LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030117\
Data File : BF093298.D
Acq On : 1 Mar 2017 19:19
Operator : SJ/MA
Sample : I2003-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HY-SB421B

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	3.138	90	92	100	rBV	12826	66305	1.96%	0.139%
2	4.956	249	251	261	rBV	856473	1238768	36.56%	2.592%
3	5.402	288	290	293	rBV	3121998	3191141	94.17%	6.676%
4	6.053	345	347	349	rVB	112319	118271	3.49%	0.247%
5	6.453	380	382	385	rBV	2876644	3094374	91.32%	6.474%
6	6.579	390	393	395	rBV	3398537	3388530	100.00%	7.089%
7	6.807	411	413	415	rBV	780389	769841	22.72%	1.611%
8	6.956	424	426	429	rBV	1909291	2454556	72.44%	5.135%
9	7.379	460	463	465	rBV	2002979	2217660	65.45%	4.640%
10	8.088	523	525	537	rVB	1213344	1261608	37.23%	2.640%
11	8.899	594	596	599	rBV	53071	64696	1.91%	0.135%
12	9.105	612	614	617	rBV	37211	41522	1.23%	0.087%
13	9.162	617	619	622	rBV	3063358	3354855	99.01%	7.019%
14	9.436	640	643	645	rBV	28101	37970	1.12%	0.079%
15	9.505	645	649	652	rBV	55128	119593	3.53%	0.250%
16	9.562	652	654	656	rVB	870705	718536	21.20%	1.503%
17	9.836	676	678	680	rBV	999561	1226213	36.19%	2.565%
18	9.871	680	681	684	rVB	137795	121738	3.59%	0.255%
19	10.042	693	696	698	rBV2	40541	68151	2.01%	0.143%
20	10.088	698	700	702	rVB2	38202	47471	1.40%	0.099%
21	10.248	712	714	715	rBV	27939	48069	1.42%	0.101%
22	10.271	715	716	717	rVB	82531	57459	1.70%	0.120%
23	10.385	724	726	729	rBV	84163	102694	3.03%	0.215%
24	10.454	729	732	733	rBV	39454	50950	1.50%	0.107%
25	10.488	733	735	737	rVB2	59031	79615	2.35%	0.167%
26	10.545	738	740	742	rVB2	39115	46684	1.38%	0.098%
27	10.636	745	748	750	rBV	1969897	2074530	61.22%	4.340%
28	10.751	756	758	762	rVB	129611	222776	6.57%	0.466%
29	10.934	770	774	776	rBV3	43775	77700	2.29%	0.163%
30	11.082	783	787	790	rBV4	33566	83222	2.46%	0.174%
31	11.185	793	796	798	rBV2	129669	172590	5.09%	0.361%
32	11.219	798	799	802	rVB	117487	121430	3.58%	0.254%
33	11.322	806	808	813	rBV2	883841	2199210	64.90%	4.601%
34	11.402	813	815	817	rVV	188109	179566	5.30%	0.376%

LSC Area Percent Report

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Acq On : 1 Mar 2017 19:19
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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HY-SB421B

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	11.448	817	819	821	rVB3	25818	43398	1.28%	0.091%
36	11.562	826	829	832	rBV2	66453	127440	3.76%	0.267%
37	11.619	832	834	835	rBV	70247	63018	1.86%	0.132%
38	11.825	850	852	854	rBV	117800	160609	4.74%	0.336%
39	11.859	854	855	857	rVV	218511	182285	5.38%	0.381%
40	11.905	857	859	860	rVV	93619	92605	2.73%	0.194%
41	11.939	860	862	867	rVB2	225600	341116	10.07%	0.714%
42	12.019	867	869	872	rVB3	29425	46599	1.38%	0.097%
43	12.122	877	878	880	rVB	110350	92535	2.73%	0.194%
44	12.271	889	891	893	rBV2	58887	66387	1.96%	0.139%
45	12.385	898	901	902	rBV	64003	97601	2.88%	0.204%
46	12.419	902	904	907	rVB	55167	79417	2.34%	0.166%
47	12.465	907	908	912	rVB2	38489	57647	1.70%	0.121%
48	12.545	912	915	916	rBV	1335890	1289464	38.05%	2.698%
49	12.579	916	918	920	rVB2	133275	126002	3.72%	0.264%
50	12.694	925	928	929	rBV2	66851	75100	2.22%	0.157%
51	12.774	932	935	937	rBV	1136315	1366053	40.31%	2.858%
52	12.819	937	939	943	rVB3	87634	138064	4.07%	0.289%
53	12.911	943	947	950	rBV	2668768	3244416	95.75%	6.788%
54	12.991	951	954	956	rVB2	98357	164732	4.86%	0.345%
55	13.048	956	959	960	rBV2	45944	54301	1.60%	0.114%
56	13.094	960	963	965	rVB	229608	403546	11.91%	0.844%
57	13.139	965	967	968	rBV	30642	38102	1.12%	0.080%
58	13.162	968	969	971	rBV	155715	154564	4.56%	0.323%
59	13.208	971	973	976	rVB	116297	170138	5.02%	0.356%
60	13.300	979	981	982	rBV2	127798	155293	4.58%	0.325%
61	13.322	982	983	988	rVB2	115764	165095	4.87%	0.345%
62	13.391	988	989	992	rVB2	29458	37494	1.11%	0.078%
63	13.528	995	1001	1004	rVB4	48018	170888	5.04%	0.358%
64	13.585	1004	1006	1007	rBV	41391	61157	1.80%	0.128%
65	13.620	1007	1009	1010	rVB2	34797	44812	1.32%	0.094%
66	13.722	1014	1018	1019	rBV	81265	119689	3.53%	0.250%
67	13.745	1019	1020	1021	rVB	106138	72811	2.15%	0.152%
68	13.768	1021	1022	1024	rBV	49328	88789	2.62%	0.186%
69	13.814	1024	1026	1030	rVB3	183990	305437	9.01%	0.639%
70	13.882	1030	1032	1035	rVB	25117	46975	1.39%	0.098%
71	13.962	1035	1039	1044	rBV2	1098433	2529227	74.64%	5.292%

LSC Area Percent Report

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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HY-SB421B

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	14.077	1046	1049	1051	rBV	104440	143261	4.23%	0.300%
73	14.122	1051	1053	1056	rBV3	40244	80888	2.39%	0.169%
74	14.202	1058	1060	1066	rVB2	85758	130231	3.84%	0.272%
75	14.317	1069	1070	1071	rBV	47804	45631	1.35%	0.095%
76	14.351	1071	1073	1075	rBV	93790	140698	4.15%	0.294%
77	14.385	1075	1076	1078	rVB	47905	52030	1.54%	0.109%
78	14.454	1078	1082	1083	rBV4	63537	133563	3.94%	0.279%
79	14.500	1083	1086	1088	rVB2	68509	115215	3.40%	0.241%
80	14.671	1099	1101	1105	rBV3	34445	93072	2.75%	0.195%
81	14.842	1114	1116	1119	rBV	59629	77410	2.28%	0.162%
82	14.991	1126	1129	1136	rBV	512494	1047720	30.92%	2.192%
83	15.094	1136	1138	1140	rVV	105584	123495	3.64%	0.258%
84	15.174	1143	1145	1147	rBV3	38130	72861	2.15%	0.152%
85	15.220	1147	1149	1151	rVV2	42494	69776	2.06%	0.146%
86	15.277	1151	1154	1157	rVB	299929	423605	12.50%	0.886%
87	15.334	1157	1159	1162	rBV	493877	570982	16.85%	1.195%
88	15.391	1162	1164	1171	rBV2	671473	1000177	29.52%	2.093%
89	15.563	1176	1179	1180	rBV	31740	53690	1.58%	0.112%
90	15.803	1197	1200	1203	rBV2	40975	87680	2.59%	0.183%
91	15.928	1208	1211	1216	rVB	34871	77493	2.29%	0.162%
92	16.260	1238	1240	1244	rVB3	30845	55451	1.64%	0.116%
93	16.591	1266	1269	1271	rBV2	36266	76951	2.27%	0.161%
94	16.786	1282	1286	1290	rBV	230207	463272	13.67%	0.969%
95	16.946	1296	1300	1302	rBV	64601	135464	4.00%	0.283%
96	17.003	1302	1305	1307	rVB2	35774	77056	2.27%	0.161%
97	17.197	1319	1322	1328	rBV	173131	388209	11.46%	0.812%
98	17.437	1339	1343	1348	rVB2	87587	232872	6.87%	0.487%
99	19.334	1505	1509	1516	rVB	55697	176028	5.19%	0.368%
100	19.517	1522	1525	1527	rBV2	24700	60935	1.80%	0.127%

