LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081511.D
Acq On : 6 Sep 2015 15:49
Operator : UM/IZ
Sample : G3472-02
Misc :
ALS Vial : 86 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB002

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-BF090115.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	4.387	243	245	257	rVB	387836	681222	30.77%	2.056%
2	4.901	288	290	299	rBV	1159535	1198506	54.13%	3.618%
3	6.033	386	389	391	rBV	1116618	1352323	61.08%	4.082%
4	6.124	395	397	399	rBV	1429446	1221294	55.16%	3.686%
5	6.353	415	417	420	rVB	354452	318635	14.39%	0.962%
6	6.513	429	431	433	rBV	1121041	956725	43.21%	2.888%
7	6.936	465	468	470	rBV	899596	848725	38.33%	2.562%
8	7.644	528	530	534	rVB2	467386	538110	24.30%	1.624%
9	8.365	591	593	595	rVB	37392	51044	2.31%	0.154%
10	8.456	595	601	603	rBV2	72402	93981	4.24%	0.284%
11	8.730	623	625	627	rVB	1511345	1252839	56.59%	3.782%
12	9.050	652	653	655	rVV	46169	59963	2.71%	0.181%
13	9.130	658	660	662	rVV	262409	271634	12.27%	0.820%
14	9.165	662	663	666	rVB2	26923	34650	1.57%	0.105%
15	9.245	668	670	672	rBV	118692	107412	4.85%	0.324%
16	9.382	681	682	684	rVV	336725	399438	18.04%	1.206%
17	9.416	684	685	688	rVB	257479	205933	9.30%	0.622%
18	9.588	698	700	703	rBV	147221	140027	6.32%	0.423%
19	9.930	728	730	732	rBV	215618	203046	9.17%	0.613%
20	10.090	742	744	748	rVB	59448	68799	3.11%	0.208%
21	10.170	748	751	753	rBV	797853	760001	34.33%	2.294%
22	10.319	763	764	767	rVB	40131	55530	2.51%	0.168%
23	10.468	774	777	779	rBV2	43167	69070	3.12%	0.208%
24	10.605	788	789	793	rVV3	34117	57138	2.58%	0.172%
25	10.662	793	794	797	rVB	115512	111284	5.03%	0.336%
26	10.719	797	799	800	rBV	31986	43816	1.98%	0.132%
27	10.742	800	801	805	rBV2	74919	124374	5.62%	0.375%
28	10.856	808	811	812	rBV	344928	568559	25.68%	1.716%
29	10.879	812	813	815	rVV	1598254	1372349	61.98%	4.142%
30	10.925	815	817	819	rVB	449435	433492	19.58%	1.308%
31	10.971	819	821	823	rVB	35149	41563	1.88%	0.125%
32	11.096	828	832	833	rBV2	183228	258064	11.66%	0.779%
33	11.153	836	837	838	rVV	41956	35329	1.60%	0.107%
34	11.188	838	840	843	rVB2	69578	78874	3.56%	0.238%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081511.D
Acq On : 6 Sep 2015 15:49
Operator : UM/IZ
Sample : G3472-02
Misc :
ALS Vial : 86 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB002

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-BF090115.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.256	843	846	848	rVB3	25161	48815	2.20%	0.147%
36	11.348	852	854	855	rBV	182369	191128	8.63%	0.577%
37	11.382	855	857	859	rVB	263384	255175	11.53%	0.770%
38	11.439	859	862	868	rBV4	453802	1074433	48.53%	3.243%
39	11.542	869	871	872	rBV	28653	45336	2.05%	0.137%
40	11.588	874	875	877	rVV2	23281	35719	1.61%	0.108%
41	11.645	879	880	881	rVV	129367	128923	5.82%	0.389%
42	11.668	881	882	884	rVB	119614	136573	6.17%	0.412%
43	11.793	890	893	894	rBV	53224	64151	2.90%	0.194%
44	11.828	894	896	900	rVB2	50569	78111	3.53%	0.236%
45	11.896	900	902	903	rBV	105077	115749	5.23%	0.349%
46	11.931	903	905	908	rVV3	74442	131242	5.93%	0.396%
47	11.976	908	909	913	rVB2	121883	150343	6.79%	0.454%
48	12.056	913	916	919	rBV	1653538	1998332	90.26%	6.032%
49	12.114	919	921	923	rBV2	73918	133495	6.03%	0.403%
50	12.205	926	929	933	rBV2	158608	365779	16.52%	1.104%
51	12.285	933	936	938	rVV	1463843	2214030	100.00%	6.683%
52	12.331	938	940	943	rVB2	66603	120560	5.45%	0.364%
53	12.399	943	946	947	rBV	123652	124300	5.61%	0.375%
54	12.434	947	949	952	rVB	841236	870534	39.32%	2.628%
55	12.502	952	955	956	rBV2	198271	237514	10.73%	0.717%
56	12.525	956	957	959	rVB	42810	41748	1.89%	0.126%
57	12.605	959	964	966	rVB3	214897	385424	17.41%	1.163%
58	12.674	966	970	971	rBV2	130160	185268	8.37%	0.559%
59	12.708	971	973	977	rVB2	210170	280448	12.67%	0.847%
60	12.788	979	980	982	rBV	54131	74388	3.36%	0.225%
61	12.822	982	983	989	rBV2	105740	123237	5.57%	0.372%
62	12.925	989	992	995	rVB3	86120	121160	5.47%	0.366%
63	13.005	995	999	1000	rBV3	90753	185427	8.38%	0.560%
64	13.108	1005	1008	1010	rBV	192611	195434	8.83%	0.590%
65	13.211	1015	1017	1018	rBV	189357	187241	8.46%	0.565%
66	13.245	1018	1020	1025	rVB3	114314	349680	15.79%	1.056%
67	13.314	1025	1026	1028	rVB	165668	174178	7.87%	0.526%
68	13.371	1028	1031	1034	rBV2	135638	272285	12.30%	0.822%
69	13.462	1035	1039	1041	rBV2	972245	1749524	79.02%	5.281%
70	13.497	1041	1042	1044	rVV	899825	675064	30.49%	2.038%
71	13.565	1045	1048	1050	rBV	154792	168117	7.59%	0.507%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081511.D
Acq On : 6 Sep 2015 15:49
Operator : UM/IZ
Sample : G3472-02
Misc :
ALS Vial : 86 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB002

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-BF090115.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.611	1050	1052	1053	rBV	38347	38992	1.76%	0.118%
73	13.668	1055	1057	1058	rBV2	53460	65559	2.96%	0.198%
74	13.817	1068	1070	1071	rBV	79706	100804	4.55%	0.304%
75	13.851	1071	1073	1075	rVV	179258	214267	9.68%	0.647%
76	13.885	1075	1076	1078	rVV2	69818	67386	3.04%	0.203%
77	13.942	1079	1081	1082	rVV	65467	70177	3.17%	0.212%
78	13.988	1082	1085	1089	rVV5	88837	214609	9.69%	0.648%
79	14.159	1097	1100	1102	rBV3	60395	138061	6.24%	0.417%
80	14.262	1107	1109	1111	rBV3	33941	72024	3.25%	0.217%
81	14.308	1111	1113	1117	rVB2	46475	106100	4.79%	0.320%
82	14.457	1123	1126	1130	rBV	768652	1375287	62.12%	4.151%
83	14.537	1130	1133	1134	rVV2	139152	132689	5.99%	0.401%
84	14.685	1144	1146	1148	rBV	413472	437513	19.76%	1.321%
85	14.731	1148	1150	1152	rVB	499339	575986	26.02%	1.739%
86	14.777	1152	1154	1155	rBV	182570	183955	8.31%	0.555%
87	15.165	1186	1188	1189	rBV2	36001	39170	1.77%	0.118%
88	15.245	1193	1195	1197	rBV2	42960	44061	1.99%	0.133%
89	15.725	1234	1237	1240	rBV3	36380	103209	4.66%	0.312%
90	15.862	1245	1249	1252	rVB	217955	350782	15.84%	1.059%
91	15.977	1257	1259	1261	rBV	44945	82664	3.73%	0.250%
92	16.022	1261	1263	1265	rVV2	73280	121102	5.47%	0.366%
93	16.068	1265	1267	1273	rVB6	45094	91543	4.13%	0.276%
94	16.183	1273	1277	1283	rVB	159973	292331	13.20%	0.882%
95	16.354	1289	1292	1297	rVB2	49595	137805	6.22%	0.416%
96	16.777	1326	1329	1332	rVB3	31486	65369	2.95%	0.197%
97	17.794	1414	1418	1423	rVB	46598	135126	6.10%	0.408%
98	17.920	1426	1429	1433	rBV	20980	57570	2.60%	0.174%
99	18.663	1491	1494	1502	rVB3	24656	77158	3.48%	0.233%
100	18.788	1502	1505	1510	rBV2	13021	35400	1.60%	0.107%

