LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051716\
Data File : BF087138.D
Acq On : 18 May 2016 8:33
Operator : UM/SJ
Sample : H2994-07
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CH-STA-1767-00(0-2)RE

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-BF051716.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	1.724	10	12	58	rVB	3084964	6500451	100.00%	7.599%
2	4.719	272	274	284	rBV	244113	382766	5.89%	0.447%
3	5.187	312	315	323	rBV	1977249	3016640	46.41%	3.526%
4	6.262	406	409	411	rBV	3107609	3241370	49.86%	3.789%
5	6.365	416	418	420	rVV	3445889	3194117	49.14%	3.734%
6	6.410	420	422	426	rVB2	82387	145473	2.24%	0.170%
7	6.593	436	438	440	rBV	846933	976966	15.03%	1.142%
8	6.742	449	451	454	rBV	2222183	2330964	35.86%	2.725%
9	7.165	486	488	490	rBV	2209588	2093658	32.21%	2.447%
10	7.873	548	550	556	rBV2	950933	1618668	24.90%	1.892%
11	8.593	610	613	615	rVV	296837	277442	4.27%	0.324%
12	8.685	619	621	626	rVB	195127	267512	4.12%	0.313%
13	8.959	642	645	647	rBV	3280121	2945197	45.31%	3.443%
14	9.051	650	653	656	rBV2	113948	143367	2.21%	0.168%
15	9.222	666	668	670	rBV	92006	137173	2.11%	0.160%
16	9.291	672	674	675	rVV	207336	198498	3.05%	0.232%
17	9.313	675	676	678	rVV	113460	139770	2.15%	0.163%
18	9.359	678	680	683	rVV	394291	416049	6.40%	0.486%
19	9.405	683	684	688	rVB	106769	147890	2.28%	0.173%
20	9.485	689	691	694	rBV	651245	746506	11.48%	0.873%
21	9.576	697	699	700	rBV	216525	182816	2.81%	0.214%
22	9.633	701	704	705	rBV	910329	1262329	19.42%	1.476%
23	9.828	720	721	723	rVV	169645	223117	3.43%	0.261%
24	9.942	729	731	733	rBV2	108911	154416	2.38%	0.181%
25	10.068	740	742	744	rVB2	178292	249285	3.83%	0.291%
26	10.171	750	751	755	rVB	272562	292479	4.50%	0.342%
27	10.285	758	761	764	rBV2	130010	211170	3.25%	0.247%
28	10.331	764	765	770	rVB2	149444	168476	2.59%	0.197%
29	10.422	770	773	775	rBV	1498104	1840230	28.31%	2.151%
30	10.548	782	784	787	rVB	325220	507493	7.81%	0.593%
31	10.719	797	799	802	rBV2	88219	174257	2.68%	0.204%
32	10.868	808	812	815	rBV2	133319	273601	4.21%	0.320%
33	10.914	815	816	818	rBV	157746	198666	3.06%	0.232%
34	10.994	821	823	827	rVB2	173703	375996	5.78%	0.440%

LSC Area Percent Report

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Data File : BF087138.D
Acq On : 18 May 2016 8:33
Operator : UM/SJ
Sample : H2994-07
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CH-STA-1767-00(0-2)RE

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-BF051716.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.108	830	833	834	rBV	1121204	1250475	19.24%	1.462%
36	11.131	834	835	837	rVV	2033537	1500446	23.08%	1.754%
37	11.176	837	839	841	rVB	535751	656348	10.10%	0.767%
38	11.222	841	843	845	rBV	108836	122366	1.88%	0.143%
39	11.348	851	854	858	rBV2	280222	508796	7.83%	0.595%
40	11.416	858	860	861	rVV2	102316	153697	2.36%	0.180%
41	11.611	875	877	878	rBV	248565	352813	5.43%	0.412%
42	11.634	878	879	882	rVV	508167	469875	7.23%	0.549%
43	11.679	882	883	884	rVV	225045	172059	2.65%	0.201%
44	11.714	884	886	891	rVB	595963	907041	13.95%	1.060%
45	11.817	891	895	899	rBV3	153323	368345	5.67%	0.431%
46	11.897	899	902	904	rBV3	179985	329744	5.07%	0.385%
47	11.931	904	905	907	rVB	280332	262414	4.04%	0.307%
48	12.045	913	915	917	rBV3	93635	156765	2.41%	0.183%
49	12.079	917	918	919	rVV	161593	134601	2.07%	0.157%
50	12.102	919	920	922	rVB2	114816	122490	1.88%	0.143%
51	12.159	922	925	926	rBV	352254	485626	7.47%	0.568%
52	12.194	926	928	931	rVV2	253170	501297	7.71%	0.586%
53	12.239	931	932	934	rVV	316923	386490	5.95%	0.452%
54	12.319	936	939	941	rBV	3500078	3435757	52.85%	4.016%
55	12.365	941	943	945	rVV2	111244	178770	2.75%	0.209%
56	12.411	945	947	949	rVB	334052	308797	4.75%	0.361%
57	12.457	949	951	956	rBV4	239000	408311	6.28%	0.477%
58	12.548	956	959	961	rBV	2982678	3871687	59.56%	4.526%
59	12.594	961	963	967	rVB2	217878	388614	5.98%	0.454%
60	12.662	967	969	970	rBV	304851	355751	5.47%	0.416%
61	12.697	970	972	975	rVB	1387739	2007976	30.89%	2.347%
62	12.765	975	978	980	rBV2	448607	746948	11.49%	0.873%
63	12.868	983	987	989	rVB2	527216	1077850	16.58%	1.260%
64	12.937	989	993	994	rBV	294702	433292	6.67%	0.506%
65	12.971	994	996	1000	rVB	674845	763507	11.75%	0.893%
66	13.028	1000	1001	1002	rBV	110065	122421	1.88%	0.143%
67	13.062	1002	1004	1005	rVV	383602	298848	4.60%	0.349%
68	13.097	1005	1007	1009	rVB2	243683	239330	3.68%	0.280%
69	13.280	1017	1023	1025	rBV5	145271	497180	7.65%	0.581%
70	13.382	1028	1032	1035	rBV	741754	845309	13.00%	0.988%
71	13.485	1038	1041	1042	rBV	583959	676478	10.41%	0.791%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051716\
Data File : BF087138.D
Acq On : 18 May 2016 8:33
Operator : UM/SJ
Sample : H2994-07
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CH-STA-1767-00(0-2)RE

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-BF051716.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.542	1044	1046	1049	rVB3	268845	591196	9.09%	0.691%
73	13.588	1049	1050	1052	rBV	460705	505731	7.78%	0.591%
74	13.737	1060	1063	1064	rBV2	2159321	3442641	52.96%	4.024%
75	13.771	1064	1066	1068	rVV	1796822	2288769	35.21%	2.675%
76	13.840	1070	1072	1073	rVB2	141279	141809	2.18%	0.166%
77	13.885	1075	1076	1080	rVV4	285025	449484	6.91%	0.525%
78	14.125	1092	1097	1099	rVV	709496	1152333	17.73%	1.347%
79	14.160	1099	1100	1102	rVV2	390244	487708	7.50%	0.570%
80	14.217	1102	1105	1106	rVV3	257604	491079	7.55%	0.574%
81	14.251	1106	1108	1111	rVV3	372758	731933	11.26%	0.856%
82	14.320	1113	1114	1117	rVB3	199070	206384	3.17%	0.241%
83	14.434	1122	1124	1129	rBV5	158166	396140	6.09%	0.463%
84	14.514	1129	1131	1134	rVB4	111731	254796	3.92%	0.298%
85	14.594	1136	1138	1140	rVB	329996	350836	5.40%	0.410%
86	14.743	1148	1151	1155	rBV	2299365	4655895	71.62%	5.443%
87	14.834	1155	1159	1160	rVB2	483372	737588	11.35%	0.862%
88	14.903	1163	1165	1168	rBV2	118230	248868	3.83%	0.291%
89	14.994	1171	1173	1176	rVB	1252981	1528031	23.51%	1.786%
90	15.051	1176	1178	1180	rBV	1445029	1707838	26.27%	1.996%
91	15.097	1180	1182	1184	rBV	474315	869418	13.37%	1.016%
92	15.485	1213	1216	1219	rBV4	86290	220110	3.39%	0.257%
93	16.183	1274	1277	1278	rBV2	68078	125491	1.93%	0.147%
94	16.343	1288	1291	1295	rBV	612642	1230875	18.94%	1.439%
95	16.491	1301	1304	1306	rBV2	143067	324762	5.00%	0.380%
96	16.537	1306	1308	1311	rVB2	108464	188918	2.91%	0.221%
97	16.720	1320	1324	1331	rVB	405777	796021	12.25%	0.931%
98	16.914	1339	1341	1348	rVB2	104284	287058	4.42%	0.336%
99	18.594	1483	1488	1494	rBV2	126089	389253	5.99%	0.455%
100	18.754	1498	1502	1505	rBV	71984	212267	3.27%	0.248%