Sum of corrected areas: 47796816

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030117\
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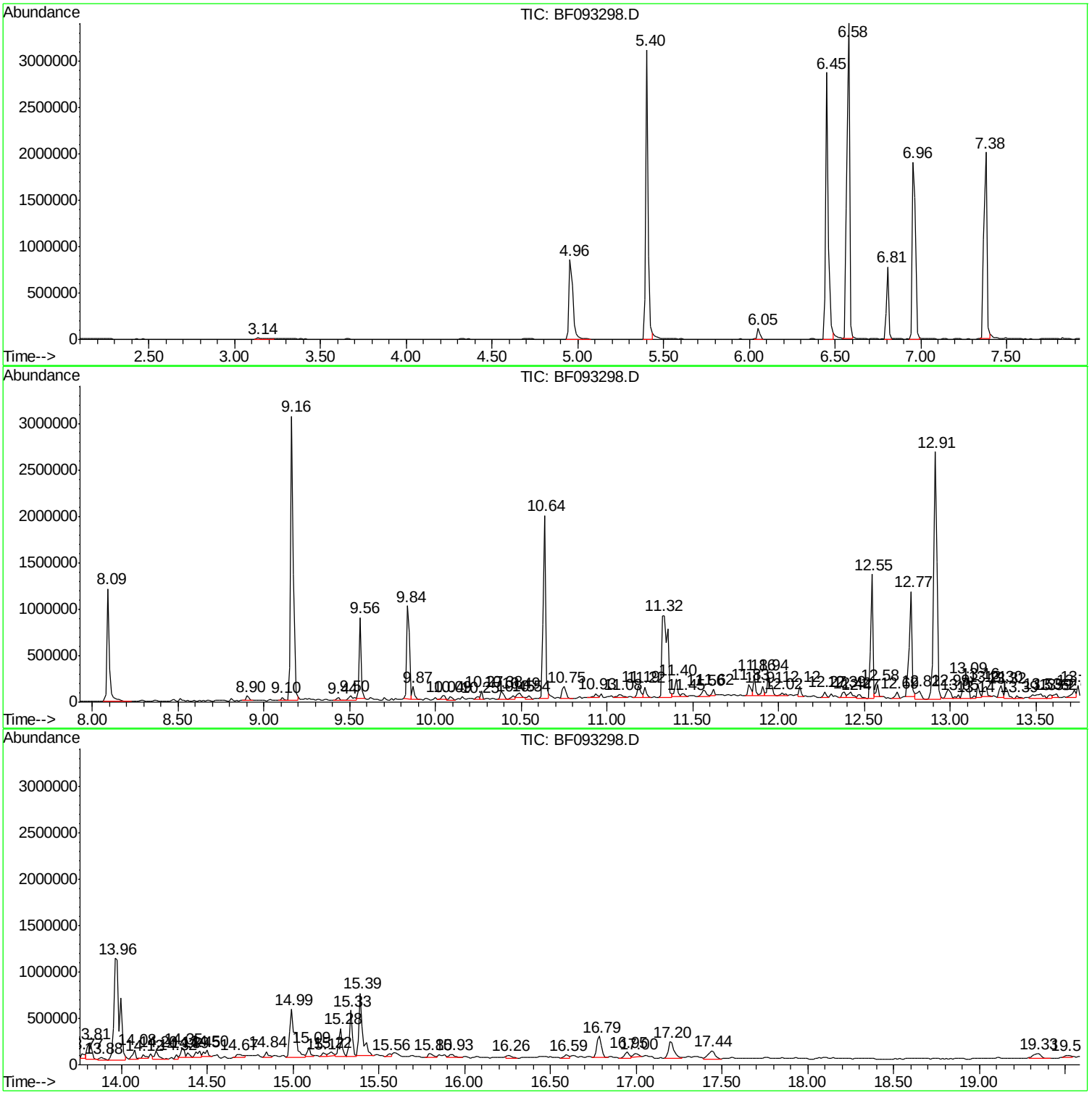
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HY-SB421B

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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Sample : I2003-02
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Instrument : BNA_F
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

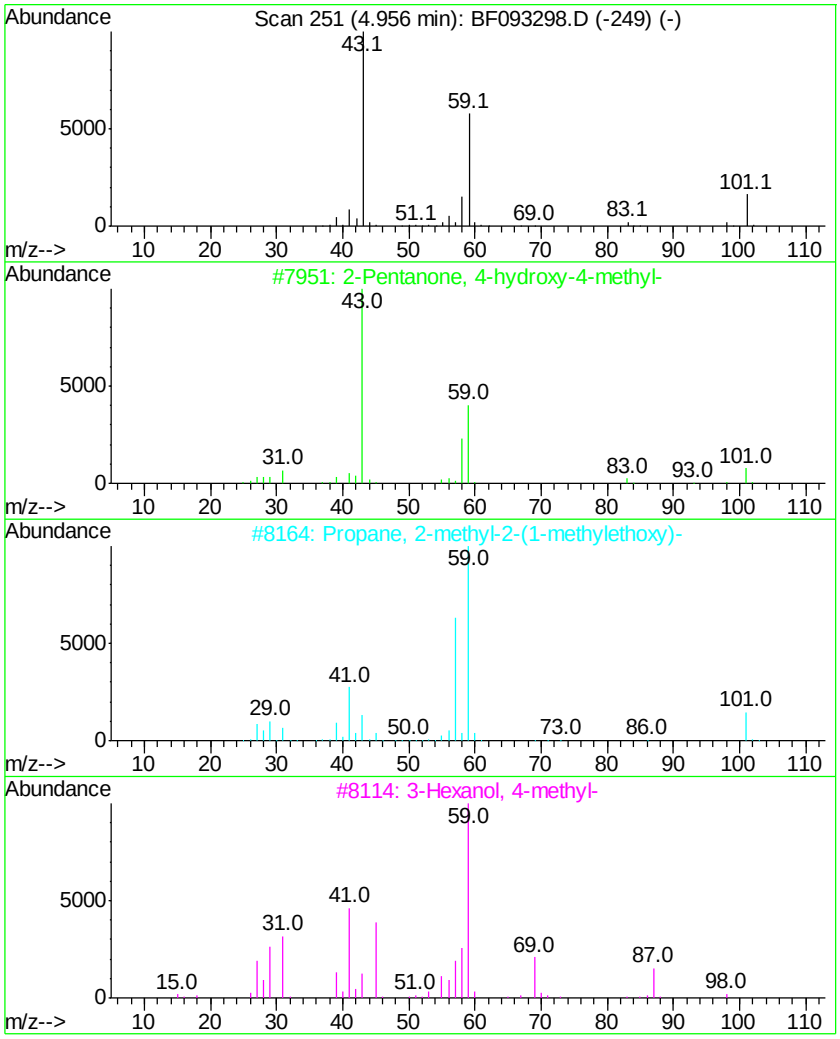
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