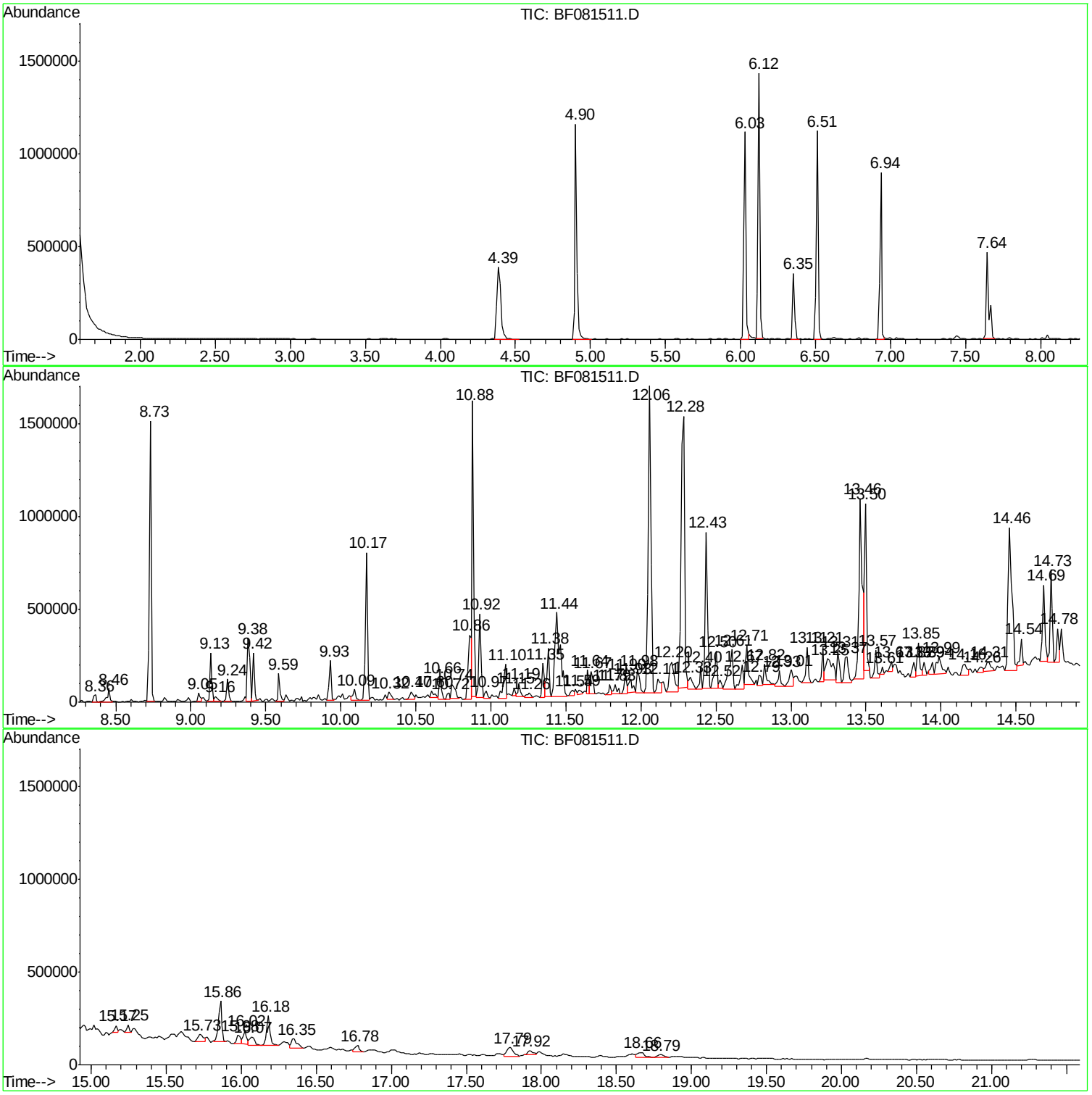
Sum of corrected areas: 33129313

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081511.D
Acq On : 6 Sep 2015 15:49
Operator : UM/IZ
Sample : G3472-02
Misc :
ALS Vial : 86 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB002

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081511.D
Acq On : 6 Sep 2015 15:49
Operator : UM/IZ
Sample : G3472-02
Misc :
ALS Vial : 86 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB002

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

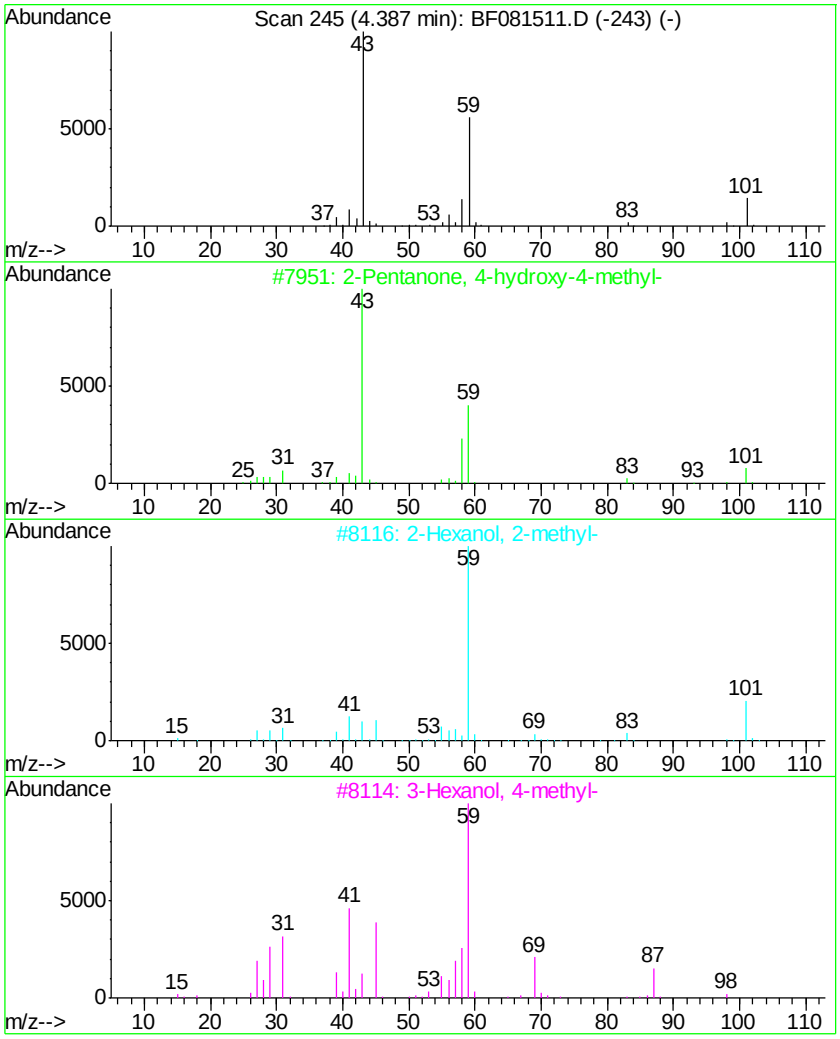
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

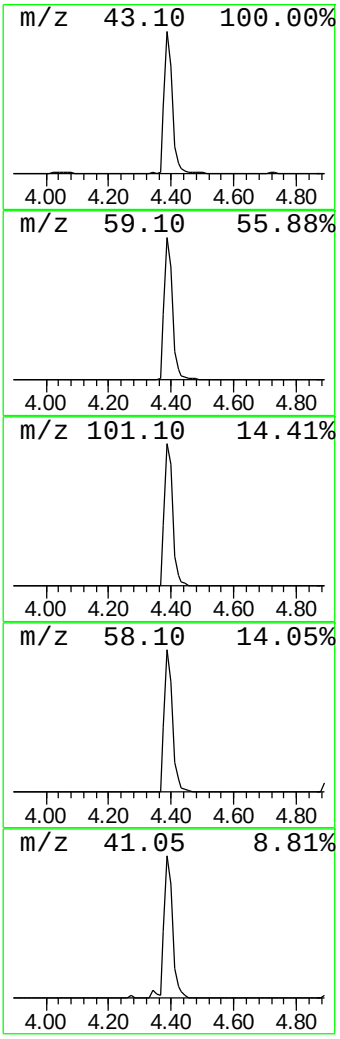
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.39	42.76 ng	681222	1,4-Dichlorobenzene-d4	6.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081511.D
Acq On : 6 Sep 2015 15:49
Operator : UM/IZ
Sample : G3472-02
Misc :
ALS Vial : 86 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB002

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

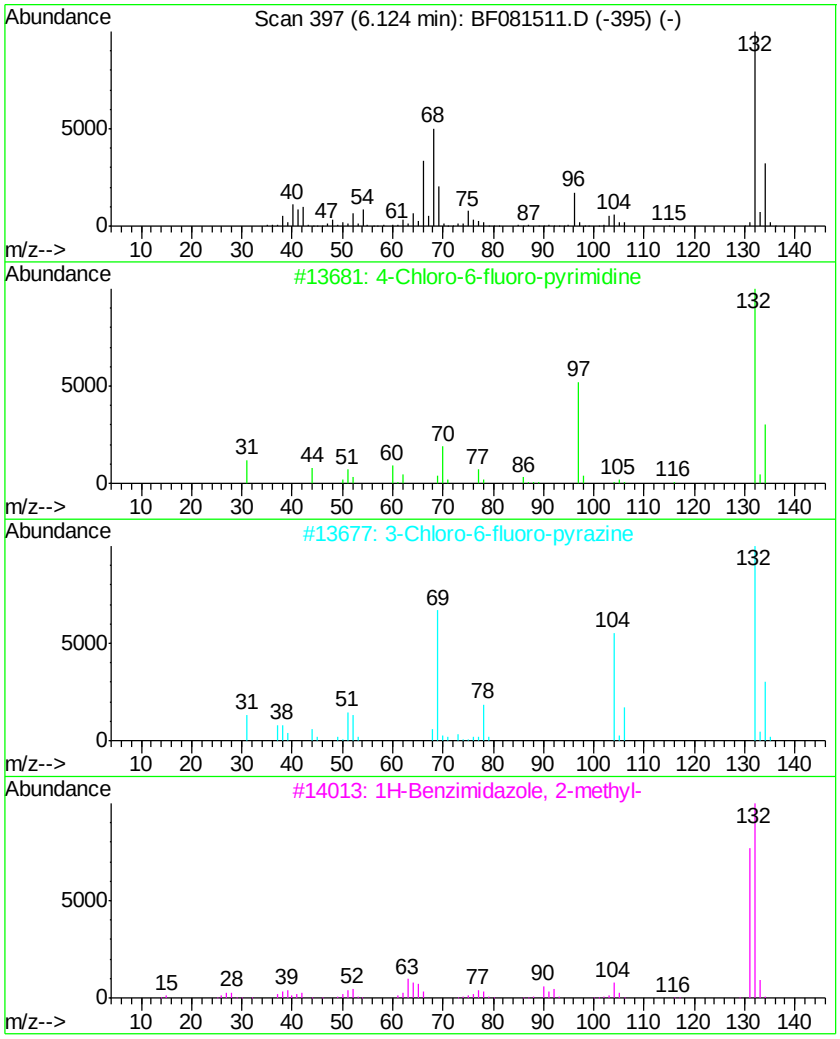
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

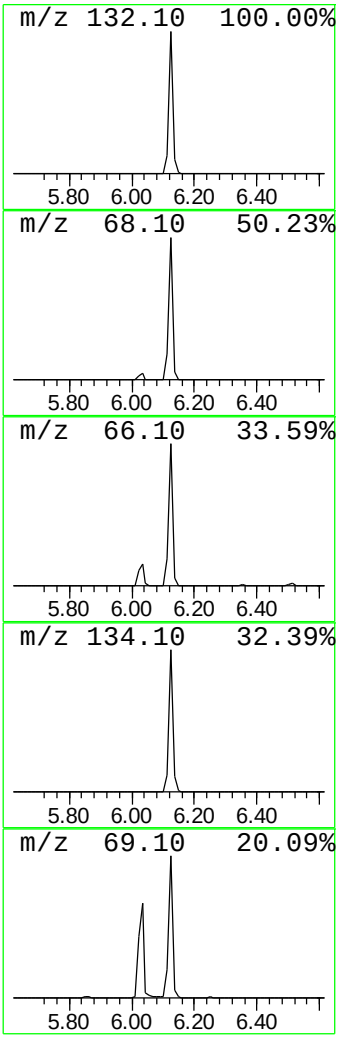
****

Peak Number 2 unknown6.12 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.12	76.66 ng	1221290	1,4-Dichlorobenzene-d4	6.35

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	12
5	2-Cyclohexen-1-one	96	C6H8O	000930-68-7	11





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081511.D
Acq On : 6 Sep 2015 15:49
Operator : UM/IZ
Sample : G3472-02
Misc :
ALS Vial : 86 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB002

