LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071315\
Data File : BF080460.D
Acq On : 14 Jul 2015 10:57
Operator : TP/UM
Sample : G2954-03 2X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TEC-E3

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-BF071015.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	2.155	4	6	14	rBV	27578	49688	7.83%	0.763%
2	2.270	14	16	24	rVB	27196	49064	7.74%	0.754%
3	5.344	283	285	293	rBV	57554	76174	12.01%	1.170%
4	5.767	320	322	331	rBV	110342	115524	18.22%	1.774%
5	6.773	409	410	420	rBV	79774	121813	19.21%	1.871%
6	6.910	420	422	425	rBV	165169	139160	21.94%	2.137%
7	7.127	439	441	444	rVB	63547	73774	11.63%	1.133%
8	7.287	454	455	458	rBV	98219	100803	15.89%	1.548%
9	7.699	489	491	499	rBB	90879	79670	12.56%	1.224%
10	8.419	552	554	556	rBV	123290	104748	16.52%	1.609%
11	8.819	587	589	590	rVB	14684	10520	1.66%	0.162%
12	9.493	646	648	650	rVV	221441	168320	26.54%	2.585%
13	9.893	679	683	685	rVB2	17648	35218	5.55%	0.541%
14	10.042	694	696	698	rVB	15041	12062	1.90%	0.185%
15	10.076	698	699	701	rBB	10118	8947	1.41%	0.137%
16	10.179	706	708	710	rVV	155388	123845	19.53%	1.902%
17	10.373	723	725	728	rBV	4022	8211	1.29%	0.126%
18	10.488	730	735	737	rBV	6374	10706	1.69%	0.164%
19	10.579	740	743	744	rBV	19087	15803	2.49%	0.243%
20	10.728	753	756	758	rBB	7992	9570	1.51%	0.147%
21	10.796	759	762	764	rBV	8737	9424	1.49%	0.145%
22	10.968	775	777	780	rVV	111935	99275	15.65%	1.525%
23	11.059	783	785	790	rVB	18195	37772	5.96%	0.580%
24	11.493	820	823	825	rVV2	13071	22492	3.55%	0.345%
25	11.528	825	826	829	rVV2	8461	7913	1.25%	0.122%
26	11.676	837	839	843	rBV2	131553	252191	39.76%	3.874%
27	11.745	843	845	849	rVB	40530	42337	6.68%	0.650%
28	11.928	856	861	863	rBV4	23722	30228	4.77%	0.464%
29	12.088	872	875	881	rBV3	3693	10590	1.67%	0.163%
30	12.179	881	883	884	rBV	22689	22977	3.62%	0.353%
31	12.214	884	886	888	rVB	31687	30606	4.83%	0.470%
32	12.259	888	890	892	rBV	14947	16023	2.53%	0.246%
33	12.305	892	894	897	rBV2	29908	55621	8.77%	0.854%
34	12.488	907	910	912	rBV	19589	21290	3.36%	0.327%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071315\
Data File : BF080460.D
Acq On : 14 Jul 2015 10:57
Operator : TP/UM
Sample : G2954-03 2X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TEC-E3

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-BF071015.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.648	921	924	926	rBV	10870	13903	2.19%	0.214%
36	12.762	932	934	935	rBV	44504	48109	7.59%	0.739%
37	12.796	935	937	940	rVB2	13194	22918	3.61%	0.352%
38	12.854	940	942	946	rVB2	13343	21912	3.46%	0.337%
39	12.945	948	950	952	rBV	211282	261830	41.28%	4.022%
40	13.002	954	955	957	rVB2	7215	8563	1.35%	0.132%
41	13.105	963	964	968	rBV3	12634	19543	3.08%	0.300%
42	13.196	968	972	974	rBV	230209	324460	51.16%	4.984%
43	13.242	974	976	979	rVB	20309	24820	3.91%	0.381%
44	13.334	982	984	986	rVB	264880	270396	42.64%	4.153%
45	13.368	986	987	989	rVB	15191	15595	2.46%	0.240%
46	13.425	989	992	996	rVB3	24462	47743	7.53%	0.733%
47	13.494	996	998	999	rBV2	7384	10184	1.61%	0.156%
48	13.562	999	1004	1006	rBV2	40188	78704	12.41%	1.209%
49	13.631	1009	1010	1012	rBV	22230	24805	3.91%	0.381%
50	13.677	1012	1014	1018	rVB3	33180	46141	7.28%	0.709%
51	13.791	1022	1024	1025	rBV	22439	24977	3.94%	0.384%
52	13.825	1025	1027	1029	rVB	21886	19785	3.12%	0.304%
53	13.917	1032	1035	1037	rBV2	6189	12447	1.96%	0.191%
54	13.974	1037	1040	1041	rVB2	7368	8879	1.40%	0.136%
55	14.019	1041	1044	1045	rBV3	10246	17717	2.79%	0.272%
56	14.054	1045	1047	1049	rVB	9727	10581	1.67%	0.163%
57	14.122	1051	1053	1054	rBV	12693	16126	2.54%	0.248%
58	14.157	1054	1056	1058	rVB	31753	34942	5.51%	0.537%
59	14.225	1061	1062	1064	rVB	9055	8702	1.37%	0.134%
60	14.294	1064	1068	1069	rBV3	25019	41520	6.55%	0.638%
61	14.328	1069	1071	1072	rVB	18218	20727	3.27%	0.318%
62	14.374	1072	1075	1077	rBV2	27759	55501	8.75%	0.852%
63	14.408	1077	1078	1081	rVB	27207	27950	4.41%	0.429%
64	14.499	1083	1086	1089	rBV3	10076	27332	4.31%	0.420%
65	14.602	1091	1095	1097	rVV2	327326	634207	100.00%	9.741%
66	14.637	1097	1098	1100	rVV	142373	114285	18.02%	1.755%
67	14.705	1103	1104	1105	rBV	9011	7123	1.12%	0.109%
68	14.739	1105	1107	1108	rBV	26366	32605	5.14%	0.501%
69	14.774	1108	1110	1112	rBV2	10796	20518	3.24%	0.315%
70	14.854	1116	1117	1120	rBV2	5926	10130	1.60%	0.156%
71	14.900	1120	1121	1122	rBV	17692	12716	2.01%	0.195%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071315\
Data File : BF080460.D
Acq On : 14 Jul 2015 10:57
Operator : TP/UM
Sample : G2954-03 2X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TEC-E3

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-BF071015.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	15.002	1129	1130	1132	rBV2	6298	9251	1.46%	0.142%
73	15.048	1132	1134	1135	rVV2	13572	16738	2.64%	0.257%
74	15.094	1135	1138	1140	rVV	48287	68208	10.75%	1.048%
75	15.140	1140	1142	1144	rVV	25068	26767	4.22%	0.411%
76	15.185	1144	1146	1148	rBV2	15892	36107	5.69%	0.555%
77	15.265	1151	1153	1154	rBV	19990	28239	4.45%	0.434%
78	15.357	1159	1161	1163	rVB2	14696	21040	3.32%	0.323%
79	15.425	1165	1167	1169	rVB3	6473	7522	1.19%	0.116%
80	15.505	1171	1174	1175	rBV3	13702	23476	3.70%	0.361%
81	15.574	1178	1180	1183	rVV2	18187	27432	4.33%	0.421%
82	15.734	1189	1194	1196	rBV2	23110	54875	8.65%	0.843%
83	15.814	1199	1201	1203	rVV3	15588	24655	3.89%	0.379%
84	15.917	1207	1210	1217	rVV	161706	415086	65.45%	6.376%
85	16.042	1219	1221	1223	rVB	35536	43713	6.89%	0.671%
86	16.168	1228	1232	1233	rBV3	13578	36275	5.72%	0.557%
87	16.271	1238	1241	1244	rVV	113605	174538	27.52%	2.681%
88	16.340	1244	1247	1250	rVV	161814	218975	34.53%	3.363%
89	16.408	1250	1253	1255	rVV	218001	332833	52.48%	5.112%
90	16.443	1255	1256	1260	rVB2	47532	74361	11.73%	1.142%
91	16.900	1293	1296	1300	rBV4	12125	28539	4.50%	0.438%
92	17.048	1307	1309	1312	rBV2	7230	12812	2.02%	0.197%
93	17.460	1342	1345	1350	rVB5	9271	20303	3.20%	0.312%
94	17.654	1360	1362	1367	rVB5	10568	23227	3.66%	0.357%
95	18.066	1395	1398	1405	rVB2	69679	153951	24.27%	2.365%
96	18.260	1413	1415	1418	rBV	11680	23662	3.73%	0.363%
97	18.328	1419	1421	1424	rVB2	9565	15884	2.50%	0.244%
98	18.568	1439	1442	1449	rVB	60412	131896	20.80%	2.026%
99	18.843	1462	1466	1474	rVB2	18783	59144	9.33%	0.908%
100	21.094	1659	1663	1668	rVB3	9509	30163	4.76%	0.463%

