LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090216\
Data File : BF089978.D
Acq On : 2 Sep 2016 16:43
Operator : UM/SJ
Sample : H4683-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOILSAMPLE-1

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-BF083116.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.644	4	5	13	rVB	52678	100635	2.76%	0.146%
2	1.758	13	15	55	rVB	1262789	3491668	95.88%	5.057%
3	4.753	274	277	283	rBV	549670	673286	18.49%	0.975%
4	5.210	314	317	319	rBV	2276163	2714823	74.55%	3.932%
5	6.273	407	410	413	rBV	2826176	2790151	76.62%	4.041%
6	6.399	418	421	423	rBV	3258612	2936373	80.63%	4.253%
7	6.639	439	442	444	rBV	1092145	1166706	32.04%	1.690%
8	6.787	453	455	458	rVB	2075118	2069819	56.84%	2.998%
9	7.199	488	491	494	rBV	1991970	1775343	48.75%	2.571%
10	7.919	552	554	558	rBV	1751703	1506369	41.36%	2.182%
11	8.730	622	625	627	rBV	88714	81715	2.24%	0.118%
12	8.993	646	648	651	rBV	2904198	3604269	98.97%	5.220%
13	9.325	675	677	678	rBV	141883	135607	3.72%	0.196%
14	9.393	681	683	685	rBV	996079	792260	21.76%	1.147%
15	9.439	685	687	690	rVB	68497	87346	2.40%	0.127%
16	9.519	692	694	697	rVB	218981	230910	6.34%	0.334%
17	9.668	704	707	708	rBV	1647894	1649182	45.29%	2.389%
18	9.690	708	709	712	rVB	187873	191354	5.25%	0.277%
19	9.862	722	724	726	rBV	121577	153747	4.22%	0.223%
20	9.976	732	734	736	rBV	62321	84232	2.31%	0.122%
21	10.068	740	742	745	rBV2	61791	134979	3.71%	0.195%
22	10.113	745	746	748	rVB	121074	103447	2.84%	0.150%
23	10.159	748	750	752	rBV3	36889	86676	2.38%	0.126%
24	10.205	752	754	756	rBV	243380	186091	5.11%	0.270%
25	10.273	756	760	763	rBV3	78799	126267	3.47%	0.183%
26	10.388	769	770	771	rVB	284564	195211	5.36%	0.283%
27	10.445	771	775	777	rBV	2152983	2028055	55.69%	2.937%
28	10.582	782	787	790	rBV3	123291	267726	7.35%	0.388%
29	10.753	798	802	803	rBV	86225	159792	4.39%	0.231%
30	10.902	811	815	816	rBV2	93008	166121	4.56%	0.241%
31	10.936	816	818	821	rVB	159186	200814	5.51%	0.291%
32	10.993	821	823	824	rBV	86444	99537	2.73%	0.144%
33	11.028	824	826	833	rVB	230074	301987	8.29%	0.437%
34	11.165	833	838	839	rBV2	1715614	3641667	100.00%	5.274%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090216\
Data File : BF089978.D
Acq On : 2 Sep 2016 16:43
Operator : UM/SJ
Sample : H4683-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOILSAMPLE-1

