LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071616\
Data File : BF089065.D
Acq On : 16 Jul 2016 20:13
Operator : UM/SJ
Sample : H4017-11
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C5-14

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-BF063016.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	1.644	4	5	14	rVV	58148	126373	5.68%	0.364%
2	1.770	14	16	32	rVB	545372	908880	40.89%	2.618%
3	3.404	152	159	162	rVB	16024	35076	1.58%	0.101%
4	4.810	279	282	287	rBV	116045	187637	8.44%	0.540%
5	5.199	313	316	319	rBV	32195	35899	1.61%	0.103%
6	5.267	319	322	324	rBV	1294860	1400327	62.99%	4.033%
7	6.102	391	395	398	rBV2	22710	40751	1.83%	0.117%
8	6.330	411	415	417	rBV	1172580	1518377	68.31%	4.373%
9	6.445	422	425	427	rVV	1263465	1504300	67.67%	4.333%
10	6.513	427	431	433	rVB2	51011	79469	3.57%	0.229%
11	6.662	442	444	446	rBV	328417	328080	14.76%	0.945%
12	6.822	456	458	460	rBV	1235242	1053392	47.39%	3.034%
13	7.233	491	494	496	rBV	856200	792752	35.66%	2.283%
14	7.370	503	506	507	rBV	32833	42834	1.93%	0.123%
15	7.713	532	536	538	rBV3	18695	36853	1.66%	0.106%
16	7.953	555	557	558	rBV	544662	498233	22.41%	1.435%
17	7.976	558	559	560	rVB	59146	41199	1.85%	0.119%
18	8.662	617	619	621	rVV	102245	80919	3.64%	0.233%
19	8.719	621	624	626	rVV2	35746	48016	2.16%	0.138%
20	8.765	626	628	629	rVB	58554	57922	2.61%	0.167%
21	9.028	649	651	654	rBV	1225003	1347971	60.64%	3.883%
22	9.131	658	660	662	rBV	24870	38474	1.73%	0.111%
23	9.291	672	674	677	rBV	26524	35009	1.57%	0.101%
24	9.359	679	680	682	rVV	40403	56890	2.56%	0.164%
25	9.428	684	686	689	rVV	526636	561285	25.25%	1.617%
26	9.485	689	691	694	rVV	24703	37940	1.71%	0.109%
27	9.565	696	698	700	rVB	55632	48864	2.20%	0.141%
28	9.656	704	706	707	rVB	36961	34407	1.55%	0.099%
29	9.702	707	710	712	rBV	481232	445797	20.05%	1.284%
30	9.736	712	713	715	rVB	104315	79592	3.58%	0.229%
31	9.908	725	728	729	rBV	76176	67889	3.05%	0.196%
32	10.113	743	746	748	rBV2	33169	46583	2.10%	0.134%
33	10.148	748	749	751	rVB	44504	44230	1.99%	0.127%
34	10.251	756	758	759	rVB	72201	75163	3.38%	0.216%

LSC Area Percent Report

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Data File : BF089065.D
Acq On : 16 Jul 2016 20:13
Operator : UM/SJ
Sample : H4017-11
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C5-14

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-BF063016.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.411	770	772	774	rVB	31649	35778	1.61%	0.103%
36	10.491	777	779	781	rVV	697682	653792	29.41%	1.883%
37	10.628	788	791	794	rVB2	69967	135795	6.11%	0.391%
38	10.822	804	808	810	rBV2	19246	34942	1.57%	0.101%
39	10.948	814	819	821	rBV6	38343	84603	3.81%	0.244%
40	10.994	821	823	825	rVB	46224	56874	2.56%	0.164%
41	11.039	825	827	828	rBV	35464	40628	1.83%	0.117%
42	11.074	828	830	832	rBV2	83522	95056	4.28%	0.274%
43	11.188	837	840	841	rBV	301684	521960	23.48%	1.503%
44	11.211	841	842	844	rVV	952394	673995	30.32%	1.941%
45	11.256	844	846	848	rVB	261619	219504	9.87%	0.632%
46	11.291	848	849	851	rBV2	34255	36480	1.64%	0.105%
47	11.416	857	860	864	rBV2	171983	235800	10.61%	0.679%
48	11.496	864	867	870	rVV3	40414	91226	4.10%	0.263%
49	11.679	881	883	885	rBV	86680	139701	6.28%	0.402%
50	11.714	885	886	887	rVV	199408	149640	6.73%	0.431%
51	11.759	887	890	891	rVV2	84350	135061	6.08%	0.389%
52	11.794	891	893	898	rVB2	253861	332916	14.98%	0.959%
53	11.908	898	903	905	rBV6	43083	134842	6.07%	0.388%
54	12.011	907	912	913	rVV2	109618	250531	11.27%	0.722%
55	12.239	929	932	934	rBV2	83329	168074	7.56%	0.484%
56	12.319	938	939	943	rVV	113380	146464	6.59%	0.422%
57	12.399	943	946	948	rVV	1670024	1966320	88.46%	5.664%
58	12.457	948	951	953	rVV2	43676	73883	3.32%	0.213%
59	12.537	956	958	960	rVV	92242	113551	5.11%	0.327%
60	12.628	963	966	968	rBV	1582534	2127320	95.70%	6.127%
61	12.674	968	970	973	rVB2	89671	140348	6.31%	0.404%
62	12.742	974	976	977	rBV	166583	191635	8.62%	0.552%
63	12.777	977	979	981	rVB	1009055	1094565	49.24%	3.153%
64	12.845	981	985	986	rBV2	125562	185885	8.36%	0.535%
65	12.891	986	989	991	rVB3	56580	104504	4.70%	0.301%
66	12.948	991	994	996	rBV	268753	403549	18.15%	1.162%
67	13.017	998	1000	1002	rBV	219213	206891	9.31%	0.596%
68	13.051	1002	1003	1007	rVB2	217192	347071	15.61%	1.000%
69	13.142	1009	1011	1013	rBV2	161501	200878	9.04%	0.579%
70	13.280	1021	1023	1025	rVB	97924	124690	5.61%	0.359%
71	13.371	1028	1031	1033	rVV2	80161	157156	7.07%	0.453%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071616\
Data File : BF089065.D
Acq On : 16 Jul 2016 20:13
Operator : UM/SJ
Sample : H4017-11
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C5-14

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-BF063016.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.462	1036	1039	1041	rVV	215856	303720	13.66%	0.875%
73	13.497	1041	1042	1046	rVB2	74541	98812	4.45%	0.285%
74	13.565	1046	1048	1049	rBV	305360	316148	14.22%	0.911%
75	13.600	1049	1051	1052	rVV	139332	272527	12.26%	0.785%
76	13.668	1056	1057	1061	rVB	230158	267104	12.02%	0.769%
77	13.737	1061	1063	1066	rVB	52640	55915	2.52%	0.161%
78	13.817	1066	1070	1072	rBV2	1193118	2222921	100.00%	6.403%
79	13.851	1072	1073	1077	rVB	1118261	962963	43.32%	2.774%
80	13.931	1077	1080	1081	rBV	194031	254053	11.43%	0.732%
81	13.965	1081	1083	1084	rVV2	63918	73598	3.31%	0.212%
82	14.011	1085	1087	1088	rVV2	91855	111720	5.03%	0.322%
83	14.045	1088	1090	1092	rVB2	84968	139760	6.29%	0.403%
84	14.171	1099	1101	1102	rBV	84971	78393	3.53%	0.226%
85	14.205	1102	1104	1106	rVV	178658	216862	9.76%	0.625%
86	14.240	1106	1107	1109	rVB2	110636	117134	5.27%	0.337%
87	14.297	1110	1112	1113	rVV	70313	88774	3.99%	0.256%
88	14.331	1113	1115	1118	rVB3	114026	233511	10.50%	0.673%
89	14.514	1128	1131	1132	rBV	89059	133200	5.99%	0.384%
90	14.674	1142	1145	1147	rBV3	79248	158303	7.12%	0.456%
91	14.834	1155	1159	1163	rBV	841091	1910119	85.93%	5.502%
92	14.914	1165	1166	1168	rVB	152940	147344	6.63%	0.424%
93	15.097	1179	1182	1184	rVB	423648	646973	29.10%	1.864%
94	15.154	1184	1187	1189	rVB	607270	799701	35.98%	2.303%
95	15.200	1189	1191	1192	rBV	194557	236879	10.66%	0.682%
96	16.183	1275	1277	1286	rVB5	71208	211133	9.50%	0.608%
97	16.491	1301	1304	1308	rVB	259113	497952	22.40%	1.434%
98	16.640	1314	1317	1319	rBV	45657	106667	4.80%	0.307%
99	16.686	1319	1321	1324	rVB2	50568	84680	3.81%	0.244%
100	16.880	1334	1338	1345	rVB	186255	421825	18.98%	1.215%