Sum of corrected areas: 6510427

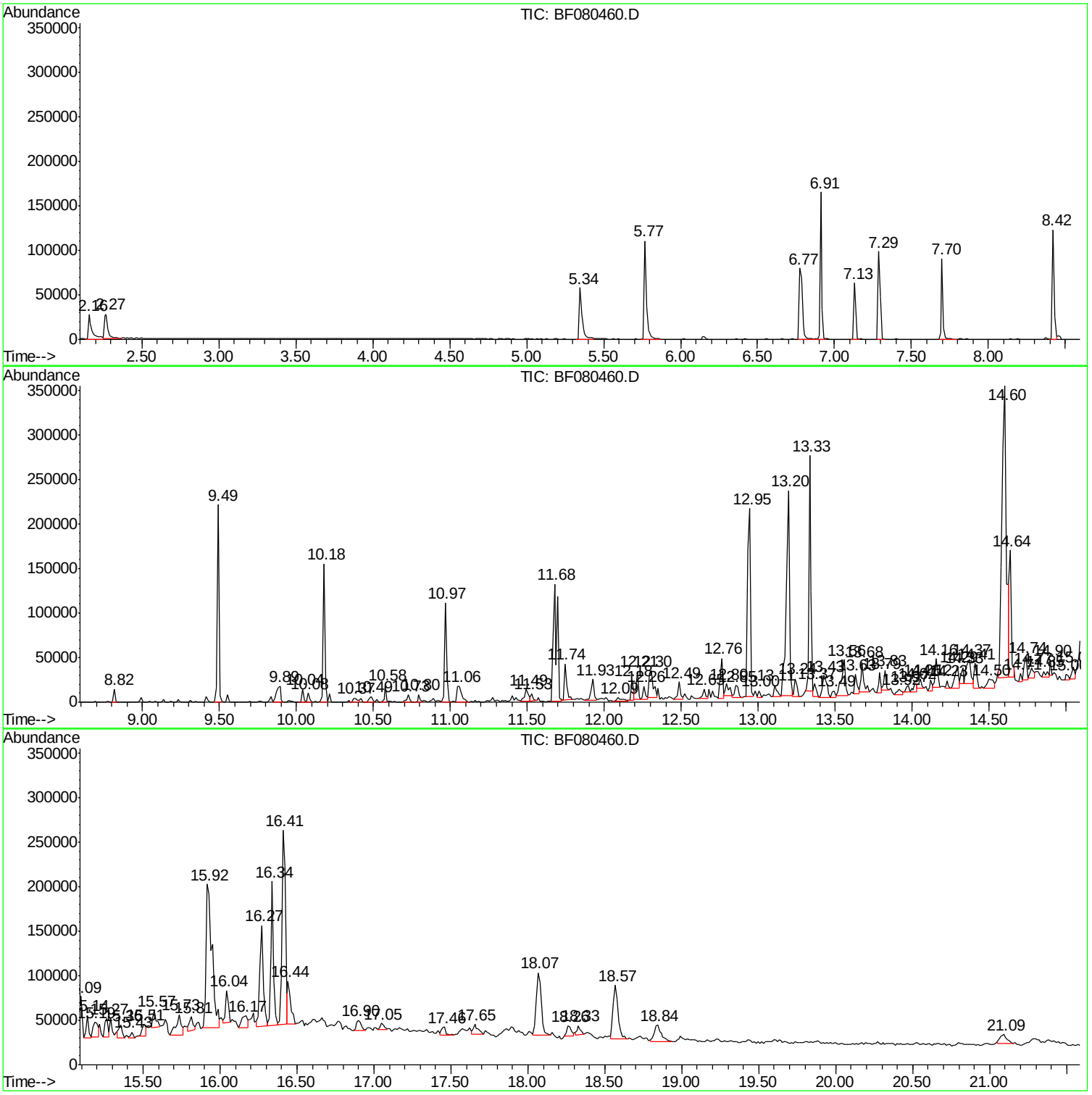
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071315\
Data File : BF080460.D
Acq On : 14 Jul 2015 10:57
Operator : TP/UM
Sample : G2954-03 2X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TEC-E3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071015.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\BF071315\
Data File : BF080460.D
Acq On : 14 Jul 2015 10:57
Operator : TP/UM
Sample : G2954-03 2X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TEC-E3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

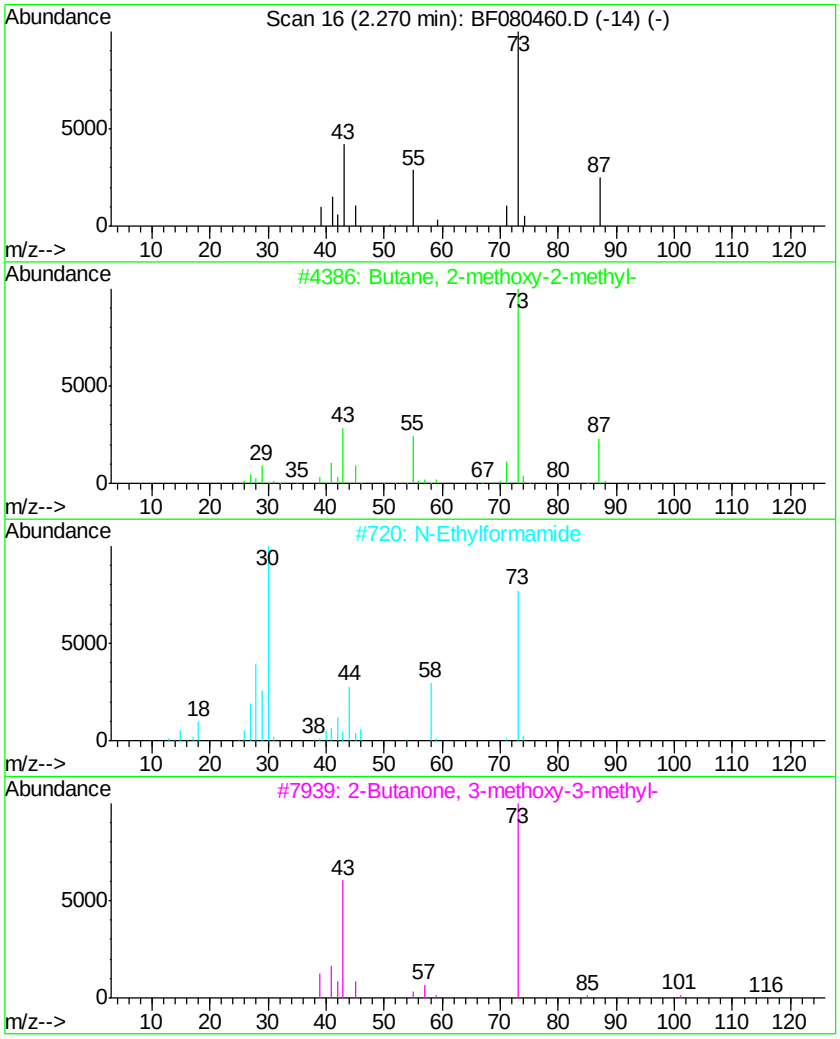
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

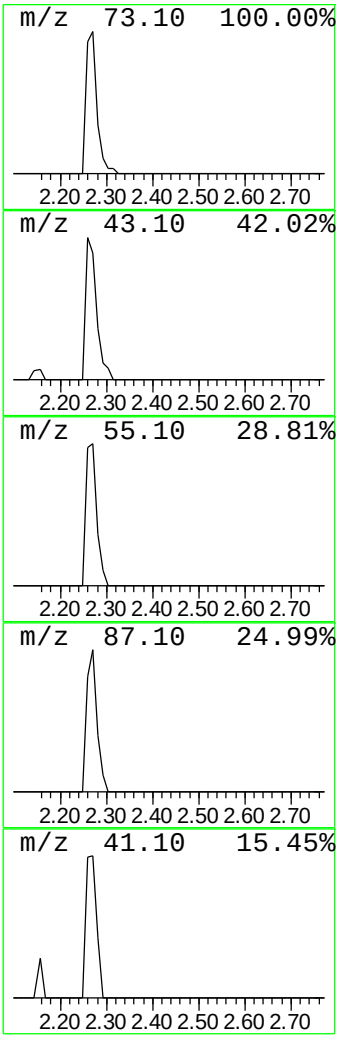
****

Peak Number 2 Butane, 2-methoxy-2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.27	13.30 ng	49064	1,4-Dichlorobenzene-d4	7.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	N-Ethylformamide	73	C3H7NO	000627-45-2	9
3	2-Butanone, 3-methoxy-3-methyl-	116	C6H12O2	036687-98-6	9
4	Isobutylamine	73	C4H11N	000078-81-9	5
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	5





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071315\
Data File : BF080460.D
Acq On : 14 Jul 2015 10:57
Operator : TP/UM
Sample : G2954-03 2X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TEC-E3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

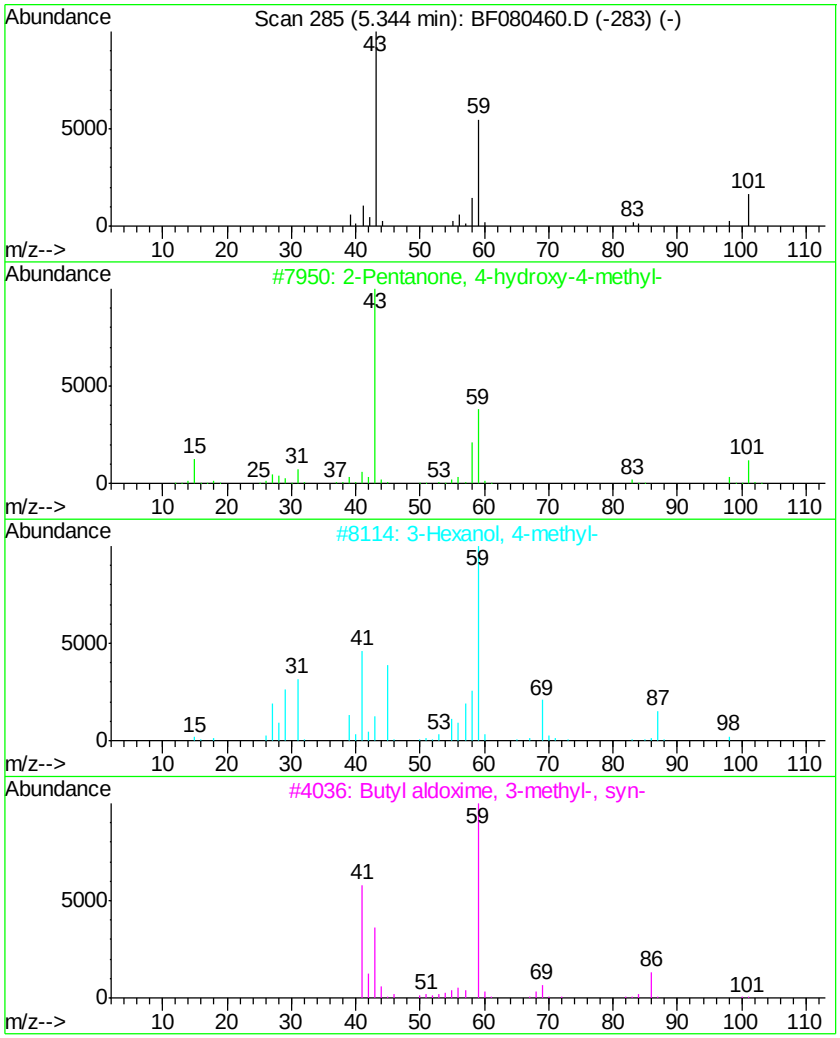
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

