LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\
Data File : BF082326.D
Acq On : 16 Oct 2015 15:20
Operator : UM/IZ
Sample : G4034-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CWC-1-20151014

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-BF101015.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	5.040	251	254	257	rBV	681364	795786	40.09%	3.814%
2	5.463	289	291	294	rBV	1084302	1107590	55.80%	5.308%
3	6.503	380	382	385	rBV	1246017	1132735	57.06%	5.429%
4	6.629	391	393	396	rBV	1084271	1196620	60.28%	5.735%
5	6.869	412	414	416	rBV	223913	277304	13.97%	1.329%
6	7.017	425	427	430	rBV	1089965	931554	46.93%	4.464%
7	7.429	461	463	466	rBV	711734	688225	34.67%	3.298%
8	8.149	524	526	535	rBV	484930	466797	23.52%	2.237%
9	9.223	618	620	623	rBV	1577228	1409087	70.99%	6.753%
10	9.623	653	655	657	rBV	314546	252420	12.72%	1.210%
11	9.761	665	667	669	rBV	17092	20862	1.05%	0.100%
12	9.829	669	673	677	rBV	28835	42097	2.12%	0.202%
13	9.909	677	680	681	rVV	446339	508935	25.64%	2.439%
14	9.932	681	682	685	rVB	47094	53874	2.71%	0.258%
15	10.115	695	698	699	rBV2	20051	27599	1.39%	0.132%
16	10.458	726	728	730	rBV	39402	56084	2.83%	0.269%
17	10.606	738	741	744	rVB2	12882	21231	1.07%	0.102%
18	10.698	746	749	751	rBV	1179164	1148419	57.85%	5.504%
19	10.801	756	758	763	rVB2	29759	43006	2.17%	0.206%
20	10.995	772	775	777	rBV2	16155	30810	1.55%	0.148%
21	11.144	784	788	791	rBV3	8288	26816	1.35%	0.129%
22	11.246	795	797	799	rBV	33337	41358	2.08%	0.198%
23	11.292	799	801	804	rVB2	26533	33088	1.67%	0.159%
24	11.395	807	810	811	rBV	624213	682892	34.40%	3.273%
25	11.418	811	812	814	rVV	757211	570667	28.75%	2.735%
26	11.464	814	816	818	rVB	69483	89510	4.51%	0.429%
27	11.635	828	831	833	rBV2	25646	57467	2.90%	0.275%
28	11.898	851	854	855	rBV	93226	131977	6.65%	0.632%
29	11.921	855	856	858	rVV	323097	279671	14.09%	1.340%
30	11.966	858	860	862	rVV2	34865	63581	3.20%	0.305%
31	12.001	862	863	868	rVB	149556	251520	12.67%	1.205%
32	12.195	876	880	881	rBV2	47233	85191	4.29%	0.408%
33	12.218	881	882	885	rVB	53804	51297	2.58%	0.246%
34	12.344	890	893	894	rBV2	21441	30857	1.55%	0.148%

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Misc :
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Instrument : BNA_F
ClientSampleId : CWC-1-20151014

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
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.447	899	902	903	rBV	76995	85802	4.32%	0.411%
36	12.481	903	905	908	rVB2	42192	67245	3.39%	0.322%
37	12.538	908	910	914	rVB2	41321	66424	3.35%	0.318%
38	12.607	914	916	919	rBV	648669	657789	33.14%	3.152%
39	12.709	923	925	927	rBV	50776	42372	2.13%	0.203%
40	12.767	927	930	931	rVB2	22356	30923	1.56%	0.148%
41	12.847	933	937	939	rBV	569071	791172	39.86%	3.792%
42	12.892	939	941	944	rVB2	34203	42676	2.15%	0.205%
43	12.995	947	950	952	rVV	1874306	1985030	100.00%	9.513%
44	13.064	955	956	959	rVB	48887	61905	3.12%	0.297%
45	13.178	962	966	968	rVB	84538	142529	7.18%	0.683%
46	13.247	971	972	974	rBV	59257	69514	3.50%	0.333%
47	13.292	974	976	977	rBV2	59059	76267	3.84%	0.366%
48	13.384	982	984	986	rVV	59919	63083	3.18%	0.302%
49	13.418	986	987	989	rVV	60771	54142	2.73%	0.259%
50	13.509	991	995	997	rVB4	9030	23475	1.18%	0.113%
51	13.601	997	1003	1004	rBV2	16446	45194	2.28%	0.217%
52	13.635	1004	1006	1009	rVB	15863	29906	1.51%	0.143%
53	13.715	1009	1013	1018	rBV2	35036	82042	4.13%	0.393%
54	13.841	1020	1024	1025	rBV	41360	61360	3.09%	0.294%
55	13.864	1025	1026	1031	rVV3	51323	130798	6.59%	0.627%
56	13.944	1031	1033	1038	rVB	101251	149716	7.54%	0.717%
57	14.115	1043	1048	1049	rBV2	767796	1116555	56.25%	5.351%
58	14.230	1057	1058	1061	rVB	42272	35632	1.80%	0.171%
59	14.378	1070	1071	1077	rVB3	17080	36299	1.83%	0.174%
60	14.550	1083	1086	1088	rVV	55028	64379	3.24%	0.309%
61	14.584	1088	1089	1092	rVB	27300	35088	1.77%	0.168%
62	14.652	1092	1095	1097	rBV3	31572	56662	2.85%	0.272%
63	14.687	1097	1098	1103	rVV2	25308	62928	3.17%	0.302%
64	14.778	1103	1106	1109	rVB3	15909	33163	1.67%	0.159%
65	15.007	1123	1126	1130	rVB4	13130	38836	1.96%	0.186%
66	15.075	1130	1132	1139	rBV3	60844	129372	6.52%	0.620%
67	15.270	1146	1149	1154	rBV	191300	441220	22.23%	2.115%
68	15.373	1156	1158	1160	rVB	35435	41652	2.10%	0.200%
69	15.567	1173	1175	1178	rVB	125135	152121	7.66%	0.729%
70	15.624	1178	1180	1184	rBV	138702	218624	11.01%	1.048%
71	15.693	1184	1186	1194	rVB	466110	663336	33.42%	3.179%

LSC Area Percent Report

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Acq On : 16 Oct 2015 15:20
Operator : UM/IZ
Sample : G4034-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CWC-1-20151014

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

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Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	16.253	1230	1235	1238	rVB3	13040	32120	1.62%	0.154%
73	17.156	1310	1314	1320	rBV2	60283	123173	6.21%	0.590%
74	17.338	1327	1330	1332	rBV2	11811	27462	1.38%	0.132%
75	17.384	1332	1334	1337	rVB2	10983	23063	1.16%	0.111%
76	17.590	1348	1352	1360	rBV	56987	143017	7.20%	0.685%
77	17.830	1370	1373	1376	rBV2	11017	25351	1.28%	0.121%