Sum of corrected areas: 34717982

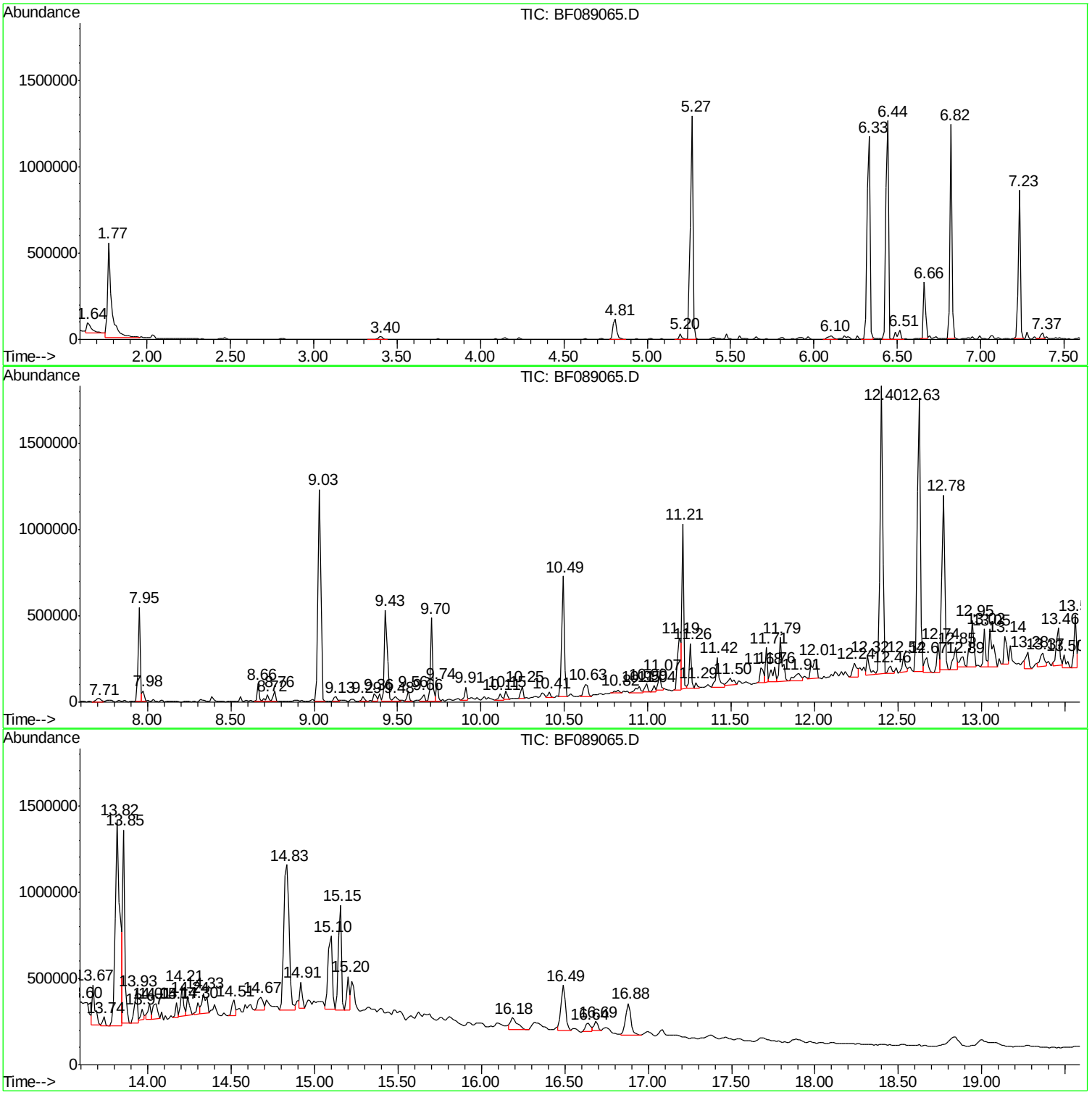
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071616\
Data File : BF089065.D
Acq On : 16 Jul 2016 20:13
Operator : UM/SJ
Sample : H4017-11
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C5-14

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF071616\
Data File : BF089065.D
Acq On : 16 Jul 2016 20:13
Operator : UM/SJ
Sample : H4017-11
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C5-14

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

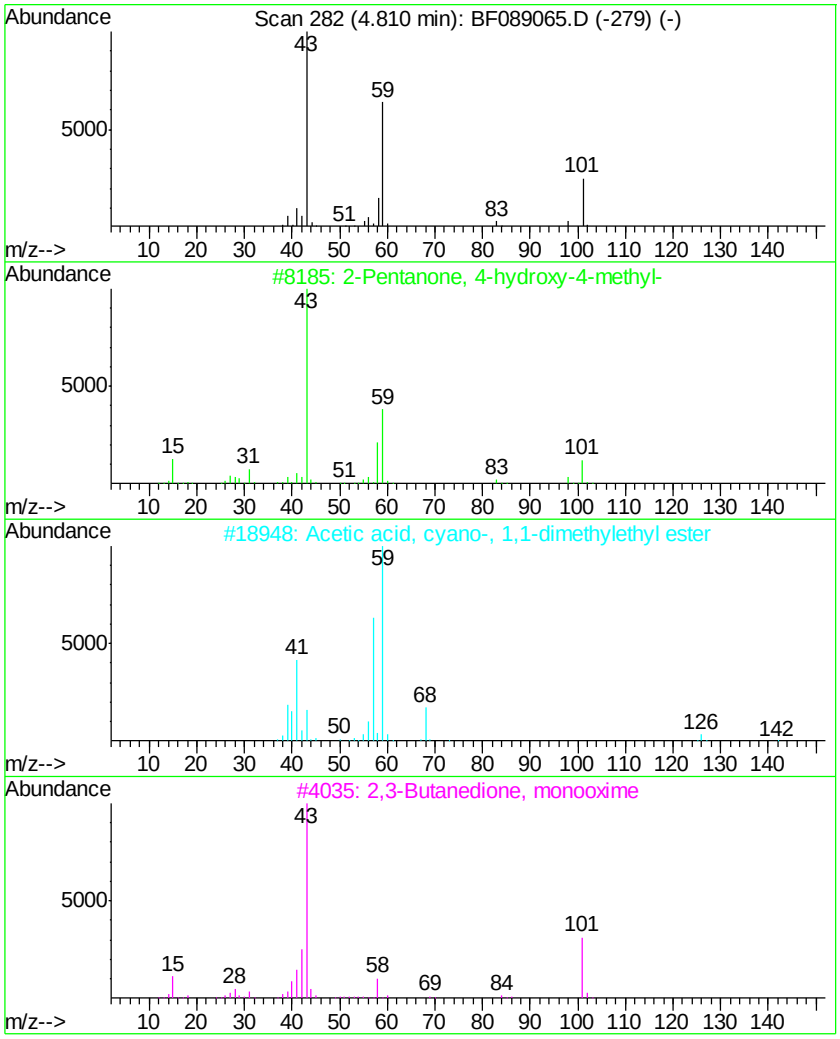
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

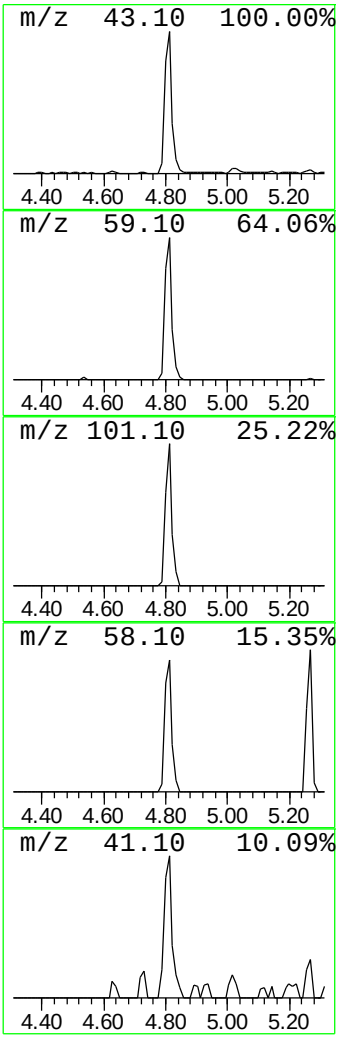
****

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.81	11.44 ng	187637	1,4-Dichlorobenzene-d4	6.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	32
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
4	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
5	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071616\
Data File : BF089065.D
Acq On : 16 Jul 2016 20:13
Operator : UM/SJ
Sample : H4017-11
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C5-14

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

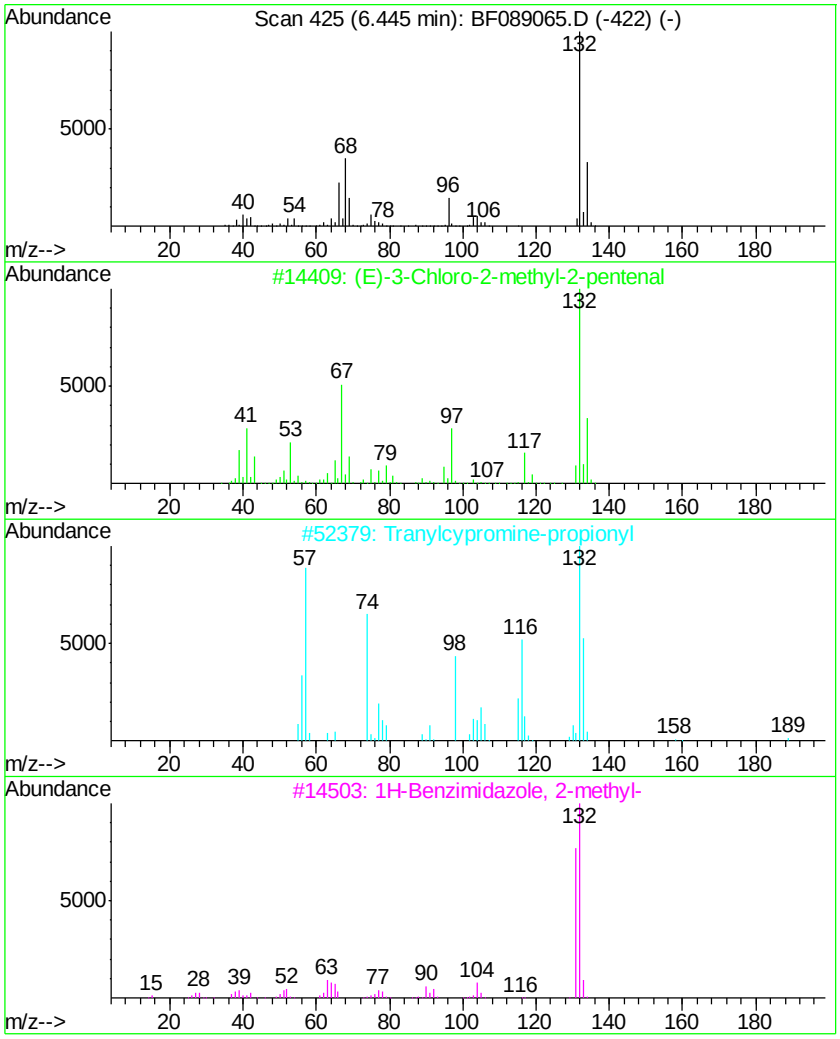
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