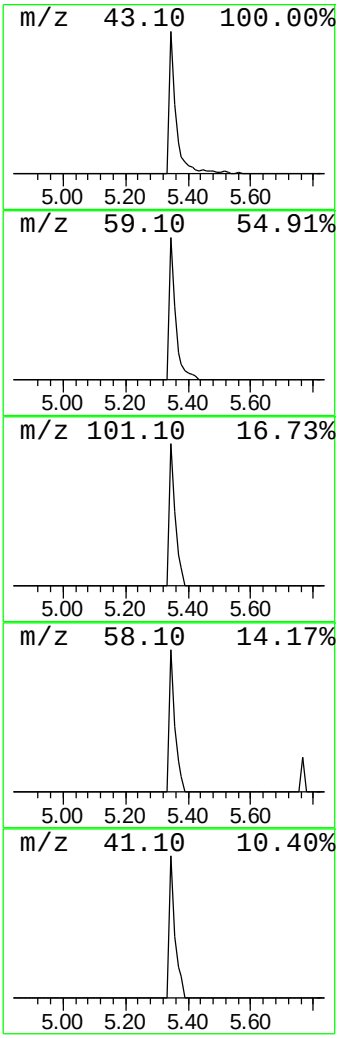
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.34	20.65 ng	76174	1,4-Dichlorobenzene-d4	7.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	40
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
3	Butyl aldoxime, 3-methyl-, syn-	101	C5H11NO	005780-40-5	23
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	4-Penten-2-one, 4-methyl-	98	C6H10O	003744-02-3	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071315\
Data File : BF080460.D
Acq On : 14 Jul 2015 10:57
Operator : TP/UM
Sample : G2954-03 2X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TEC-E3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

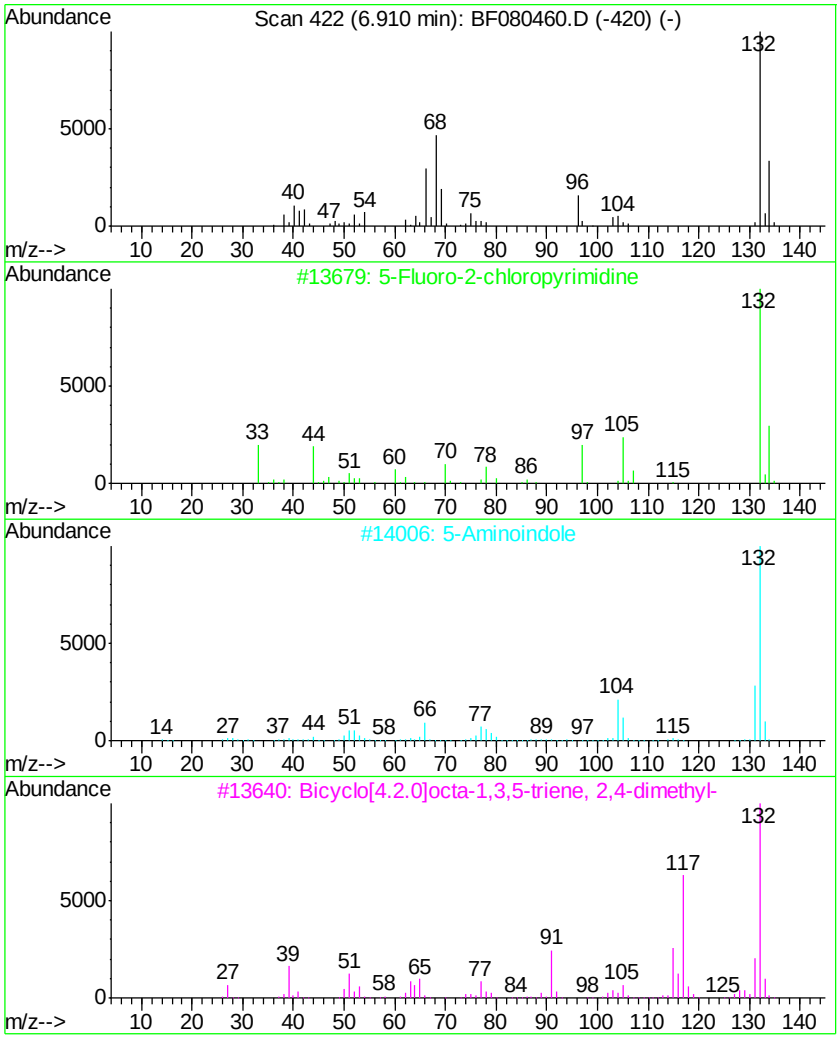
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

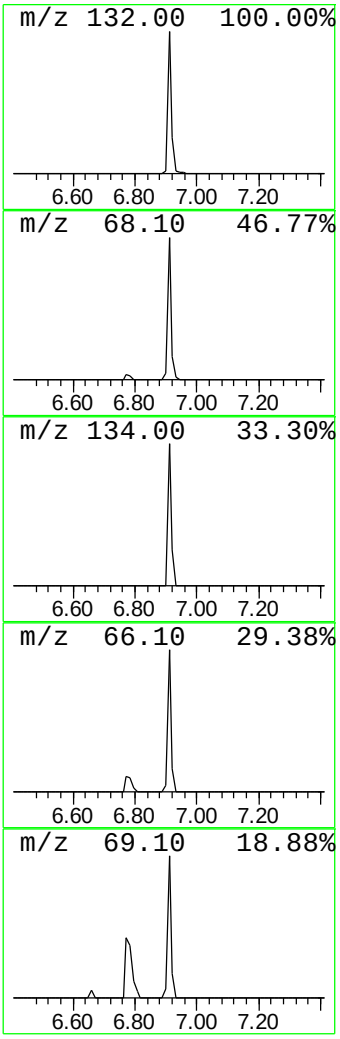
****

Peak Number 4 unknown6.91 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.91	37.73 ng	139160	1,4-Dichlorobenzene-d4	7.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	27
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4	1,3,4-Thiadiazole-2(3H)-thione, ...	132	C3H4N2S2	029490-19-5	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071315\
Data File : BF080460.D
Acq On : 14 Jul 2015 10:57
Operator : TP/UM
Sample : G2954-03 2X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TEC-E3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

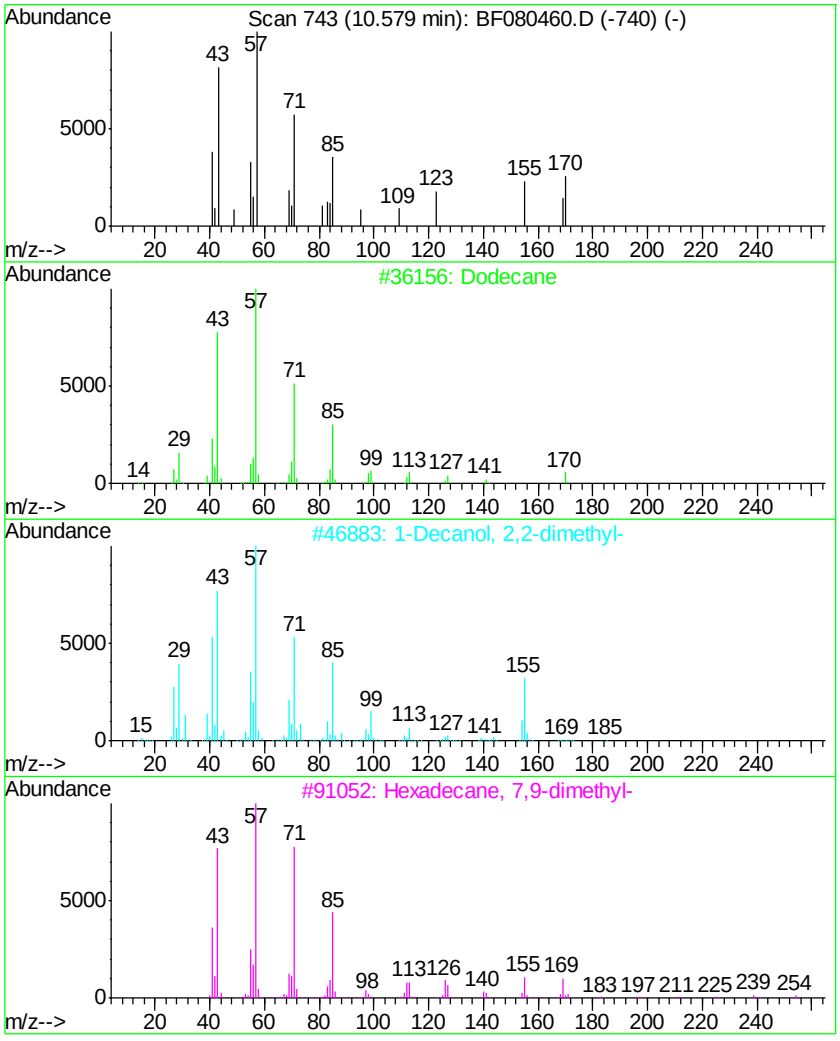
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

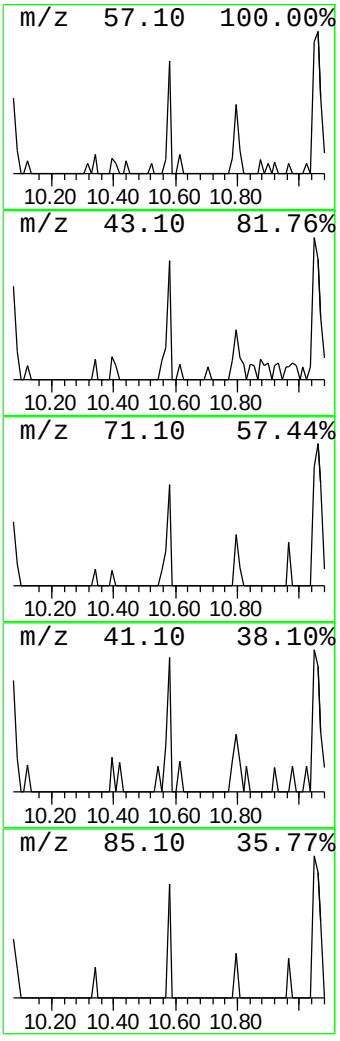
****

Peak Number 7 Dodecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.58	2.55 ng	15803	Acenaphthene-d10	10.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	50
2	1-Decanol, 2,2-dimethyl-	186	C12H26O	002370-15-2	47
3	Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	47
4	Undecane	156	C11H24	001120-21-4	43
5	2-Bromo dodecane	248	C12H25Br	013187-99-0	43