Sum of corrected areas: 20866344

LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\
Data File : BF082326.D
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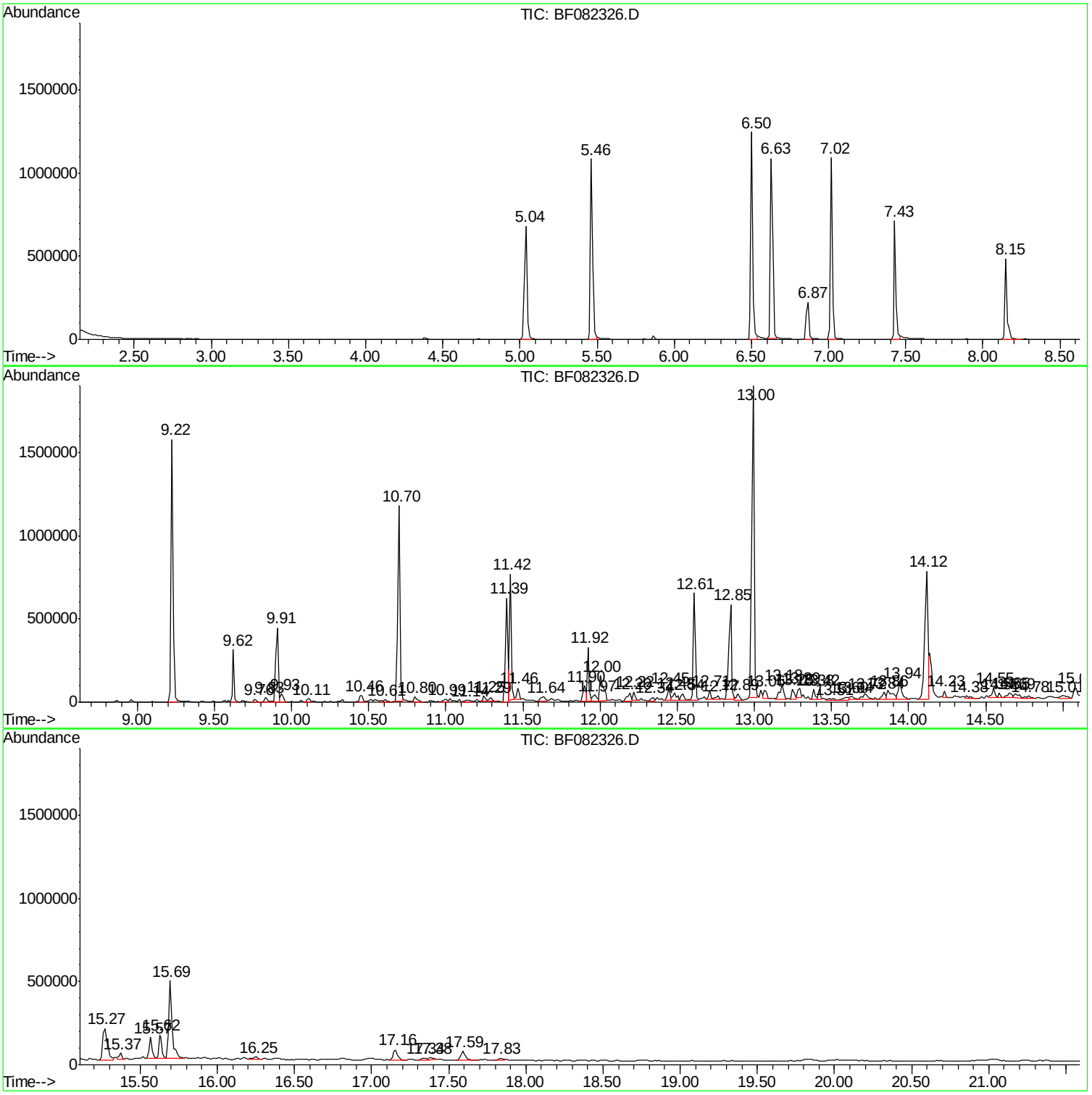
Operator : UM/IZ
Sample : G4034-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CWC-1-20151014

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.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\BF101715\
Data File : BF082326.D
Acq On : 16 Oct 2015 15:20
Operator : UM/IZ
Sample : G4034-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CWC-1-20151014

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

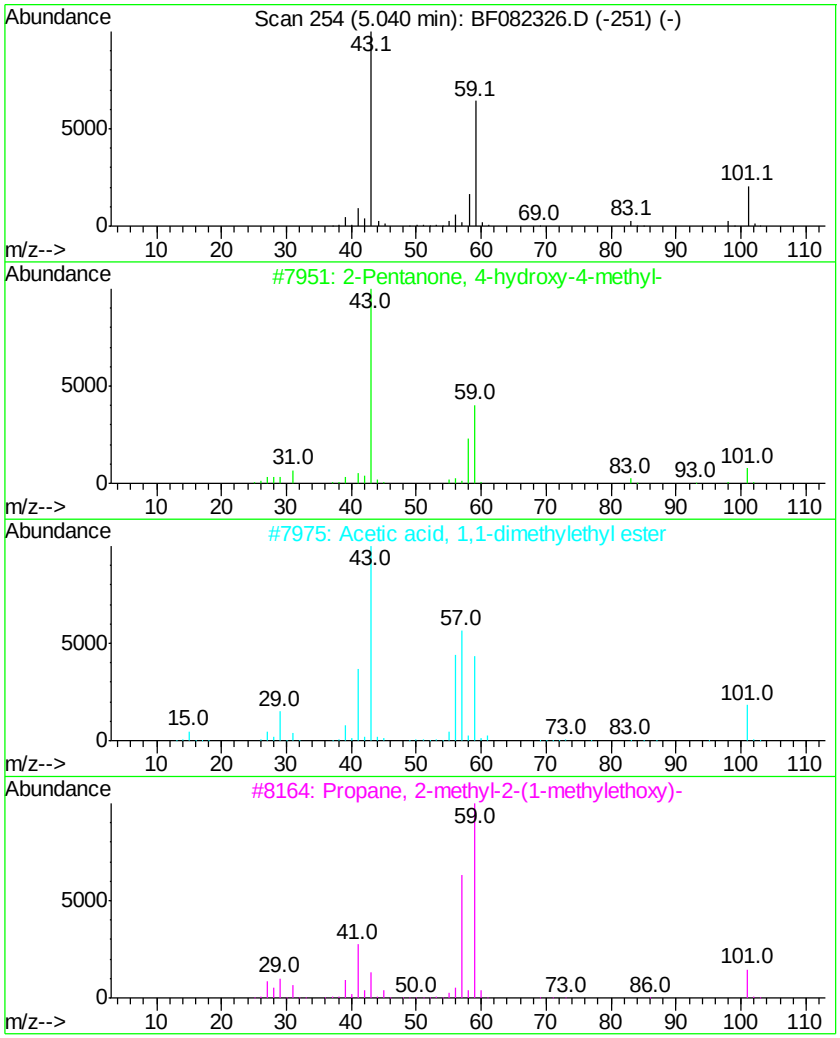
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

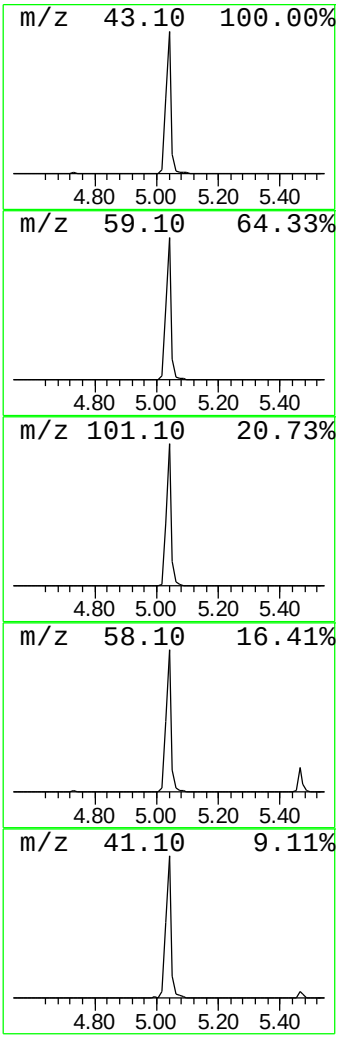
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.04	57.39 ng	795786	1,4-Dichlorobenzene-d4	6.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	28
4	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17





Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\
Data File : BF082326.D
Acq On : 16 Oct 2015 15:20
Operator : UM/IZ
Sample : G4034-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CWC-1-20151014

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

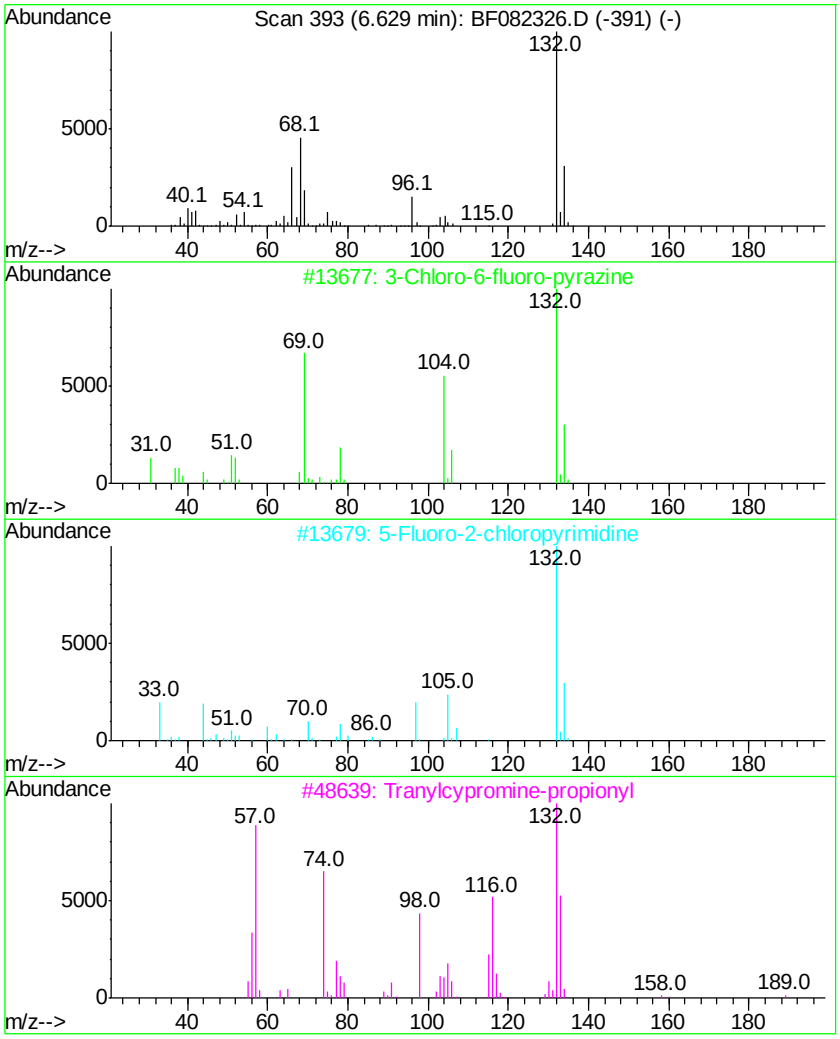
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

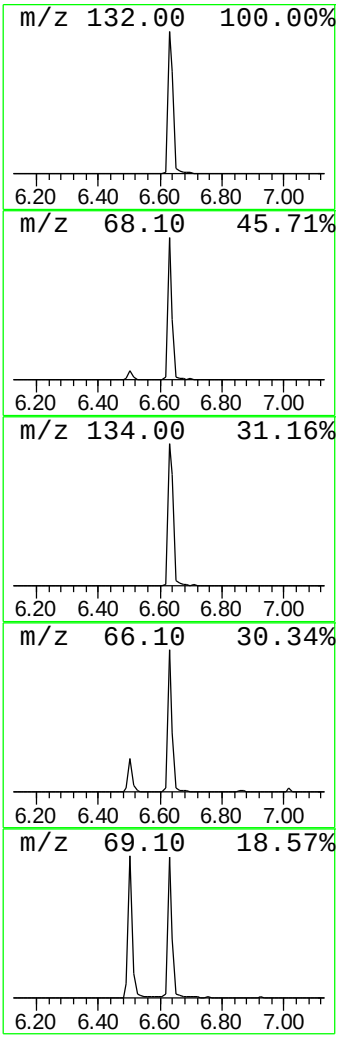
****

Peak Number 2 unknown6.63 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	86.30 ng	1196620	1,4-Dichlorobenzene-d4	6.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9





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Operator : UM/IZ
Sample : G4034-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CWC-1-20151014

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

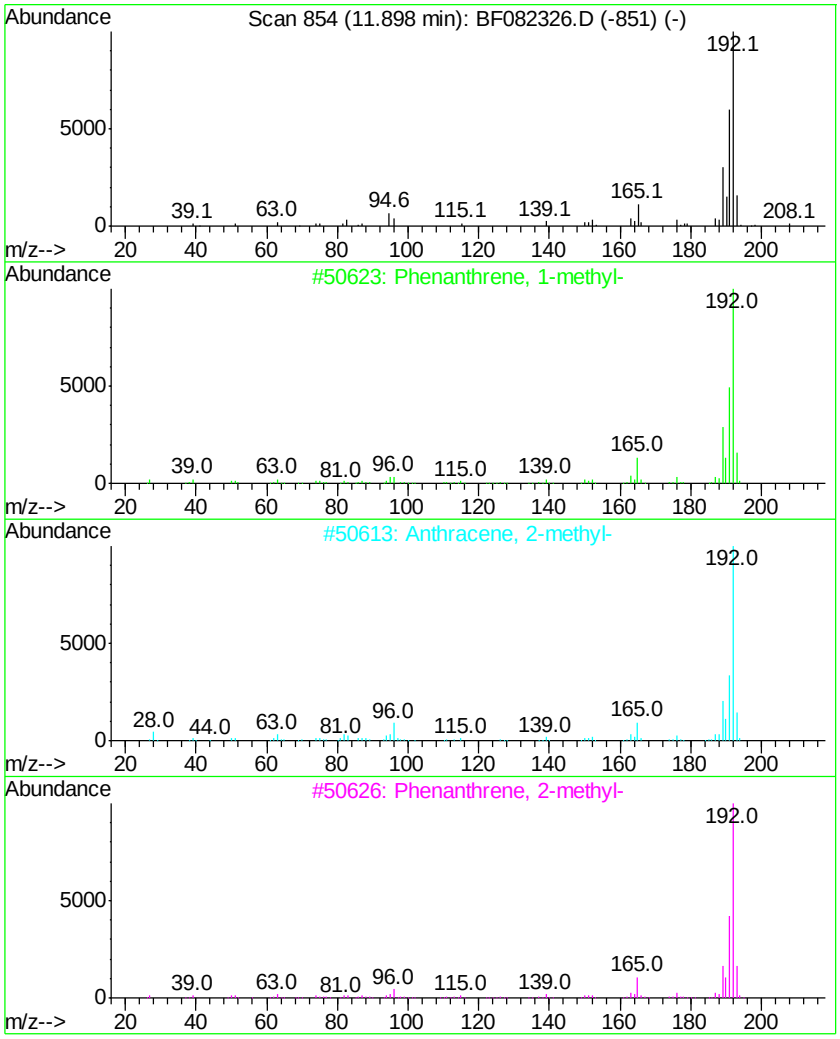
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