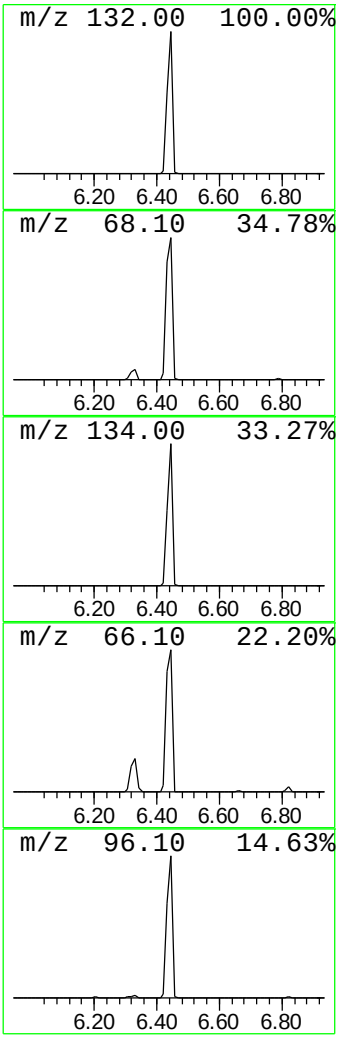
****

Peak Number 4 unknown6.44 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.44	91.70 ng	1504300	1,4-Dichlorobenzene-d4	6.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	16
3	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9
4	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF071616\
Data File : BF089065.D
Acq On : 16 Jul 2016 20:13
Operator : UM/SJ
Sample : H4017-11
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C5-14

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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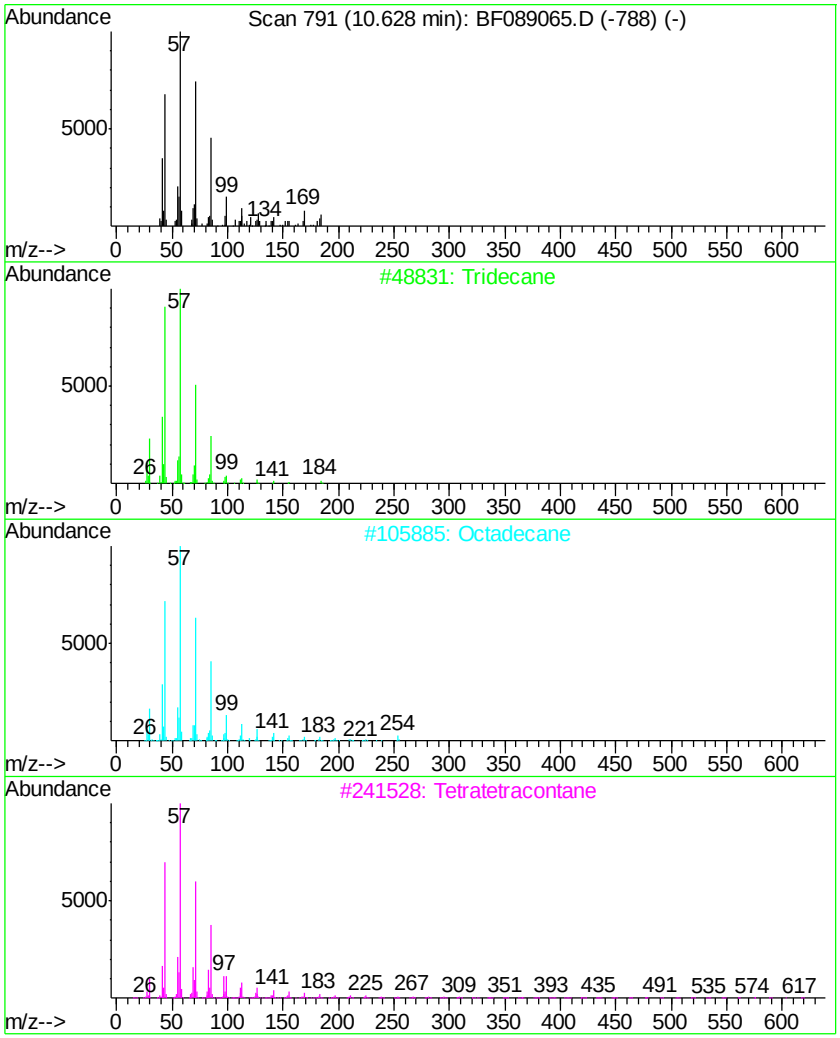
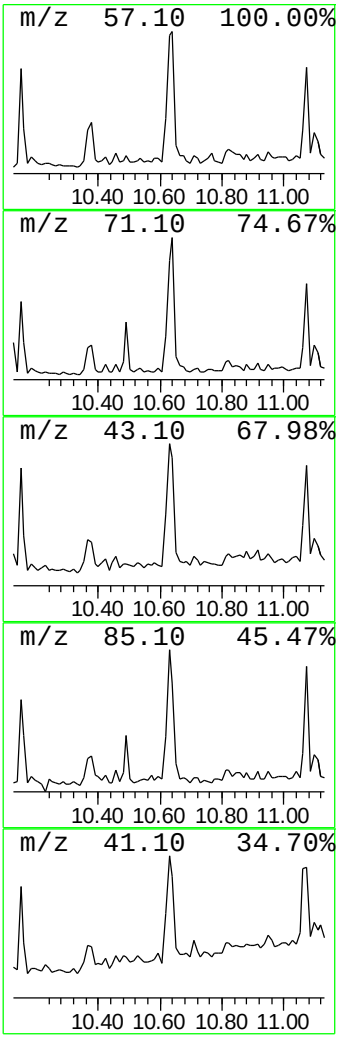
Peak Number 6 Tridecane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.63	5.20 ng	135795	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	91
2	Octadecane	254	C18H38	000593-45-3	91
3	Tetratetracontane	619	C44H90	007098-22-8	90
4	Hexadecane	226	C16H34	000544-76-3	90
5	Octacosane	394	C28H58	000630-02-4	90





Data Path : Z:\HPCHEM1\BNA F\DATA\BF071616\
Data File : BF089065.D
Acq On : 16 Jul 2016 20:13
Operator : UM/SJ
Sample : H4017-11
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C5-14

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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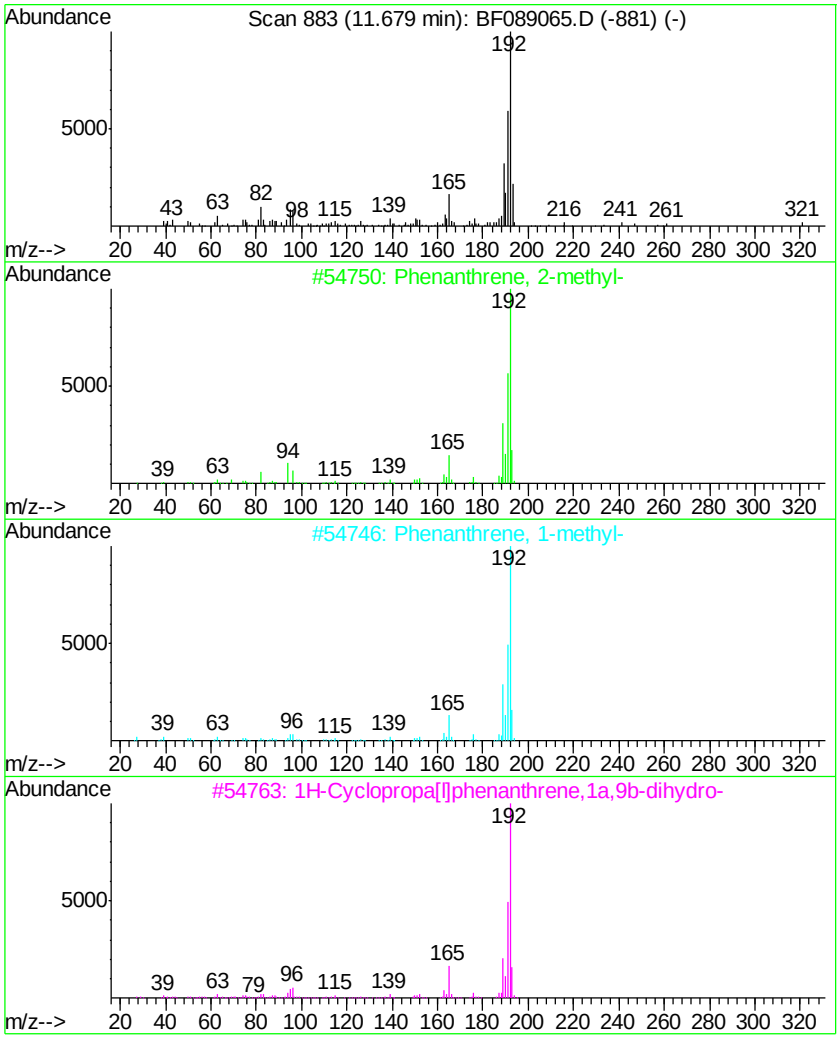
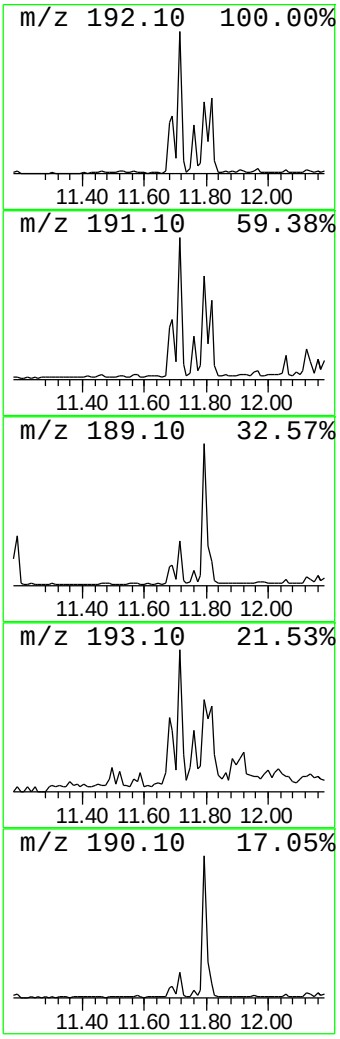
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.68	5.35 ng	139701	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94





