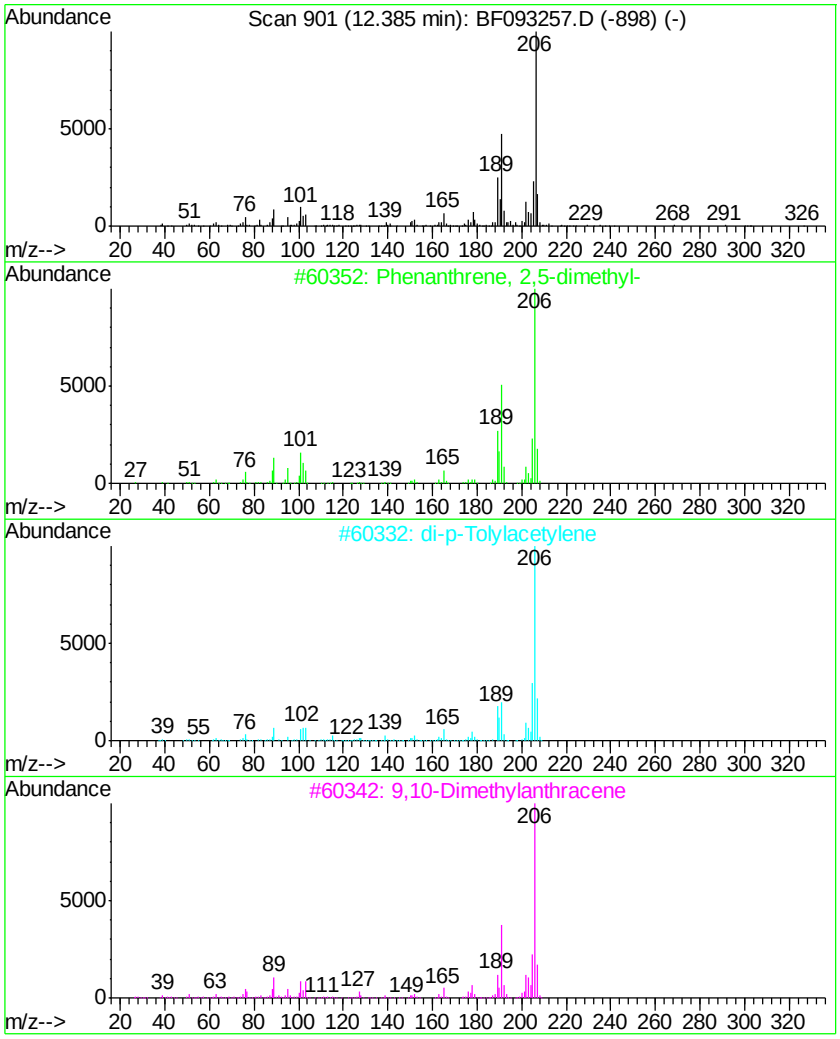
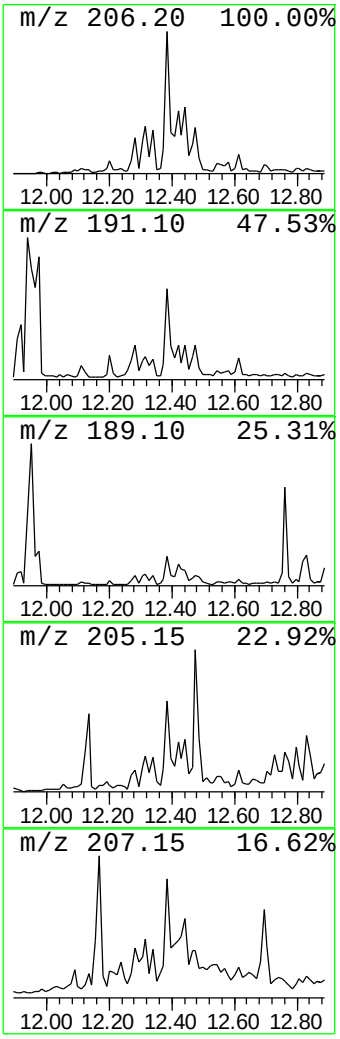
Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	7.11 ng	329205	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	95
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93