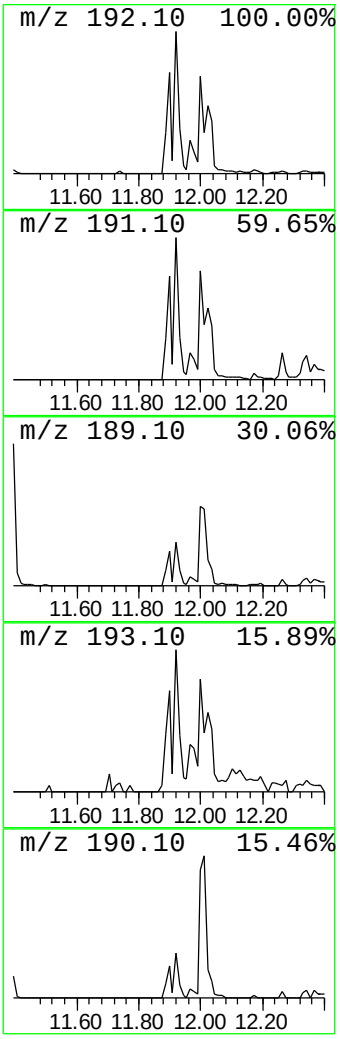
****

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	3.87 ng	131977	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\
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Acq On : 16 Oct 2015 15:20
Operator : UM/IZ
Sample : G4034-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CWC-1-20151014

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

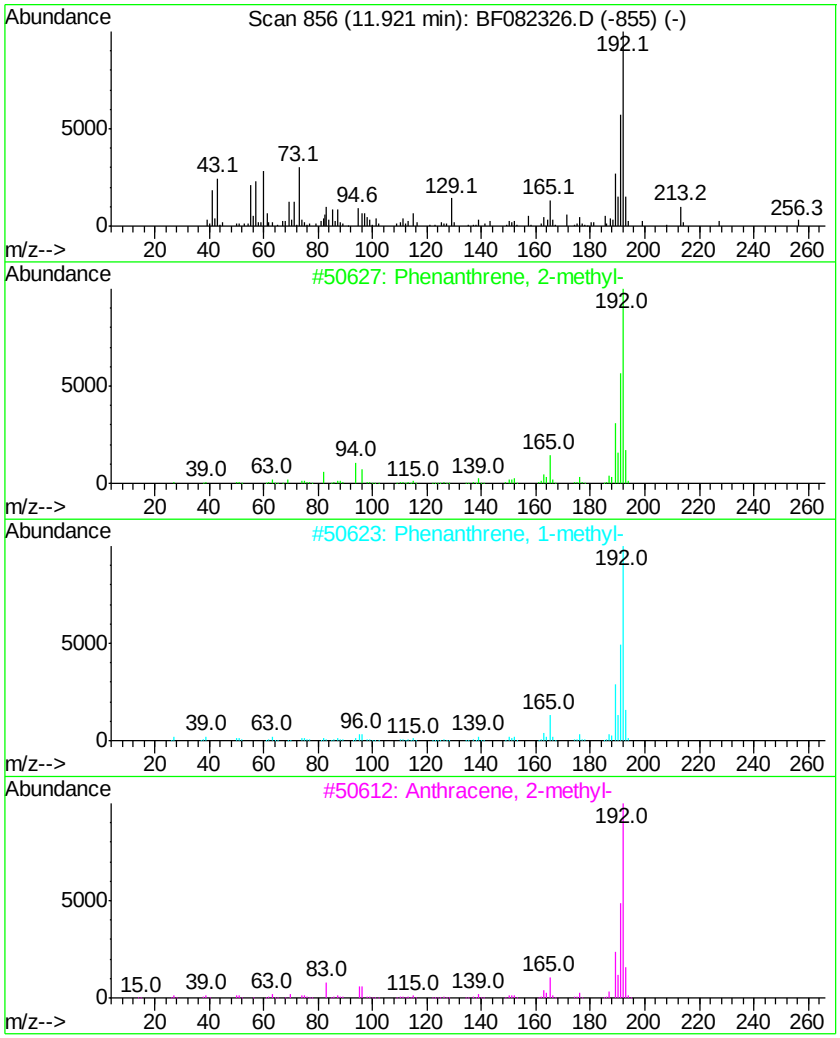
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

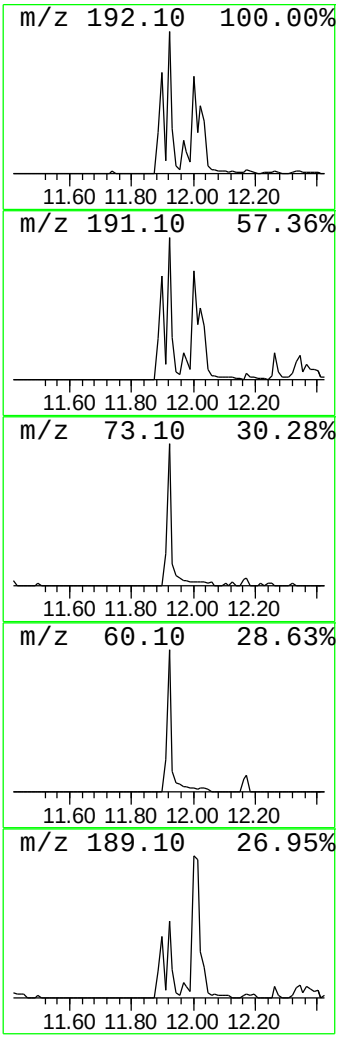
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	8.19 ng	279671	Phenanthrene-d10	11.40

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	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93





Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\
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Sample : G4034-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CWC-1-20151014