Sum of corrected areas: 85546554

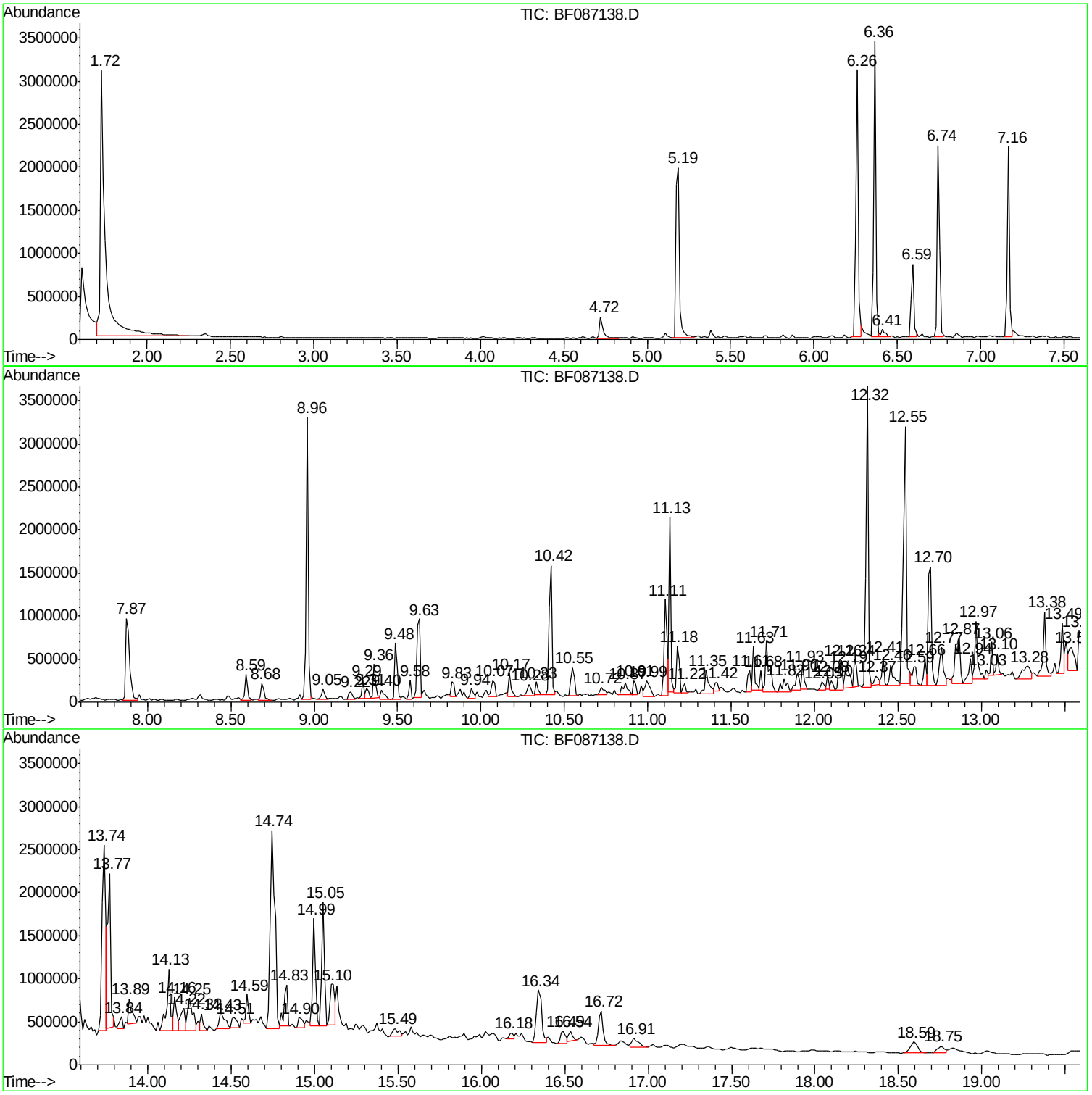
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051716\
Data File : BF087138.D
Acq On : 18 May 2016 8:33
Operator : UM/SJ
Sample : H2994-07
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CH-STA-1767-00(0-2)RE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.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\BF051716\
Data File : BF087138.D
Acq On : 18 May 2016 8:33
Operator : UM/SJ
Sample : H2994-07
Misc :
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Instrument : BNA_F
ClientSampleId : CH-STA-1767-00(0-2)RE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

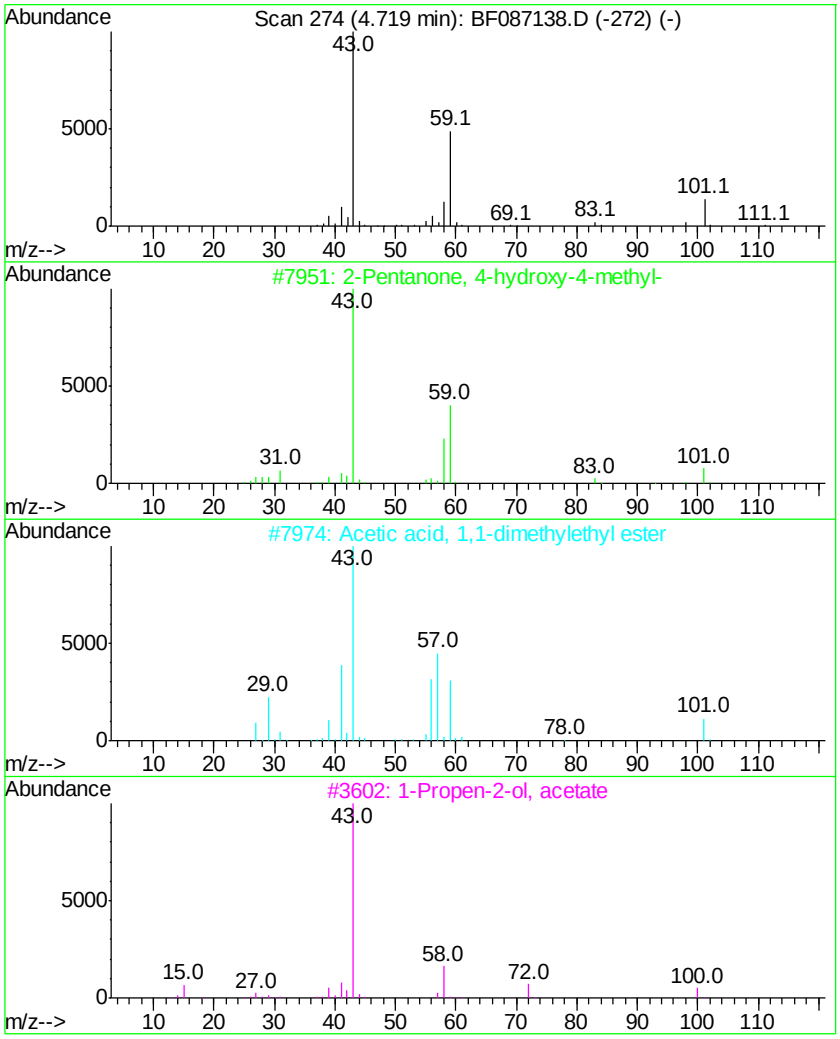
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

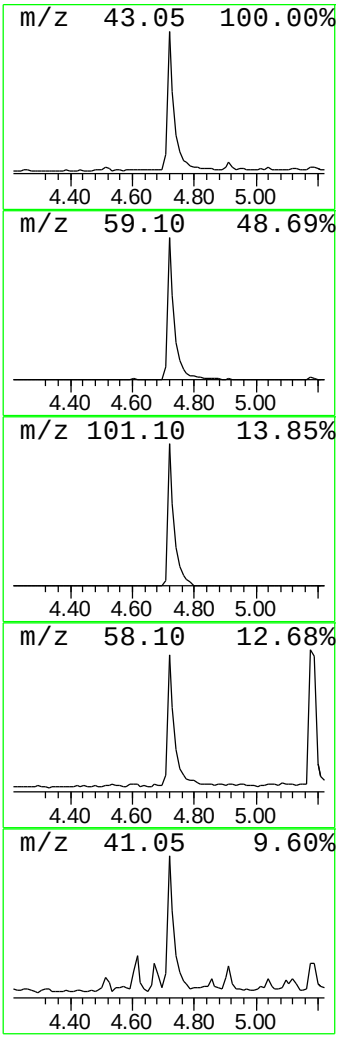
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.72	7.84 ng	382766	1,4-Dichlorobenzene-d4	6.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	28
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
4	Butane	58	C4H10	000106-97-8	9
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF051716\
Data File : BF087138.D
Acq On : 18 May 2016 8:33
Operator : UM/SJ
Sample : H2994-07
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CH-STA-1767-00(0-2)RE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

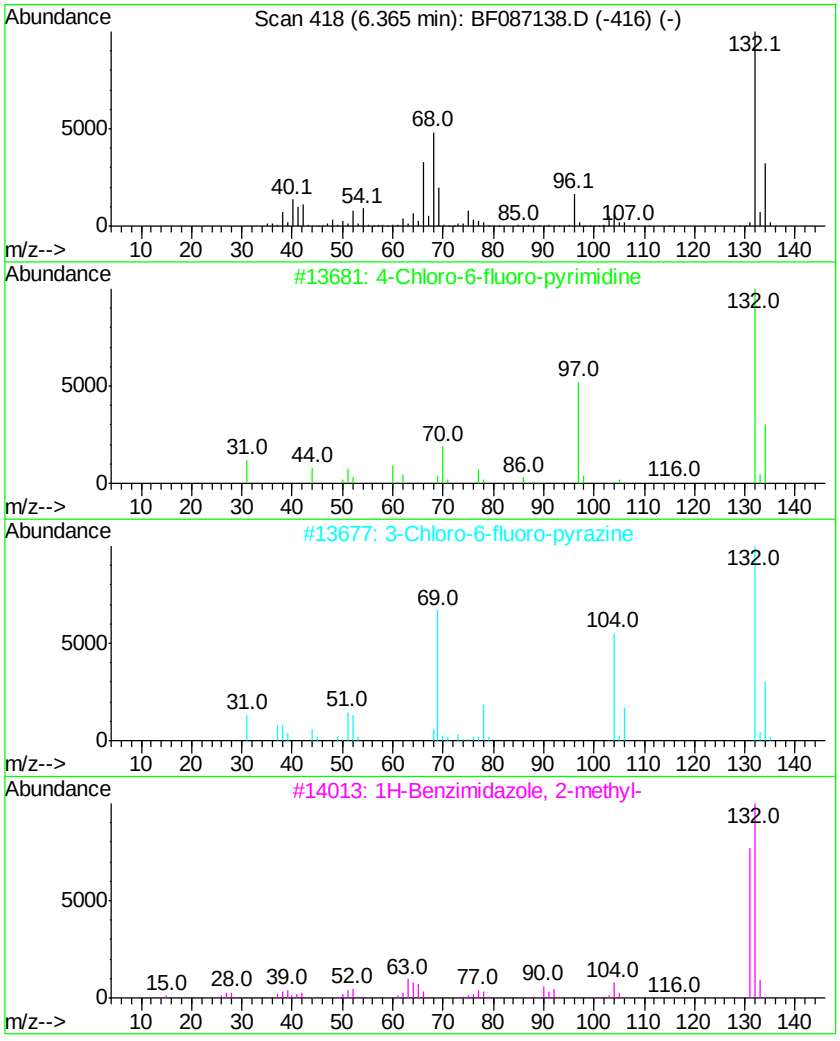
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

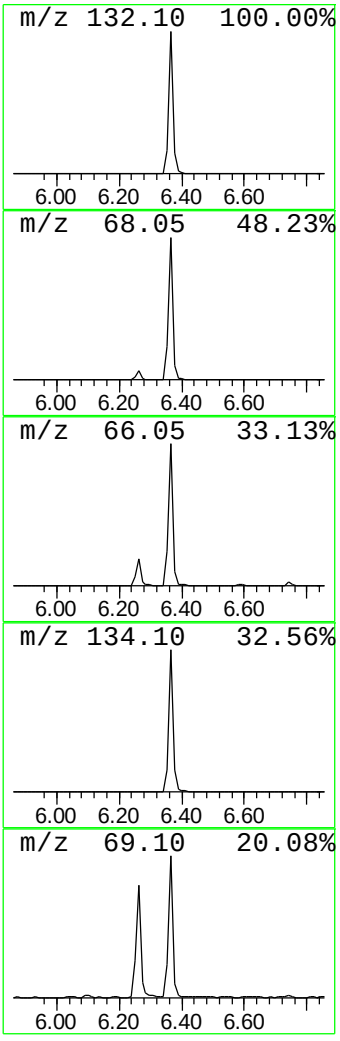
****

Peak Number 3 unknown6.36 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.36	65.39 ng	3194120	1,4-Dichlorobenzene-d4	6.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
3	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
5	(5-METHYL-2-PYRIDYL)ACETONITRILE	132	C8H8N2	1000241-93-9	10