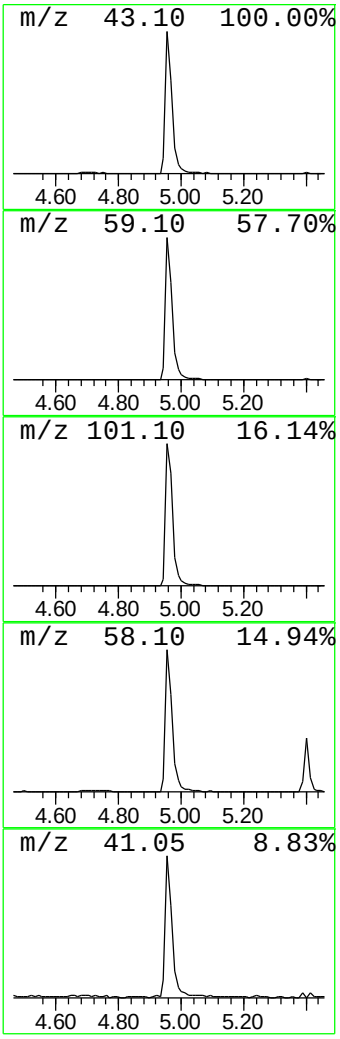
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.96	32.18 ng	1238770	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	50
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	36
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030117\
Data File : BF093298.D
Acq On : 1 Mar 2017 19:19
Operator : SJ/MA
Sample : I2003-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HY-SB421B

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

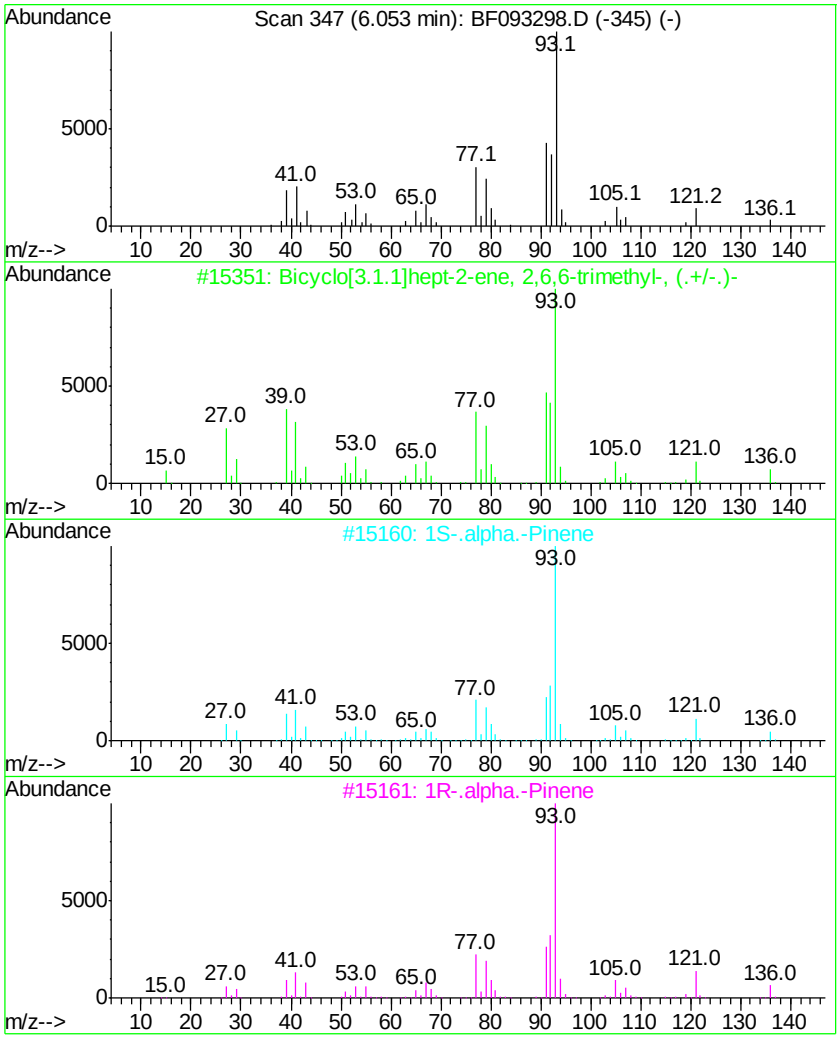
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

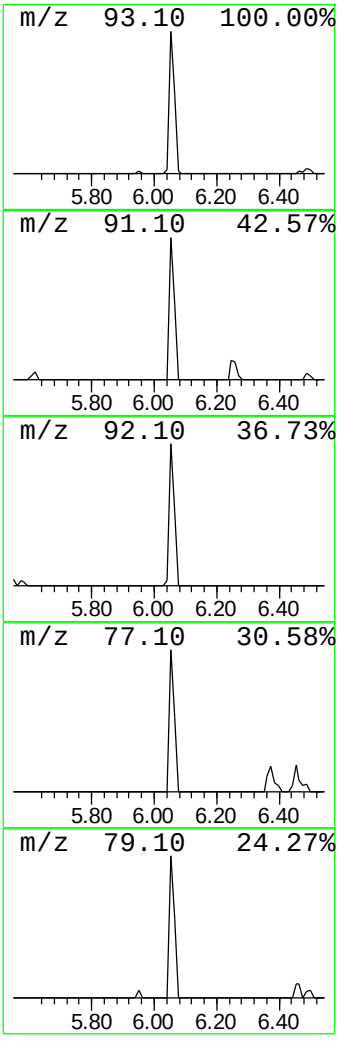
****

Peak Number 2 Bicyclo[3.1.1]hept-2-ene, 2... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.05	3.07 ng	118271	1,4-Dichlorobenzene-d4	6.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.1.1]hept-2-ene, 2,6,6-...	136	C10H16	002437-95-8	94
2	1S-.alpha.-Pinene	136	C10H16	007785-26-4	91
3	1R-.alpha.-Pinene	136	C10H16	007785-70-8	91
4	Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	90
5	.alpha.-Pinene	136	C10H16	000080-56-8	83





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Instrument : BNA_F
ClientSampleId : HY-SB421B