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.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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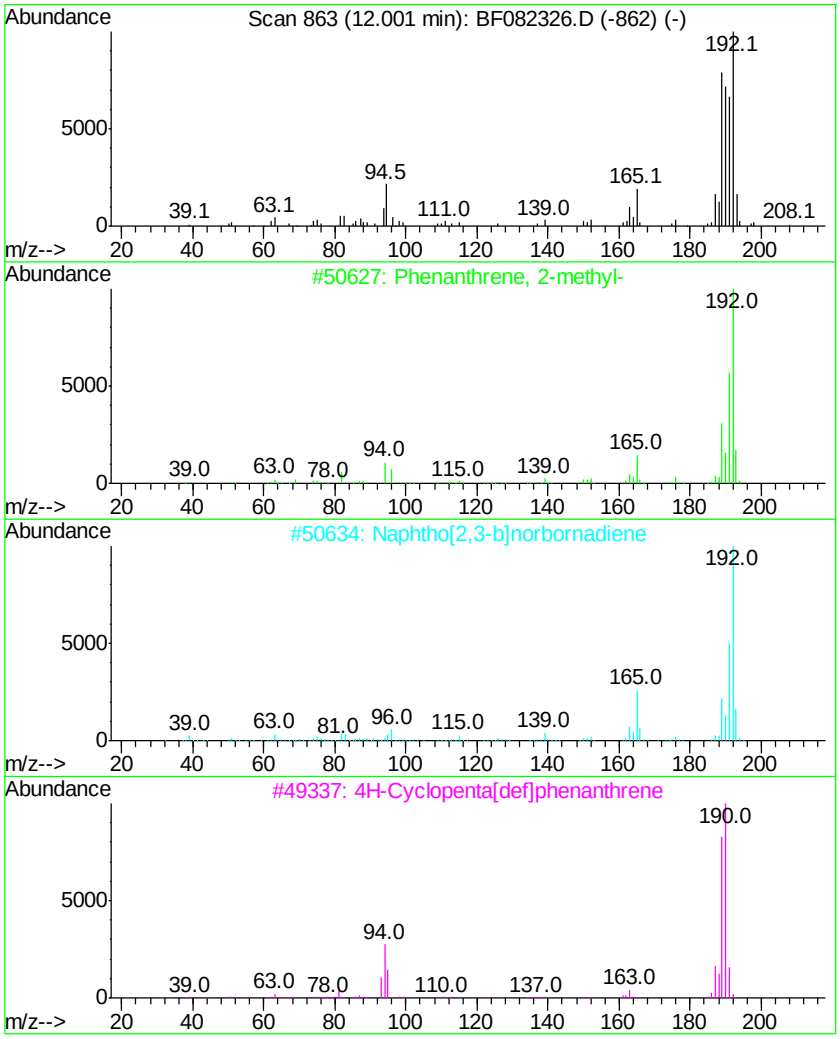
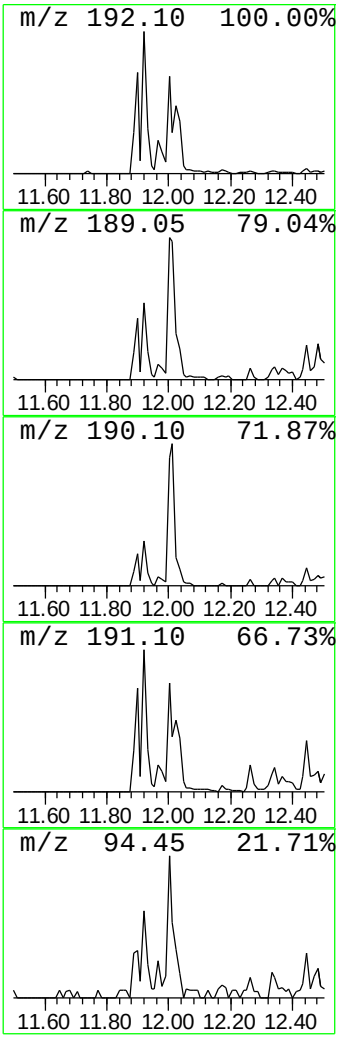
Peak Number 6 Naphtho[2,3-b]norbornadiene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	7.37 ng	251520	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	55
2	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	55
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	55
5	8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	51





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Data File : BF082326.D
Acq On : 16 Oct 2015 15:20
Operator : UM/IZ
Sample : G4034-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CWC-1-20151014

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

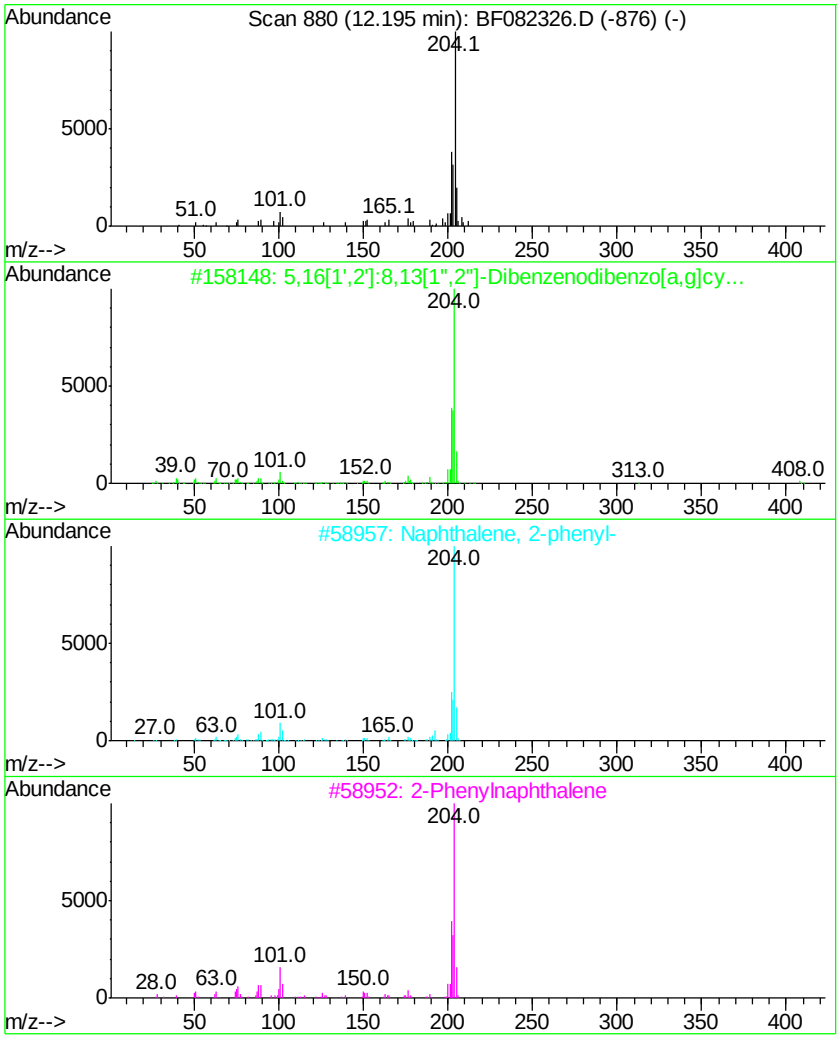
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

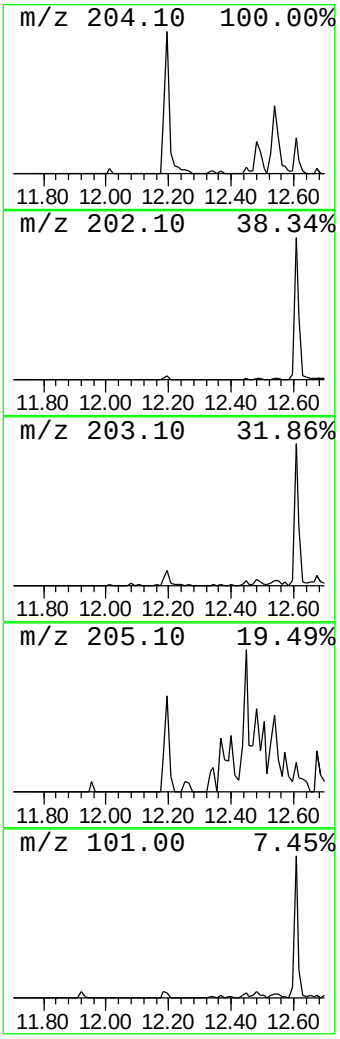
****

Peak Number 7 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	2.50 ng	85191	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
3	2-Phenylnaphthalene	204	C16H12	035465-71-5	70
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	53





Data Path : Z:\HPCHEM1\BNA F\DATA\BF101715\
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Acq On : 16 Oct 2015 15:20
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Sample : G4034-01
Misc :
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Instrument : BNA_F
ClientSampleId : CWC-1-20151014