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051716\
Data File : BF087138.D
Acq On : 18 May 2016 8:33
Operator : UM/SJ
Sample : H2994-07
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CH-STA-1767-00(0-2)RE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

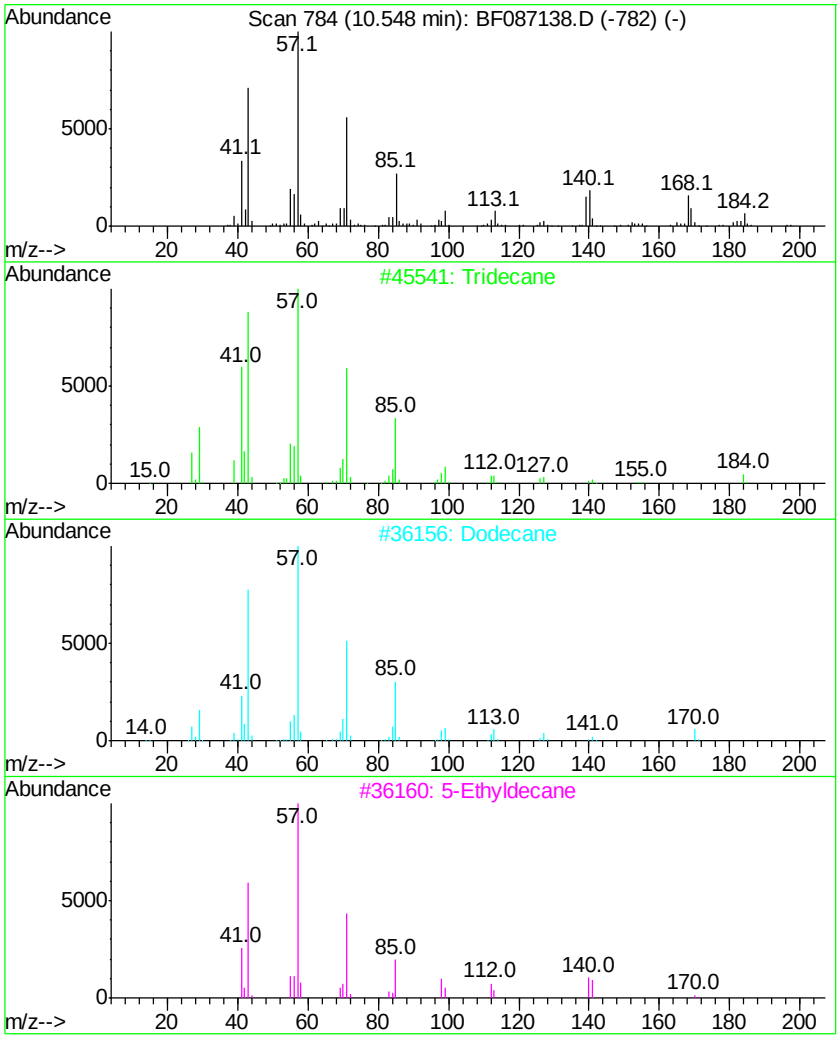
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

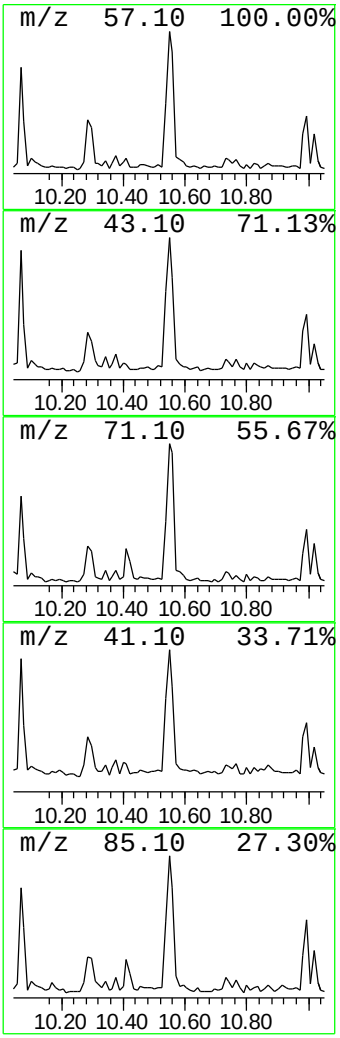
****

Peak Number 5 Tridecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.55	8.12 ng	507493	Phenanthrene-d10	11.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	64
2	Dodecane	170	C12H26	000112-40-3	64
3	5-Ethyldecane	170	C12H26	017302-36-2	62
4	Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	58
5	Eicosane	282	C20H42	000112-95-8	53





Data Path : Z:\HPCHEM1\BNA F\DATA\BF051716\
Data File : BF087138.D
Acq On : 18 May 2016 8:33
Operator : UM/SJ
Sample : H2994-07
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CH-STA-1767-00(0-2)RE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

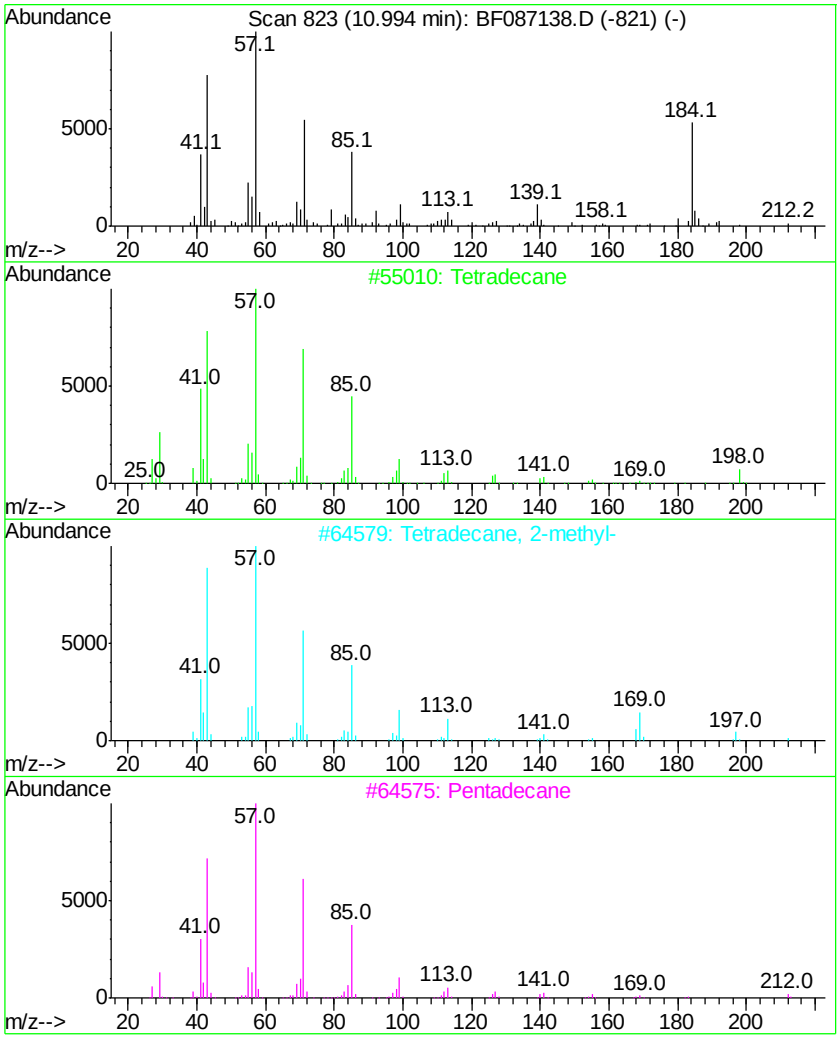
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

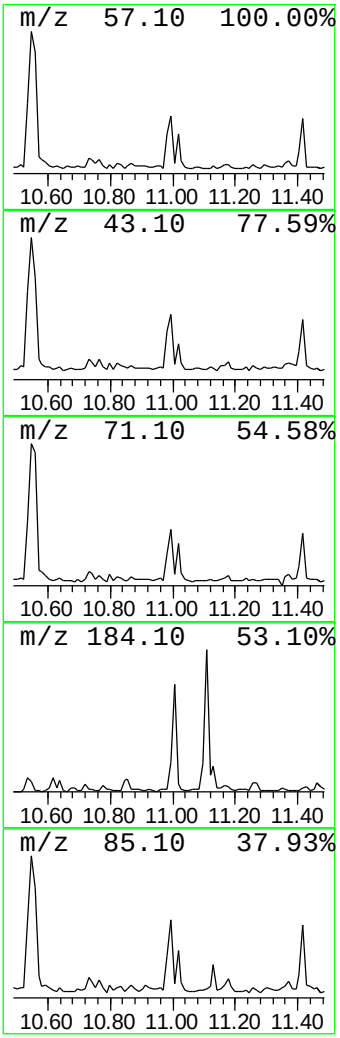
****

Peak Number 6 Tetradecane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.99	6.01 ng	375996	Phenanthrene-d10	11.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	50
2	Tetradecane, 2-methyl-	212	C15H32	001560-95-8	50
3	Pentadecane	212	C15H32	000629-62-9	50
4	Eicosane	282	C20H42	000112-95-8	49
5	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	46





Data Path : Z:\HPCHEM1\BNA F\DATA\BF051716\
Data File : BF087138.D
Acq On : 18 May 2016 8:33
Operator : UM/SJ
Sample : H2994-07
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CH-STA-1767-00(0-2)RE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