Data Path : Z:\HPCHEM1\BNA F\DATA\BF071616\
Data File : BF089065.D
Acq On : 16 Jul 2016 20:13
Operator : UM/SJ
Sample : H4017-11
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C5-14

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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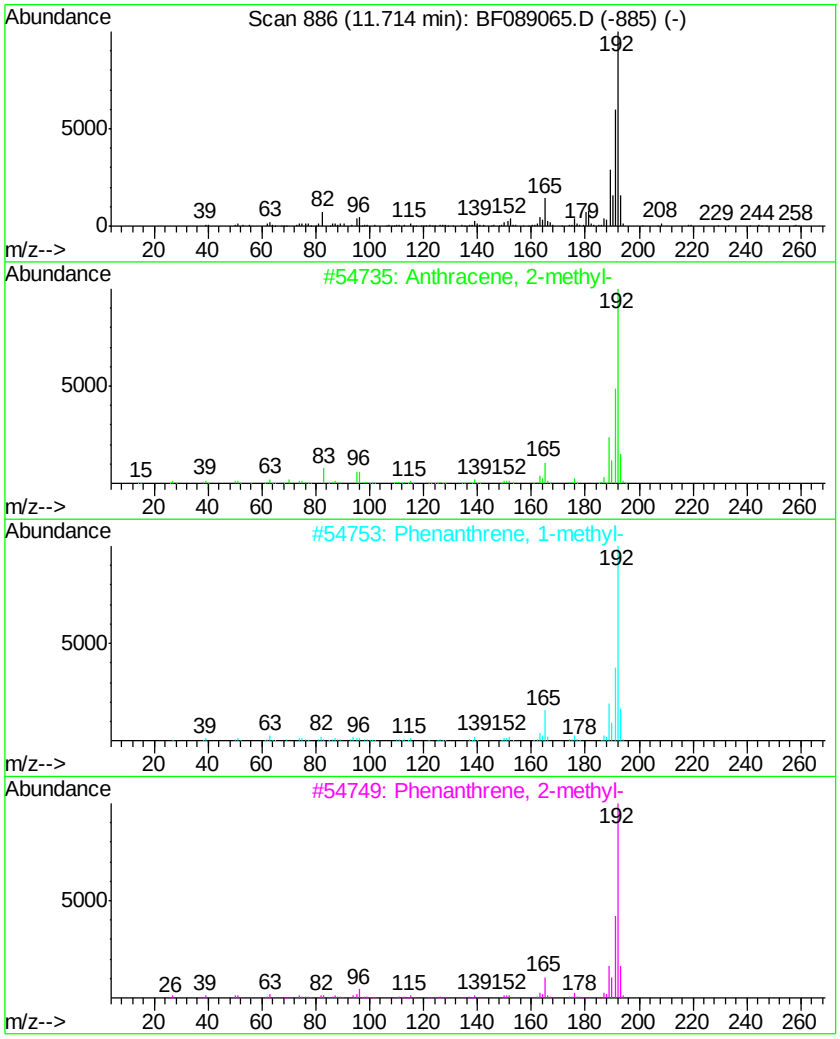
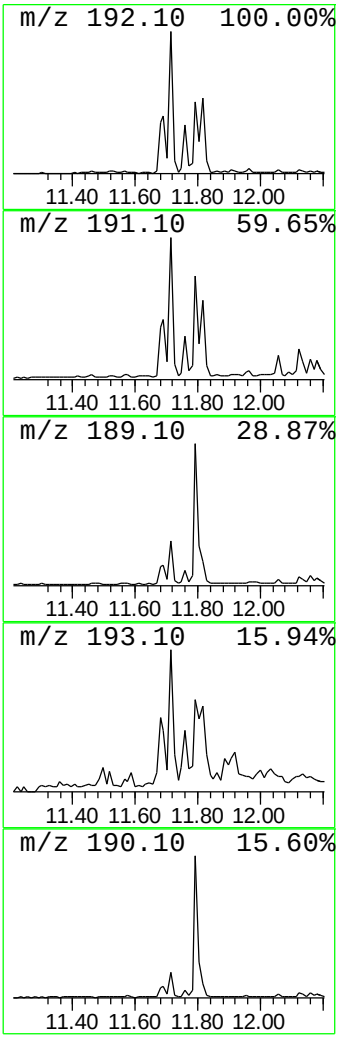
Peak Number 8 Anthracene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.71	5.73 ng	149640	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94





Data Path : Z:\HPCHEM1\BNA F\DATA\BF071616\
Data File : BF089065.D
Acq On : 16 Jul 2016 20:13
Operator : UM/SJ
Sample : H4017-11
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C5-14

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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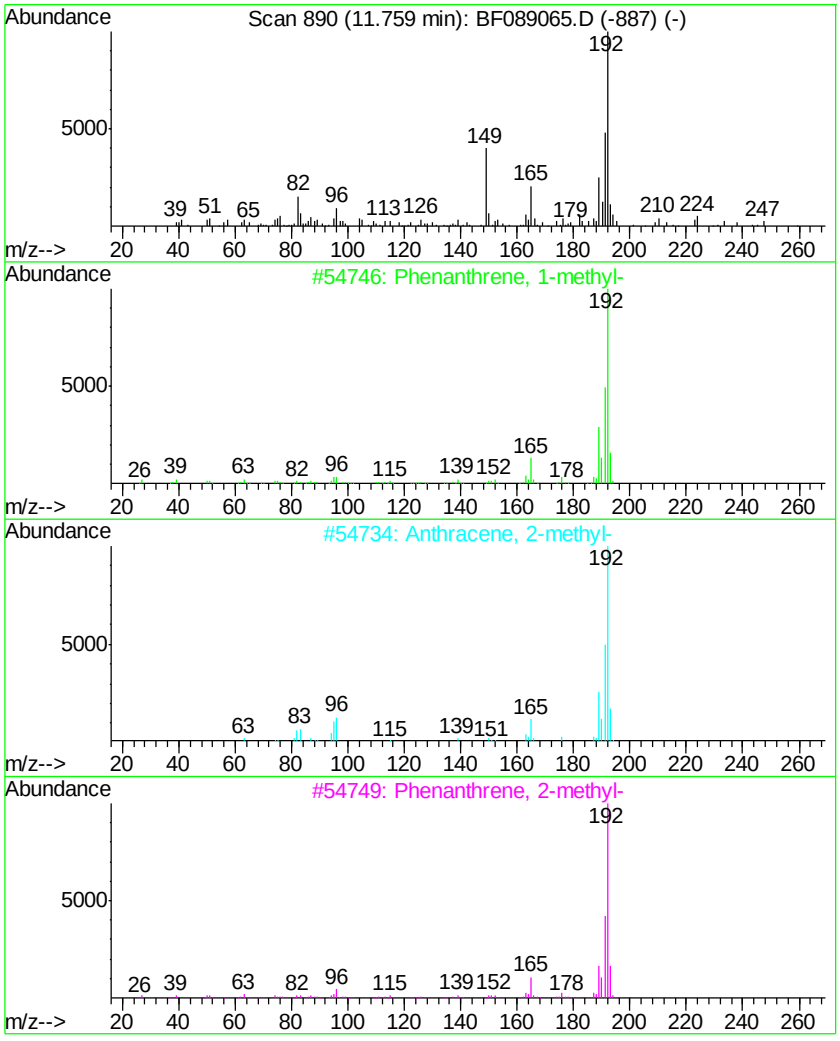
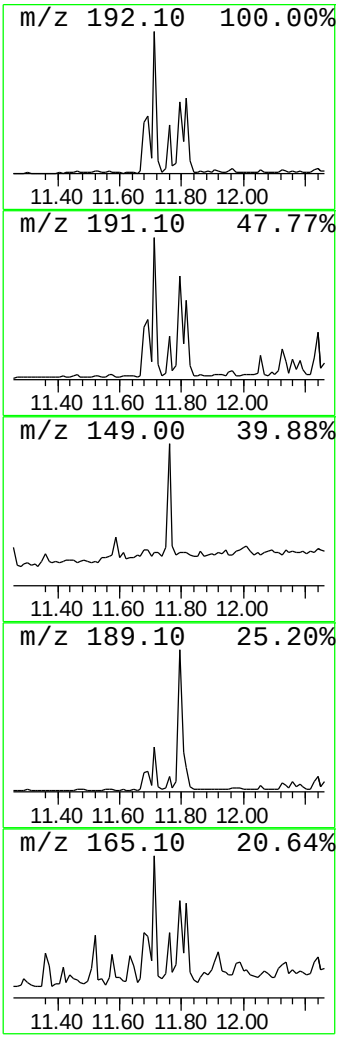
Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	5.18 ng	135061	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	92
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	83
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	83





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Data File : BF089065.D
Acq On : 16 Jul 2016 20:13
Operator : UM/SJ
Sample : H4017-11
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C5-14