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.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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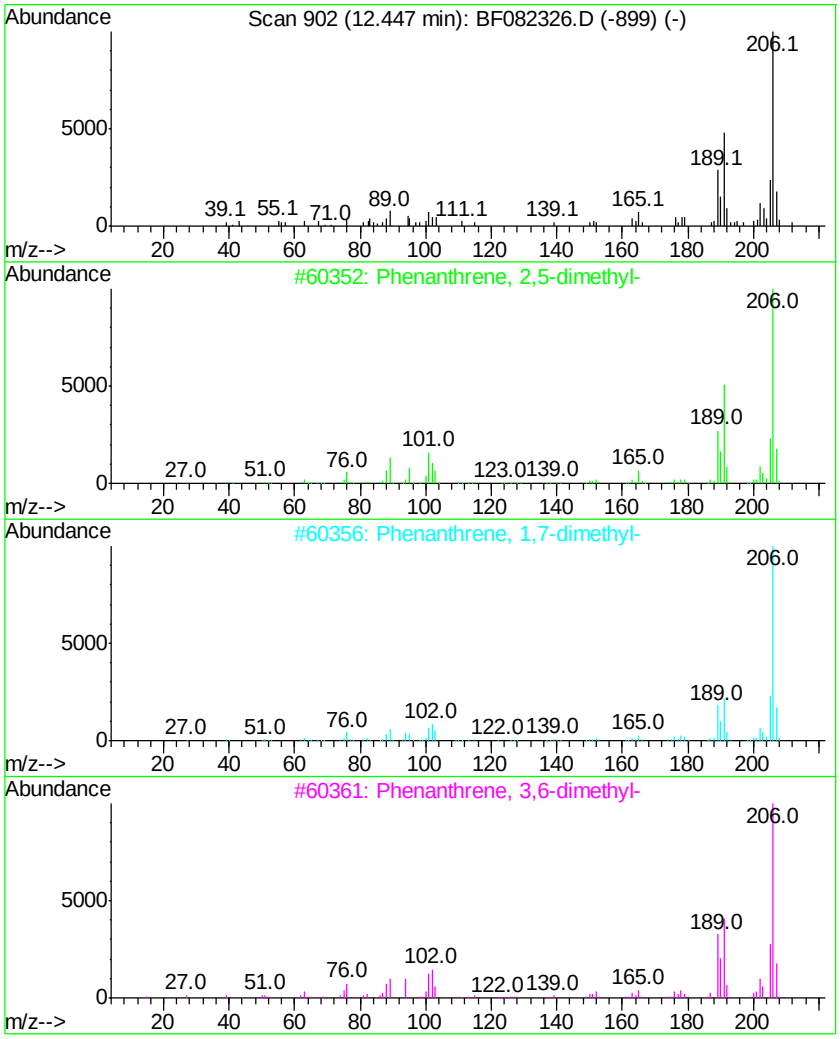
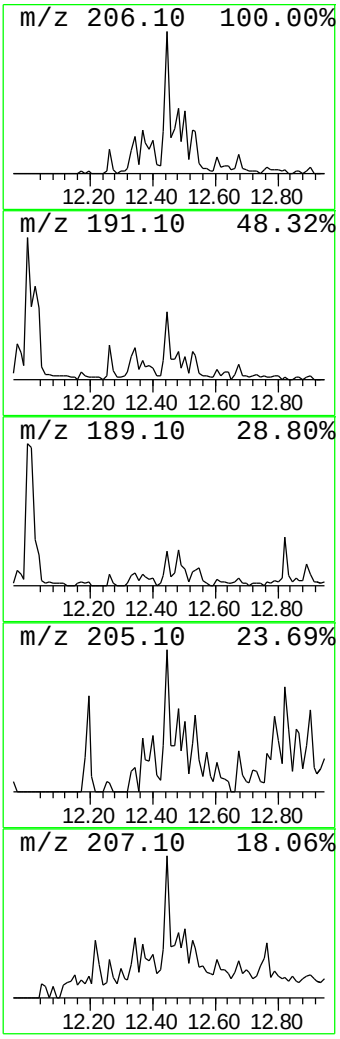
Peak Number 8 Phenanthrene, 2,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	2.51 ng	85802	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	94
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	92
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91





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Data File : BF082326.D
Acq On : 16 Oct 2015 15:20
Operator : UM/IZ
Sample : G4034-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CWC-1-20151014

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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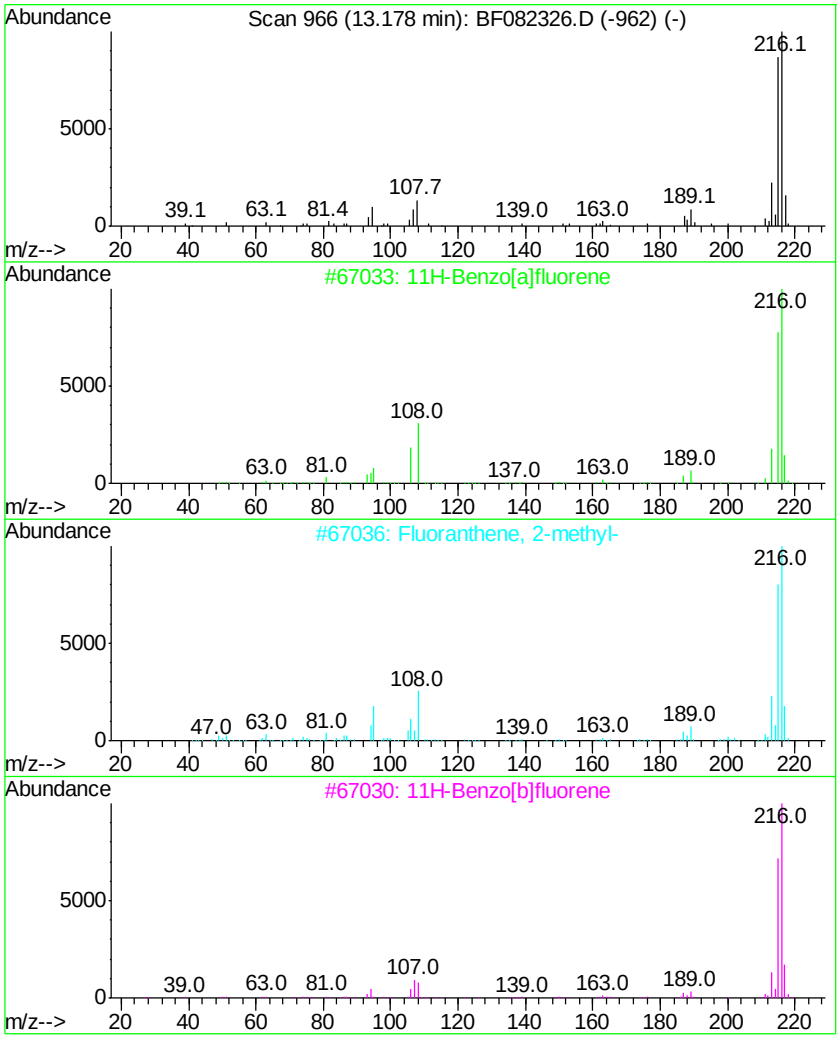
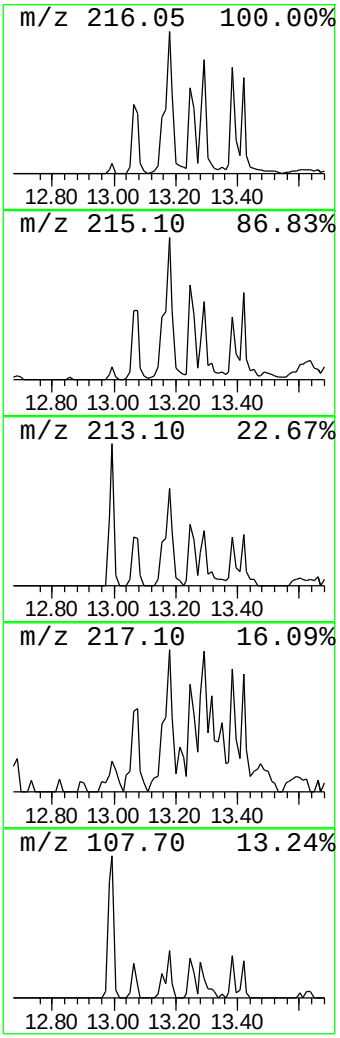
Peak Number 9 11H-Benzo[a]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.18	2.55 ng	142529	Chrysene-d12	14.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76