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071315\
Data File : BF080460.D
Acq On : 14 Jul 2015 10:57
Operator : TP/UM
Sample : G2954-03 2X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TEC-E3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

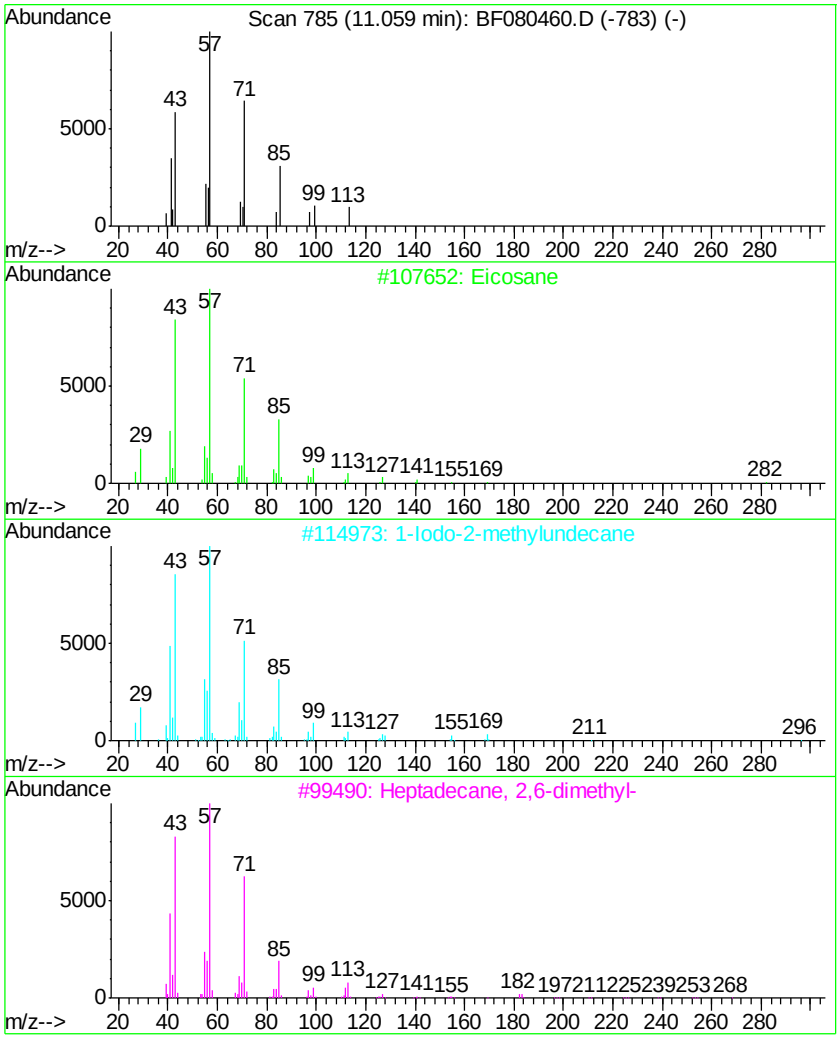
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

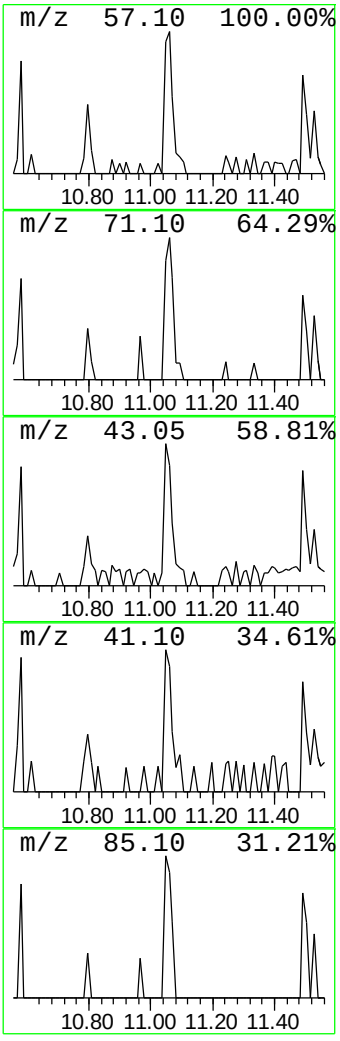
****

Peak Number 8 Eicosane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.06	3.00 ng	37772	Phenanthrene-d10	11.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	78
2	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	78
3	Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	78
4	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	72
5	Hexadecane	226	C16H34	000544-76-3	72





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071315\
Data File : BF080460.D
Acq On : 14 Jul 2015 10:57
Operator : TP/UM
Sample : G2954-03 2X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TEC-E3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071015.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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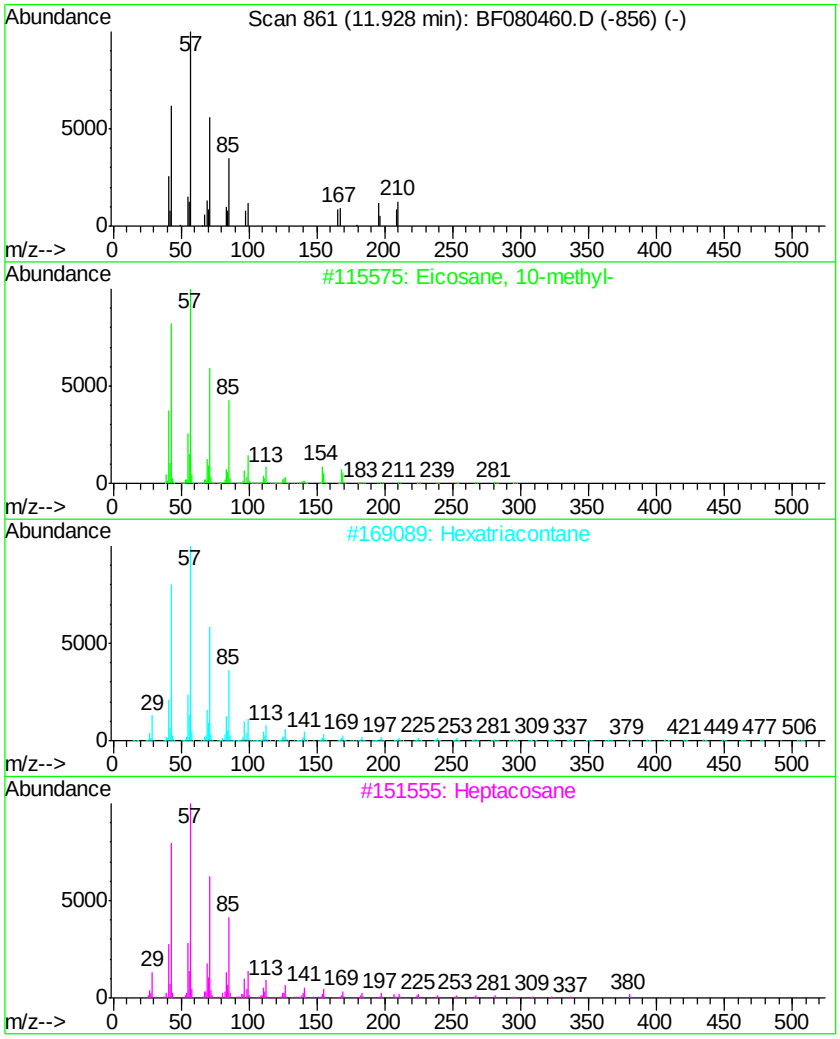
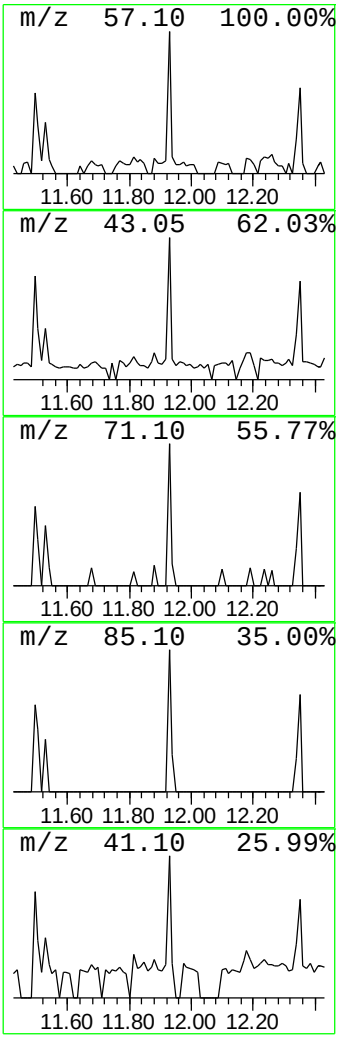
Peak Number 9 Eicosane, 10-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	2.40 ng	30228	Phenanthrene-d10	11.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane, 10-methyl-	296	C21H44	054833-23-7	52
2	Hexatriacontane	507	C36H74	000630-06-8	52
3	Heptacosane	380	C27H56	000593-49-7	52
4	Decane, 6-ethyl-2-methyl-	184	C13H28	062108-21-8	50
5	Nonacosane	408	C29H60	000630-03-5	50





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Acq On : 14 Jul 2015 10:57
Operator : TP/UM
Sample : G2954-03 2X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TEC-E3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