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

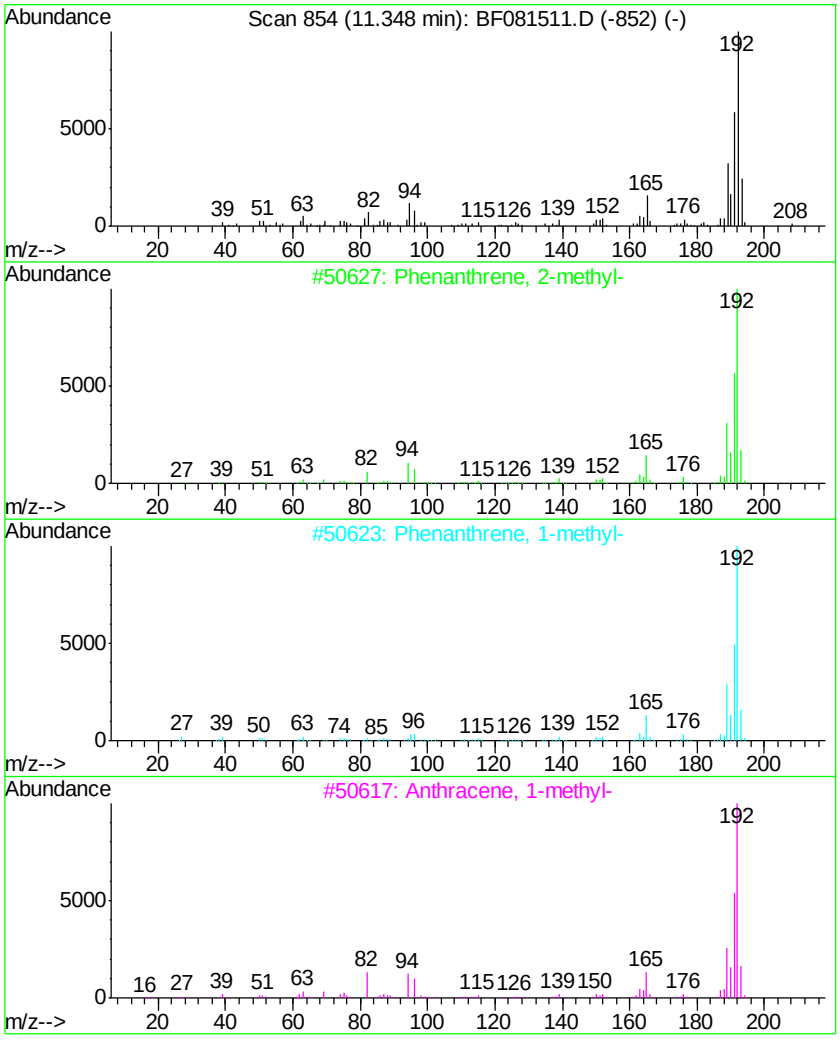
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

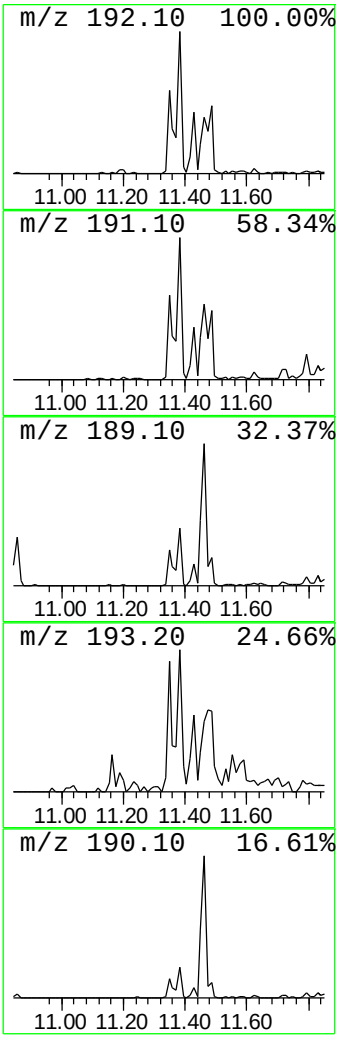
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.35	6.72 ng	191128	Phenanthrene-d10	10.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	81





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081511.D
Acq On : 6 Sep 2015 15:49
Operator : UM/IZ
Sample : G3472-02
Misc :
ALS Vial : 86 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB002

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

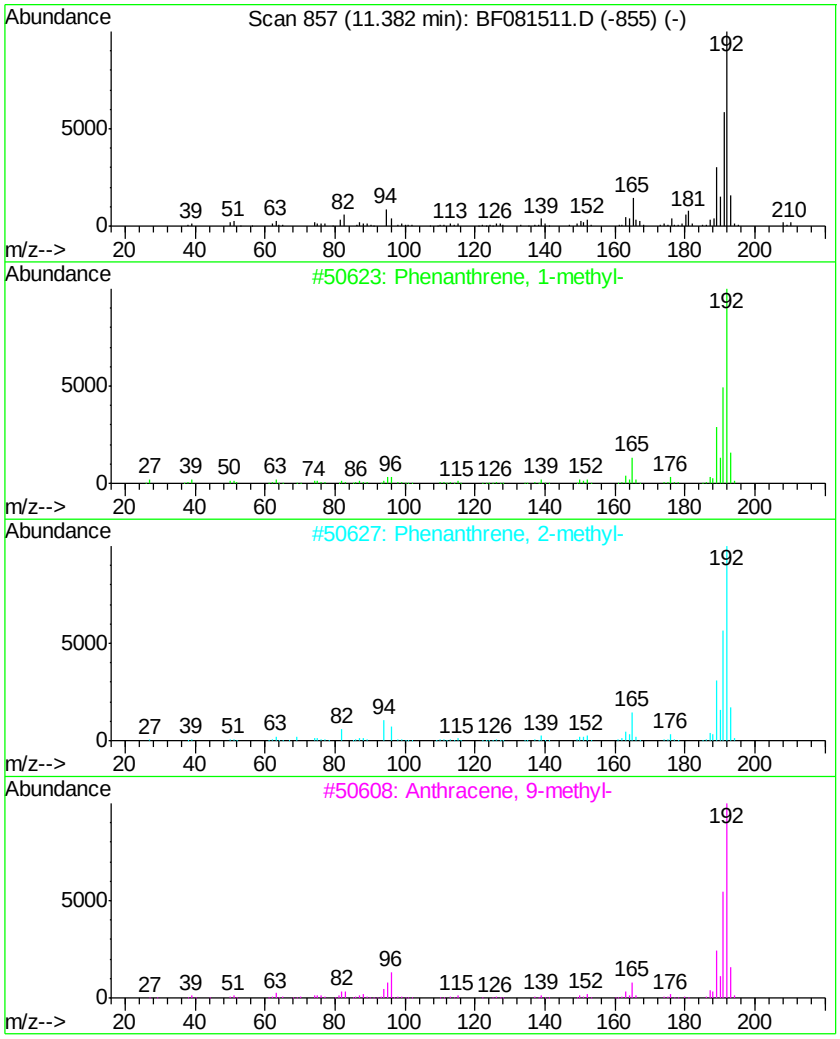
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

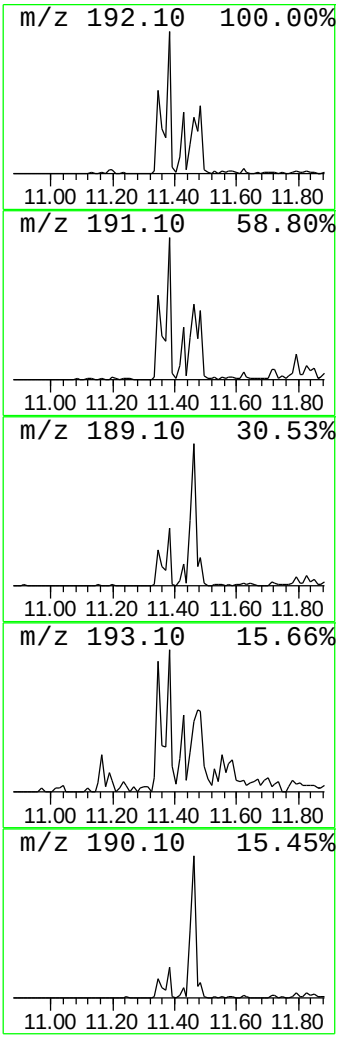
****

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.38	8.98 ng	255175	Phenanthrene-d10	10.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081511.D
Acq On : 6 Sep 2015 15:49
Operator : UM/IZ
Sample : G3472-02
Misc :
ALS Vial : 86 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB002

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

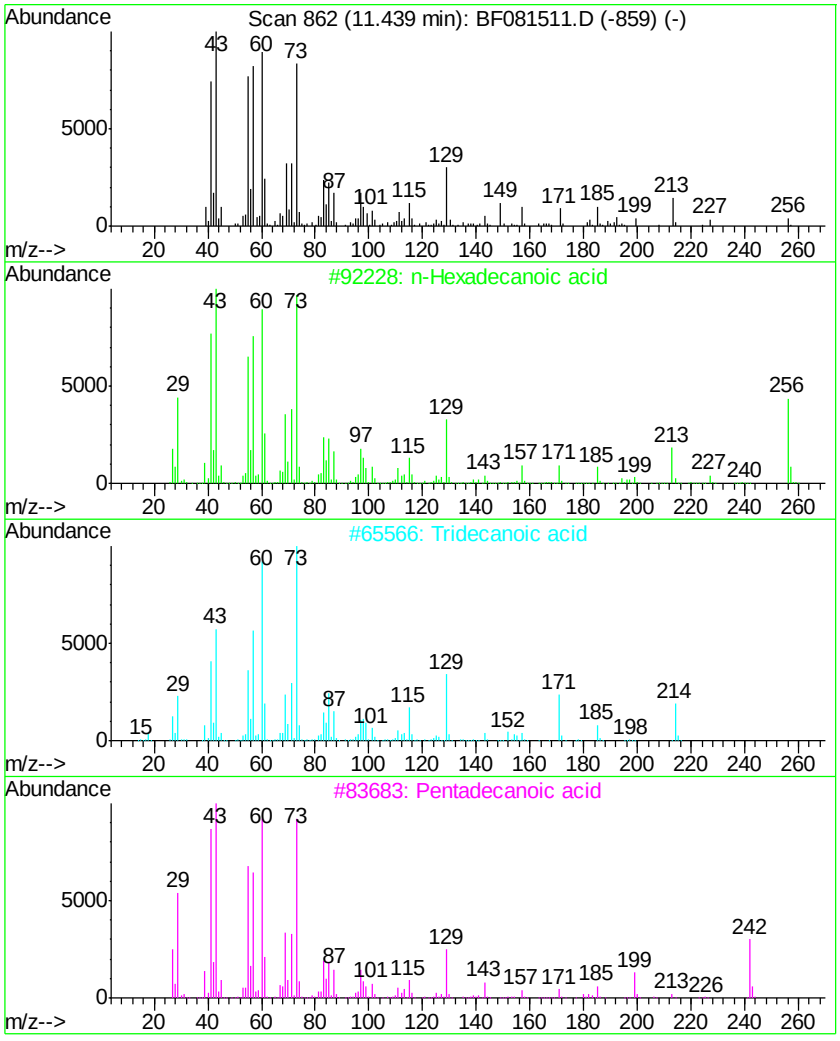
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