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Instrument : BNA_F
ClientSampleId : CWC-1-20151014

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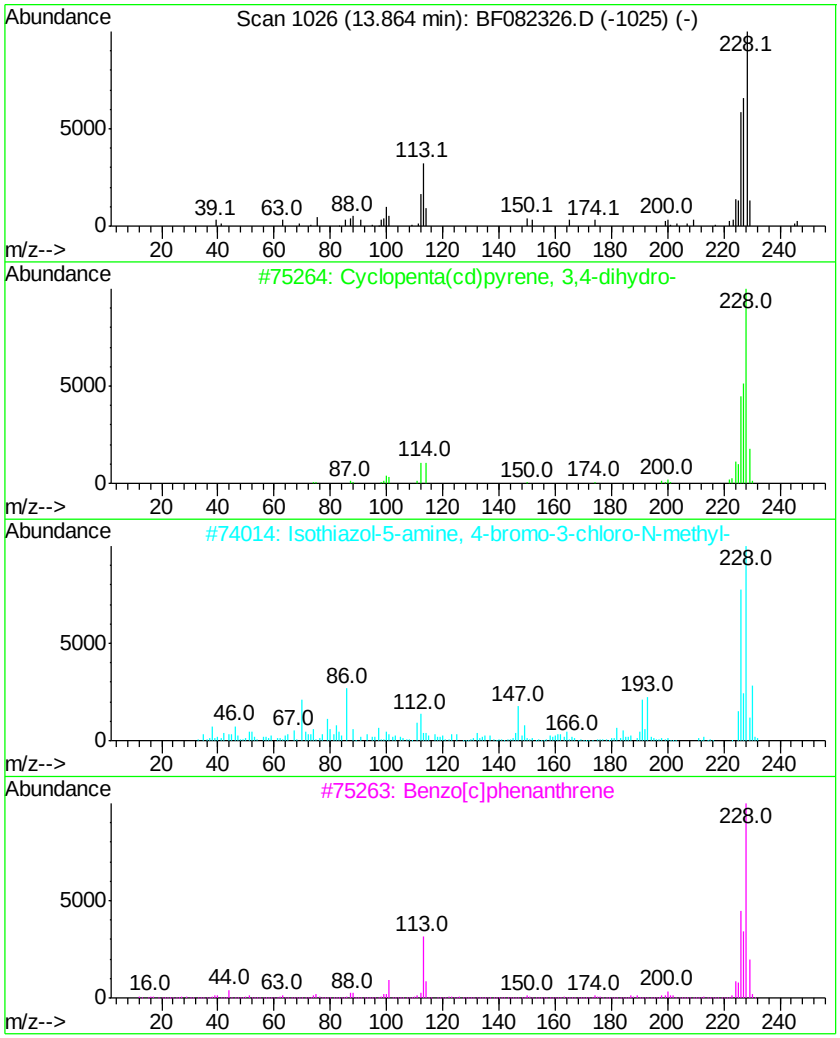
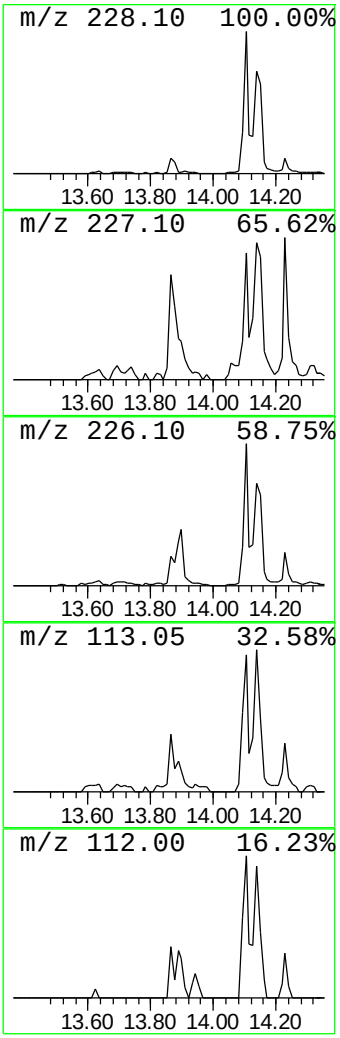
Peak Number 10 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	2.34 ng	130798	Chrysene-d12	14.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	58
2	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	50
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	47
4	Benz[a]anthracene	228	C18H12	000056-55-3	43
5	Purine-6(1H)-thione, 3,7-dimethy...	228	C7H8N4Se	023663-58-3	40





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Sample : G4034-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CWC-1-20151014

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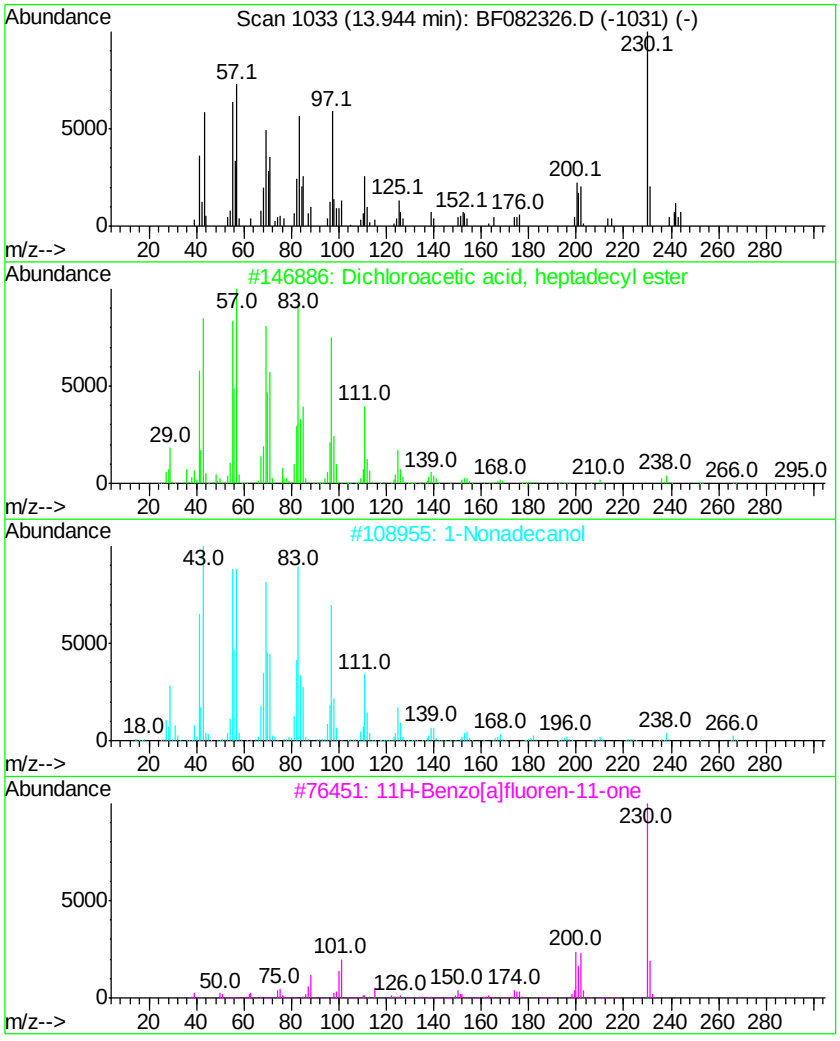
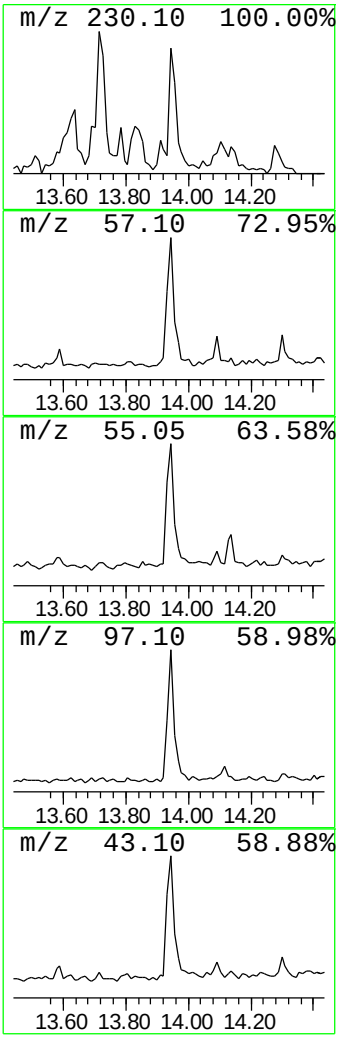
Peak Number 11 Dichloroacetic acid, heptad... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.94	2.68 ng	149716	Chrysene-d12	14.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	87
2	1-Nonadecanol	284	C19H40O	001454-84-8	84
3	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	64
4	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	50
5	11-Tricosene	322	C23H46	052078-56-5	50