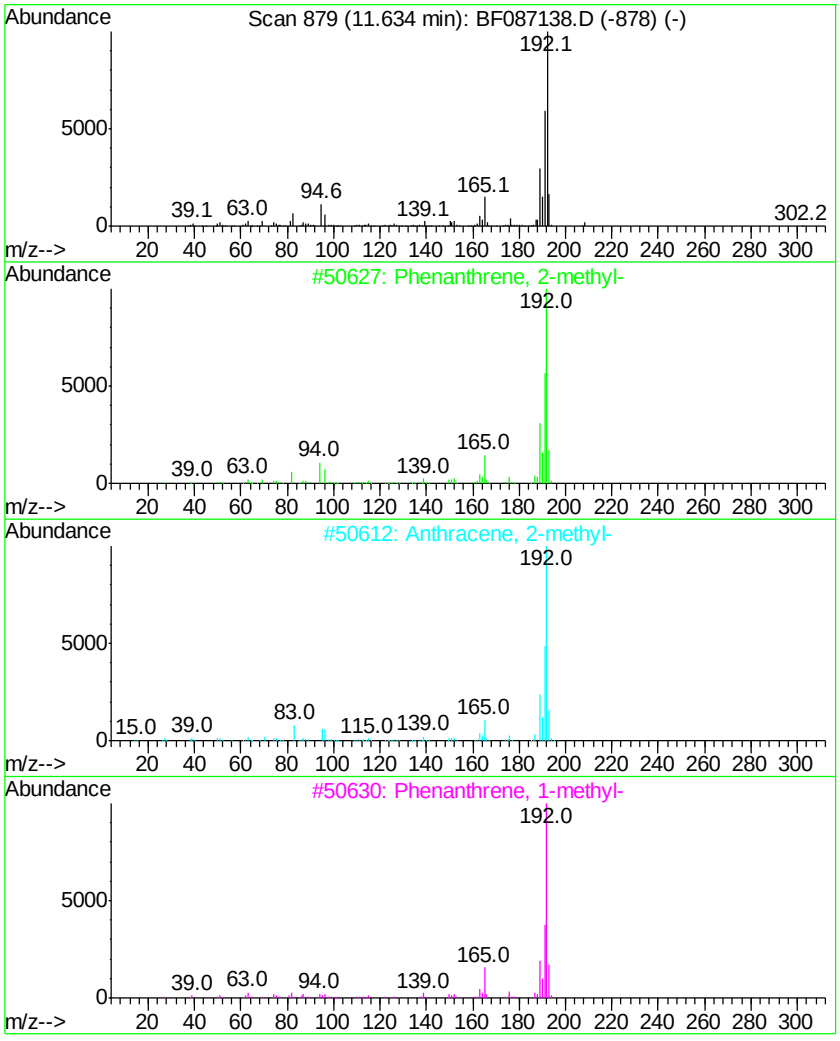
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

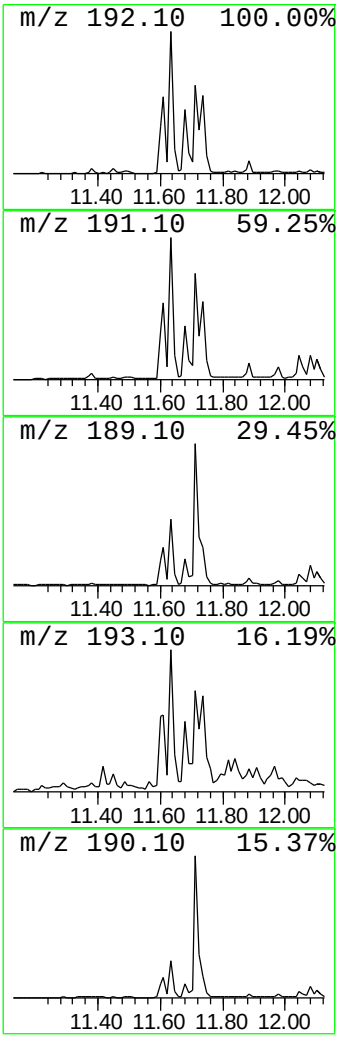
****

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.63	7.52 ng	469875	Phenanthrene-d10	11.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





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Acq On : 18 May 2016 8:33
Operator : UM/SJ
Sample : H2994-07
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CH-STA-1767-00(0-2)RE

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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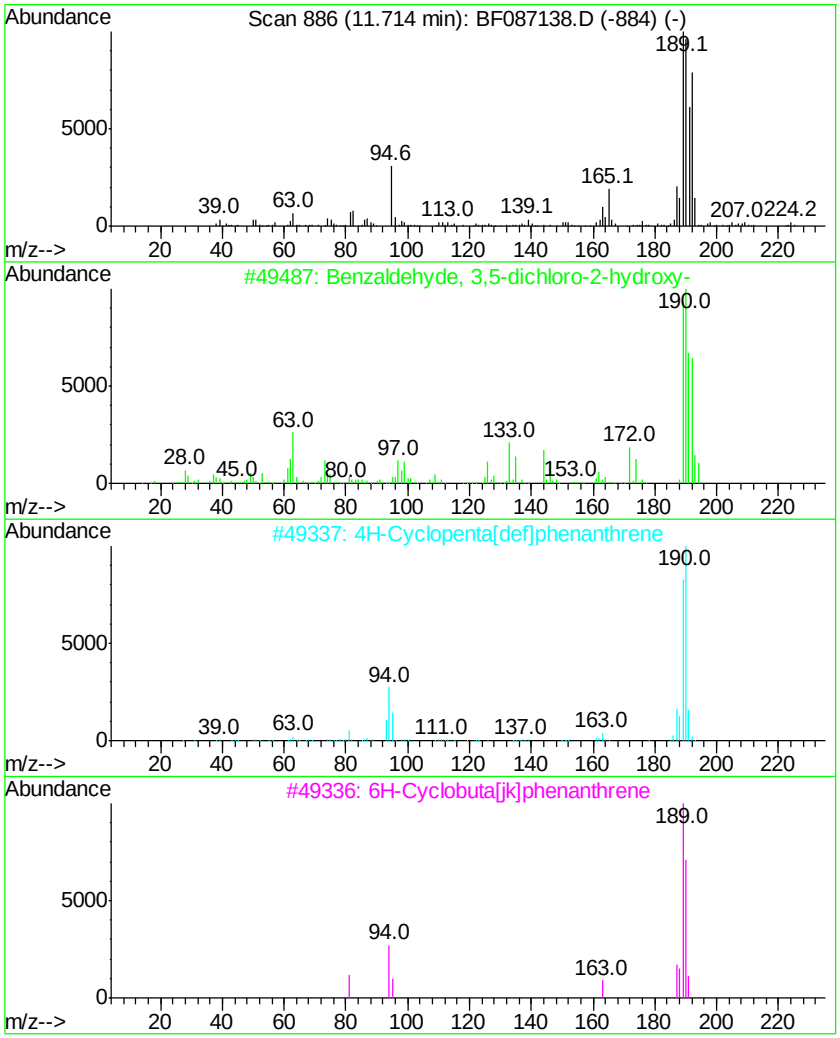
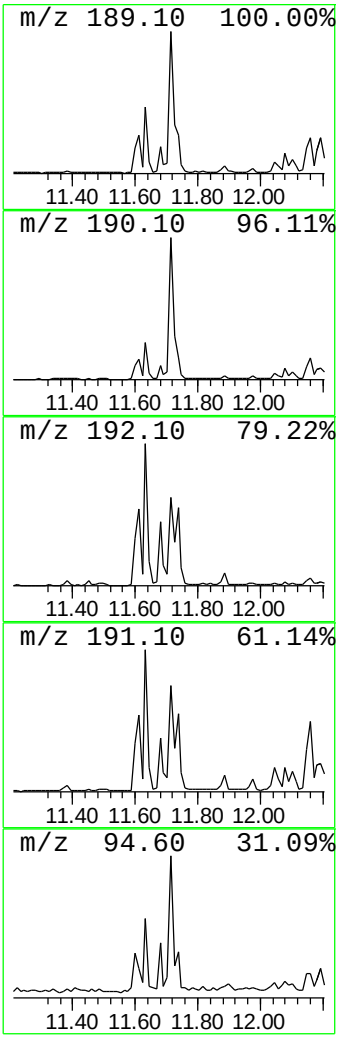
Peak Number 8 Benzaldehyde, 3,5-dichloro-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.71	14.51 ng	907041	Phenanthrene-d10	11.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	64
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
4	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	46
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	46





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Operator : UM/SJ
Sample : H2994-07
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CH-STA-1767-00(0-2)RE

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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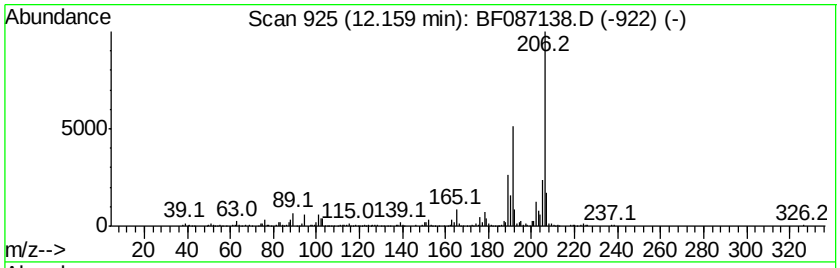
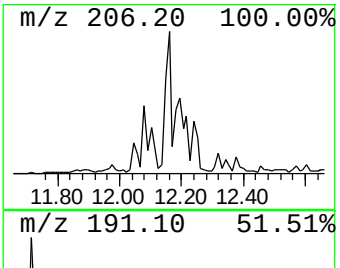
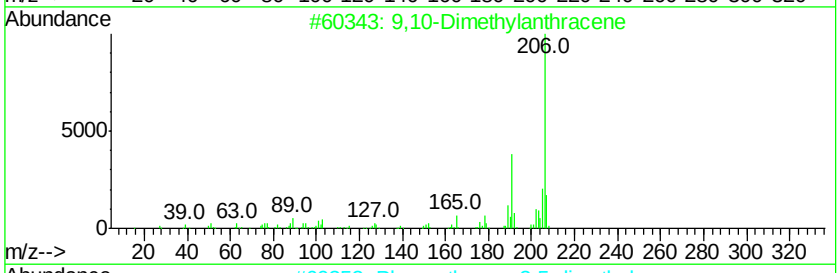
Peak Number 9 9,10-Dimethylanthracene Concentration Rank 13

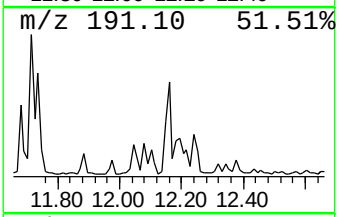
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	7.77 ng	485626	Phenanthrene-d10	11.11

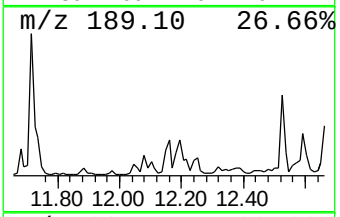
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
3	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	91