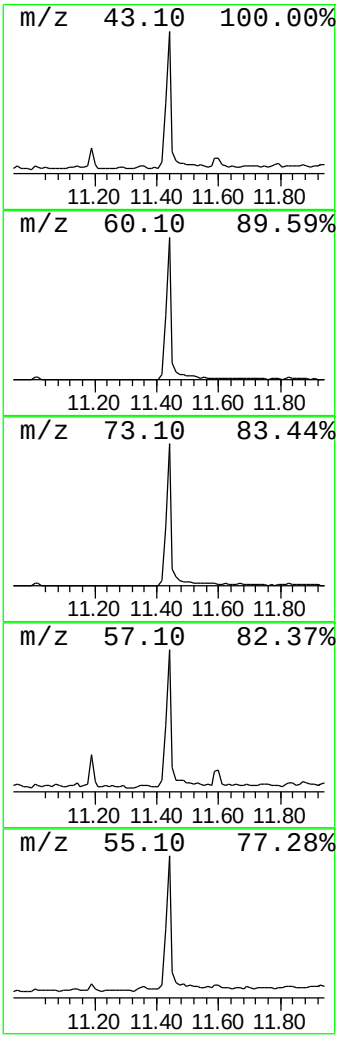
****

Peak Number 6 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.44	37.80 ng	1074430	Phenanthrene-d10	10.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	93
2	Tridecanoic acid	214	C13H26O2	000638-53-9	72
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	64
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	59
5	Undecanoic acid	186	C11H22O2	000112-37-8	59





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090515\
Data File : BF081511.D
Acq On : 6 Sep 2015 15:49
Operator : UM/IZ
Sample : G3472-02
Misc :
ALS Vial : 86 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB002

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.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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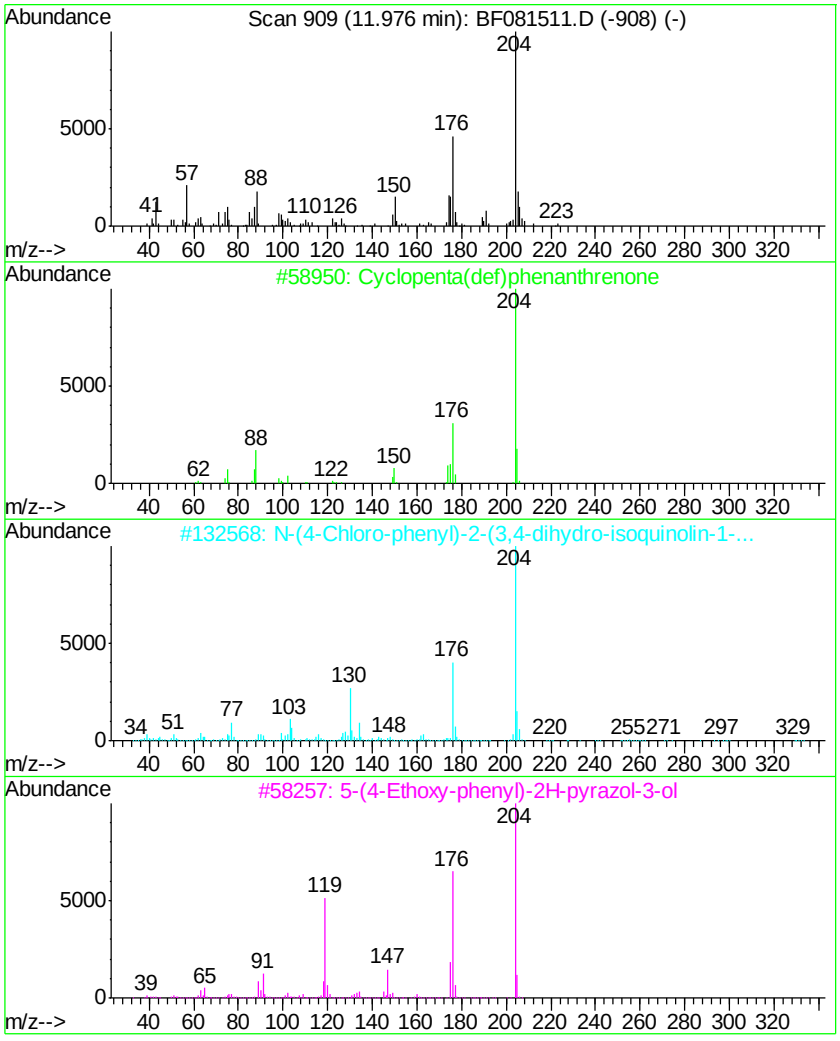
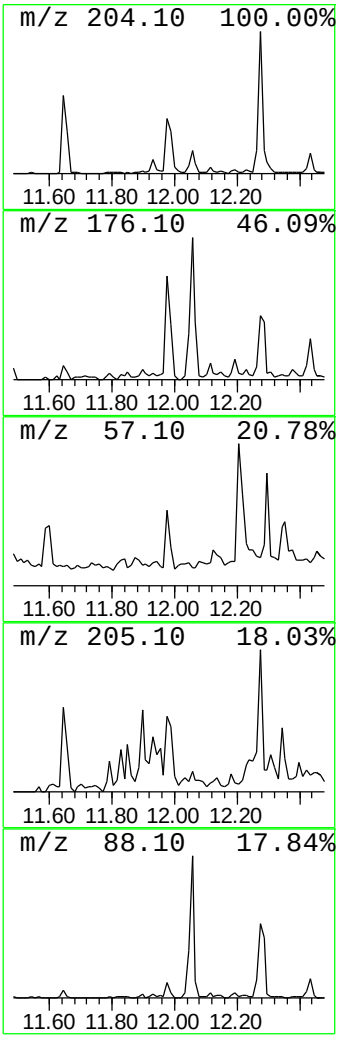
Peak Number 7 Cyclopenta(def)phenanthrenone Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	5.29 ng	150343	Phenanthrene-d10	10.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	91
2	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	59
3	5-(4-Ethoxy-phenyl)-2H-pyrazol-3-ol	204	C11H12N2O2	1000278-26-8	53
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	50
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47





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Data File : BF081511.D
Acq On : 6 Sep 2015 15:49
Operator : UM/IZ
Sample : G3472-02
Misc :
ALS Vial : 86 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB002

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.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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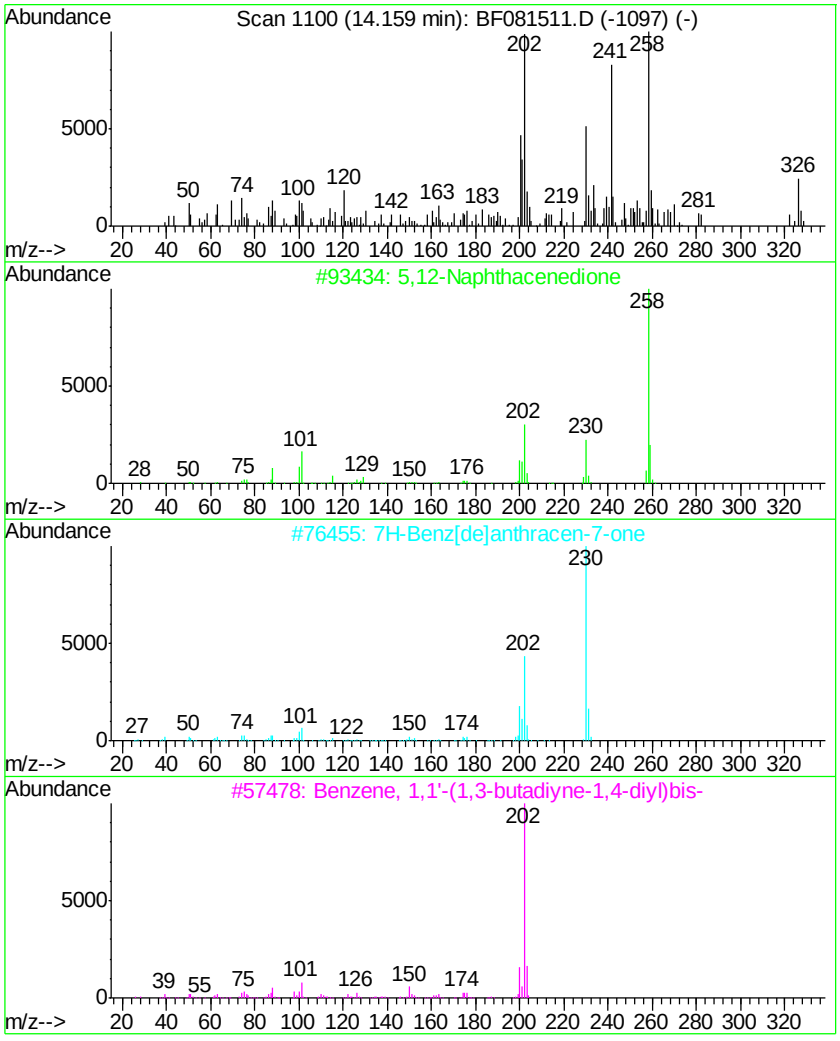
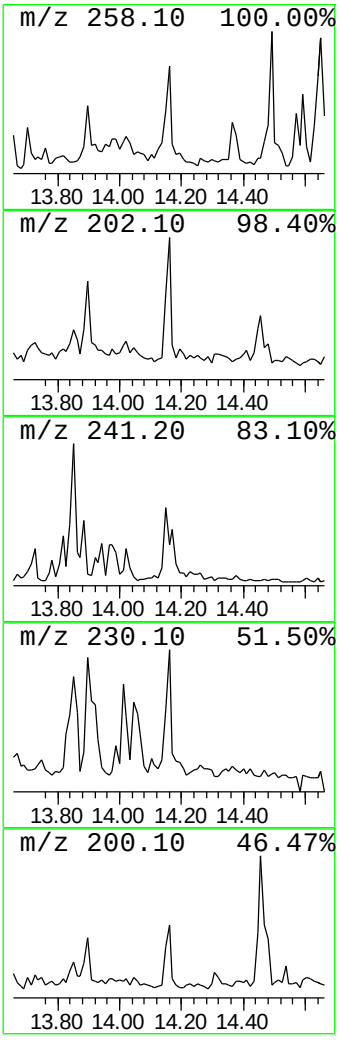
Peak Number 8 5,12-Naphthacenedione Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.16	15.01 ng	138061	Perylene-d12	14.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	78
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	30
3	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	25
4	Fluoranthene	202	C16H10	000206-44-0	25
5	7-Hydroxy-4-trifluoromethylcoumarin	230	C10H5F3O3	000575-03-1	18