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Sample : I2017-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TK3-7-20170227

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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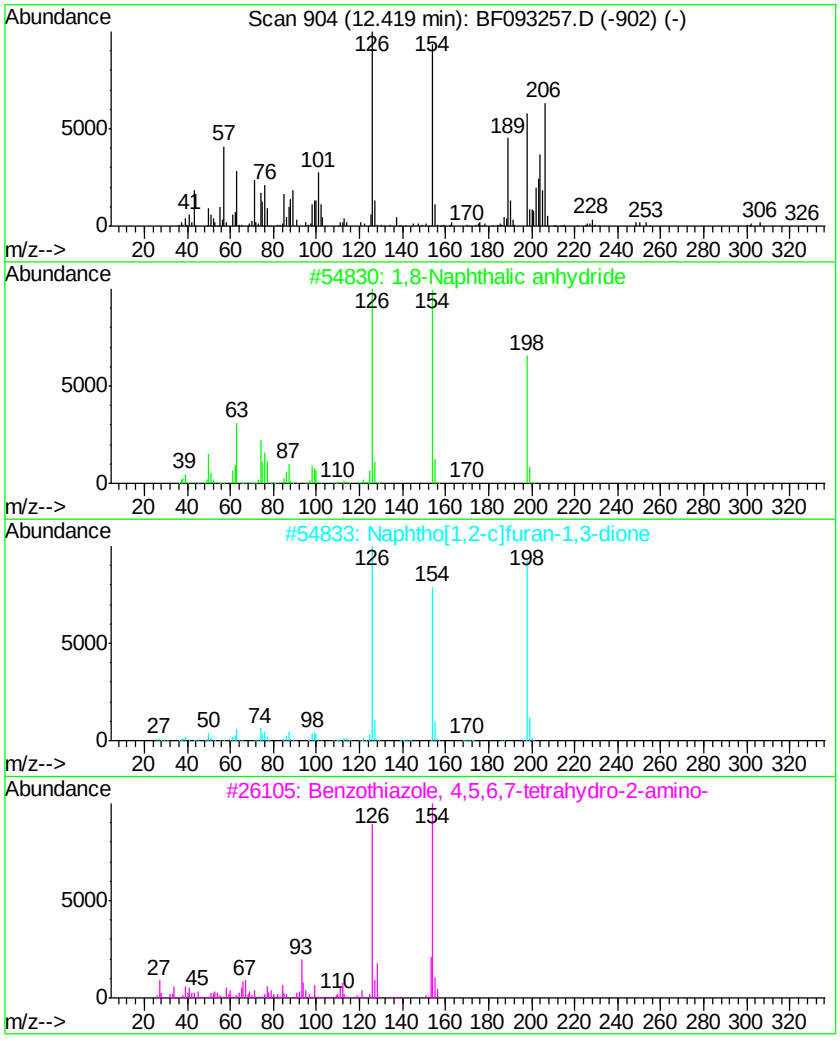
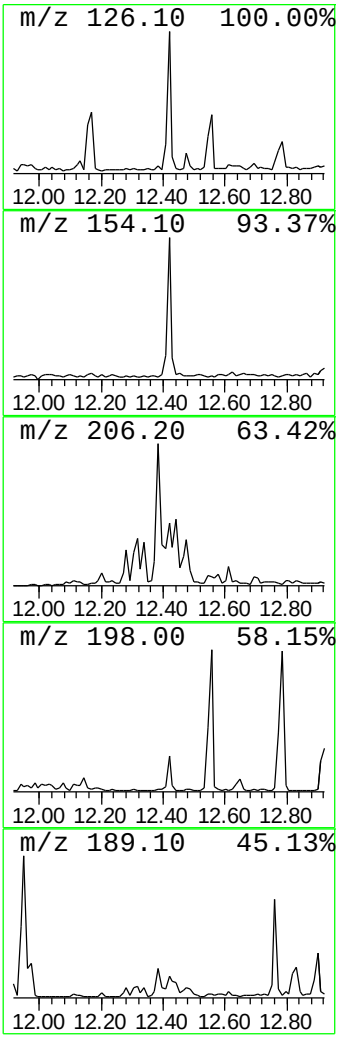
Peak Number 14 1,8-Naphthalic anhydride Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	6.83 ng	316331	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,8-Naphthalic anhydride	198	C12H6O3	000081-84-5	96
2	Naphtho[1,2-c]furan-1,3-dione	198	C12H6O3	005343-99-7	45
3	Benzothiazole, 4,5,6,7-tetrahydr...	154	C7H10N2S	002933-29-1	27
4	1H-Benz[f]indene-1,3(2H)-dione, ...	228	C13H8O4	038627-57-5	22
5	2,3-Naphthalenedicarboxylic acid	216	C12H8O4	002169-87-1	16