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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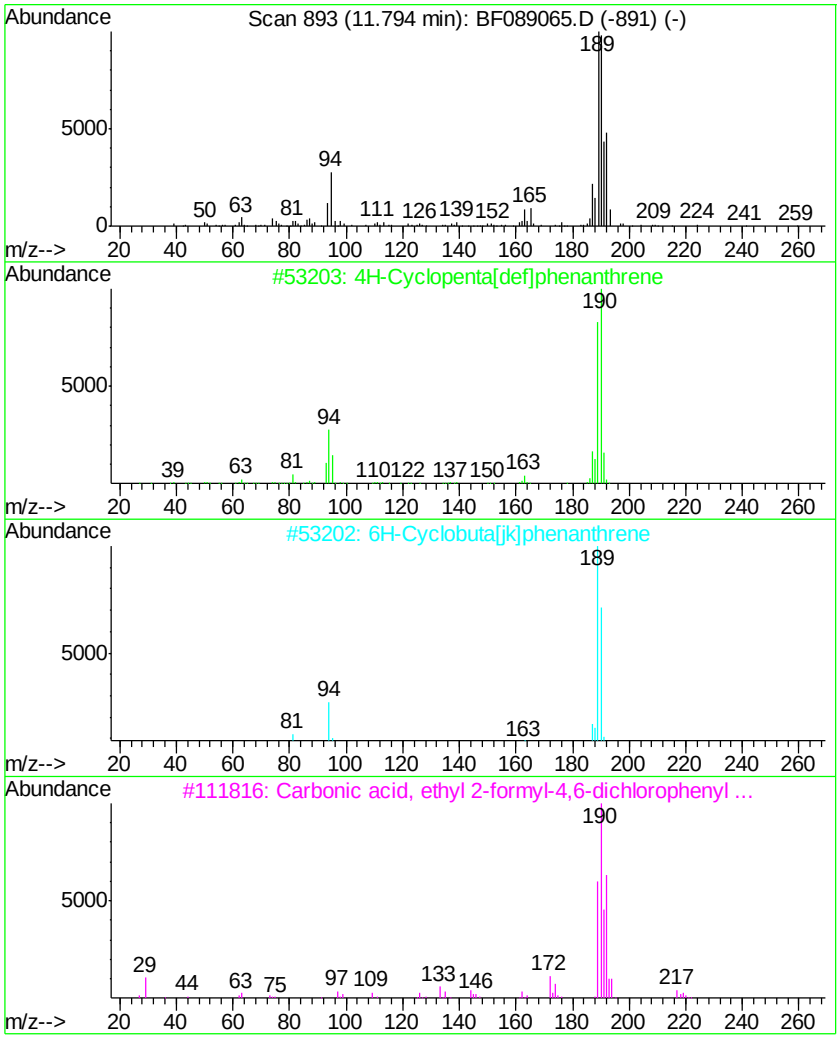
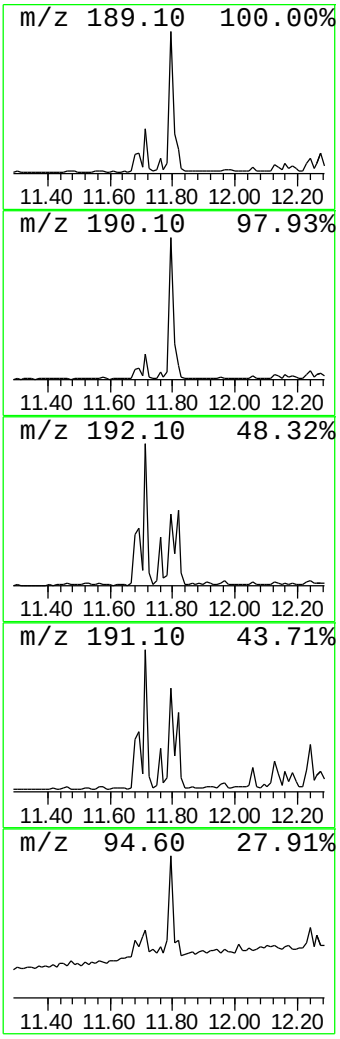
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	12.76 ng	332916	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
3	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50
4	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	40
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	38





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Data File : BF089065.D
Acq On : 16 Jul 2016 20:13
Operator : UM/SJ
Sample : H4017-11
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C5-14

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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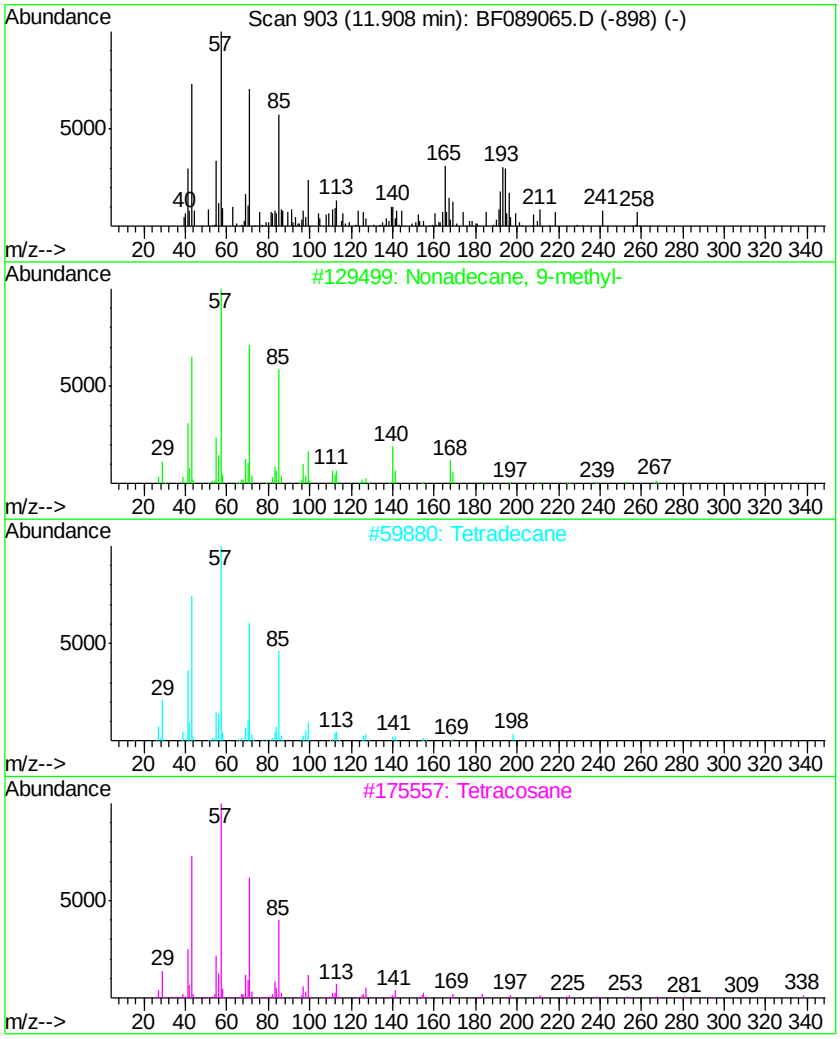
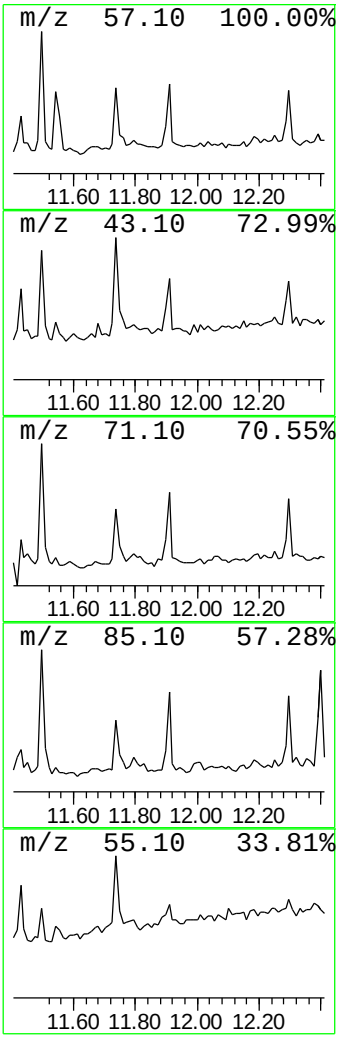
Peak Number 11 unknown11.91 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	5.17 ng	134842	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane, 9-methyl-	282	C20H42	013287-24-6	38
2	Tetradecane	198	C14H30	000629-59-4	38
3	Tetracosane	338	C24H50	000646-31-1	38
4	Sulfurous acid, 2-ethylhexyl iso...	278	C14H30O3S	1000309-19-0	30
5	1,2-Cyclohexanedicarboxylic acid...	340	C18H28O6	1000339-90-6	27





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Acq On : 16 Jul 2016 20:13
Operator : UM/SJ
Sample : H4017-11
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C5-14

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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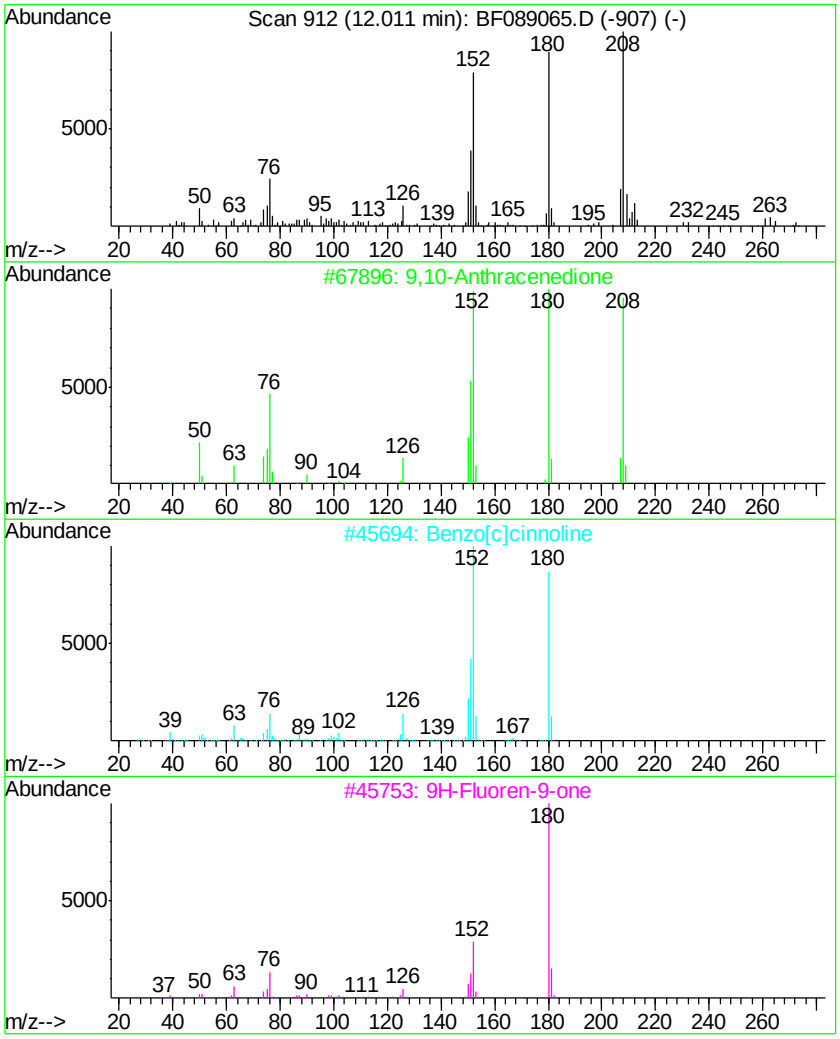
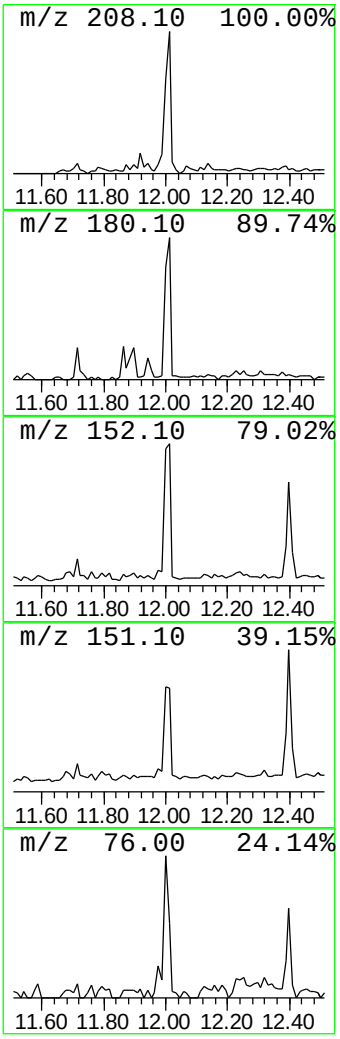
Peak Number 12 9,10-Anthracenedione Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	9.60 ng	250531	Phenanthrene-d10	11.19