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Acq On : 6 Sep 2015 15:49
Operator : UM/IZ
Sample : G3472-02
Misc :
ALS Vial : 86 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB002

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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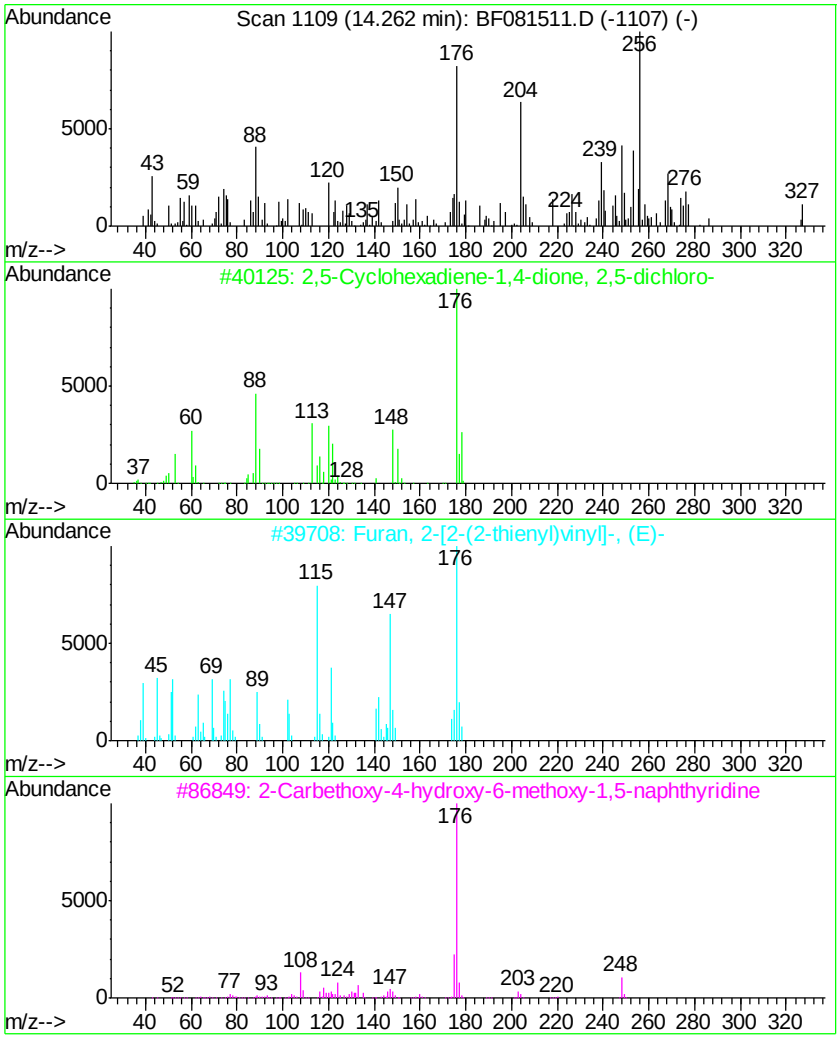
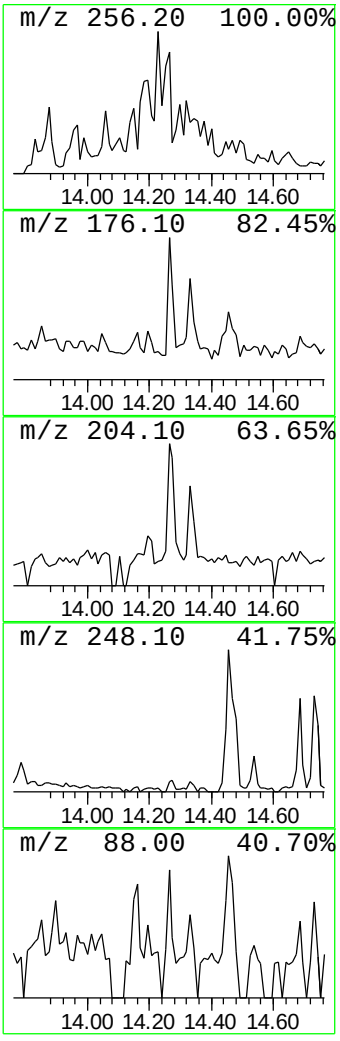
Peak Number 9 unknown14.26 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.26	7.83 ng	72024	Perylene-d12	14.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,5-Cyclohexadiene-1,4-dione, 2,...	176	C6H2Cl2O2	000615-93-0	27
2	Furan, 2-[2-(2-thienyl)vinyl]-, ...	176	C10H8OS	013640-90-9	25
3	2-Carbethoxy-4-hydroxy-6-methoxy...	248	C12H12N2O4	1000227-07-7	22
4	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	18
5	5-(4-Ethoxy-phenyl)-2H-pyrazol-3-ol	204	C11H12N2O2	1000278-26-8	14





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Acq On : 6 Sep 2015 15:49
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Sample : G3472-02
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Instrument : BNA_F
ClientSampleId : SB002

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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TIC Integration Parameters: LSCINT.P

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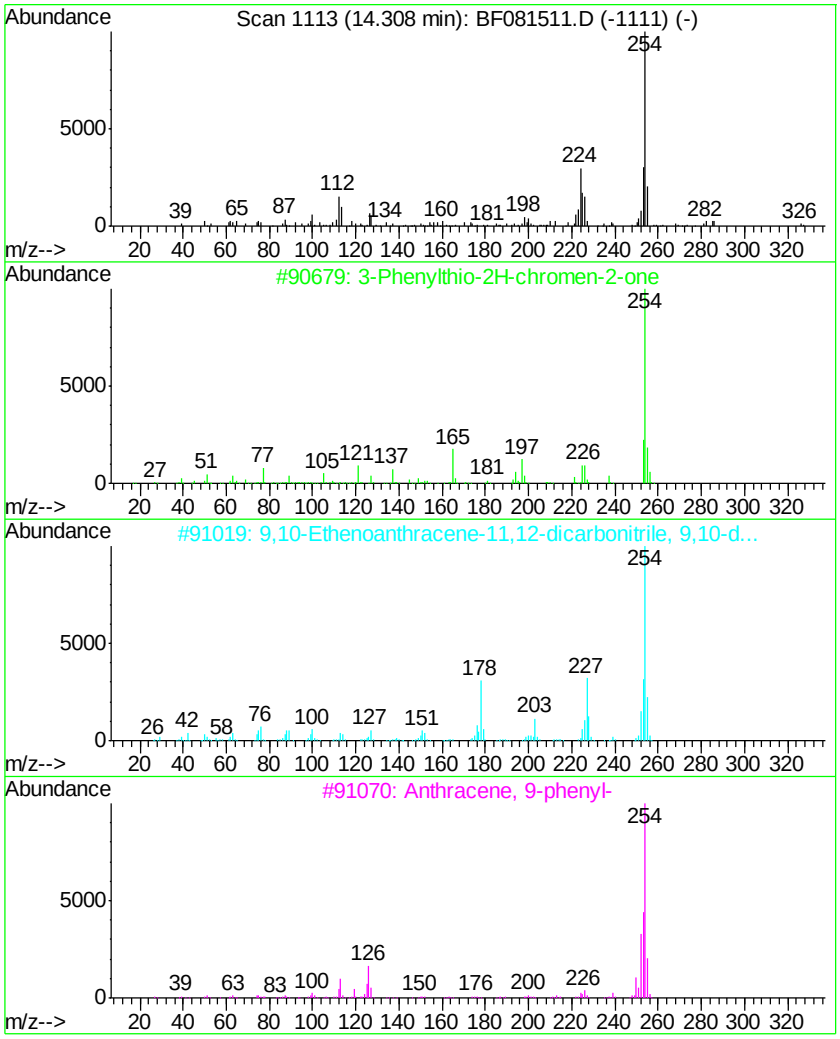
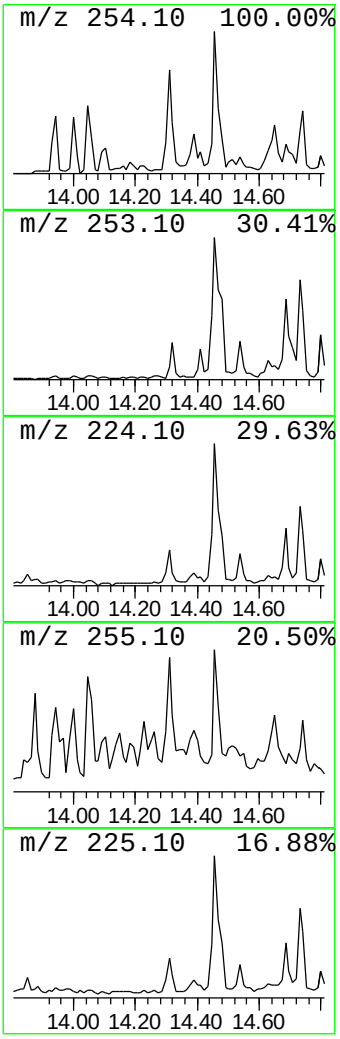
Peak Number 10 3-Phenylthio-2H-chromen-2-one Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.31	11.54 ng	106100	Perylene-d12	14.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenylthio-2H-chromen-2-one	254	C15H10O2S	072167-95-4	72
2	9,10-Ethenoanthracene-11,12-dica...	254	C18H10N2	019067-49-3	64
3	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	53
4	3-Hydroxy-1-methoxyanthraquinone	254	C15H10O4	028504-24-7	53
5	5,8-Dimethoxy-1,4-dihydro-2,3-qu...	254	C10H10N2O2S2	001790-96-1	50





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Acq On : 6 Sep 2015 15:49
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Sample : G3472-02
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Instrument : BNA_F
ClientSampleId : SB002