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Sample : G4034-01
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ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CWC-1-20151014

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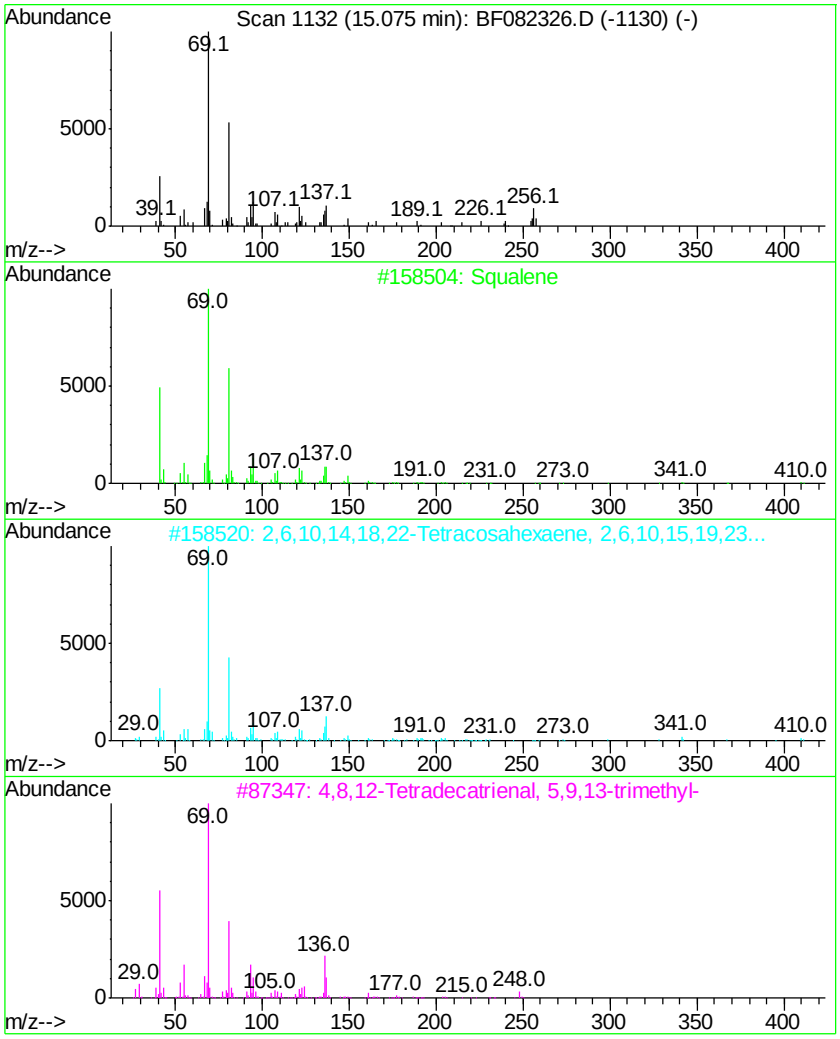
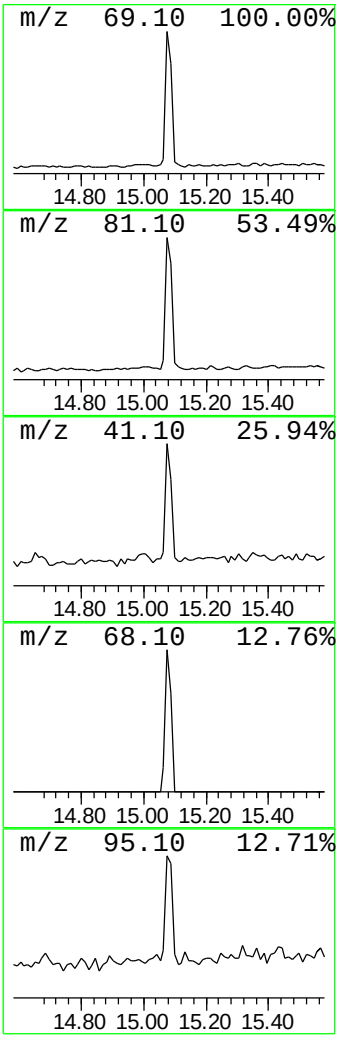
Peak Number 12 Squalene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.08	3.90 ng	129372	Perylene-d12	15.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Squalene	410	C30H50	007683-64-9	81
2	2,6,10,14,18,22-Tetracosahexaene...	410	C30H50	000111-02-4	72
3	4,8,12-Tetradecatrienal, 5,9,13-...	248	C17H28O	066408-55-7	59
4	7,11-Dimethyldodeca-2,6,10-trien...	208	C14H24O	125529-10-4	53
5	1,6,10,14-Hexadecatetraen-3-ol, ...	290	C20H34O	001113-21-9	50





Tentatively Identified Compound (LSC) summary

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Data File : BF082326.D
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TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	5.04	57.4	ng	795786	1	6.87	277304	20.0
unknown6.63	6.63	86.3	ng	1196620	1	6.87	277304	20.0
Phenanthrene, 1-m...	11.90	3.9	ng	131977	4	11.40	682892	20.0
Phenanthrene, 2-m...	11.92	8.2	ng	279671	4	11.40	682892	20.0
Naphtho[2,3-b]nor...	12.00	7.4	ng	251520	4	11.40	682892	20.0
5,16[1',2']:8,13[...	12.20	2.5	ng	85191	4	11.40	682892	20.0
Phenanthrene, 2,5...	12.45	2.5	ng	85802	4	11.40	682892	20.0
11H-Benzo[a]fluorene	13.18	2.5	ng	142529	5	14.12	1116560	20.0
Cyclopenta(cd)pyr...	13.86	2.3	ng	130798	5	14.12	1116560	20.0
Dichloroacetic ac...	13.94	2.7	ng	149716	5	14.12	1116560	20.0
Squalene	15.08	3.9	ng	129372	6	15.69	663336	20.0