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	90
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	78
4	5,6-Dimethyl-1,10-phenanthroline	208	C14H12N2	003002-81-1	52
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	49





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Acq On : 16 Jul 2016 20:13
Operator : UM/SJ
Sample : H4017-11
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C5-14

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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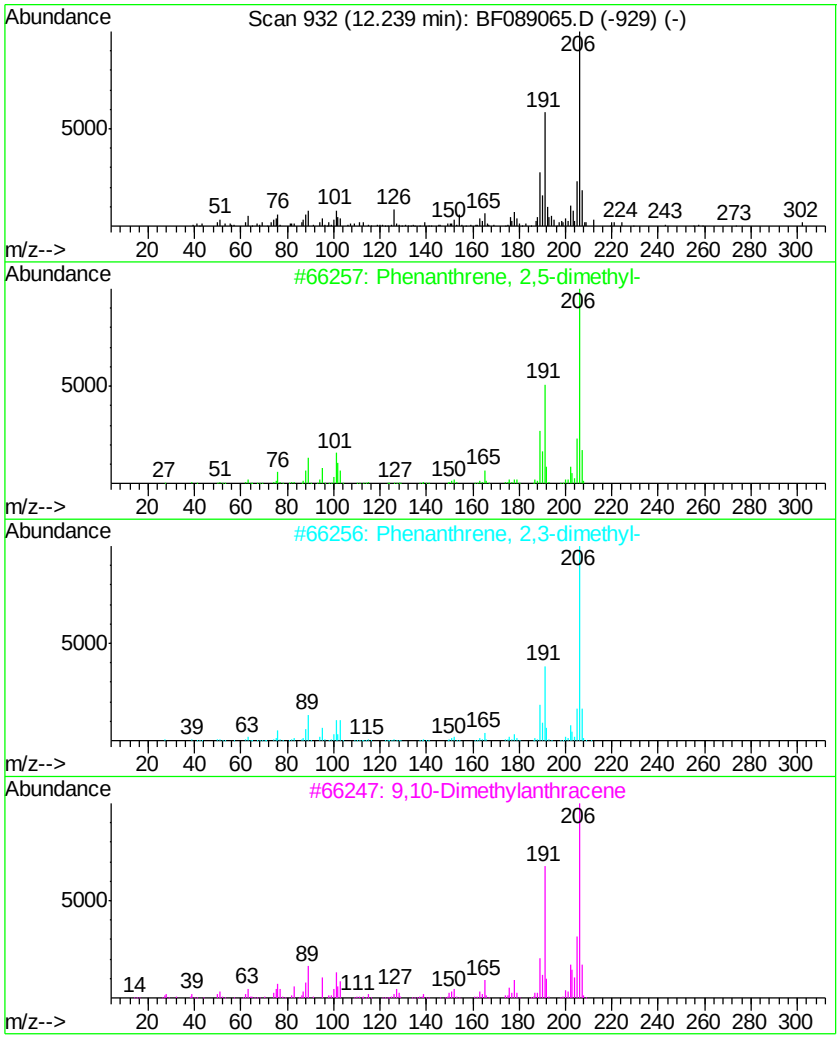
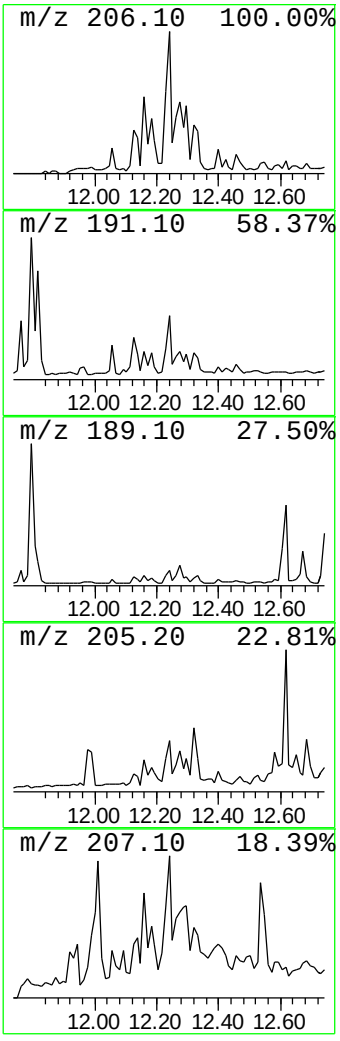
Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.24	6.44 ng	168074	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	87
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	87





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Data File : BF089065.D
Acq On : 16 Jul 2016 20:13
Operator : UM/SJ
Sample : H4017-11
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C5-14

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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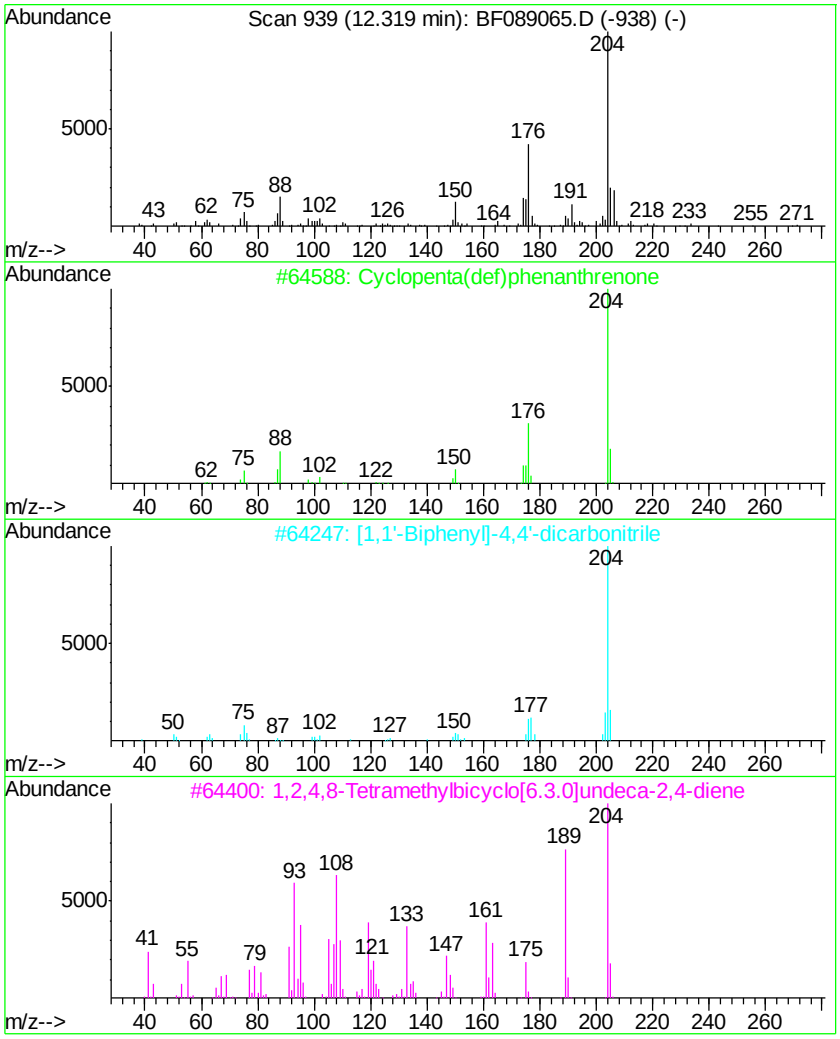
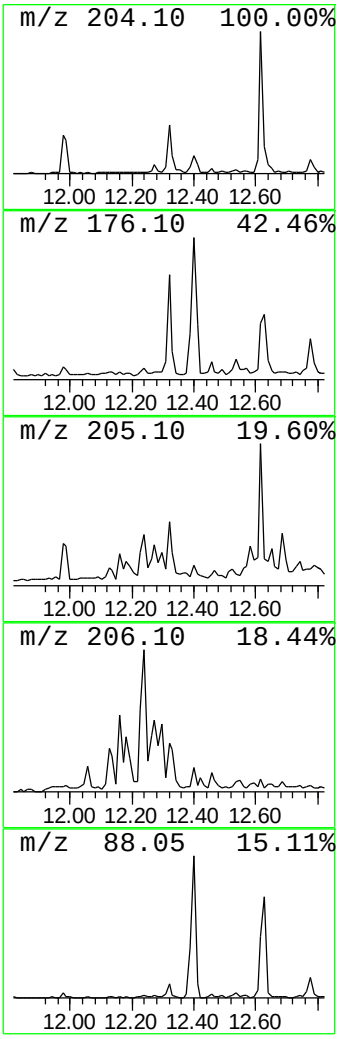
Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.32	5.61 ng	146464	Phenanthrene-d10	11.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49
4	.alpha.-l-Mannopyranoside, methy...	394	C16H38O5Si3	056271-60-4	47
5	1,2,4-Triazolo[2,3-c]thieno[3,2-...	204	C9H8N4S	113246-88-1	38