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Instrument : BNA_F
ClientSampleId : TK3-7-20170227

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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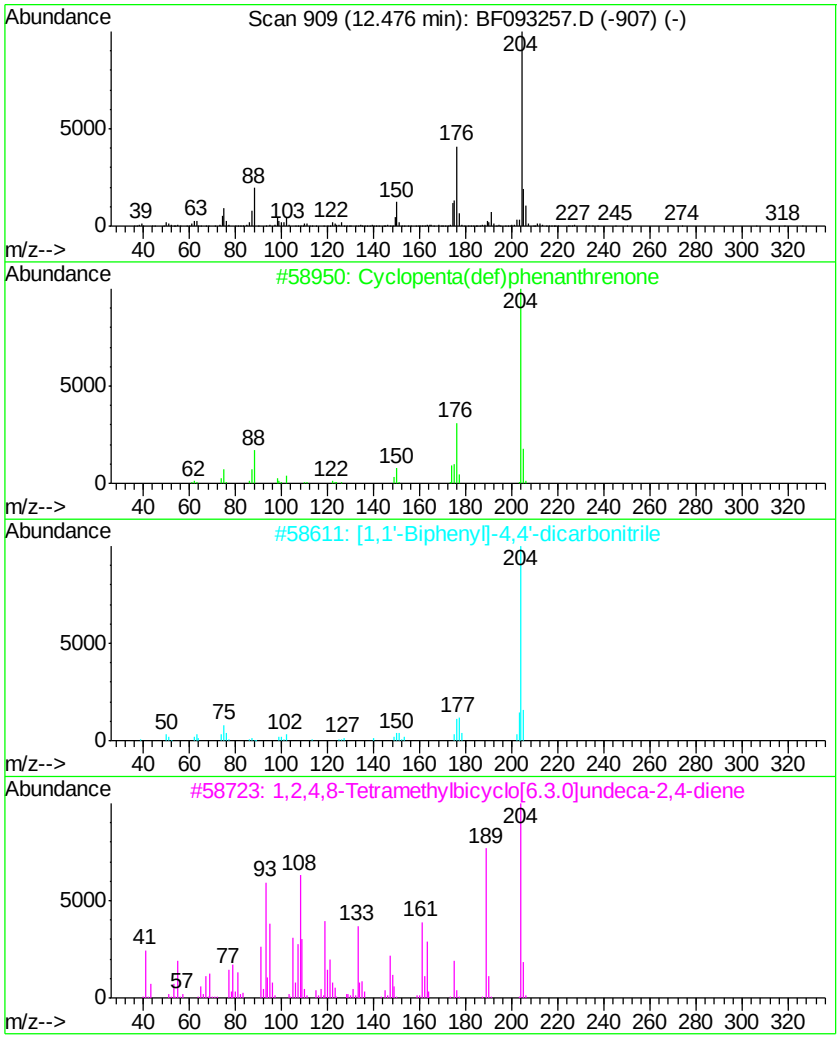
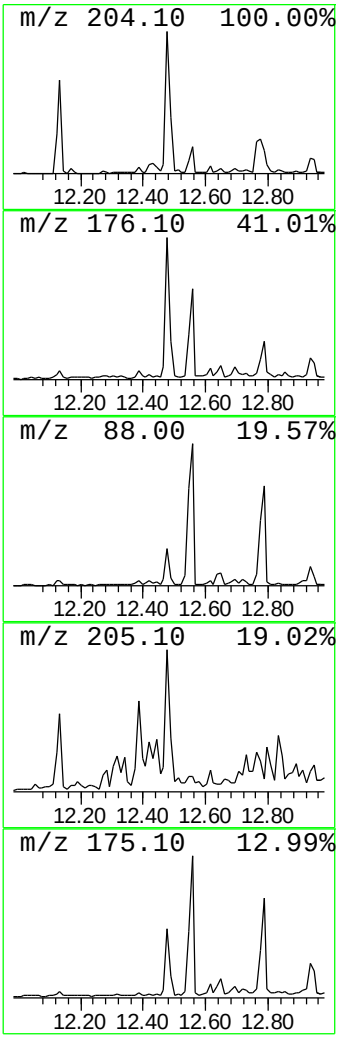
Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.48	10.60 ng	490856	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	52
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38
5	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	38