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
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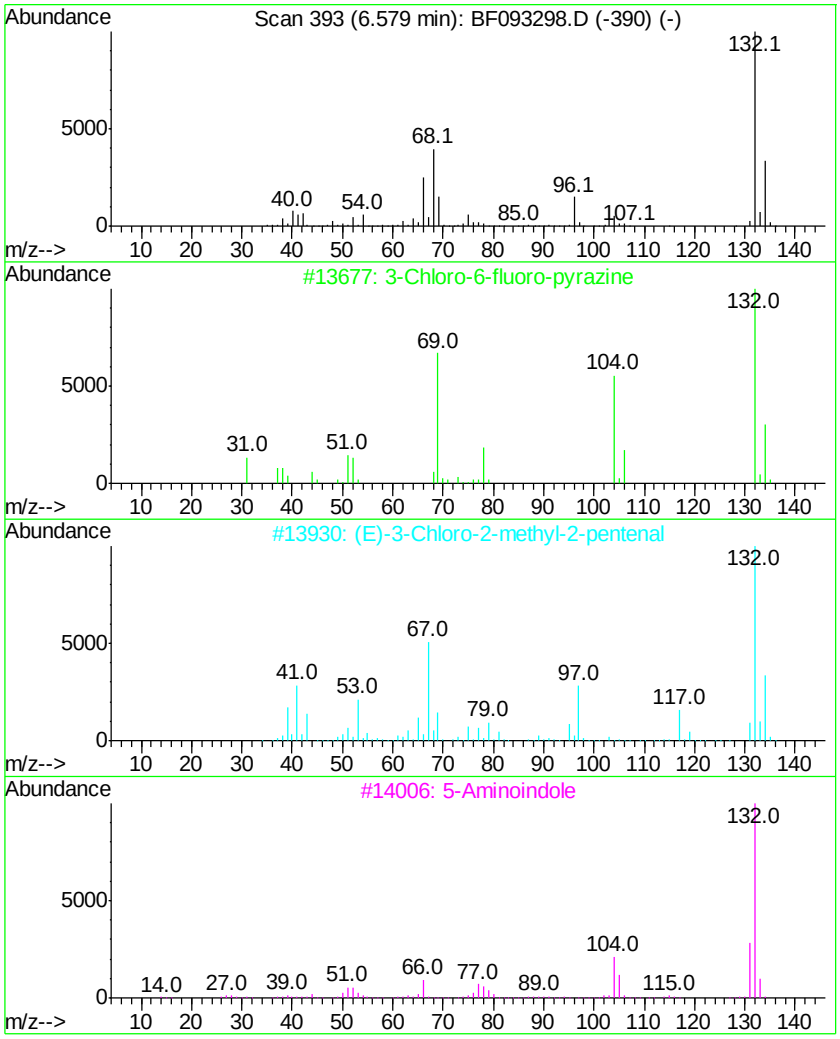
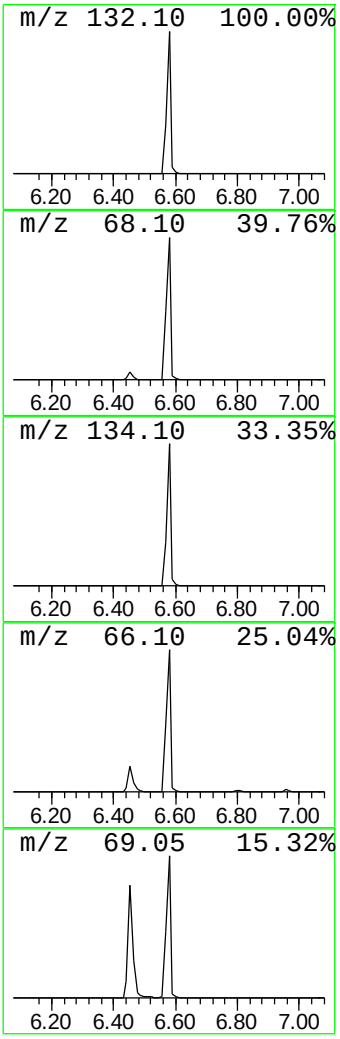
****

Peak Number 3 unknown6.58 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.58	88.03 ng	3388530	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	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9





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Instrument : BNA_F
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

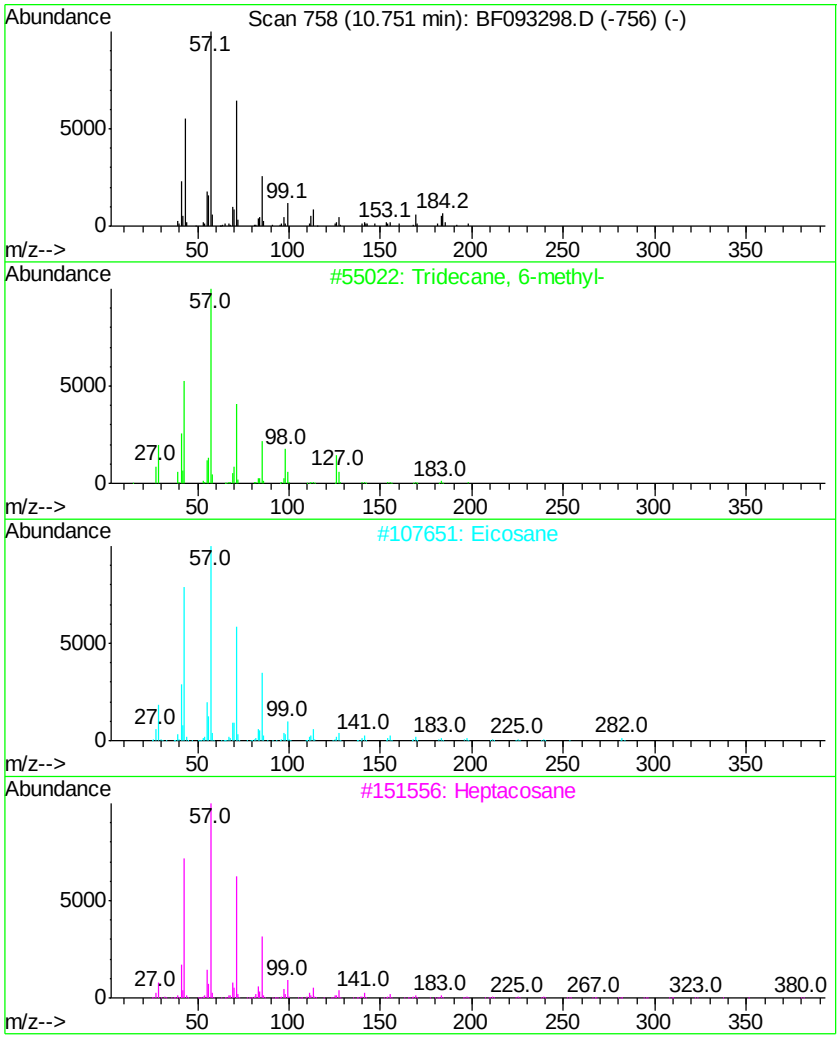
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

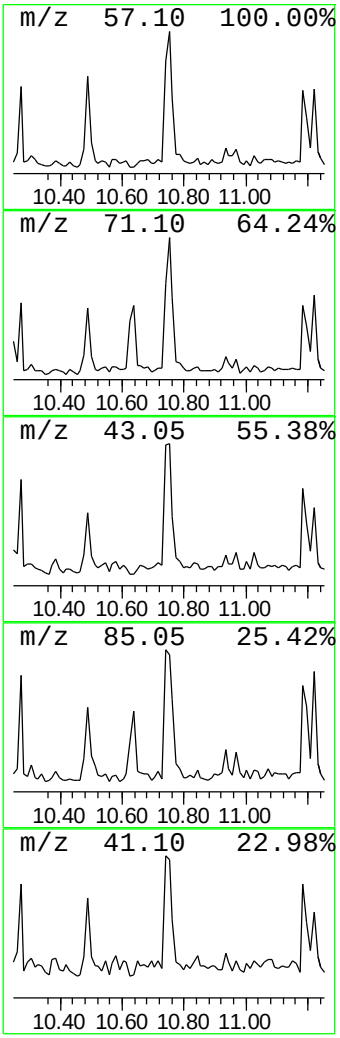
****

Peak Number 5 Tridecane, 6-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.75	2.03 ng	222776	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 6-methyl-	198	C14H30	013287-21-3	81
2	Eicosane	282	C20H42	000112-95-8	80
3	Heptacosane	380	C27H56	000593-49-7	80
4	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	64
5	Tridecane, 4-methyl-	198	C14H30	026730-12-1	59





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Operator : SJ/MA
Sample : I2003-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HY-SB421B