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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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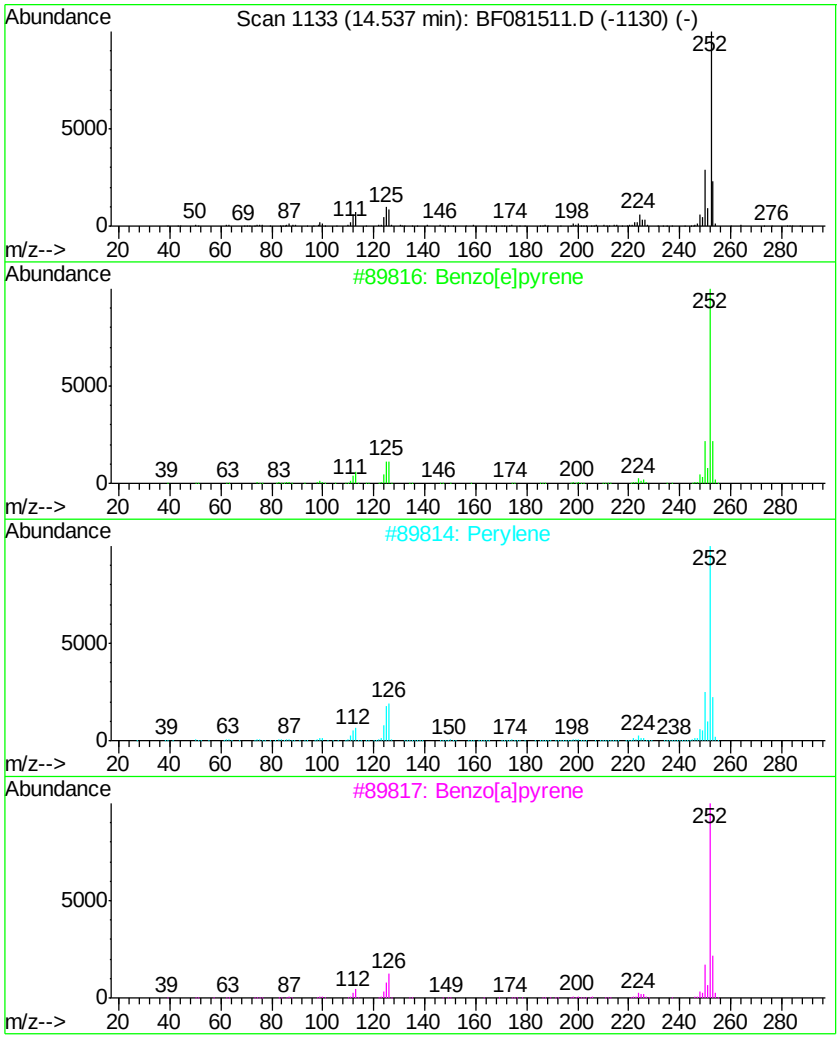
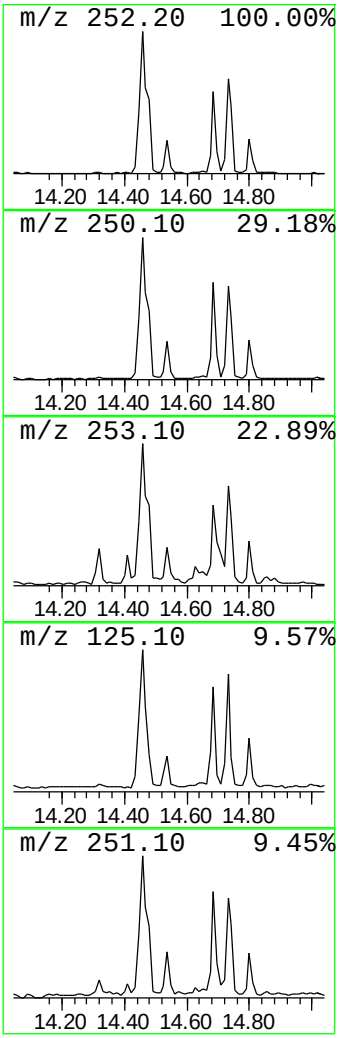
Peak Number 11 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.54	14.43 ng	132689	Perylene-d12	14.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Perylene	252	C20H12	000198-55-0	90
3	Benzo[a]pyrene	252	C20H12	000050-32-8	90
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89





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Acq On : 6 Sep 2015 15:49
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Sample : G3472-02
Misc :
ALS Vial : 86 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB002

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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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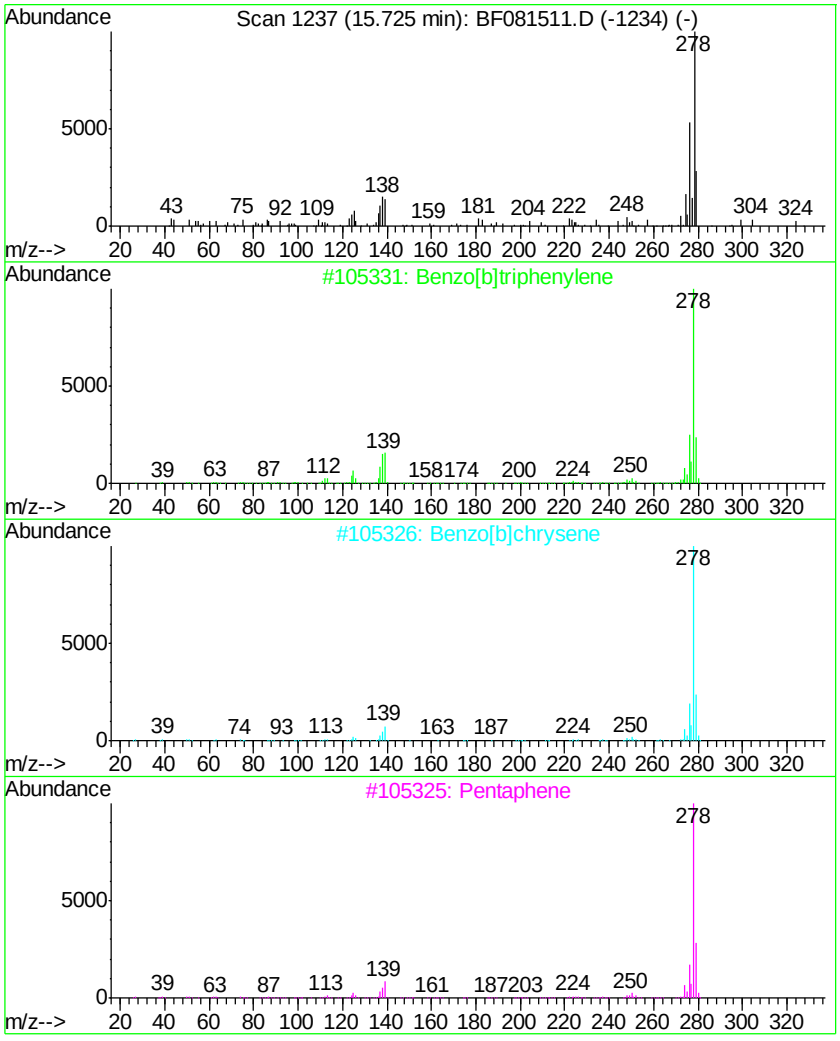
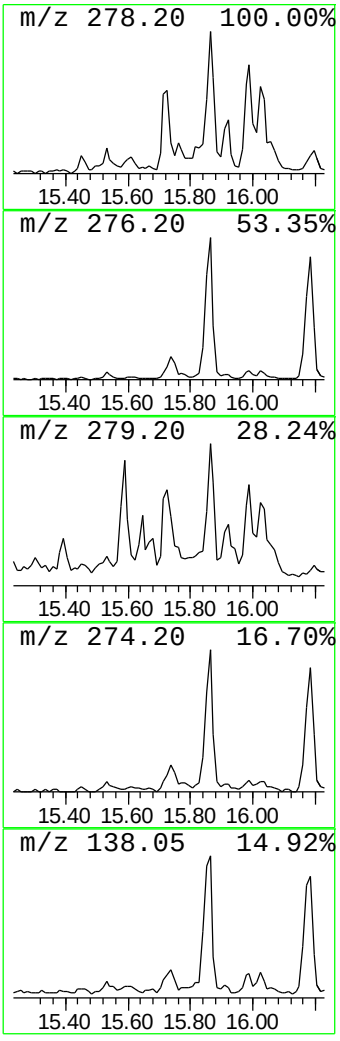
Peak Number 12 Benzo[b]triphenylene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.73	11.22 ng	103209	Perylene-d12	14.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	93
2	Benzo[b]chrysene	278	C22H14	000214-17-5	64
3	Pentaphene	278	C22H14	000222-93-5	60
4	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	60
5	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	55





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Operator : UM/IZ
Sample : G3472-02
Misc :
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Instrument : BNA_F
ClientSampleId : SB002

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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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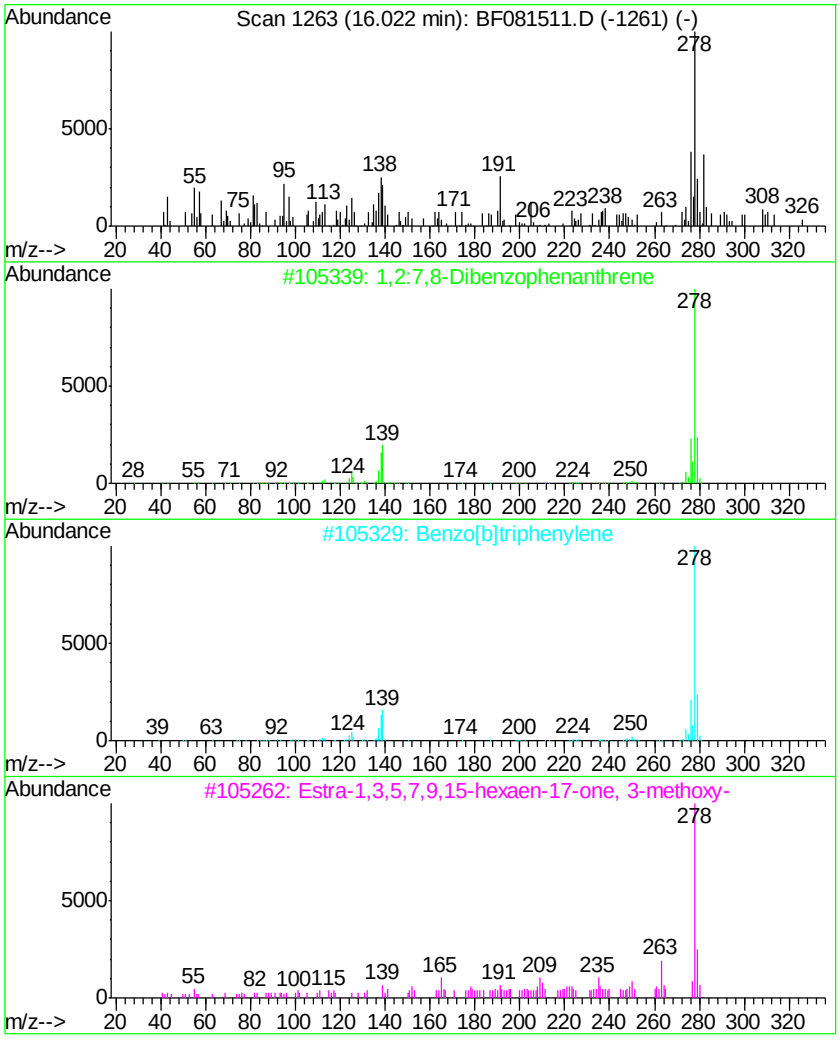
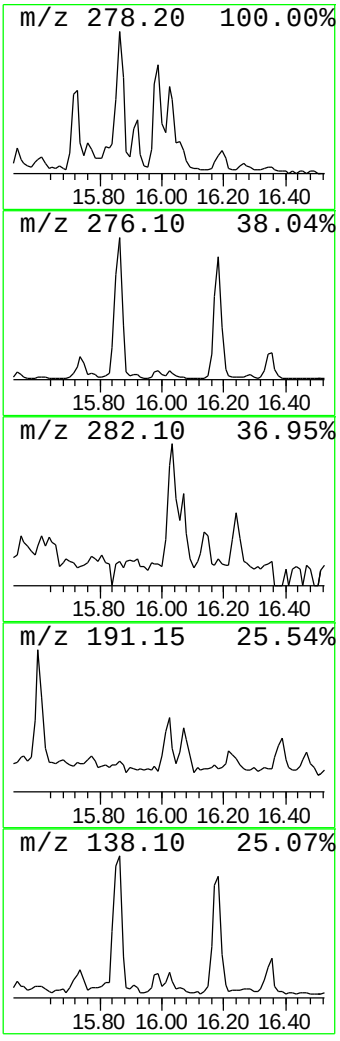
Peak Number 14 1,2:7,8-Dibenzophenanthrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.02	13.17 ng	121102	Perylene-d12	14.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	64
2	Benzo[b]triphenylene	278	C22H14	000215-58-7	55
3	Estra-1,3,5,7,9,15-hexaen-17-one...	278	C19H18O2	056588-53-5	50
4	Dibenzo-1,2,7,8-anthracene	278	C22H14	000224-41-9	49
5	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	49