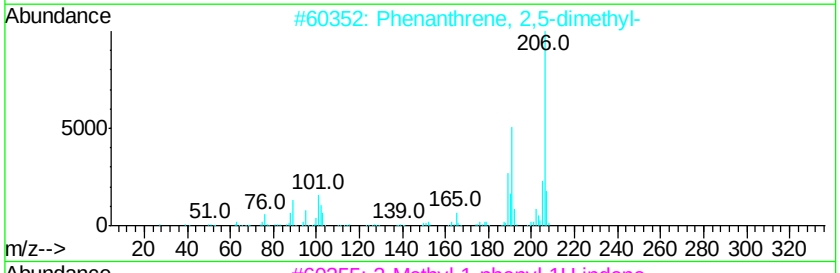


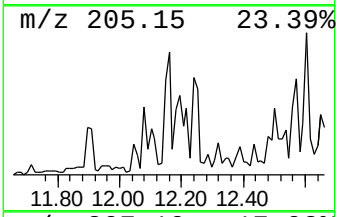


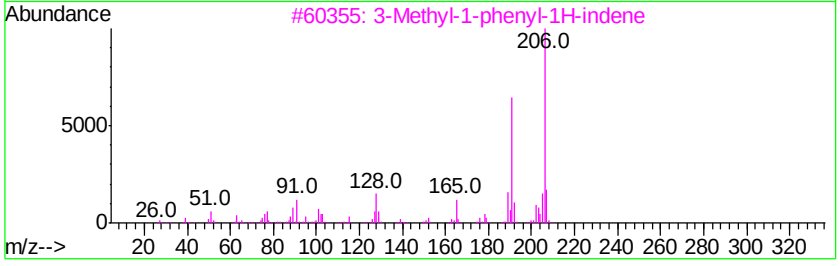


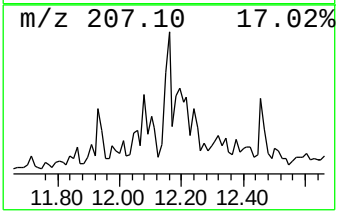












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Data File : BF087138.D
Acq On : 18 May 2016 8:33
Operator : UM/SJ
Sample : H2994-07
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CH-STA-1767-00(0-2)RE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.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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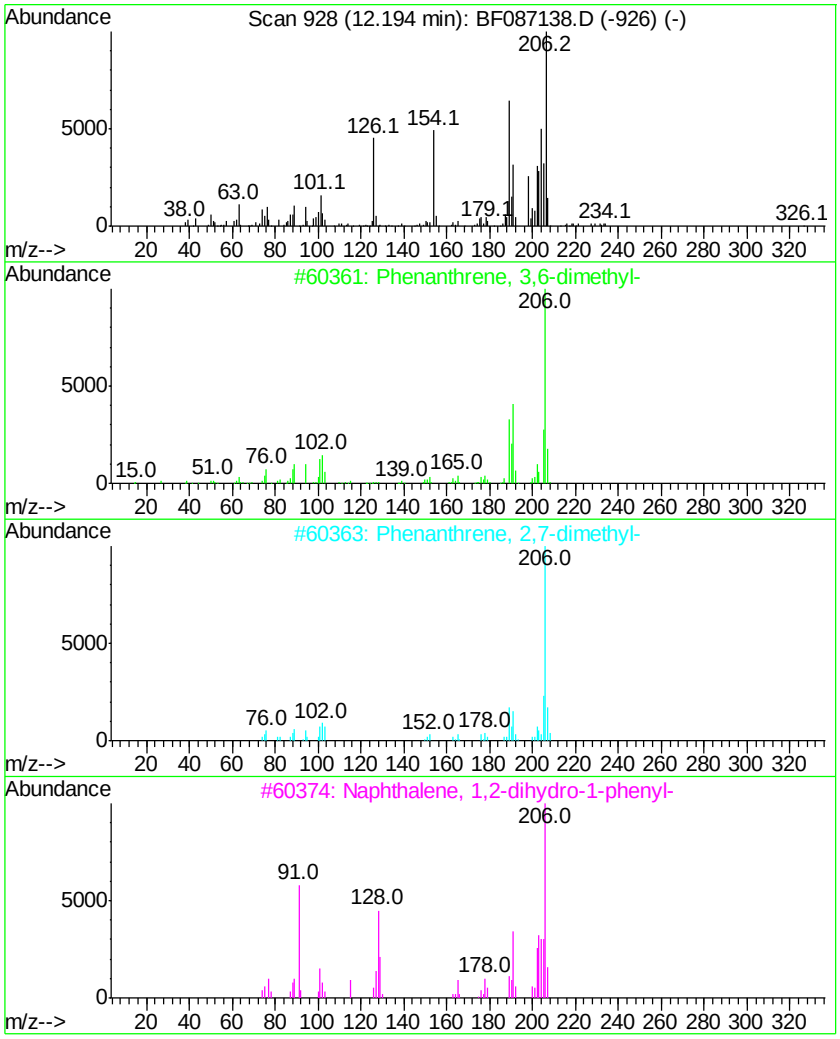
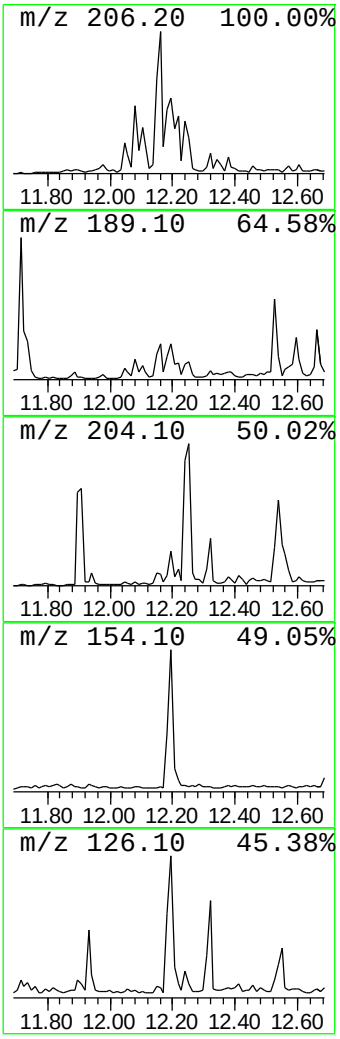
Peak Number 10 Phenanthrene, 3,6-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	8.02 ng	501297	Phenanthrene-d10	11.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	50
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	41
3	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	38
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	38
5	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	35





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Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CH-STA-1767-00(0-2)RE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.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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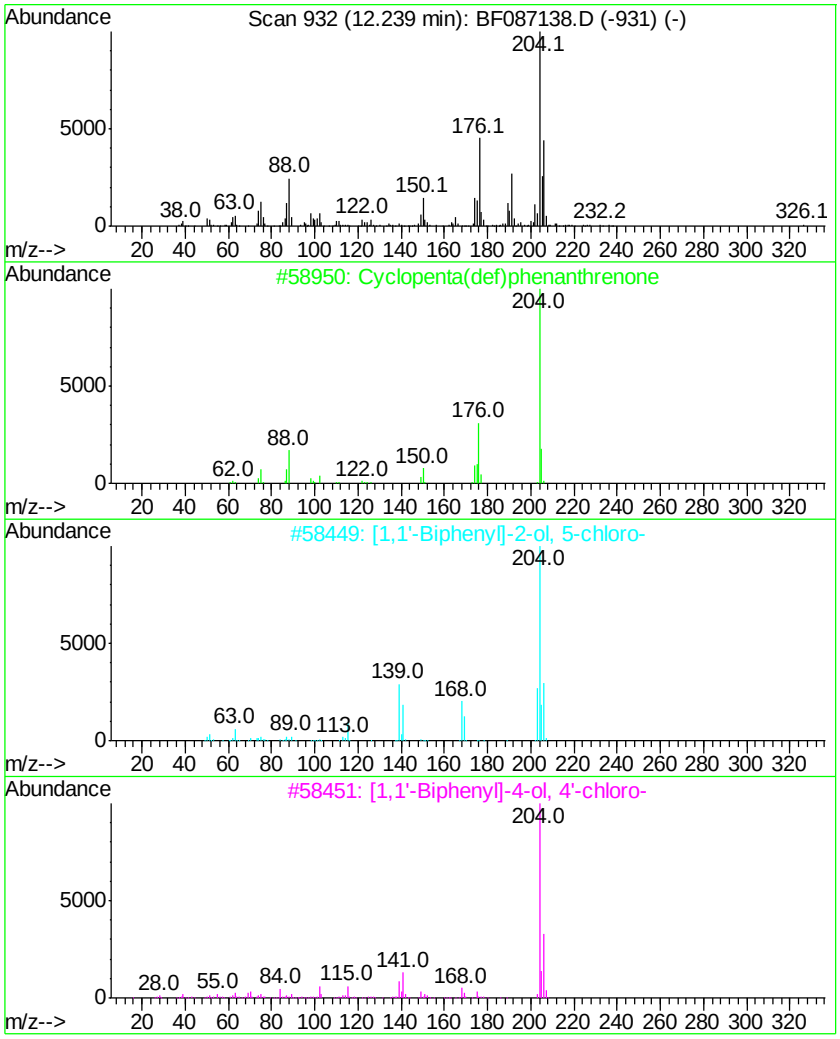
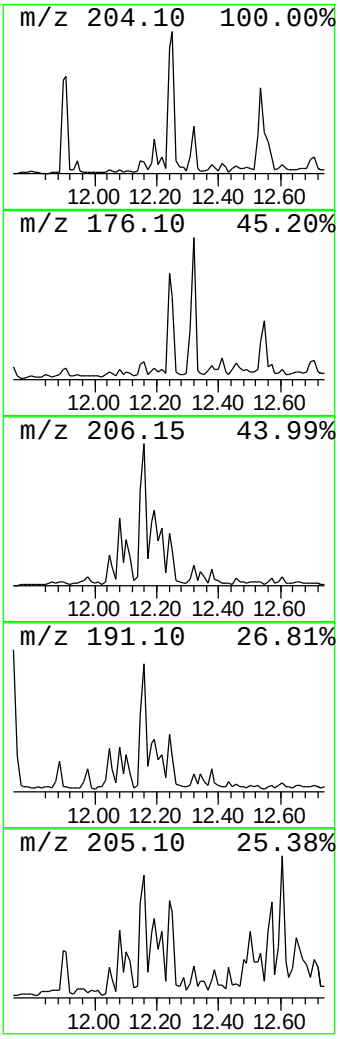
Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.24	6.18 ng	386490	Phenanthrene-d10	11.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	92
2	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	46
3	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	43
4	5-(4-Ethoxy-phenyl)-2H-pyrazol-3-ol	204	C11H12N2O2	1000278-26-8	43
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43