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Instrument : BNA_F
ClientSampleId : TK3-7-20170227

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
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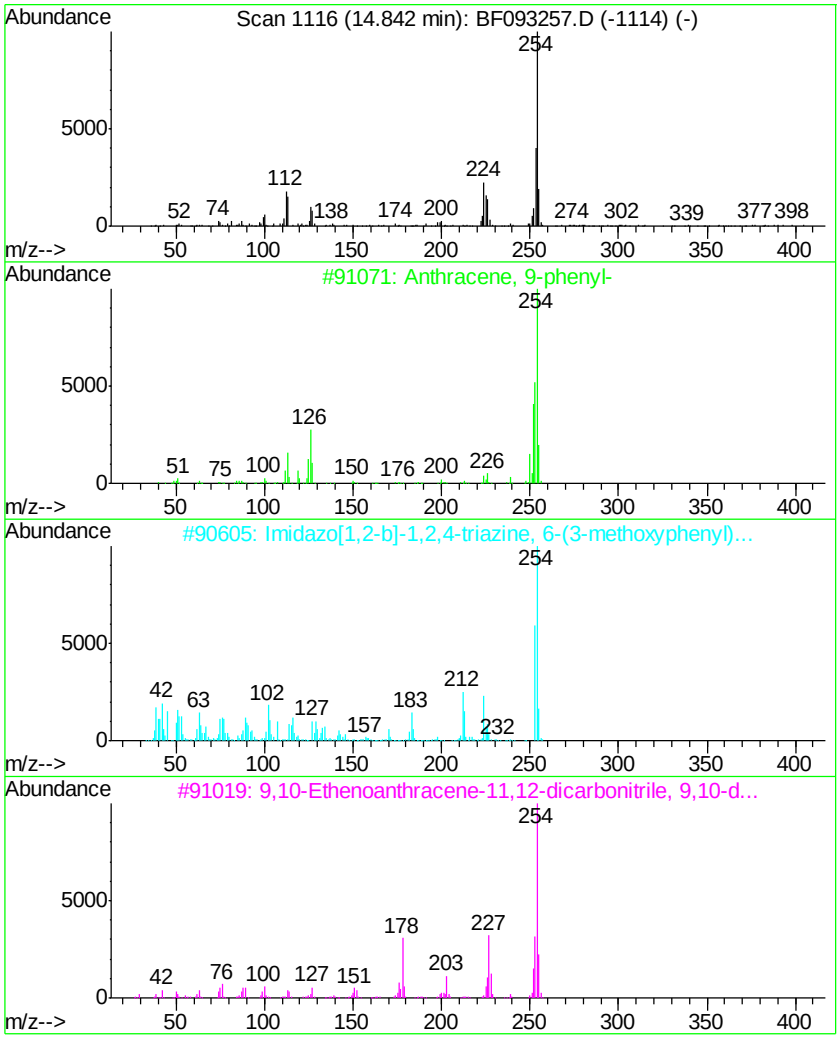
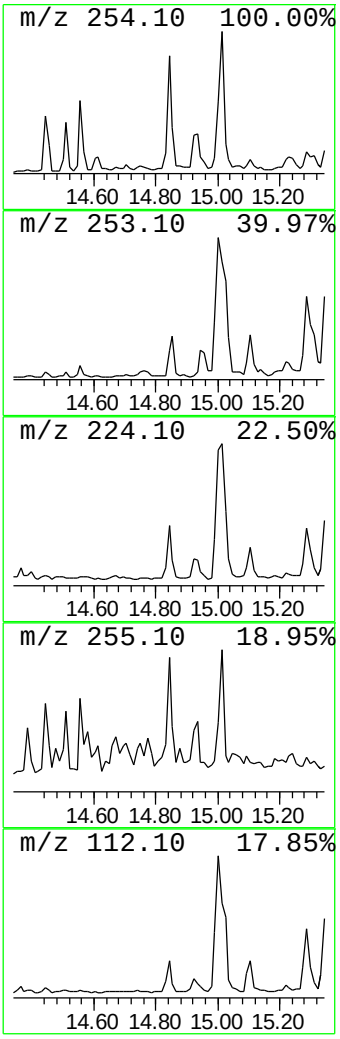
Peak Number 17 Anthracene, 9-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.84	8.13 ng	220871	Perylene-d12	15.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	68
2	Imidazo[1,2-b]-1,2,4-triazine, 6...	254	C14H14N4O	1000277-24-4	53
3	9,10-Ethenoanthracene-11,12-dica...	254	C18H10N2	019067-49-3	53
4	Benzenamine, 4,4'-methylenebis[N...	254	C17H22N2	000101-61-1	50
5	2,2'-Binaphthalene	254	C20H14	000612-78-2	43