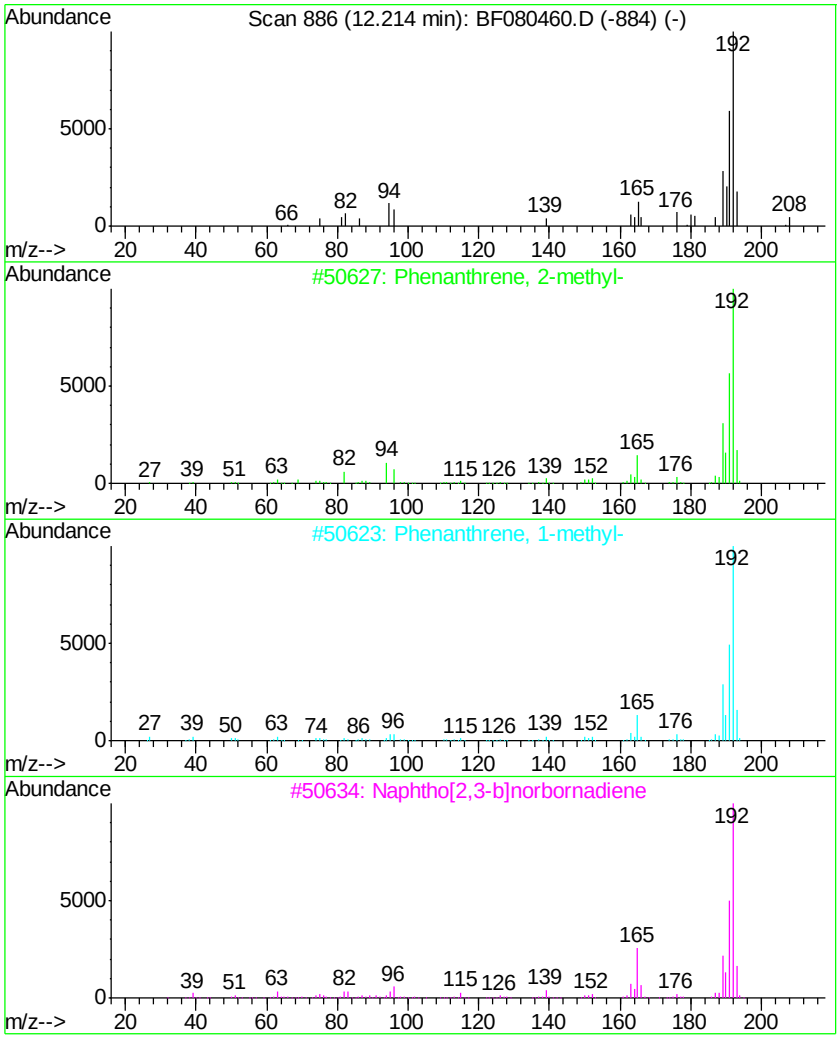
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

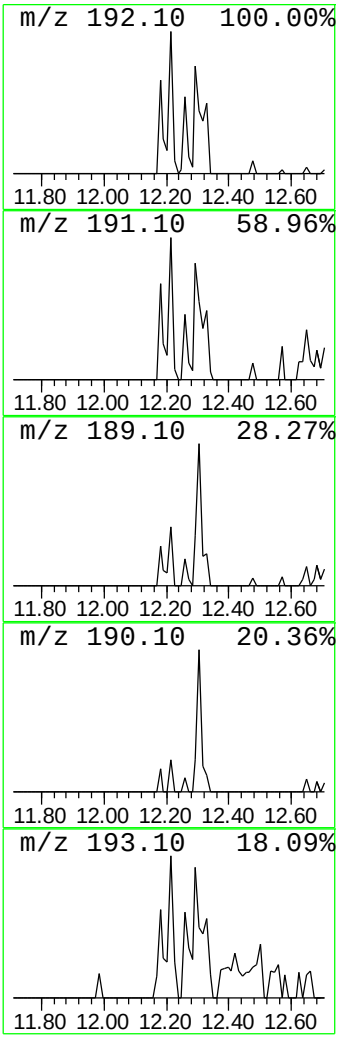
****

Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.21	2.43 ng	30606	Phenanthrene-d10	11.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	76
3	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	76
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	76
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	76





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Sample : G2954-03 2X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TEC-E3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071015.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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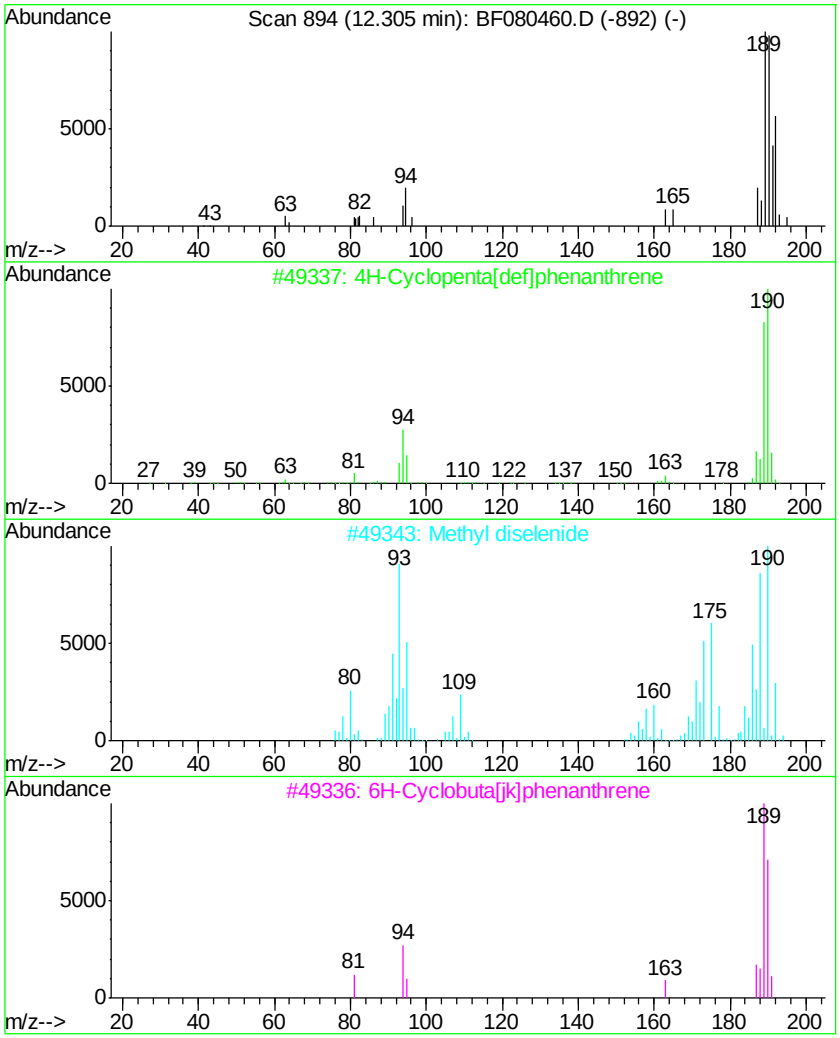
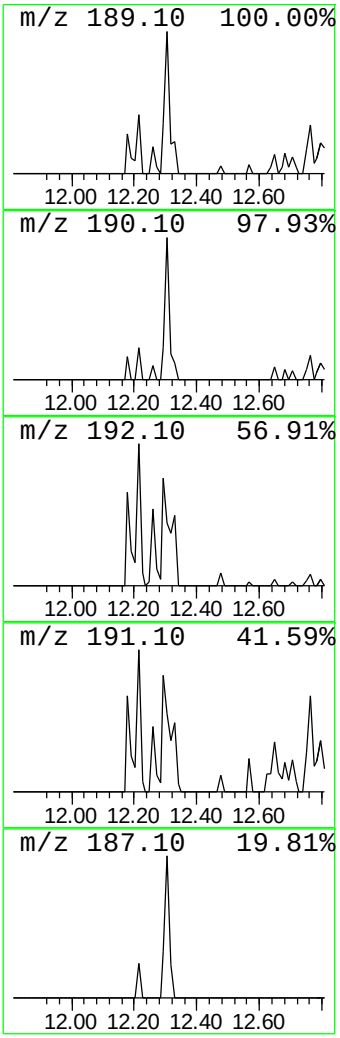
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.31	4.41 ng	55621	Phenanthrene-d10	11.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
2	Methyl diselenide	190	C2H6Se2	007101-31-7	45
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	42
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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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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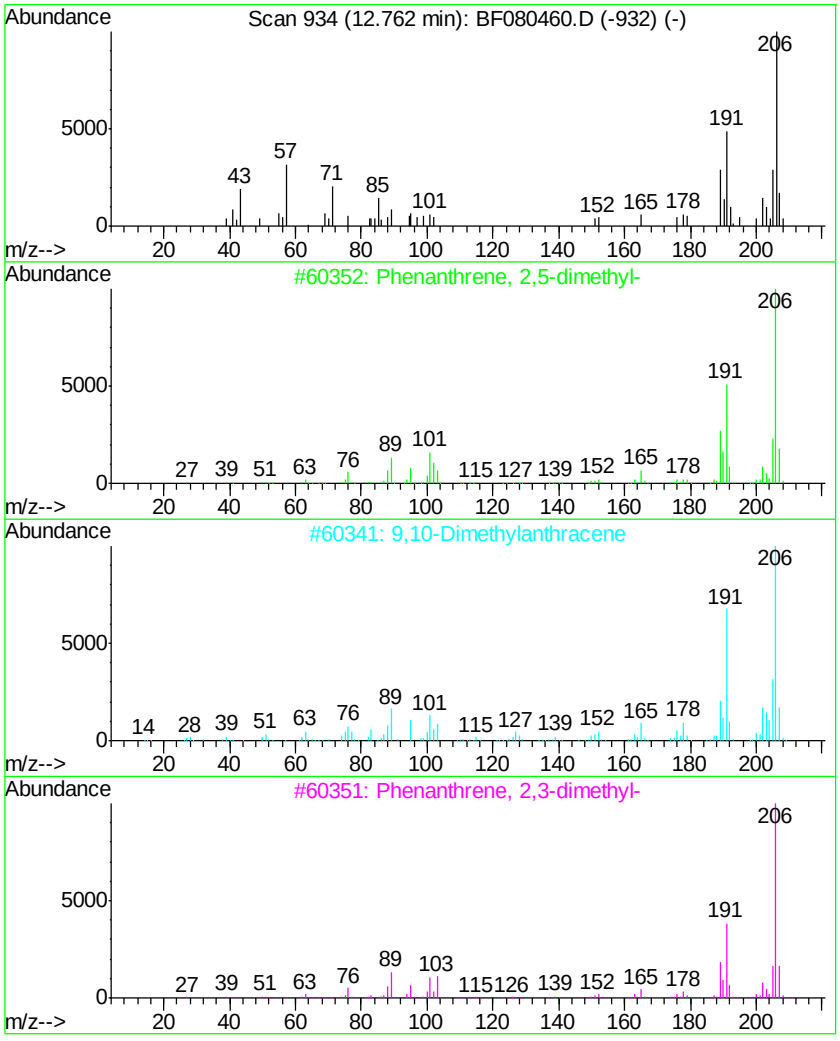
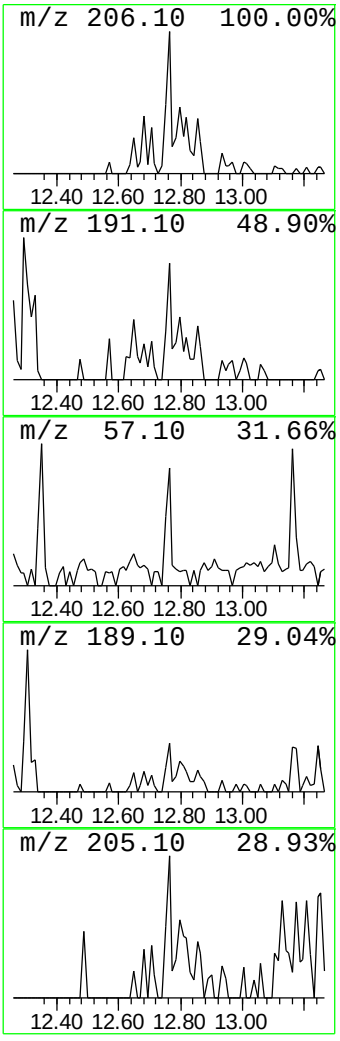
Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.76	3.82 ng	48109	Phenanthrene-d10	11.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	83
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	83