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Misc :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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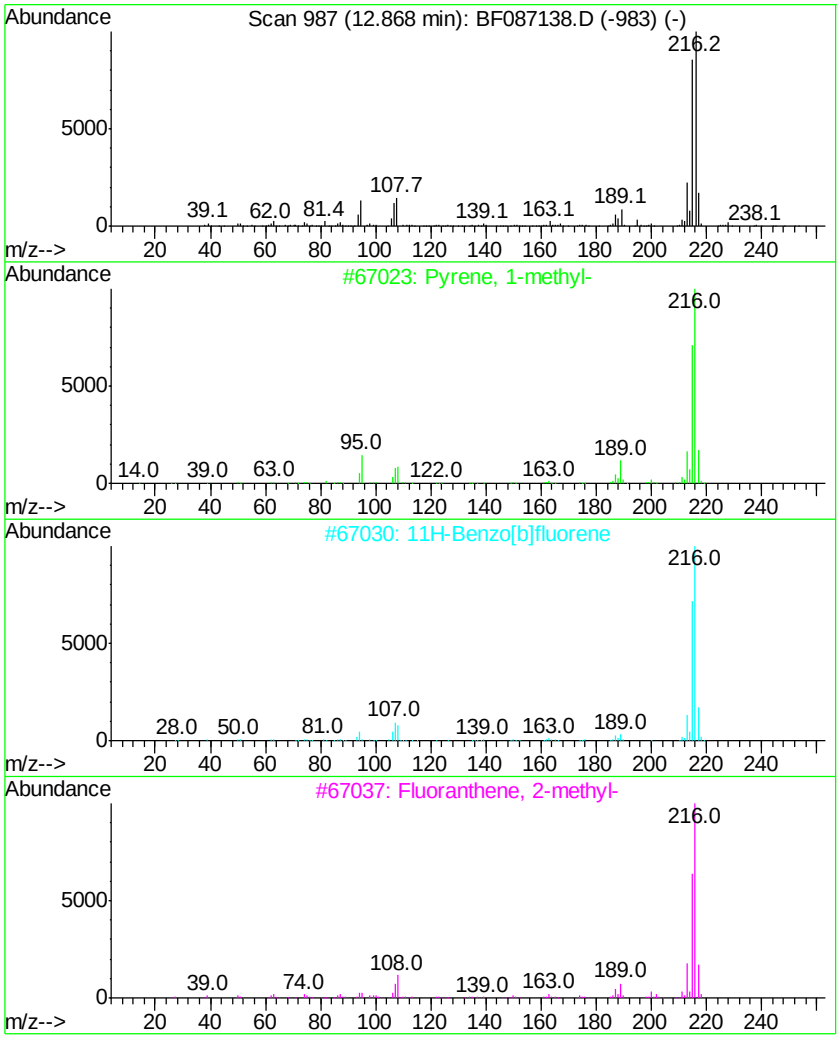
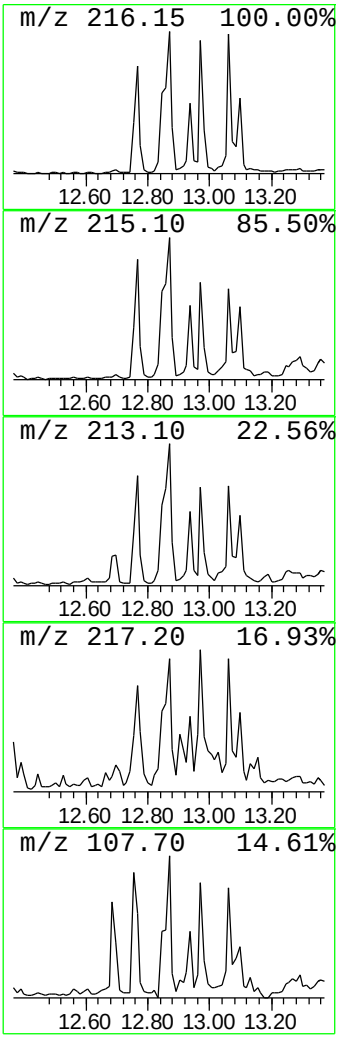
Peak Number 12 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	6.26 ng	1077850	Chrysene-d12	13.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	70





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Sample : H2994-07
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument :
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CH-STA-1767-00(0-2)RE

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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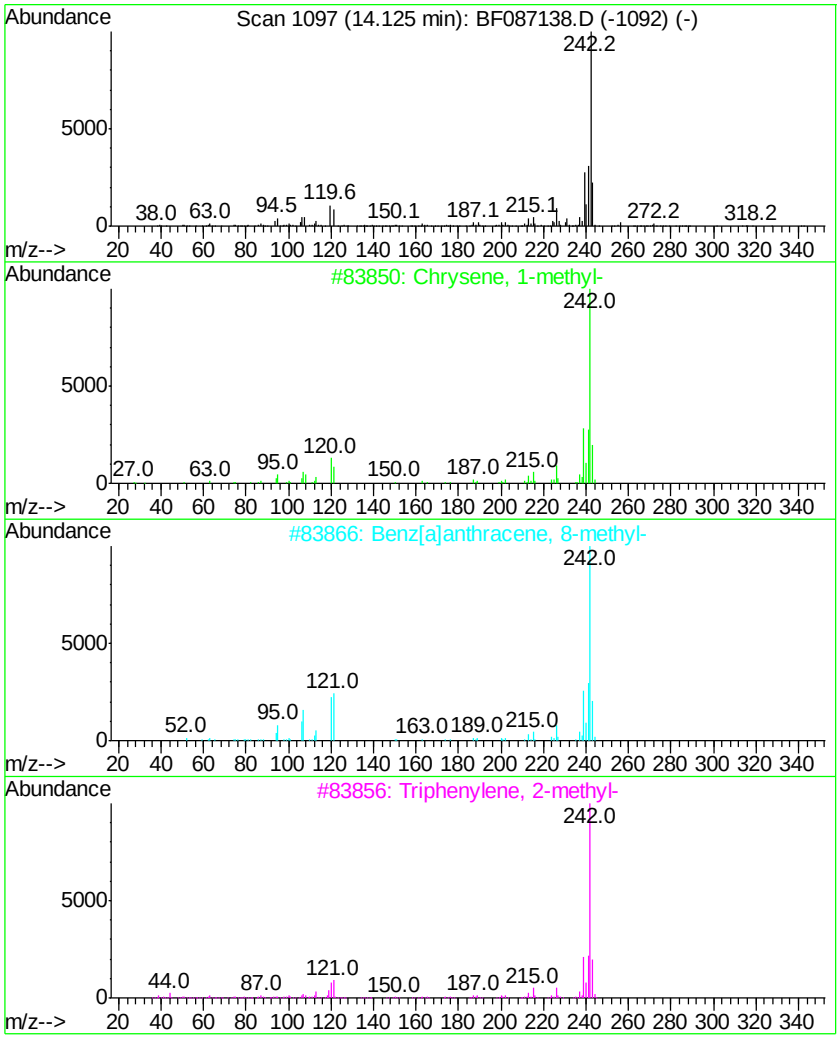
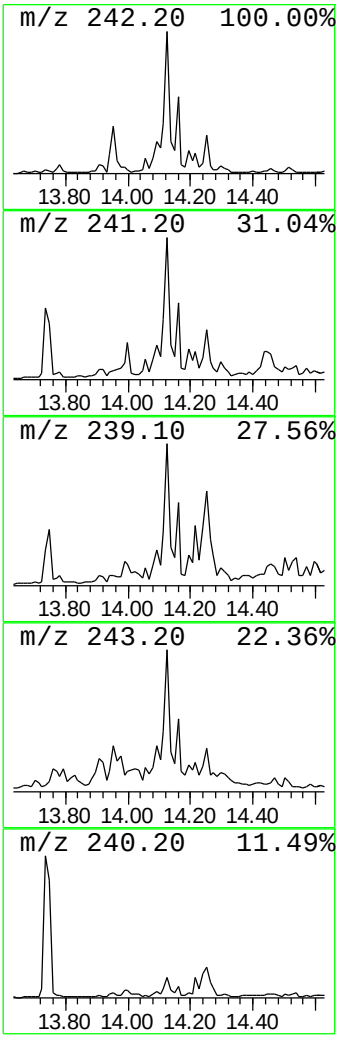
Peak Number 13 Chrysene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.13	6.69 ng	1152330	Chrysene-d12	13.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93
2	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	90
3	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	90
4	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	90
5	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	89





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ClientSampleId : CH-STA-1767-00(0-2)RE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
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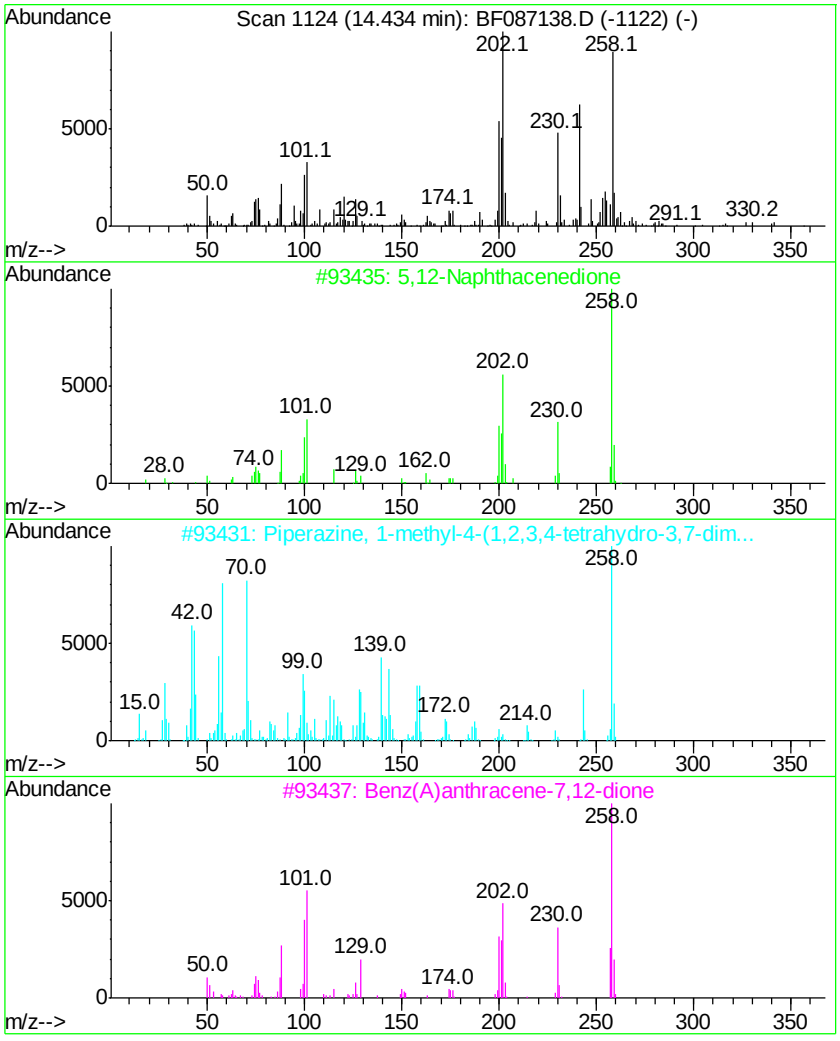
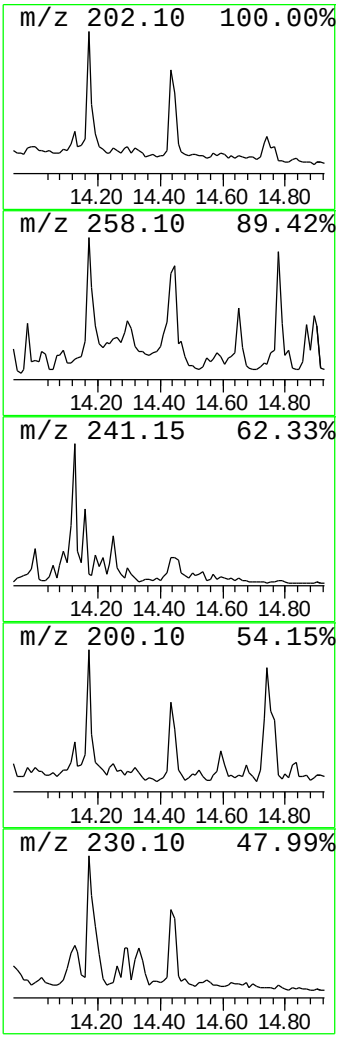
Peak Number 14 5,12-Naphthacenedione Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.43	9.11 ng	396140	Perylene-d12	15.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	93
2	Piperazine, 1-methyl-4-(1,2,3,4-...	258	C17H26N2	055591-14-5	90
3	Benz(A)anthracene-7,12-dione	258	C18H10O2	002498-66-0	86
4	Pyrene	202	C16H10	000129-00-0	81
5	Fluoranthene	202	C16H10	000206-44-0	74