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Data File : BF089065.D
Acq On : 16 Jul 2016 20:13
Operator : UM/SJ
Sample : H4017-11
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C5-14

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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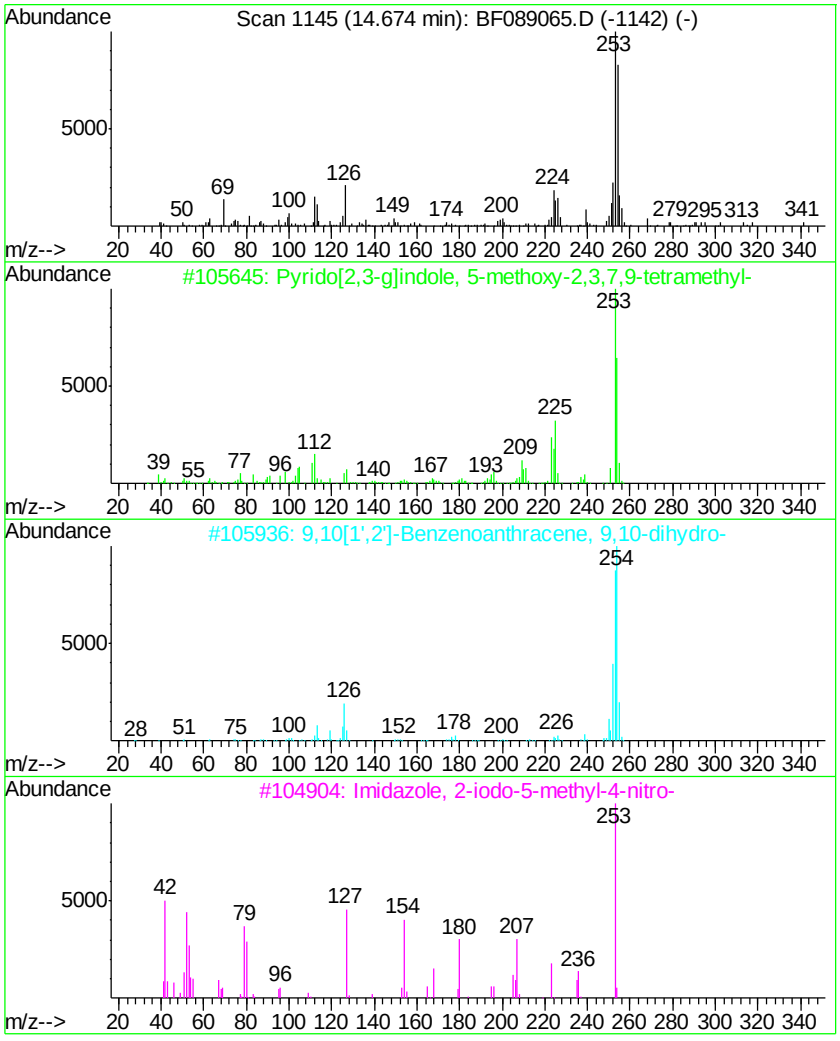
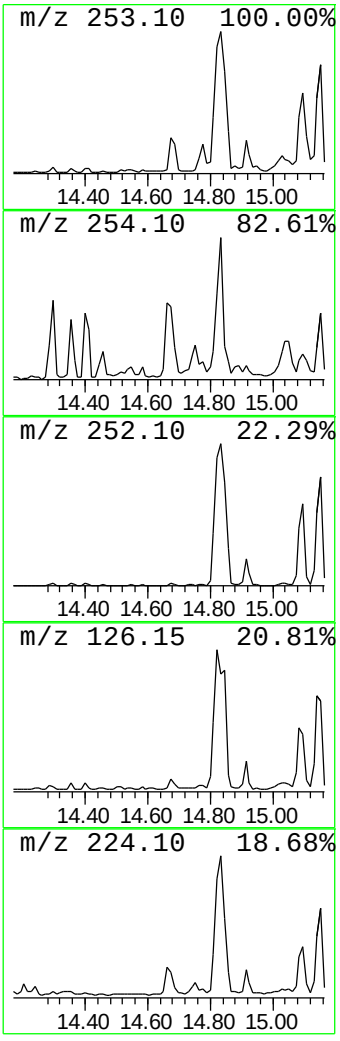
Peak Number 15 Pyrido[2,3-g]indole, 5-meth... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.67	13.37 ng	158303	Perylene-d12	15.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrido[2,3-g]indole, 5-methoxy-2...	254	C16H18N2O	201991-45-9	76
2	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	72
3	Imidazole, 2-iodo-5-methyl-4-nitro-	253	C4H4IN3O2	149510-86-1	70
4	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	68
5	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	59





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071616\
Data File : BF089065.D
Acq On : 16 Jul 2016 20:13
Operator : UM/SJ
Sample : H4017-11
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C5-14

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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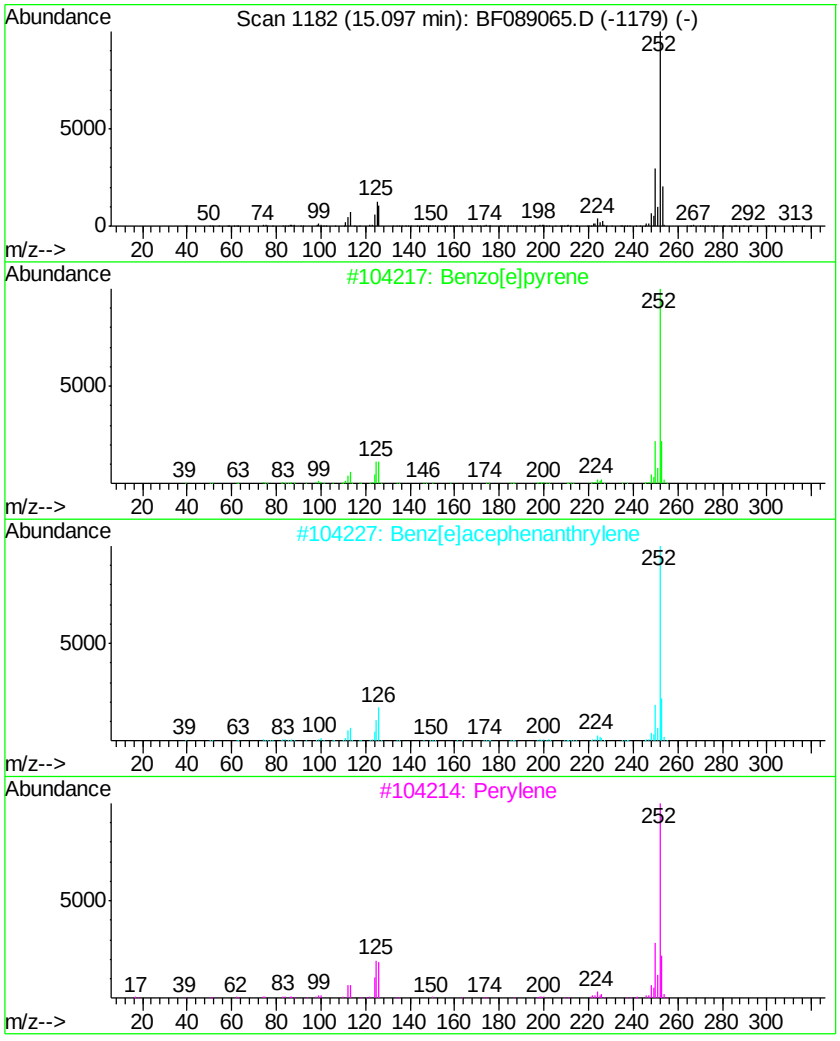
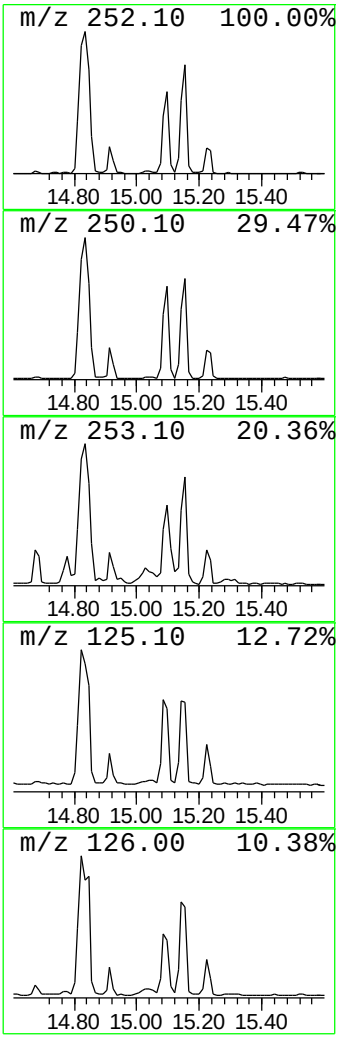
Peak Number 17 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.10	54.62 ng	646973	Perylene-d12	15.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
3	Perylene	252	C20H12	000198-55-0	93
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	90





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Data File : BF089065.D
Acq On : 16 Jul 2016 20:13
Operator : UM/SJ
Sample : H4017-11
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C5-14