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Sample : G3472-02
Misc :
ALS Vial : 86 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB002

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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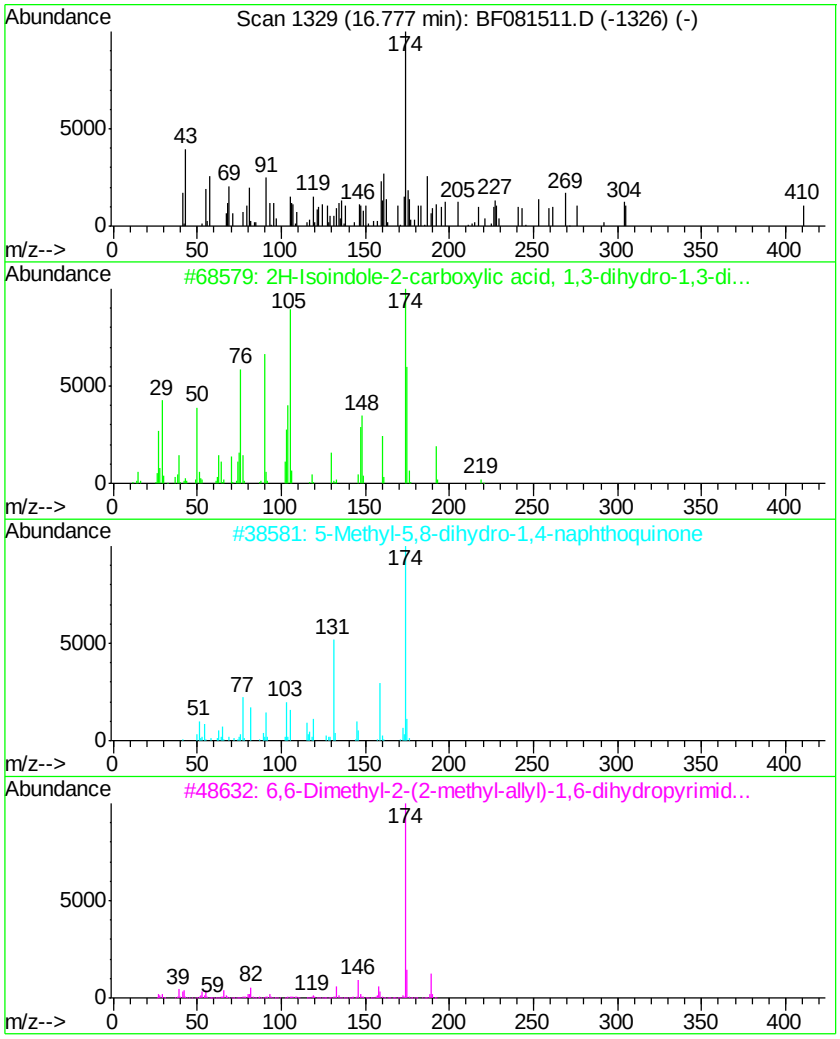
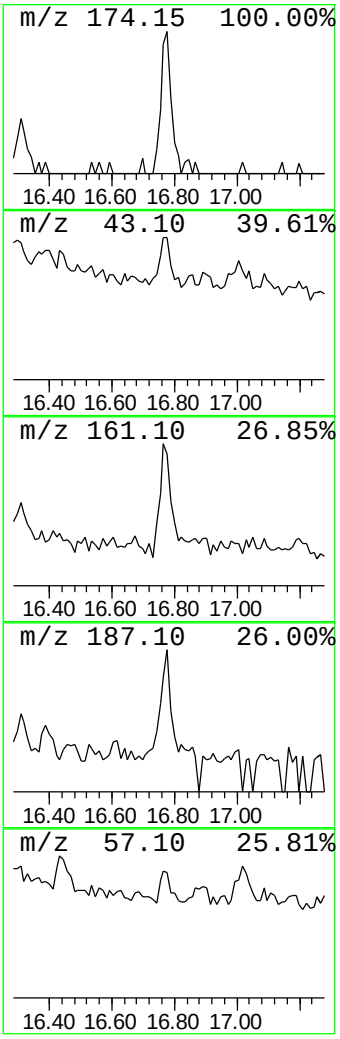
Peak Number 17 unknown16.78 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.78	7.11 ng	65369	Perylene-d12	14.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Isoindole-2-carboxylic acid, ...	219	C11H9NO4	022509-74-6	35
2	5-Methyl-5,8-dihydro-1,4-naphtho...	174	C11H10O2	086759-40-2	32
3	6,6-Dimethyl-2-(2-methyl-allyl)-...	189	C11H15N3	1000194-40-2	30
4	2-(2-Propenyl)-1,4-benzodioxin	174	C11H10O2	082912-43-4	27
5	Thioallophanic acid, N-(p-chloro...	300	C11H9ClN2O4S	1000156-46-3	27





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Sample : G3472-02
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ALS Vial : 86 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB002

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
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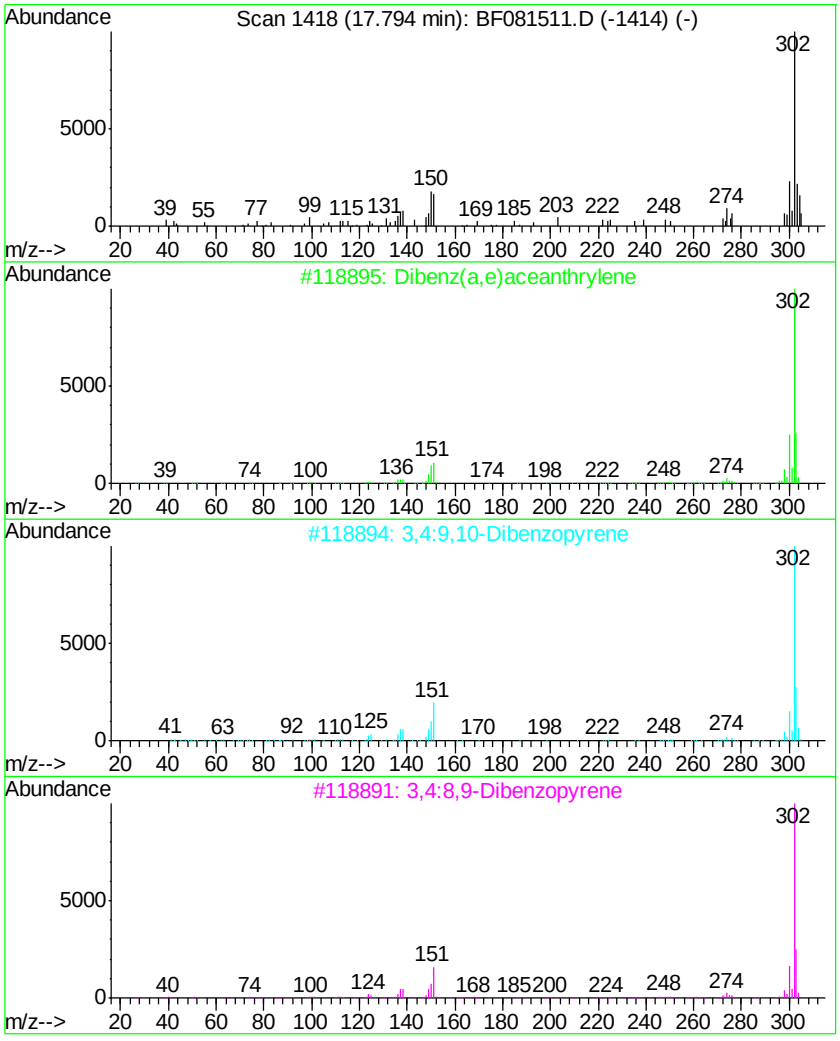
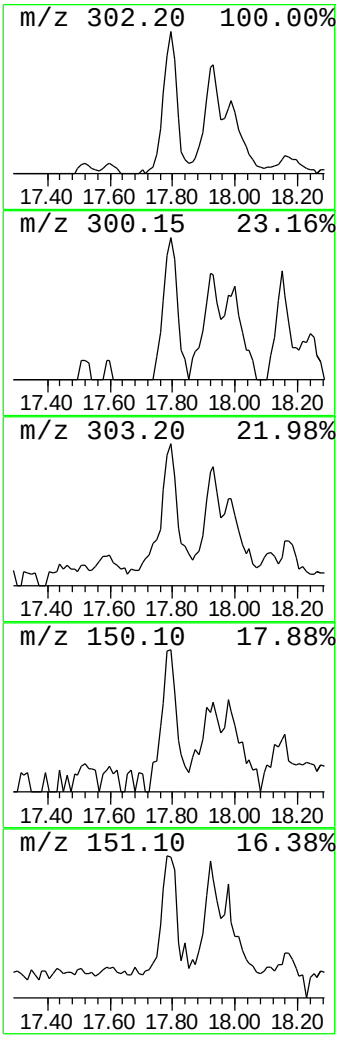
Peak Number 18 Dibenz(a,e)aceanthrylene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.79	14.69 ng	135126	Perylene-d12	14.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	94
2	3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	76
3	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	76
4	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	58
5	Pyrazolo[4,3-b]quinoline, 1,7-di...	302	C19H18N4	1000263-77-1	53