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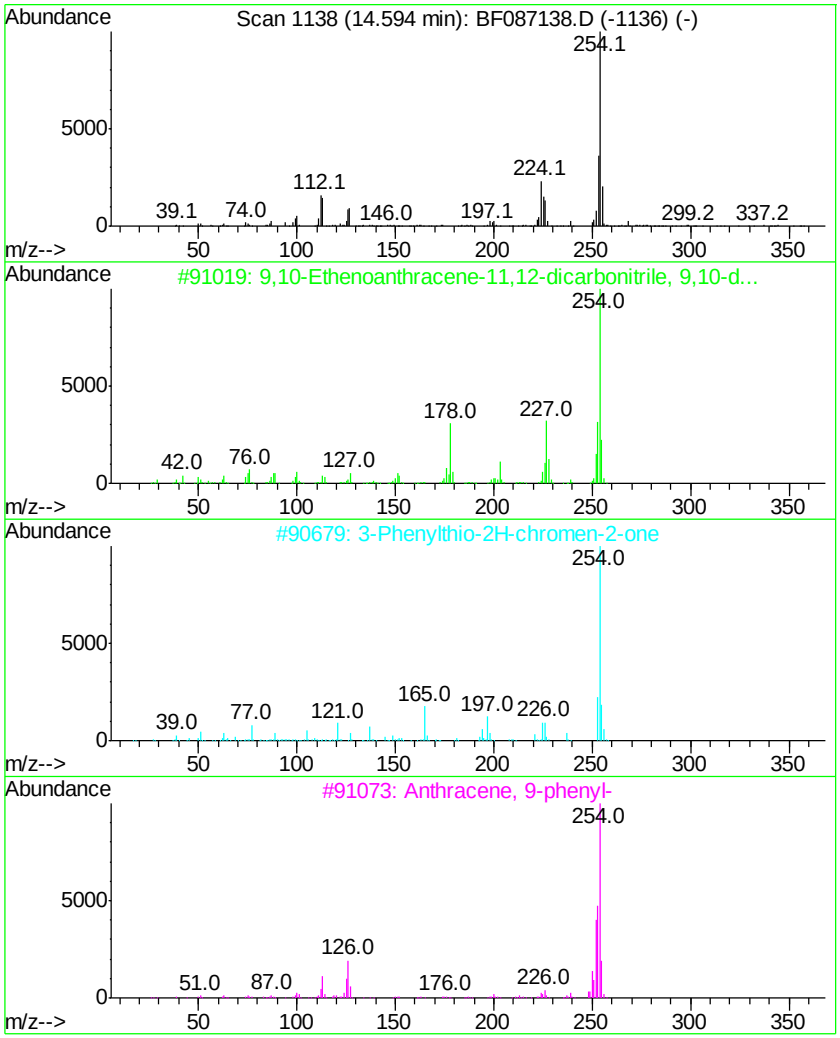
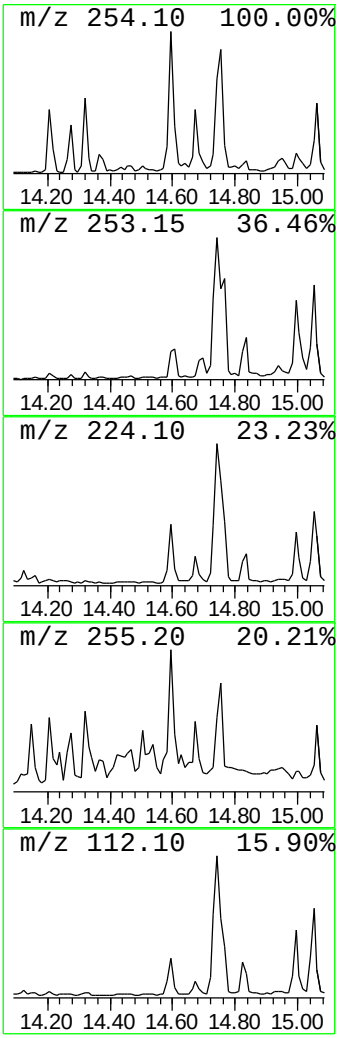
Peak Number 15 9,10-Ethenoanthracene-11,12... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.59	8.07 ng	350836	Perylene-d12	15.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Ethenoanthracene-11,12-dica...	254	C18H10N2	019067-49-3	72
2	3-Phenylthio-2H-chromen-2-one	254	C15H10O2S	072167-95-4	64
3	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	64
4	2-Hydroxy-4-methyl-5-(p-tolylazo...	254	C15H14N2O2	066777-90-0	59
5	2,6-(Etheno[1,4]benzenoetheno)na...	254	C20H14	117054-70-3	53





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TIC Library : C:\DATABASE\NIST02.L
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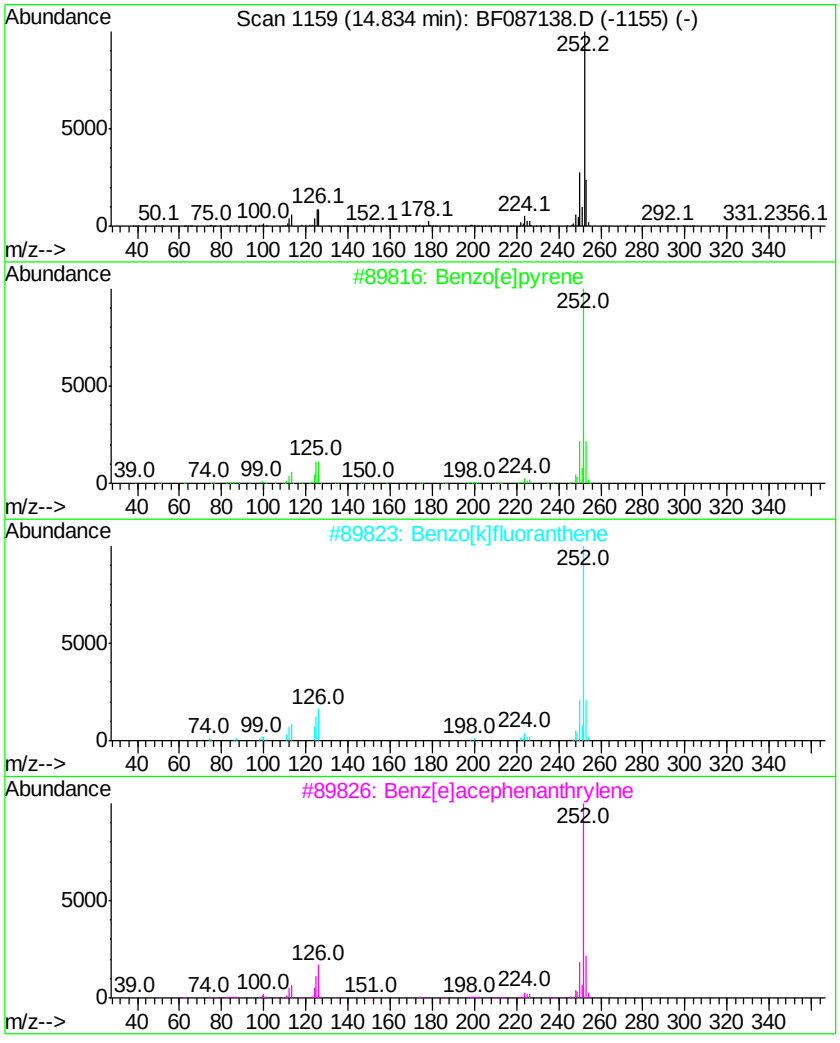
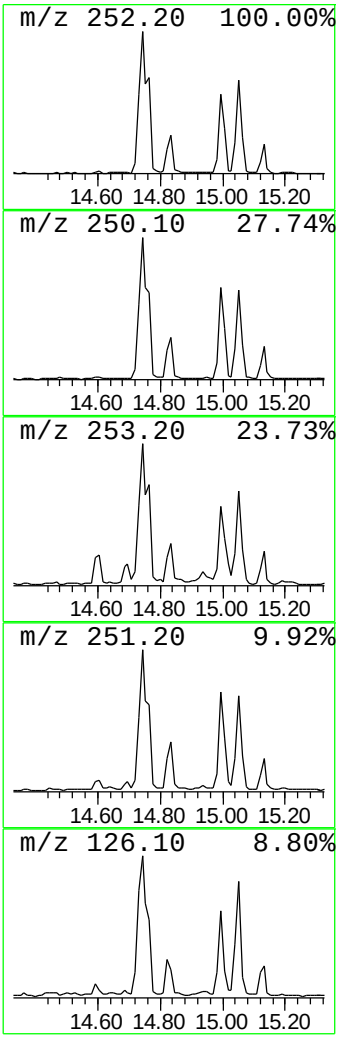
Peak Number 16 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.83	16.97 ng	737588	Perylene-d12	15.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Perylene	252	C20H12	000198-55-0	81