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

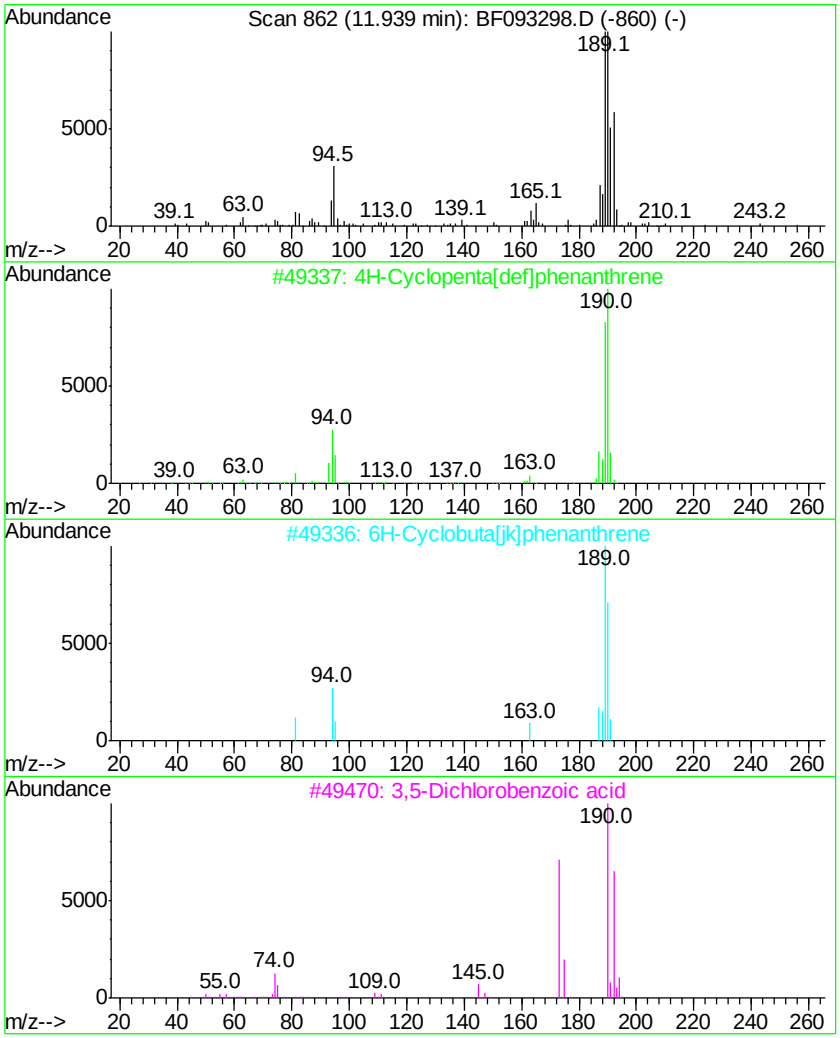
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

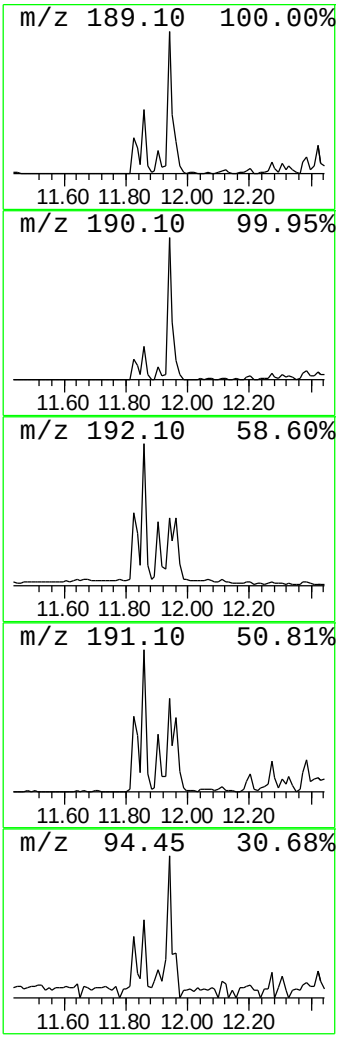
****

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	3.10 ng	341116	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	40
3	3,5-Dichlorobenzoic acid	190	C7H4Cl2O2	000051-36-5	22
4	8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	20
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	18





Data Path : Z:\HPCHEM1\BNA F\DATA\BF030117\
Data File : BF093298.D
Acq On : 1 Mar 2017 19:19
Operator : SJ/MA
Sample : I2003-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HY-SB421B

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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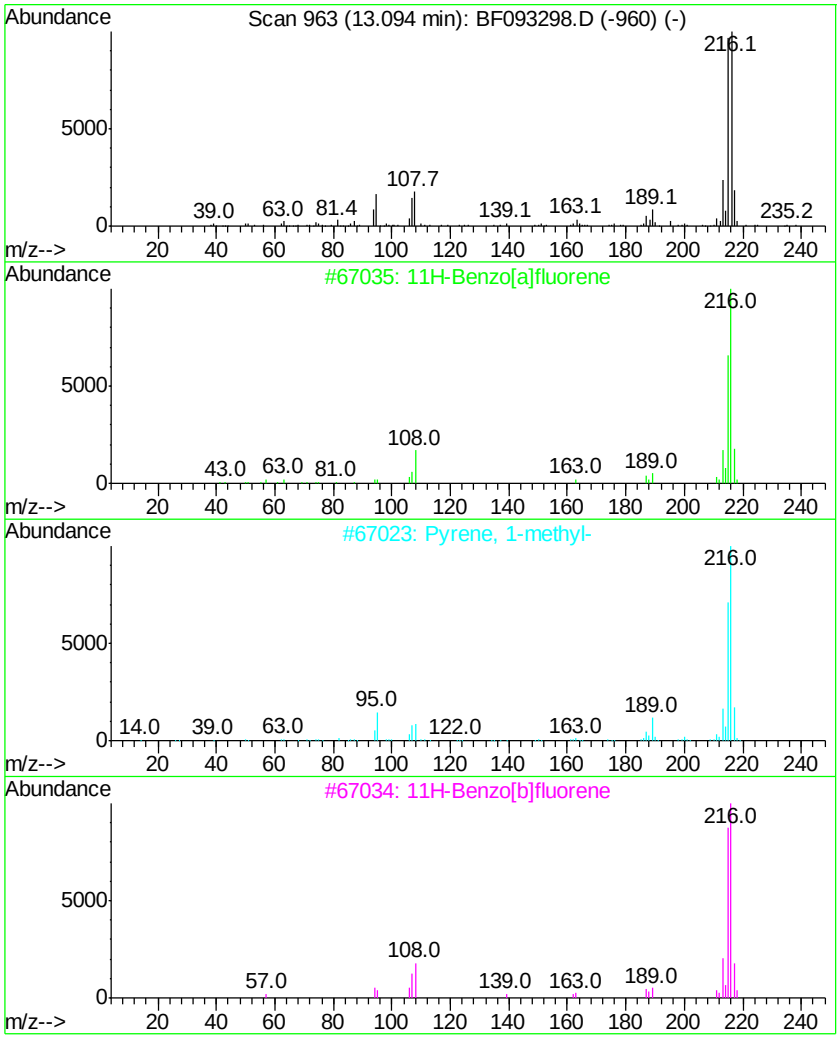
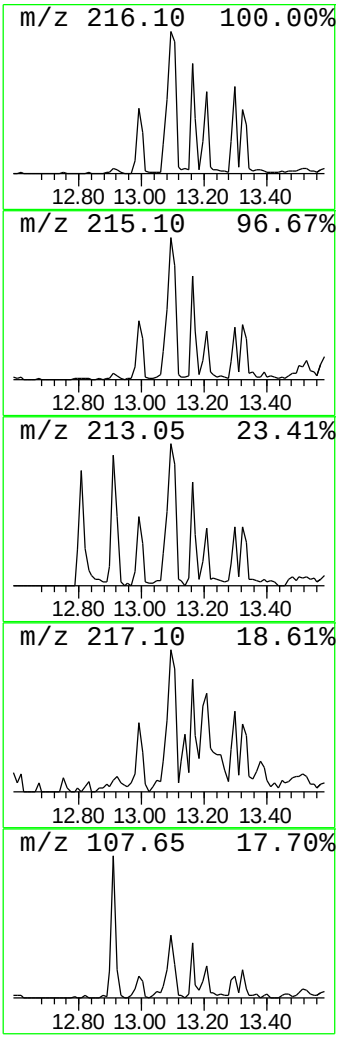
Peak Number 7 11H-Benzo[a]fluorene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.09	3.19 ng	403546	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