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Sample : G2954-03 2X
Misc :
ALS Vial : 31 Sample Multiplier: 1

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ClientSampleId : TEC-E3

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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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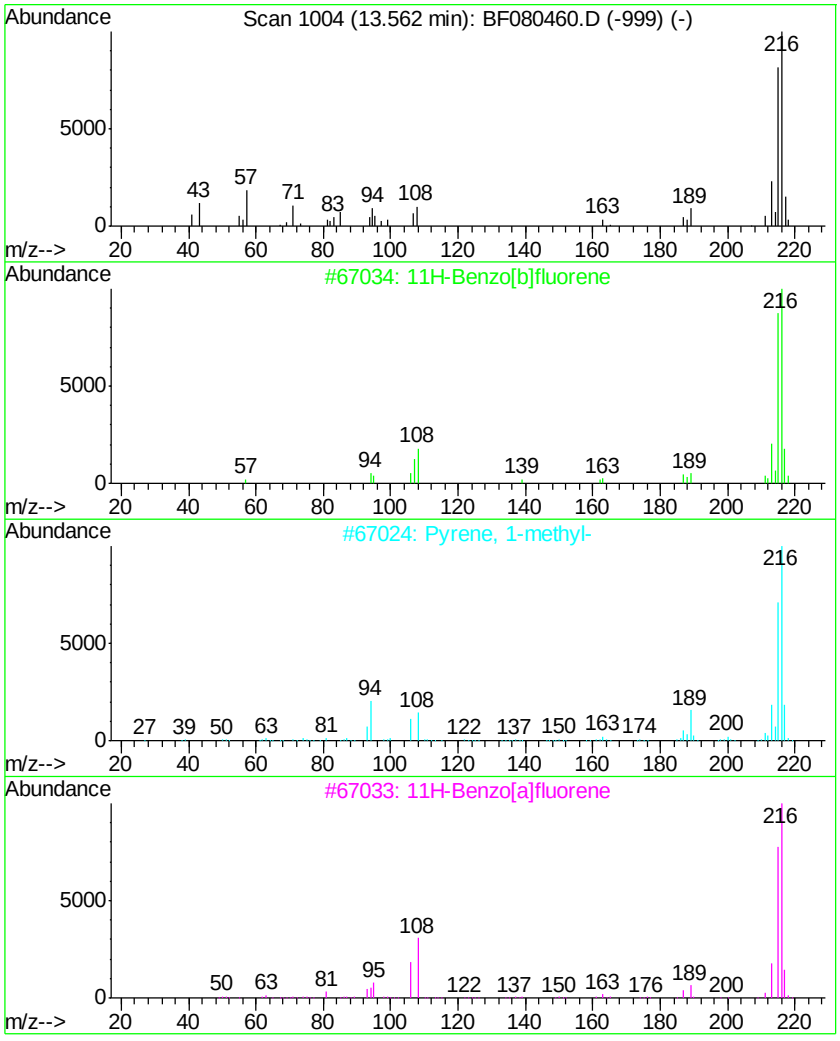
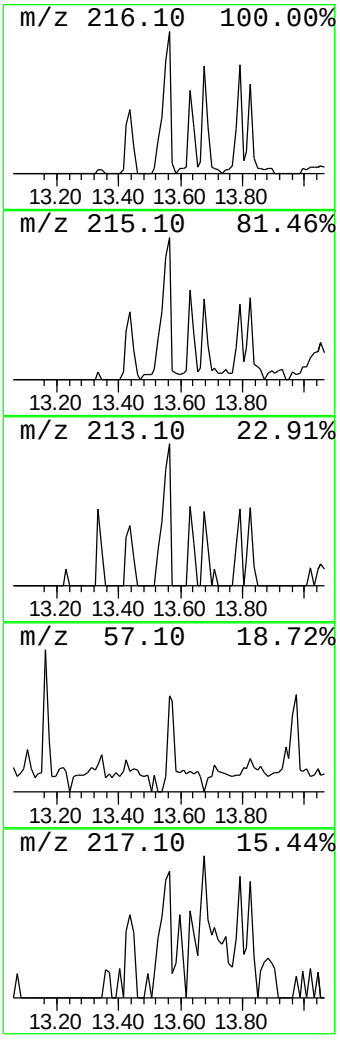
Peak Number 13 11H-Benzo[b]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.56	2.48 ng	78704	Chrysene-d12	14.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





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Operator : TP/UM
Sample : G2954-03 2X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TEC-E3

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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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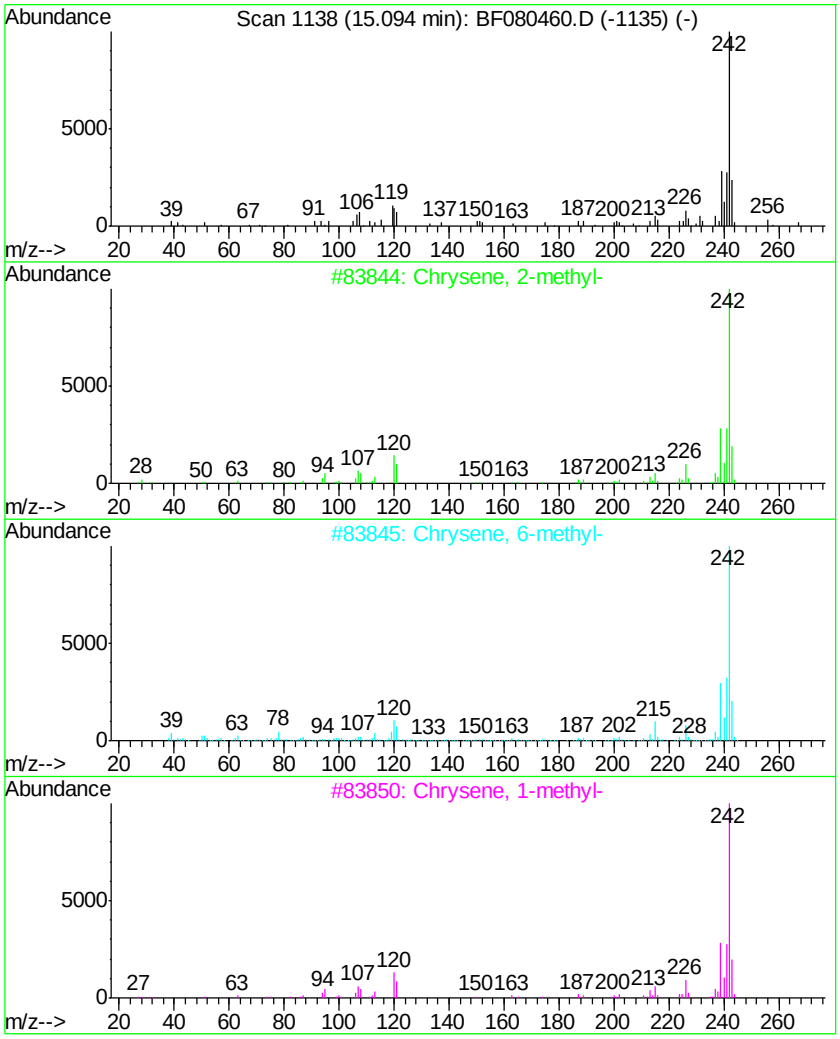
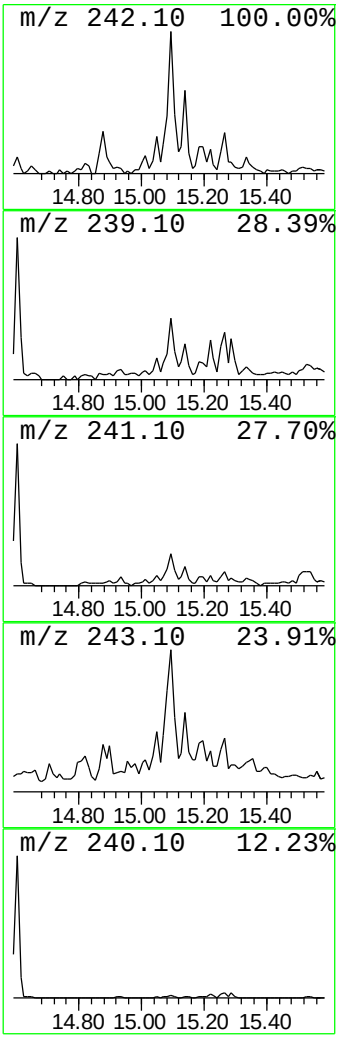
Peak Number 14 Chrysene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.09	2.15 ng	68208	Chrysene-d12	14.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 2-methyl-	242	C19H14	003351-32-4	93
2	Chrysene, 6-methyl-	242	C19H14	003697-24-3	93
3	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93
4	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	90
5	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	89