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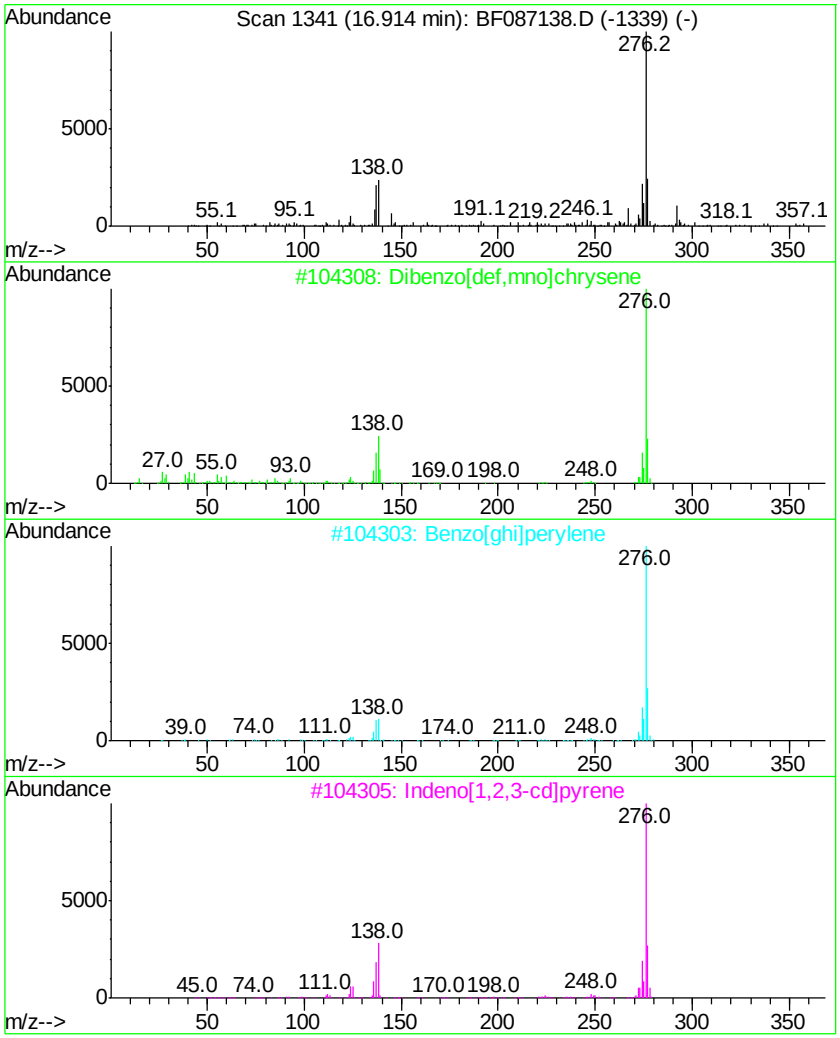
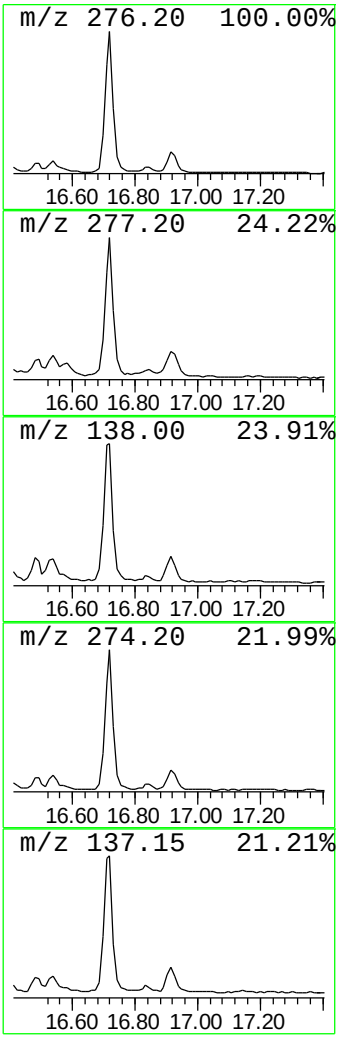
Peak Number 19 Dibenzo[def,mno]chrysene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.91	6.60 ng	287058	Perylene-d12	15.11

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	90
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	70
5	6H-Pyrido[4,3-b]carbazole, 9-met...	276	C18H16N2O	010371-86-5	46





Data Path : Z:\HPCHEM1\BNA F\DATA\BF051716\
Data File : BF087138.D
Acq On : 18 May 2016 8:33
Operator : UM/SJ
Sample : H2994-07
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CH-STA-1767-00(0-2)RE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

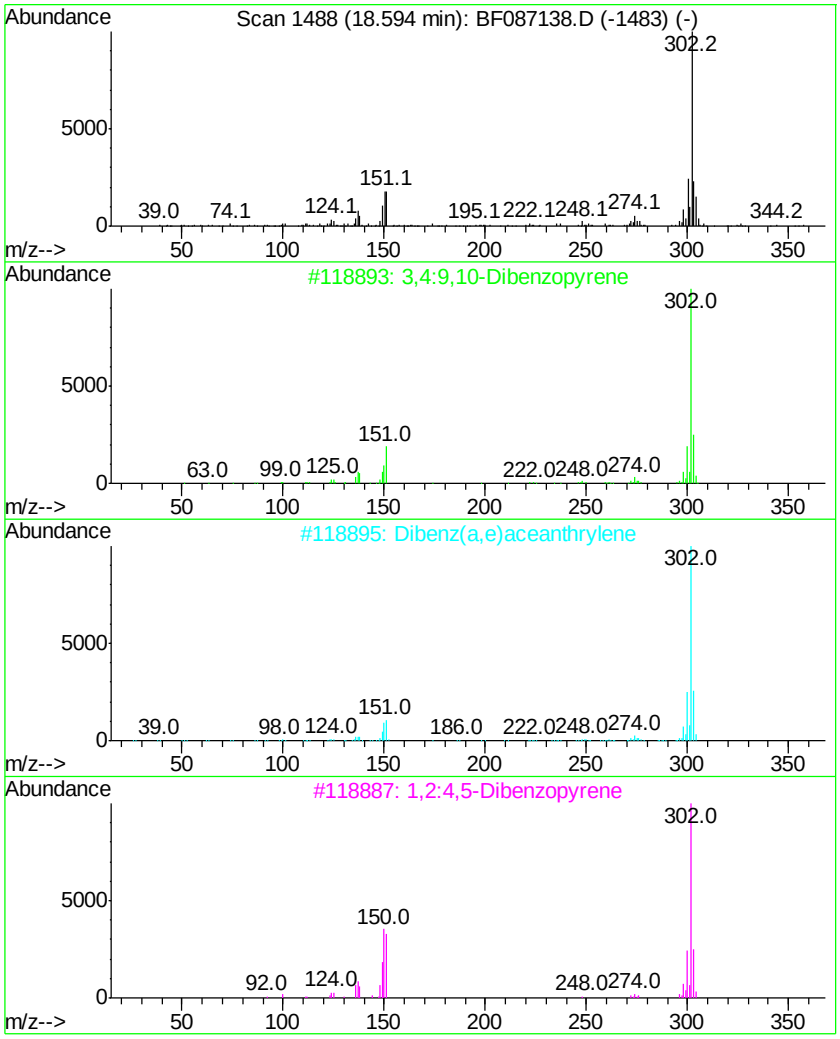
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

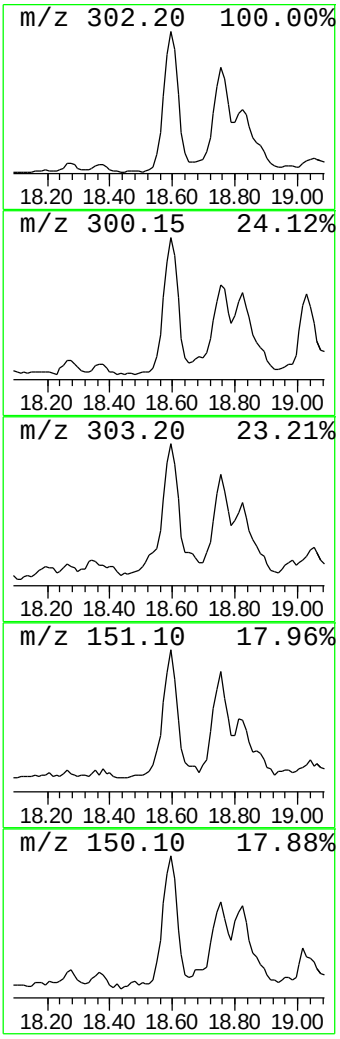
****

Peak Number 20 3,4:9,10-Dibenzopyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.59	8.95 ng	389253	Perylene-d12	15.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	98
2	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	97
3	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	95
4	Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	93
5	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051716\
Data File : BF087138.D
Acq On : 18 May 2016 8:33
Operator : UM/SJ
Sample : H2994-07
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CH-STA-1767-00(0-2)RE

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051716.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...	4.72	7.8	ng	382766	1	6.59	976966	20.0
unknown6.36	6.36	65.4	ng	3194120	1	6.59	976966	20.0
Tridecane	10.55	8.1	ng	507493	4	11.11	1250480	20.0
Tetradecane	10.99	6.0	ng	375996	4	11.11	1250480	20.0
Phenanthrene, 2-m...	11.63	7.5	ng	469875	4	11.11	1250480	20.0
Benzaldehyde, 3,5...	11.71	14.5	ng	907041	4	11.11	1250480	20.0
9,10-Dimethylanth...	12.16	7.8	ng	485626	4	11.11	1250480	20.0
Phenanthrene, 3,6...	12.19	8.0	ng	501297	4	11.11	1250480	20.0
Cyclopenta(def)ph...	12.24	6.2	ng	386490	4	11.11	1250480	20.0
Pyrene, 1-methyl-	12.87	6.3	ng	1077850	5	13.74	3442640	20.0
Chrysene, 1-methyl-	14.13	6.7	ng	1152330	5	13.74	3442640	20.0
5,12-Naphthacened...	14.43	9.1	ng	396140	6	15.11	869418	20.0
9,10-Ethenoanthra...	14.59	8.1	ng	350836	6	15.11	869418	20.0
Benzo[e]pyrene	14.83	17.0	ng	737588	6	15.11	869418	20.0
Dibenzo[def,mno]c...	16.91	6.6	ng	287058	6	15.11	869418	20.0
3,4:9,10-Dibenzop...	18.59	8.9	ng	389253	6	15.11	869418	20.0