Data Path : Z:\HPCHEM1\BNA F\DATA\BF030117\
Data File : BF093298.D
Acq On : 1 Mar 2017 19:19
Operator : SJ/MA
Sample : I2003-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HY-SB421B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
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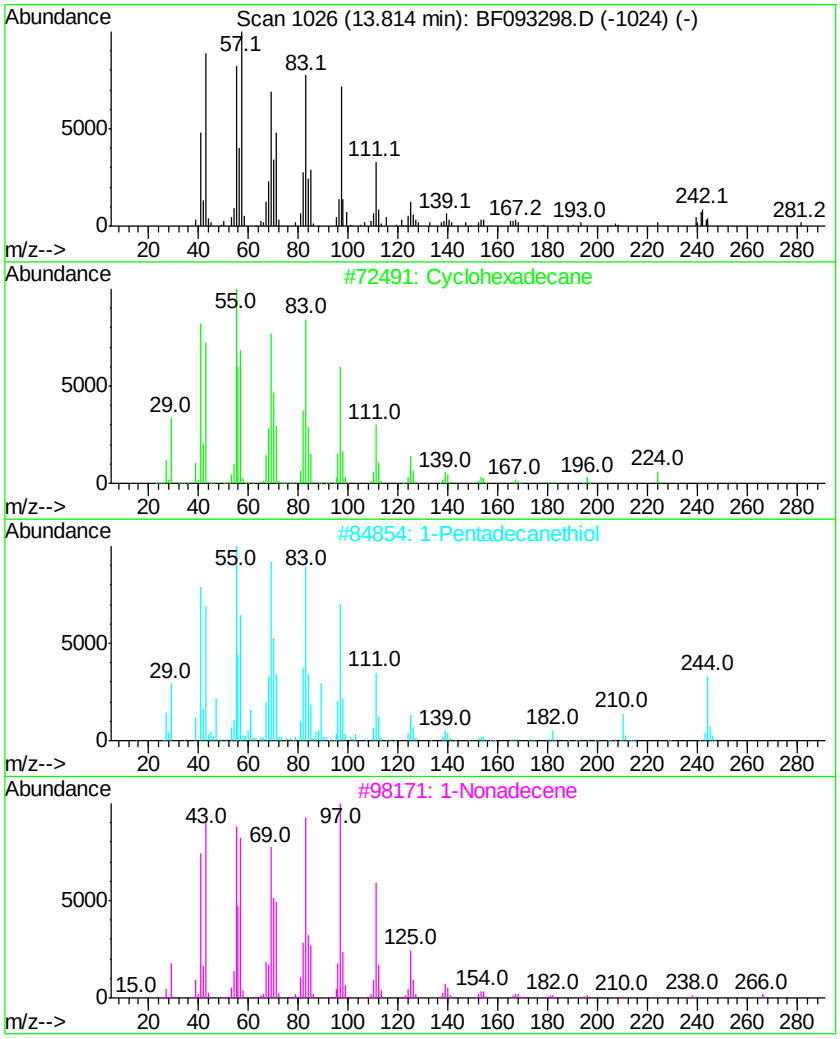
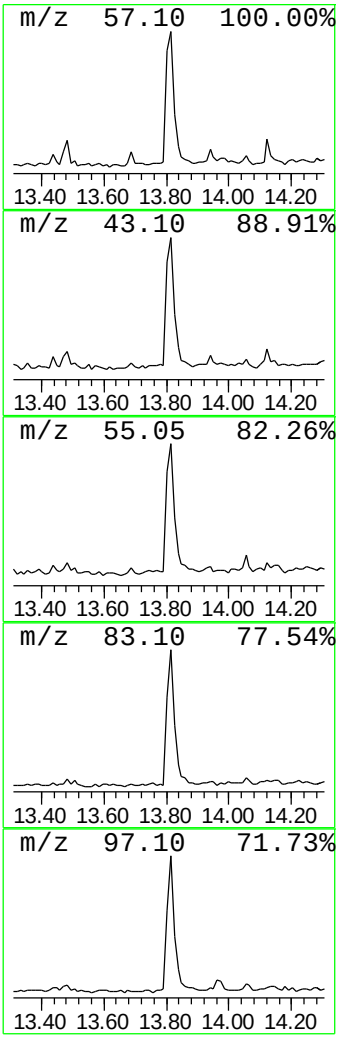
Peak Number 8 Cyclohexadecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.81	2.42 ng	305437	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	97
2	1-Pentadecanethiol	244	C15H32S	025276-70-4	93
3	1-Nonadecene	266	C19H38	018435-45-5	91
4	Trichloroacetic acid, tetradecyl...	358	C16H29Cl3O2	074339-52-9	91
5	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	91





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Acq On : 1 Mar 2017 19:19
Operator : SJ/MA
Sample : I2003-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HY-SB421B

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
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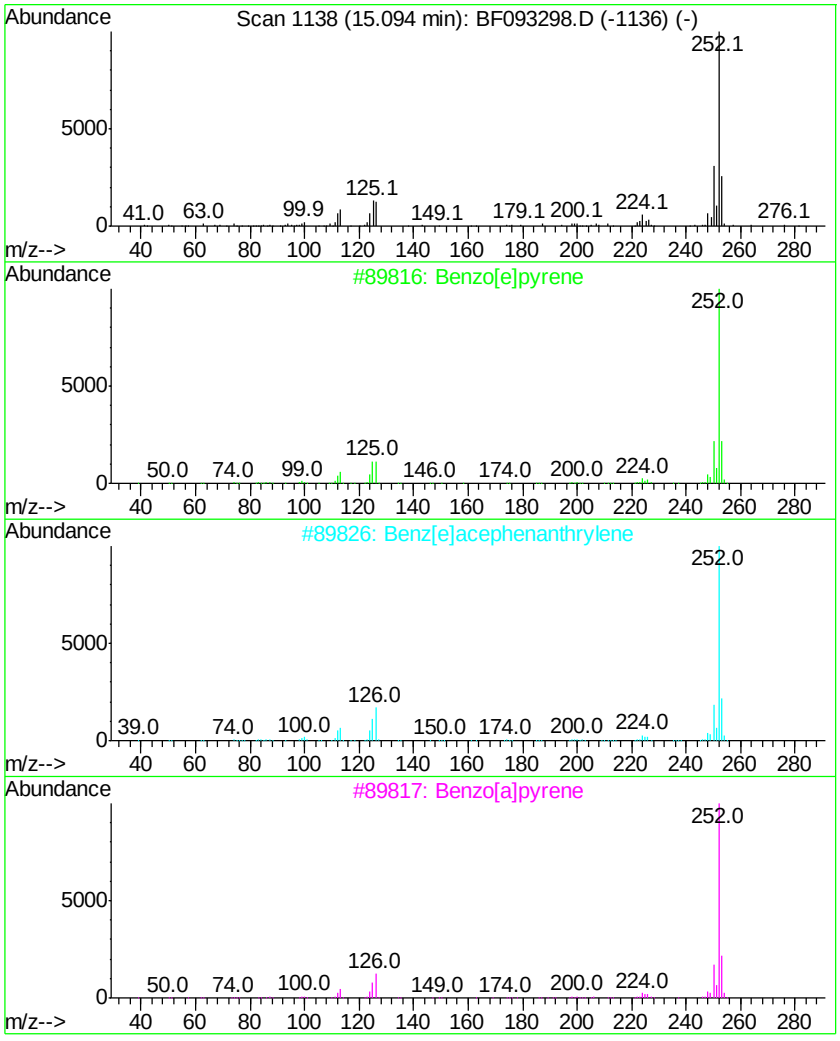
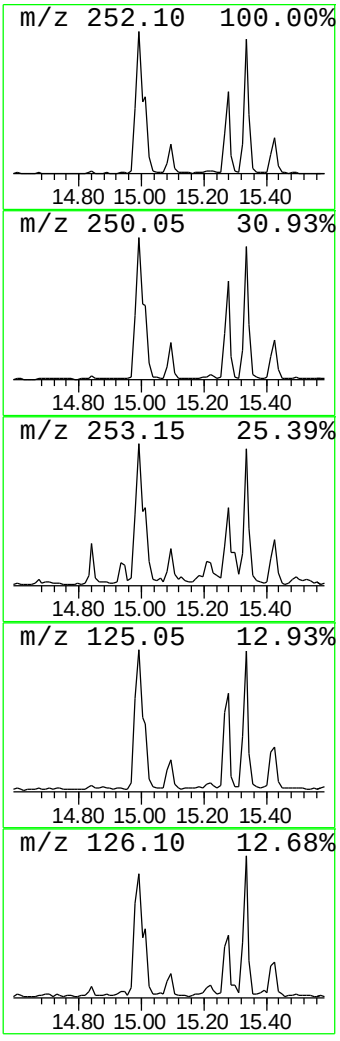
Peak Number 9 Benzo[e]pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.09	2.47 ng	123495	Perylene-d12	15.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	95
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	91
3	Benzo[a]pyrene	252	C20H12	000050-32-8	91
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89
5	Perylene	252	C20H12	000198-55-0	76