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Misc :
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Instrument : BNA_F
ClientSampleId : TEC-E3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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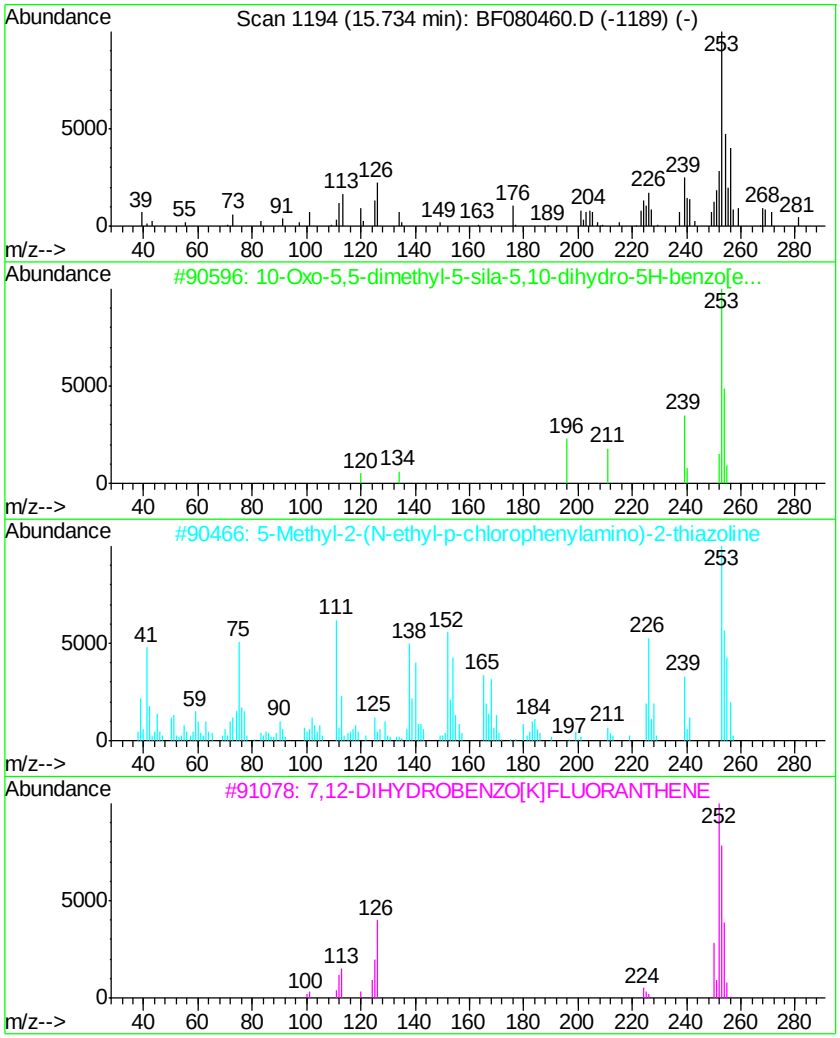
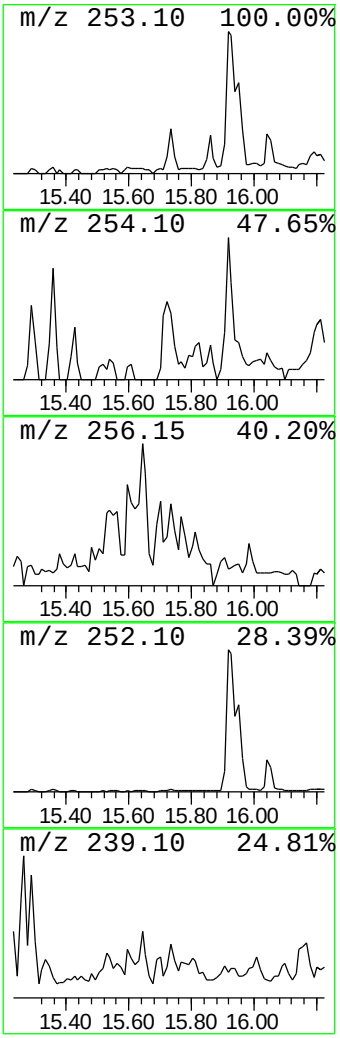
Peak Number 15 unknown15.73 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.73	3.30 ng	54875	Perylene-d12	16.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10-Oxo-5,5-dimethyl-5-sila-5,10-...	254	C14H14N2OSi	089052-45-9	47
2	5-Methyl-2-(N-ethyl-p-chlorophen...	254	C12H15ClN2S	075220-53-0	46
3	7,12-DIHYDROBENZO[K]FLUORANTHENE	254	C20H14	1000080-17-7	43
4	(7-Methyl-4,6,6a,7,8,10a-hexahyd...	254	C16H18N2O	1000192-61-1	38
5	2,5-Cyclohexadien-1-one, 2,5-dim...	253	C17H19NO	054245-93-1	32





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Sample : G2954-03 2X
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Instrument : BNA_F
ClientSampleId : TEC-E3

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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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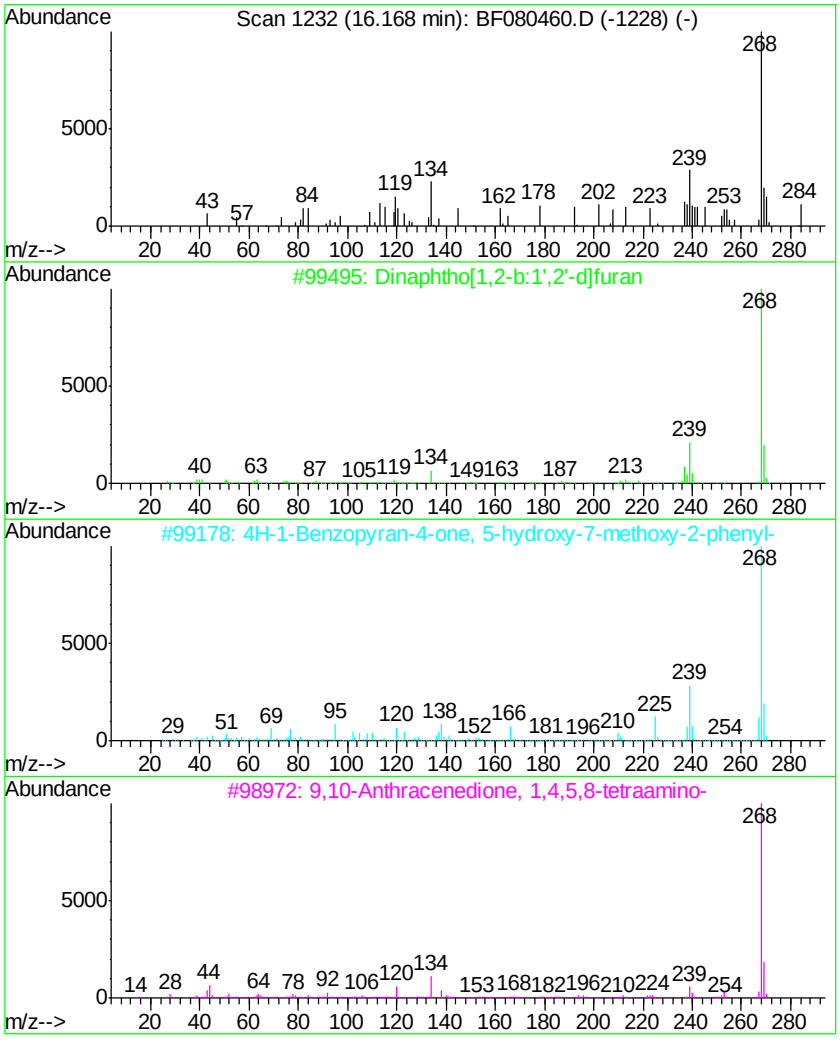
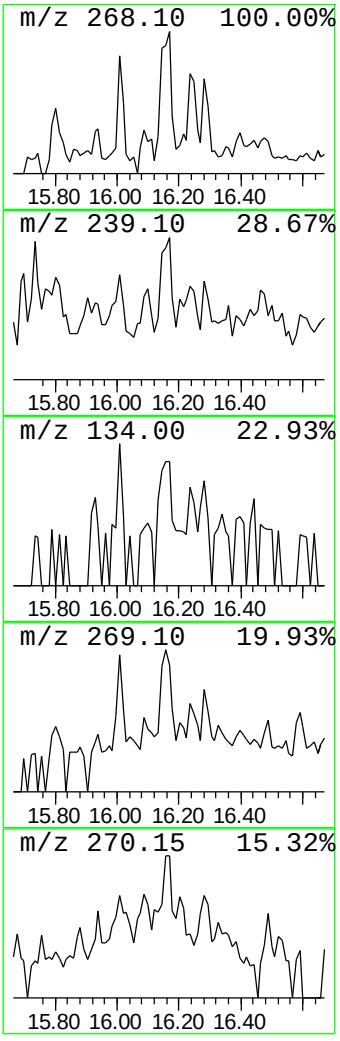
Peak Number 17 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.17	2.18 ng	36275	Perylene-d12	16.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	72
2	4H-1-Benzopyran-4-one, 5-hydroxy...	268	C16H12O4	000520-28-5	62
3	9,10-Anthracenedione, 1,4,5,8-te...	268	C14H12N4O2	002475-45-8	58
4	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	53
5	Spiro[benzofuran-2(3H),2'-oxiran...	268	C16H12O4	010173-78-1	46