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Sample : I2017-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TK3-7-20170227

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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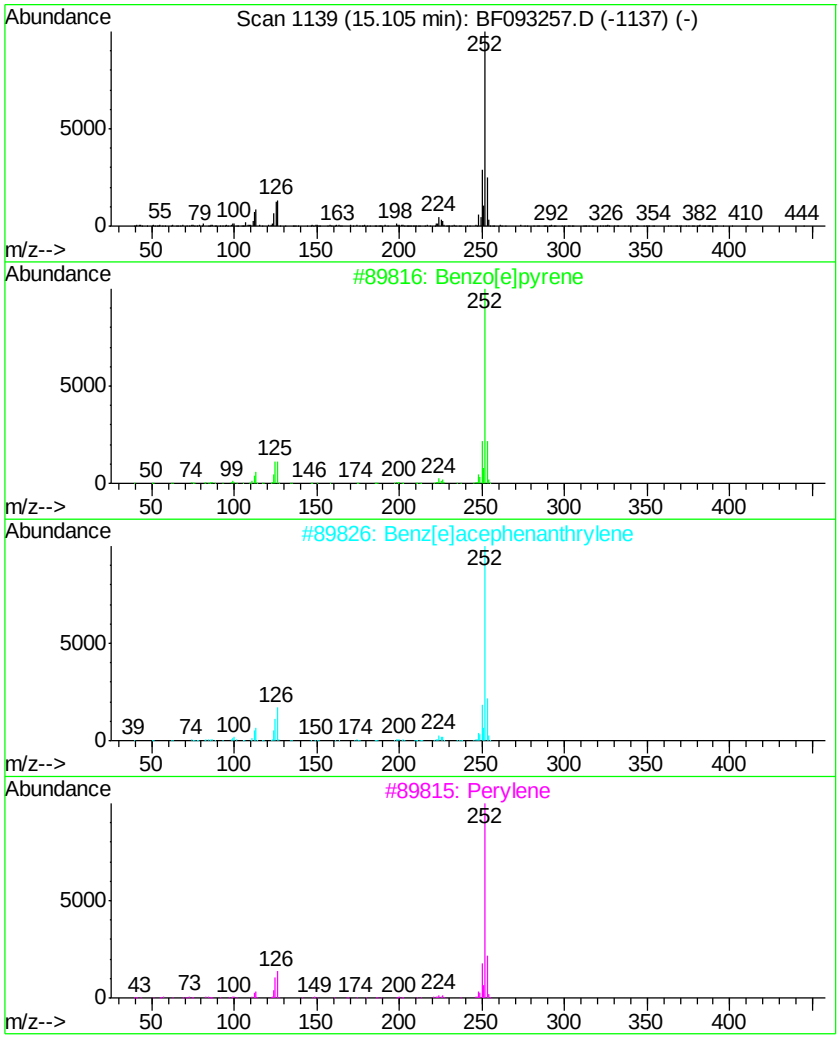
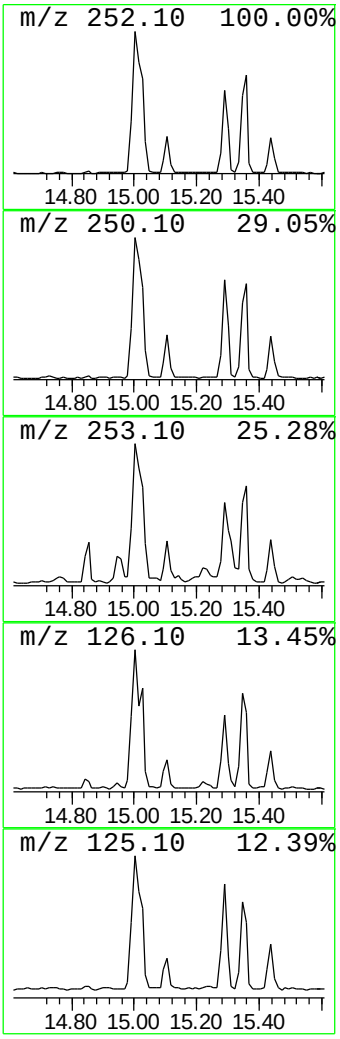
Peak Number 18 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.11	15.08 ng	409528	Perylene-d12	15.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	98
3	Perylene	252	C20H12	000198-55-0	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93