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Sample : I2003-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HY-SB421B

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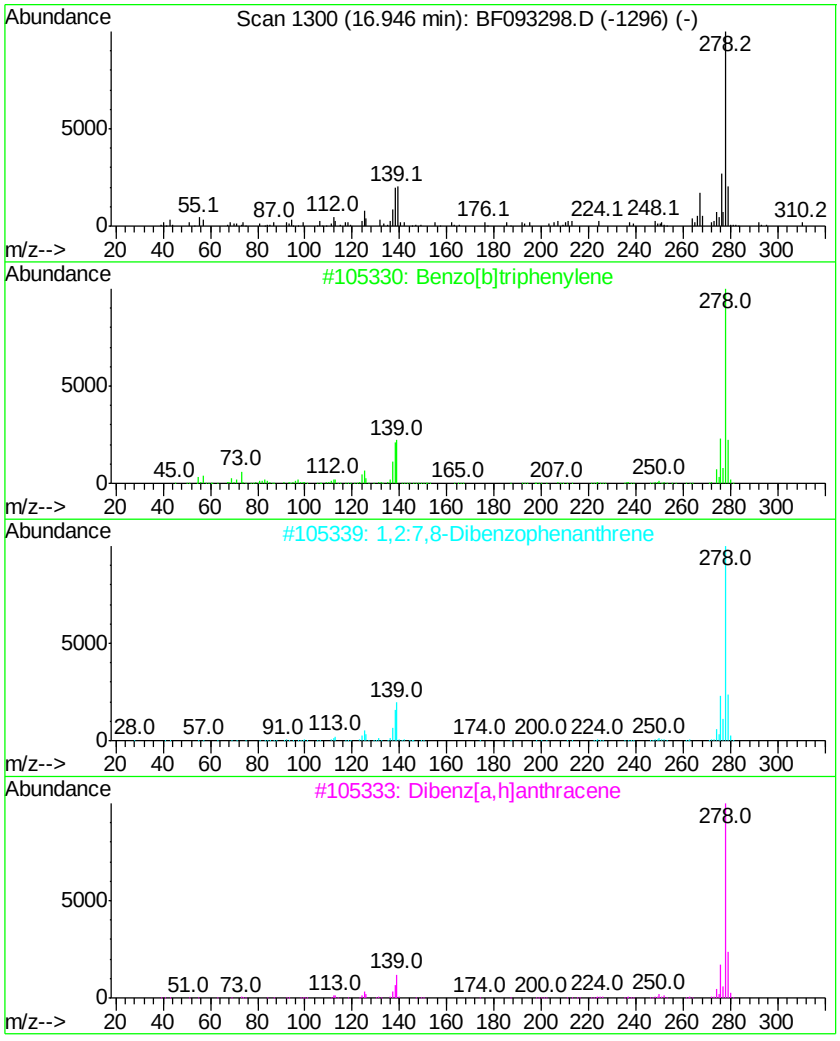
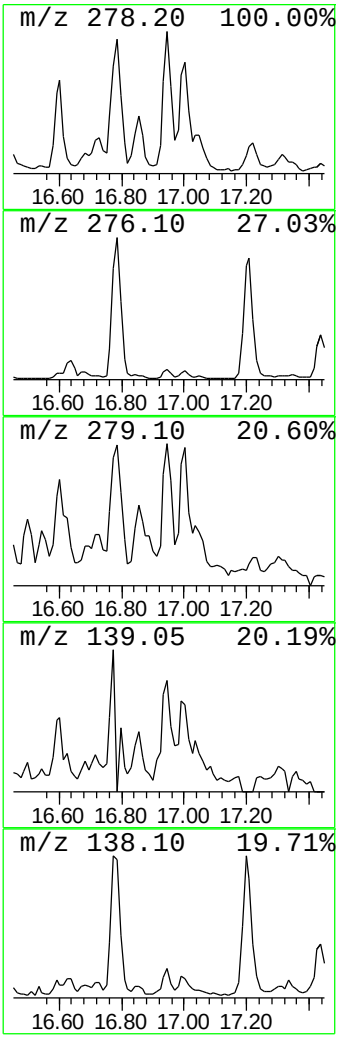
Peak Number 11 Benzo[b]triphenylene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.95	2.71 ng	135464	Perylene-d12	15.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	89
2	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	89
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	89
4	Benzo[a]naphthacene	278	C22H14	000226-88-0	76
5	Pentaphene	278	C22H14	000222-93-5	70





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Sample : I2003-02
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ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HY-SB421B