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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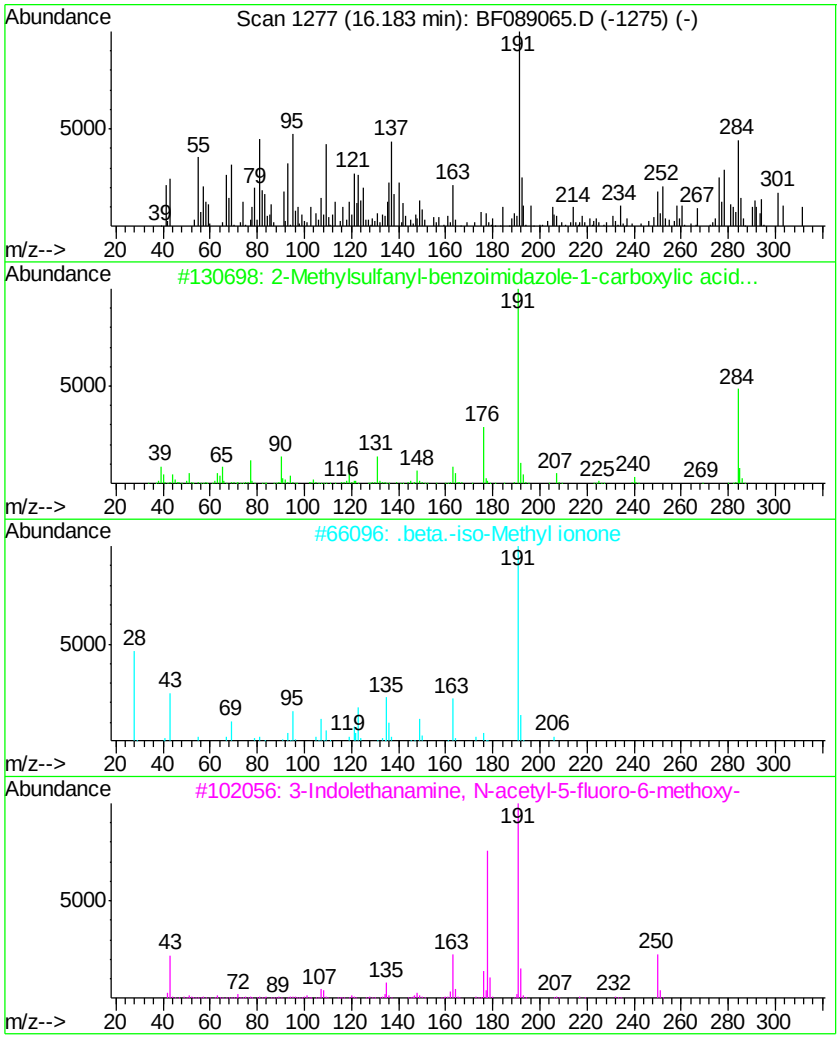
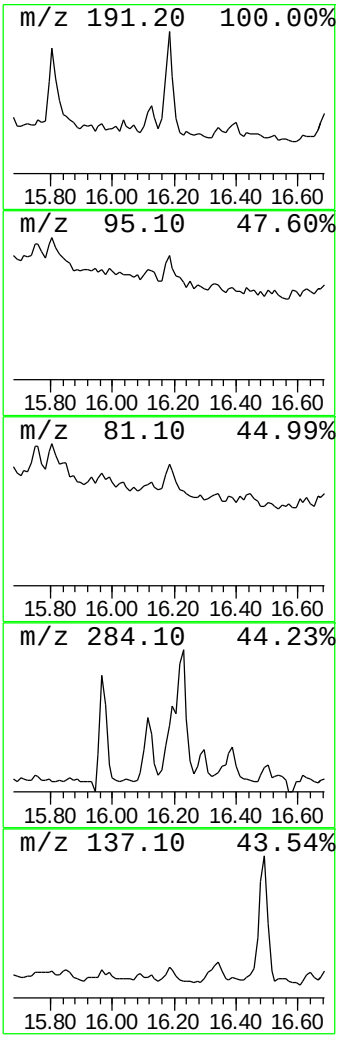
Peak Number 18 unknown16.18 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.18	17.83 ng	211133	Perylene-d12	15.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylsulfanyl-benzoimidazole-...	284	C15H12N2O2S	1000294-32-8	27
2	.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	27
3	3-Indolethanamine, N-acetyl-5-fl...	250	C13H15FN2O2	1000116-27-1	25
4	1-Penten-3-one, 1-(2,6,6-trimeth...	206	C14H22O	000127-43-5	20
5	Pyrido[3,4-d]pyridazin-1(2H)-one...	191	C8H9N5O	1000263-69-7	15





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Acq On : 16 Jul 2016 20:13
Operator : UM/SJ
Sample : H4017-11
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C5-14

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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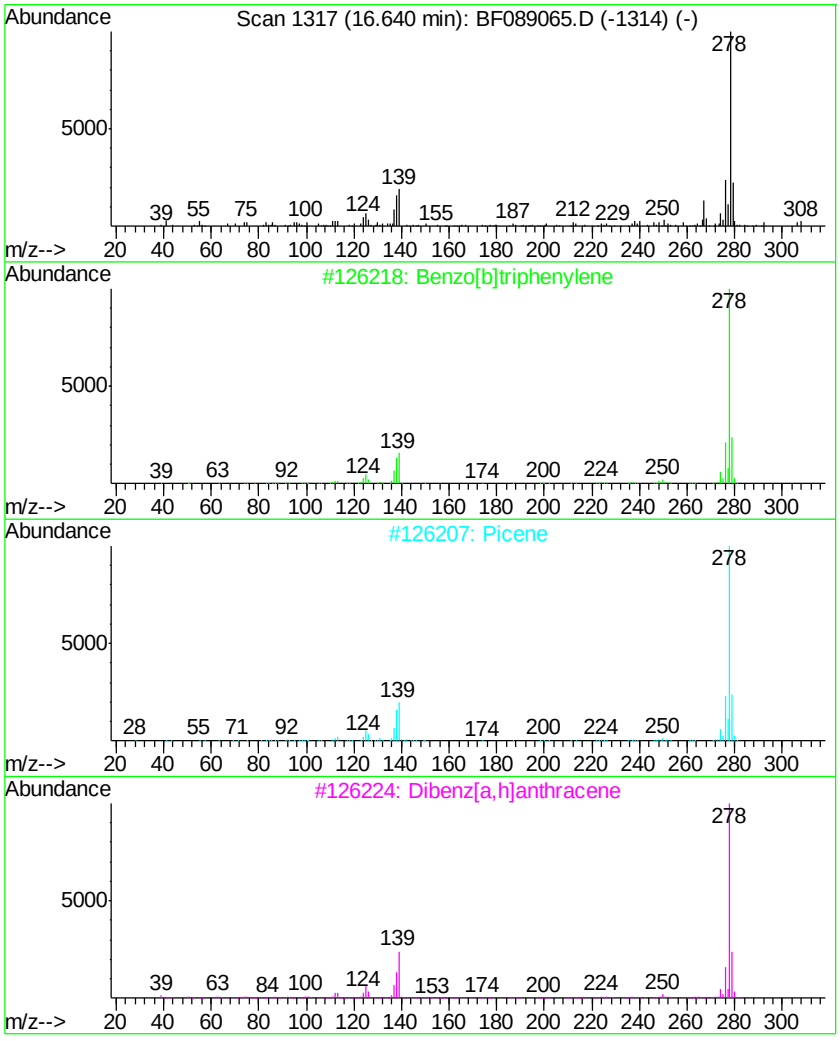
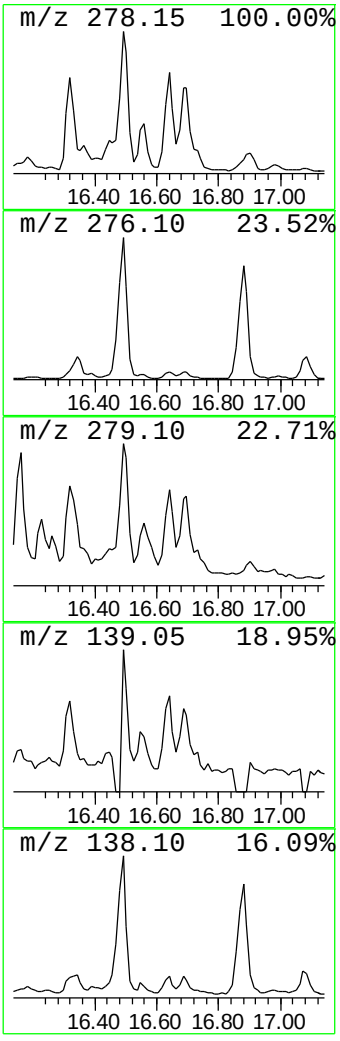
Peak Number 19 Benzo[b]triphenylene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.64	9.01 ng	106667	Perylene-d12	15.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	98
2	Picene	278	C22H14	000213-46-7	98
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	96
4	Benzo[b]chrysene	278	C22H14	000214-17-5	93
5	Benzo[a]naphthacene	278	C22H14	000226-88-0	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071616\
Data File : BF089065.D
Acq On : 16 Jul 2016 20:13
Operator : UM/SJ
Sample : H4017-11
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : C5-14

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.81	11.4	ng	187637	1	6.66	328080	20.0
unknown6.44	6.44	91.7	ng	1504300	1	6.66	328080	20.0
Tridecane	10.63	5.2	ng	135795	4	11.19	521960	20.0
Phenanthrene, 2-m...	11.68	5.3	ng	139701	4	11.19	521960	20.0
Anthracene, 2-met...	11.71	5.7	ng	149640	4	11.19	521960	20.0
Phenanthrene, 1-m...	11.76	5.2	ng	135061	4	11.19	521960	20.0
4H-Cyclopenta[def...	11.79	12.8	ng	332916	4	11.19	521960	20.0
unknown11.91	11.91	5.2	ng	134842	4	11.19	521960	20.0
9,10-Anthracenedione	12.01	9.6	ng	250531	4	11.19	521960	20.0
Phenanthrene, 2,5...	12.24	6.4	ng	168074	4	11.19	521960	20.0
Cyclopenta(def)ph...	12.32	5.6	ng	146464	4	11.19	521960	20.0
Pyrido[2,3-g]indo...	14.67	13.4	ng	158303	6	15.20	236879	20.0
Benzo[e]pyrene	15.10	54.6	ng	646973	6	15.20	236879	20.0
unknown16.18	16.18	17.8	ng	211133	6	15.20	236879	20.0
Benzo[b]triphenylene	16.64	9.0	ng	106667	6	15.20	236879	20.0