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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TK3-7-20170227

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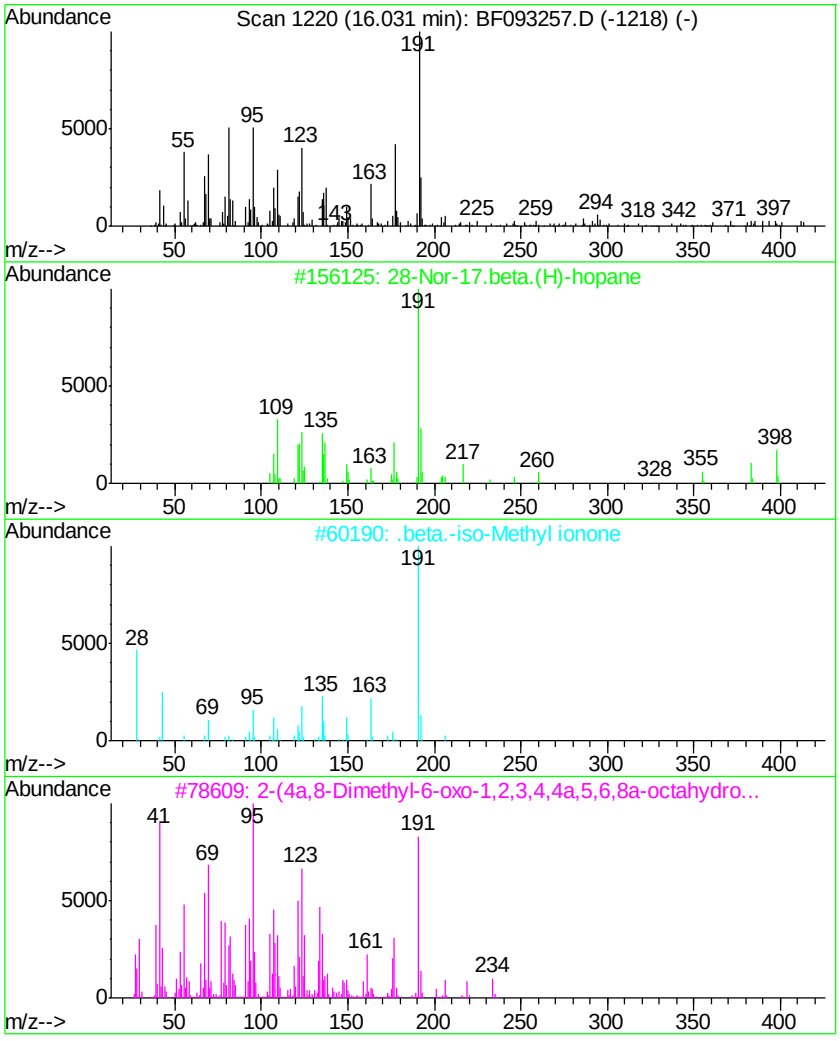
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