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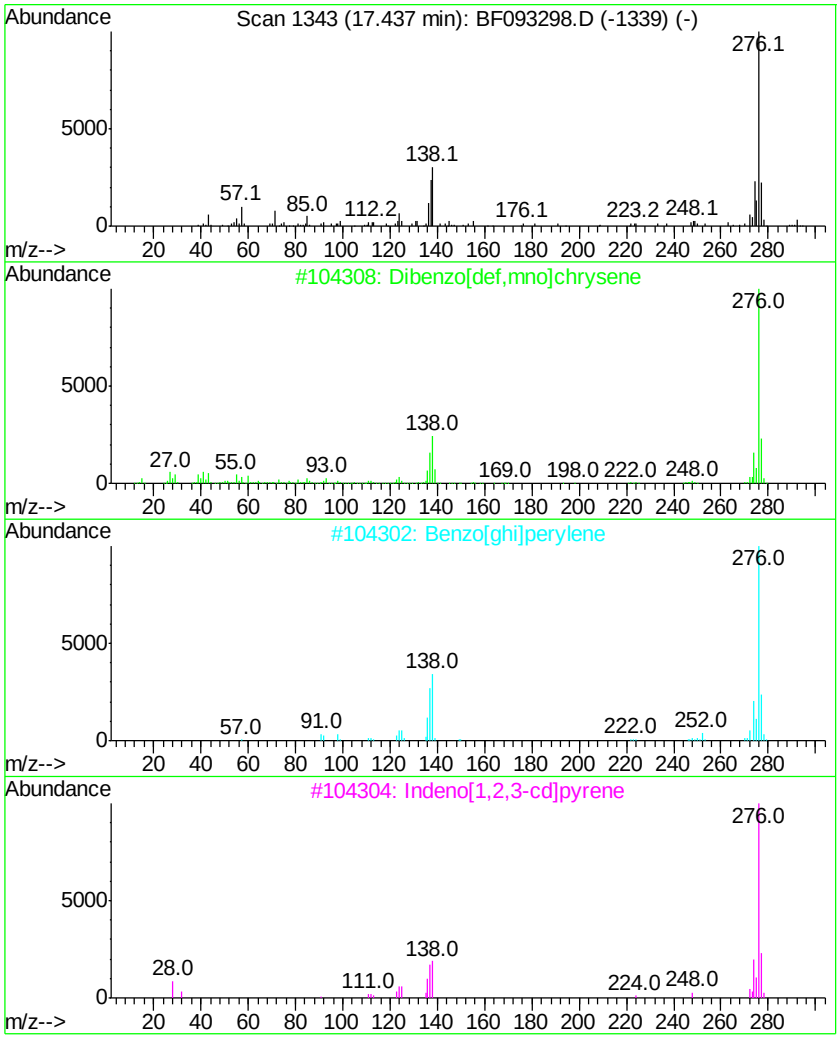
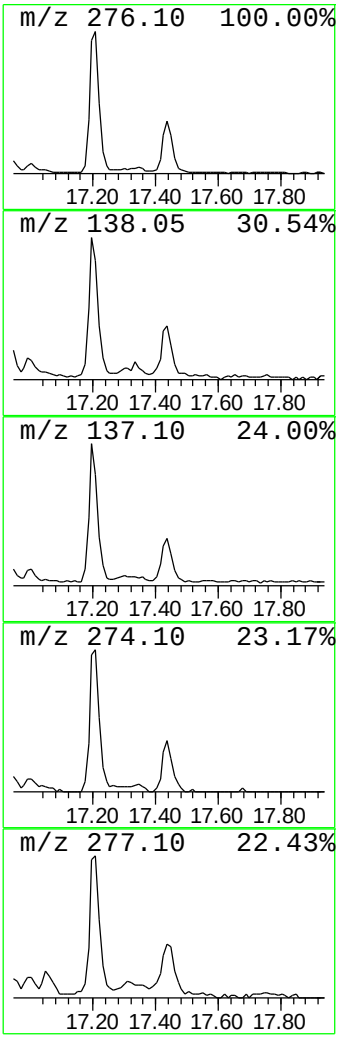
Peak Number 12 Dibenzo[def,mno]chrysene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.44	4.66 ng	232872	Perylene-d12	15.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	95
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	93
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	93
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	91
5	1H-Cyclopenta[4,5]pyrido[1,2-a]b...	276	C17H16N4	329707-31-5	47





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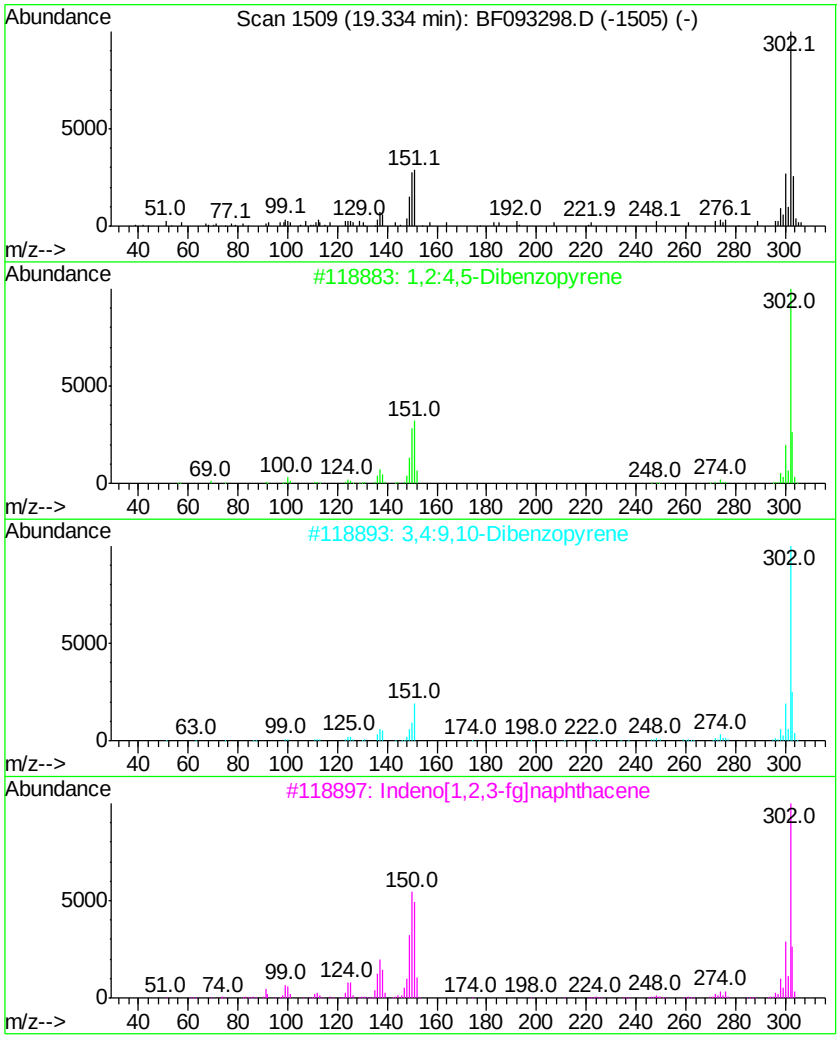
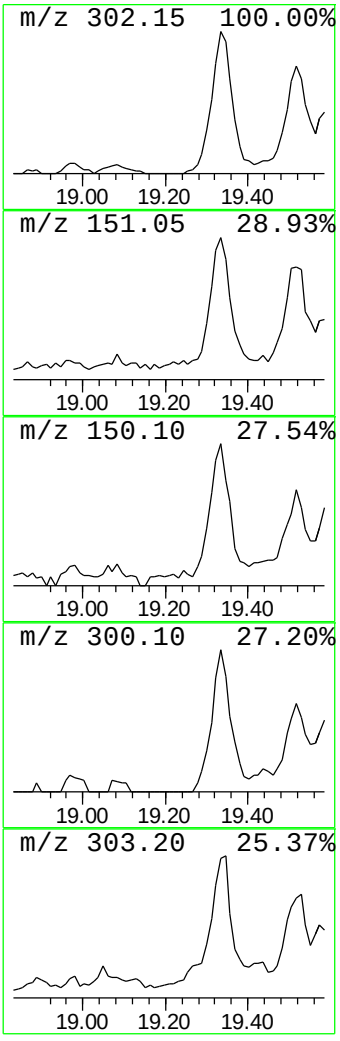
Peak Number 13 1,2:4,5-Dibenzopyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.33	3.52 ng	176028	Perylene-d12	15.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	97
2	3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	96
3	Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	96
4	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	95
5	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	93





Tentatively Identified Compound (LSC) summary

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					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.96	32.2	ng	1238770	1	6.81	769841	20.0
Bicyclo[3.1.1]hep...	6.05	3.1	ng	118271	1	6.81	769841	20.0
unknown6.58	6.58	88.0	ng	3388530	1	6.81	769841	20.0
Tridecane, 6-methyl-	10.75	2.0	ng	222776	4	11.33	2199210	20.0
4H-Cyclopenta[def...	11.94	3.1	ng	341116	4	11.33	2199210	20.0
11H-Benzo[a]fluorene	13.09	3.2	ng	403546	5	13.97	2529230	20.0
Cyclohexadecane	13.81	2.4	ng	305437	5	13.97	2529230	20.0
Benzo[e]pyrene	15.09	2.5	ng	123495	6	15.39	1000180	20.0
Benzo[b]triphenylene	16.95	2.7	ng	135464	6	15.39	1000180	20.0
Dibenzo[def,mno]c...	17.44	4.7	ng	232872	6	15.39	1000180	20.0
1,2:4,5-Dibenzopy...	19.33	3.5	ng	176028	6	15.39	1000180	20.0