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ClientSampleId : SB002

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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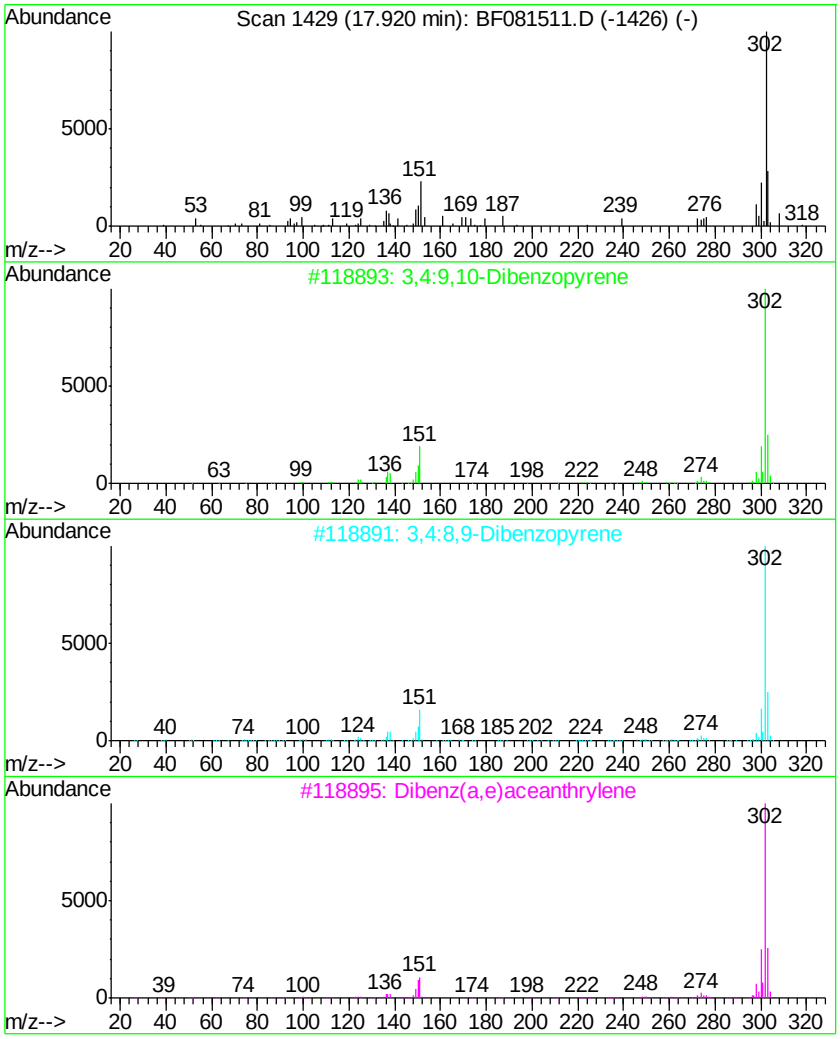
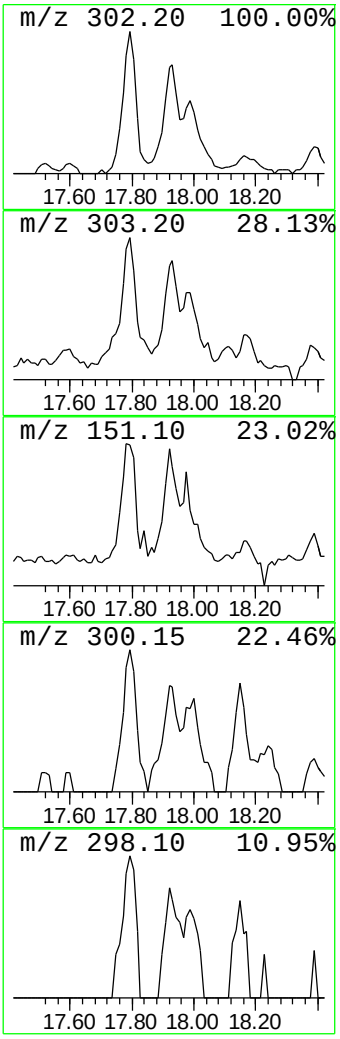
Peak Number 19 3,4:9,10-Dibenzopyrene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.92	6.26 ng	57570	Perylene-d12	14.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	68
2	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	64
3	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	58
4	Dibenzo[fg,op]naphthacene	302	C24H14	000192-51-8	53
5	1,2:3,4-Dibenzopyrene	302	C24H14	000191-30-0	52





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ALS Vial : 86 Sample Multiplier: 1

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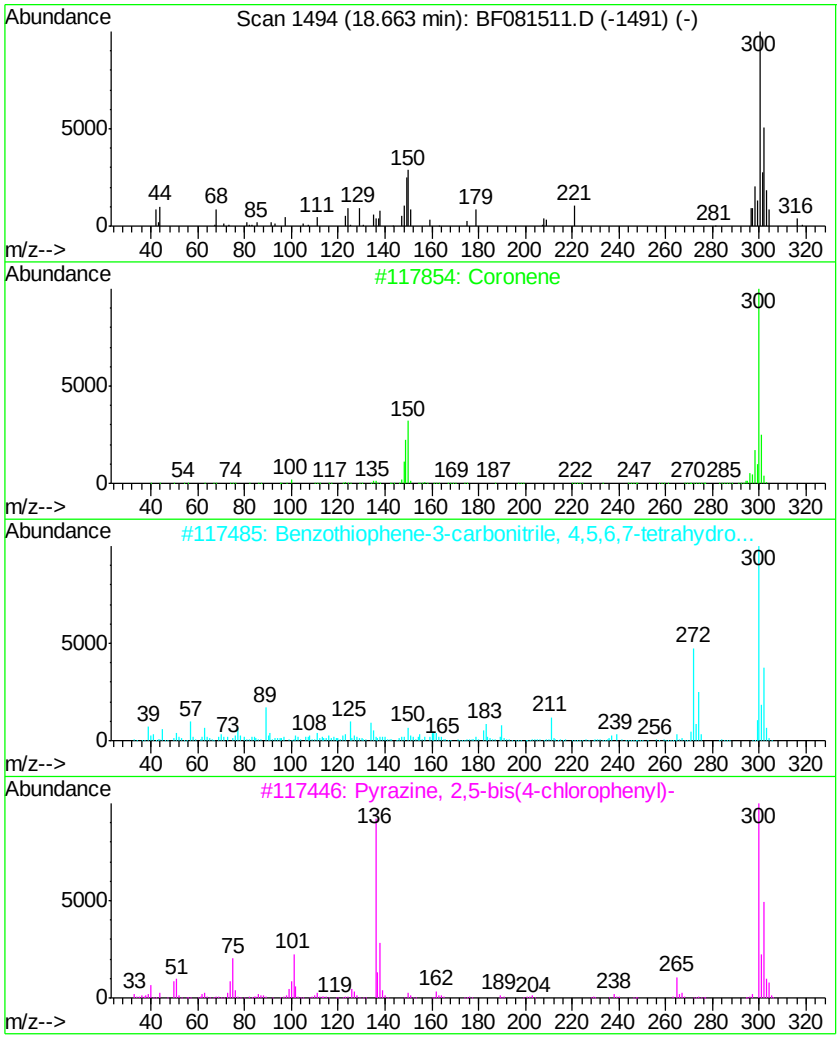
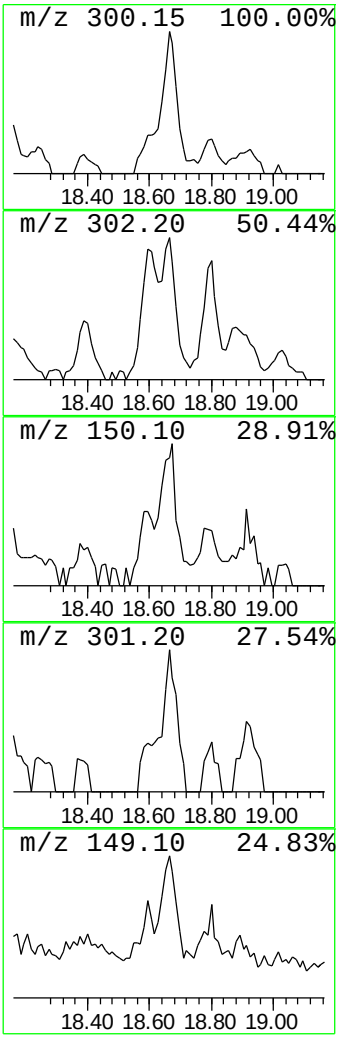
Peak Number 20 Coronene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.66	8.39 ng	77158	Perylene-d12	14.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Coronene	300	C24H12	000191-07-1	70
2	Benzothiophene-3-carbonitrile, 4...	300	C16H13ClN2S	069438-07-9	47
3	Pyrazine, 2,5-bis(4-chlorophenyl)-	300	C16H10Cl2N2	074376-33-3	46
4	5-(p-(Dimethylamino)benzylidenea...	300	C21H20N2	006256-22-0	38
5	4-[p-Chlorophenoxy]-6-methoxy-8-...	300	C16H13ClN2O2	063456-90-6	38





Tentatively Identified Compound (LSC) summary

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Data File : BF081511.D
Acq On : 6 Sep 2015 15:49
Operator : UM/IZ
Sample : G3472-02
Misc :
ALS Vial : 86 Sample Multiplier: 1

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ClientSampleId : SB002

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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...	4.39	42.8	ng	681222	1	6.35	318635	20.0
unknown6.12	6.12	76.7	ng	1221290	1	6.35	318635	20.0
Phenanthrene, 2-m...	11.35	6.7	ng	191128	4	10.86	568559	20.0
Phenanthrene, 1-m...	11.38	9.0	ng	255175	4	10.86	568559	20.0
n-Hexadecanoic acid	11.44	37.8	ng	1074430	4	10.86	568559	20.0
Cyclopenta(def)ph...	11.98	5.3	ng	150343	4	10.86	568559	20.0
5,12-Naphthacened...	14.16	15.0	ng	138061	6	14.78	183955	20.0
unknown14.26	14.26	7.8	ng	72024	6	14.78	183955	20.0
3-Phenylthio-2H-c...	14.31	11.5	ng	106100	6	14.78	183955	20.0
Benzo[e]pyrene	14.54	14.4	ng	132689	6	14.78	183955	20.0
Benzo[b]triphenylene	15.73	11.2	ng	103209	6	14.78	183955	20.0
1,2:7,8-Dibenzoph...	16.02	13.2	ng	121102	6	14.78	183955	20.0
unknown16.78	16.78	7.1	ng	65369	6	14.78	183955	20.0
Dibenz(a,e)aceant...	17.79	14.7	ng	135126	6	14.78	183955	20.0
3,4:9,10-Dibenzop...	17.92	6.3	ng	57570	6	14.78	183955	20.0
Coronene	18.66	8.4	ng	77158	6	14.78	183955	20.0