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Sample : G2954-03 2X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TEC-E3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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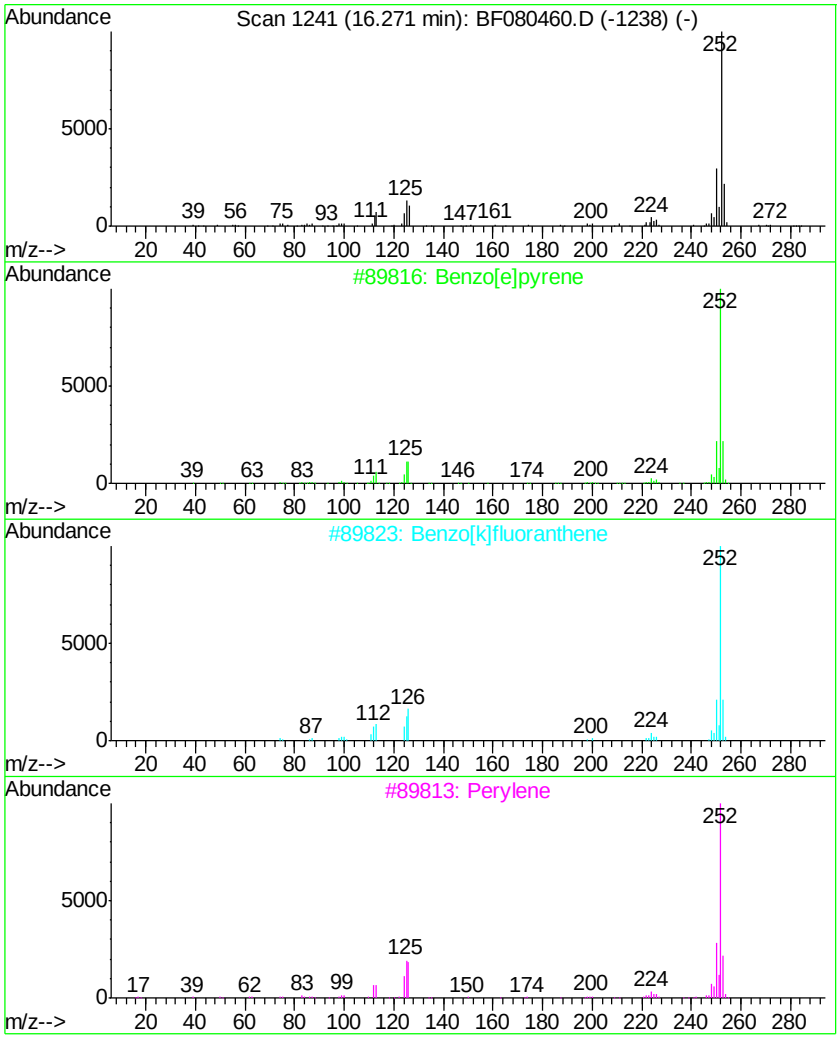
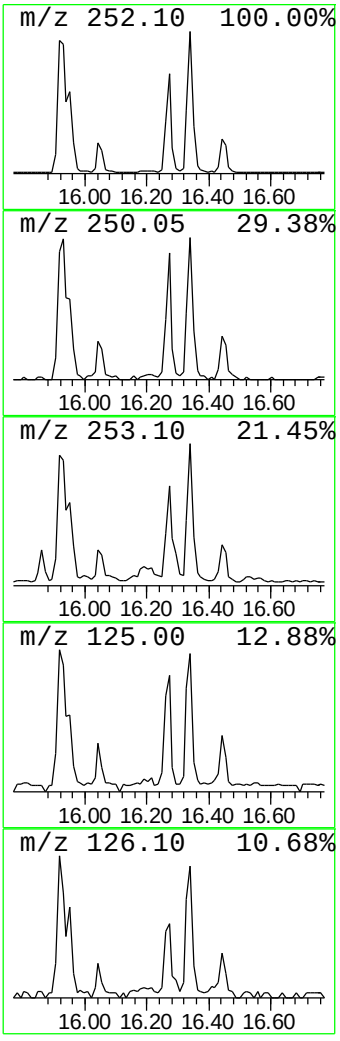
Peak Number 18 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.27	10.49 ng	174538	Perylene-d12	16.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Perylene	252	C20H12	000198-55-0	96
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
5	Benzo[a]pyrene	252	C20H12	000050-32-8	90





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Sample : G2954-03 2X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TEC-E3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071015.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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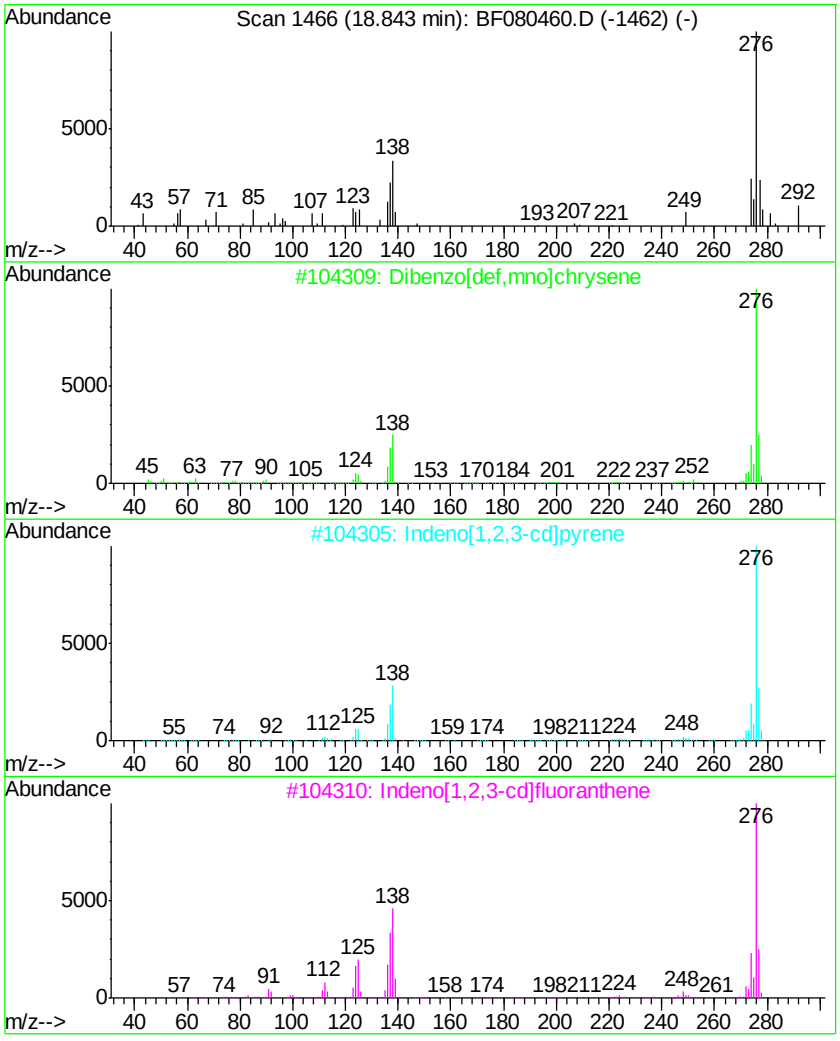
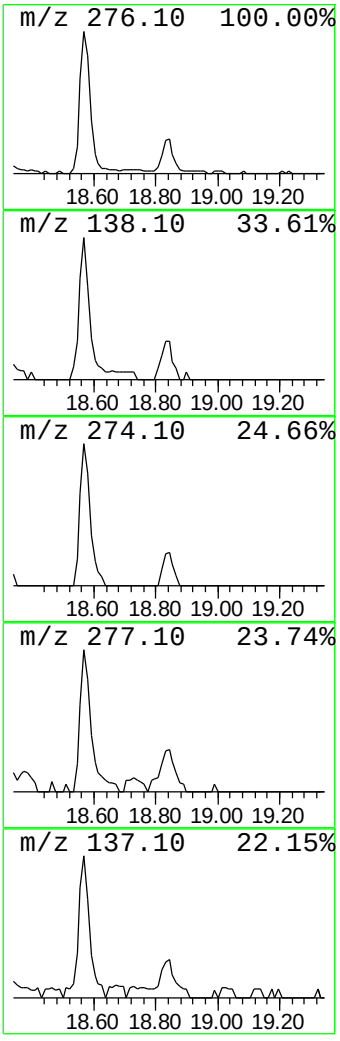
Peak Number 19 Dibenzo[def,mno]chrysene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.84	3.55 ng	59144	Perylene-d12	16.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	81
2	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	81
3	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	74
4	Benzo[ghi]perylene	276	C22H12	000191-24-2	68
5	2-Amino-3-cyano-4,5-diphenylthio...	276	C17H12N2S	042160-34-9	50





Tentatively Identified Compound (LSC) summary

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Data File : BF080460.D
Acq On : 14 Jul 2015 10:57
Operator : TP/UM
Sample : G2954-03 2X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TEC-E3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071015.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
Butane, 2-methoxy...	2.27	13.3	ng	49064	1	7.14	73774	20.0
2-Pentanone, 4-hy...	5.34	20.6	ng	76174	1	7.14	73774	20.0
unknown6.91	6.91	37.7	ng	139160	1	7.14	73774	20.0
Dodecane	10.58	2.5	ng	15803	3	10.18	123845	20.0
Eicosane	11.06	3.0	ng	37772	4	11.68	252191	20.0
Eicosane, 10-methyl-	11.93	2.4	ng	30228	4	11.68	252191	20.0
Phenanthrene, 2-m...	12.21	2.4	ng	30606	4	11.68	252191	20.0
4H-Cyclopenta[def...	12.31	4.4	ng	55621	4	11.68	252191	20.0
Phenanthrene, 2,5...	12.76	3.8	ng	48109	4	11.68	252191	20.0
11H-Benzo[b]fluorene	13.56	2.5	ng	78704	5	14.60	634207	20.0
Chrysene, 2-methyl-	15.09	2.1	ng	68208	5	14.60	634207	20.0
unknown15.73	15.73	3.3	ng	54875	6	16.41	332833	20.0
Dinaphtho[1,2-b:1...	16.17	2.2	ng	36275	6	16.41	332833	20.0
Benzo[e]pyrene	16.27	10.5	ng	174538	6	16.41	332833	20.0
Dibenzo[def,mno]c...	18.84	3.5	ng	59144	6	16.41	332833	20.0