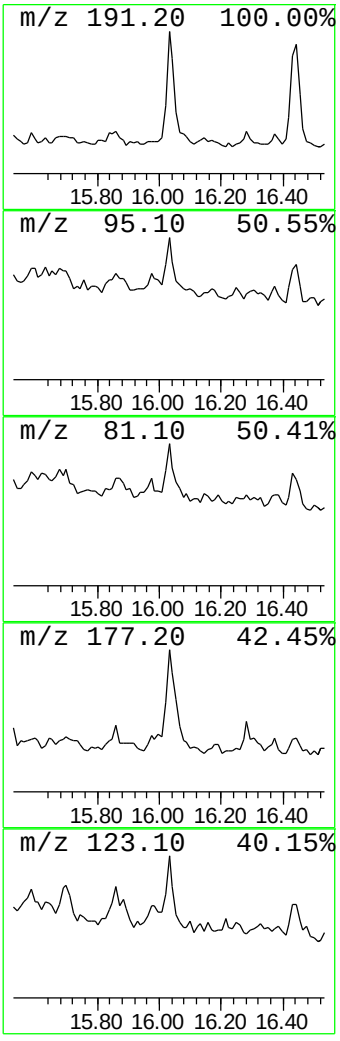
****

Peak Number 20 28-Nor-17.beta.(H)-hopane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.03	16.09 ng	437093	Perylene-d12	15.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	28-Nor-17.beta.(H)-hopane	398	C29H50	036728-72-0	64
2	.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	49
3	2-(4a,8-Dimethyl-6-oxo-1,2,3,4,4...	234	C15H22O2	1000190-21-8	40
4	1-Penten-3-one, 1-(2,6,6-trimeth...	206	C14H22O	000127-43-5	30
5	1,4-Benzenediol, 2-[(1,4,4a,5,6,...	314	C21H30O2	039707-55-6	25





Tentatively Identified Compound (LSC) summary

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Data File : BF093257.D
Acq On : 28 Feb 2017 19:15
Operator : SJ/MA
Sample : I2017-10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TK3-7-20170227

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	30.5	ng	1298740	1	6.81	852092	20.0
unknown6.59	6.59	78.0	ng	3322630	1	6.81	852092	20.0
unknown10.76	10.76	4.8	ng	220969	4	11.33	925818	20.0
9H-Fluoren-9-one	11.14	7.3	ng	338141	4	11.33	925818	20.0
Dibenzothiophene	11.23	5.1	ng	236132	4	11.33	925818	20.0
Phenanthrene, 2-m...	11.84	9.8	ng	453047	4	11.33	925818	20.0
4H-Cyclopenta[def...	11.95	20.1	ng	932861	4	11.33	925818	20.0
1-Methylcarbazole	12.02	4.6	ng	212311	4	11.33	925818	20.0
Naphthalene, 2-ph...	12.13	6.3	ng	291664	4	11.33	925818	20.0
9,10-Anthracenedione	12.17	11.7	ng	539306	4	11.33	925818	20.0
Phenanthrene, 2,5...	12.39	7.1	ng	329205	4	11.33	925818	20.0
1,8-Naphthalic an...	12.42	6.8	ng	316331	4	11.33	925818	20.0
Cyclopenta(def)ph...	12.48	10.6	ng	490856	4	11.33	925818	20.0
Anthracene, 9-phe...	14.84	8.1	ng	220871	6	15.41	543222	20.0
Benzo[e]pyrene	15.11	15.1	ng	409528	6	15.41	543222	20.0
28-Nor-17.beta.(H...	16.03	16.1	ng	437093	6	15.41	543222	20.0