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-BF083116.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.211	839	842	844	rVB	559886	543553	14.93%	0.787%
36	11.313	847	851	852	rVB3	80158	136923	3.76%	0.198%
37	11.359	852	855	857	rBV2	138552	233501	6.41%	0.338%
38	11.439	860	862	863	rBV	65360	83915	2.30%	0.122%
39	11.462	863	864	866	rVB	203785	164538	4.52%	0.238%
40	11.542	868	871	873	rVB2	69794	135504	3.72%	0.196%
41	11.633	877	879	880	rBV	661363	559012	15.35%	0.810%
42	11.656	880	881	883	rVB	487118	594699	16.33%	0.861%
43	11.713	883	886	887	rBV	158745	234555	6.44%	0.340%
44	11.748	887	889	893	rVB2	571203	1216465	33.40%	1.762%
45	11.839	893	897	898	rBV3	58472	129622	3.56%	0.188%
46	11.862	898	899	901	rVB2	98552	81260	2.23%	0.118%
47	11.931	901	905	910	rVB2	375439	664984	18.26%	0.963%
48	12.079	915	918	919	rBV2	189959	237750	6.53%	0.344%
49	12.102	919	920	922	rBV	71630	104581	2.87%	0.151%
50	12.182	924	927	928	rBV	432708	461622	12.68%	0.669%
51	12.216	928	930	931	rVV	203452	213170	5.85%	0.309%
52	12.262	931	934	938	rVB3	322181	482755	13.26%	0.699%
53	12.342	938	941	943	rBV	2558647	2790279	76.62%	4.041%
54	12.399	943	946	947	rBV2	89461	134742	3.70%	0.195%
55	12.422	947	948	950	rVB	127641	163796	4.50%	0.237%
56	12.468	950	952	956	rBV3	172137	349270	9.59%	0.506%
57	12.559	958	960	963	rBV	2270620	2782904	76.42%	4.031%
58	12.616	963	965	968	rVB2	144830	261265	7.17%	0.378%
59	12.685	968	971	972	rBV	168216	207431	5.70%	0.300%
60	12.719	972	974	976	rBV	3298190	3095670	85.01%	4.484%
61	12.788	976	980	981	rBV2	235039	298049	8.18%	0.432%
62	12.891	983	989	991	rVB2	379723	766495	21.05%	1.110%
63	12.959	991	995	996	rBV	211742	312395	8.58%	0.452%
64	12.994	996	998	1000	rVV	427367	442722	12.16%	0.641%
65	13.085	1004	1006	1007	rBV	221149	225144	6.18%	0.326%
66	13.108	1007	1008	1011	rBV	211788	218752	6.01%	0.317%
67	13.188	1013	1015	1020	rVB3	93397	201387	5.53%	0.292%
68	13.314	1020	1026	1027	rBV5	119125	381237	10.47%	0.552%
69	13.394	1030	1033	1035	rBV	242469	364024	10.00%	0.527%
70	13.496	1040	1042	1044	rBV	320187	446981	12.27%	0.647%
71	13.531	1044	1045	1046	rVV	227120	192040	5.27%	0.278%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090216\
Data File : BF089978.D
Acq On : 2 Sep 2016 16:43
Operator : UM/SJ
Sample : H4683-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOILSAMPLE-1

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-BF083116.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.599	1049	1051	1052	rVB	231889	244407	6.71%	0.354%
73	13.634	1052	1054	1061	rBV4	259825	342782	9.41%	0.496%
74	13.748	1061	1064	1066	rBV2	1986020	3430965	94.21%	4.969%
75	13.851	1070	1073	1074	rBV2	126289	147710	4.06%	0.214%
76	13.885	1074	1076	1077	rBV2	98420	109657	3.01%	0.159%
77	13.977	1082	1084	1085	rVB2	98439	118190	3.25%	0.171%
78	14.068	1090	1092	1094	rBV3	75796	118552	3.26%	0.172%
79	14.137	1094	1098	1099	rBV	393032	492759	13.53%	0.714%
80	14.171	1099	1101	1103	rVV	197955	174407	4.79%	0.253%
81	14.228	1103	1106	1107	rVB2	149355	171681	4.71%	0.249%
82	14.262	1107	1109	1113	rBV5	162635	397496	10.92%	0.576%
83	14.331	1113	1115	1118	rVB2	95380	127314	3.50%	0.184%
84	14.434	1122	1124	1125	rBV	87822	104939	2.88%	0.152%
85	14.582	1135	1137	1138	rBV	117332	132483	3.64%	0.192%
86	14.662	1142	1144	1148	rVB3	100276	199969	5.49%	0.290%
87	14.742	1148	1151	1155	rBV	1166486	2196790	60.32%	3.182%
88	14.834	1156	1159	1161	rVV2	220453	292420	8.03%	0.424%
89	14.994	1171	1173	1175	rVV	715391	749135	20.57%	1.085%
90	15.051	1175	1178	1180	rVB	882704	1121824	30.81%	1.625%
91	15.097	1180	1182	1190	rBV2	872501	1548514	42.52%	2.243%
92	15.337	1201	1203	1204	rBV	76066	103198	2.83%	0.149%
93	15.531	1218	1220	1222	rBV	157685	232164	6.38%	0.336%
94	16.194	1274	1278	1282	rVB3	142484	326272	8.96%	0.473%
95	16.331	1287	1290	1294	rVV2	381751	697811	19.16%	1.011%
96	16.525	1305	1307	1309	rBV	77720	136767	3.76%	0.198%
97	16.697	1318	1322	1327	rVB	313581	603960	16.58%	0.875%
98	18.068	1438	1442	1448	rVB4	93694	293079	8.05%	0.424%
99	18.560	1480	1485	1492	rVB2	105647	410924	11.28%	0.595%
100	18.708	1494	1498	1502	rBV	49023	170722	4.69%	0.247%

Sum of corrected areas: 69044048

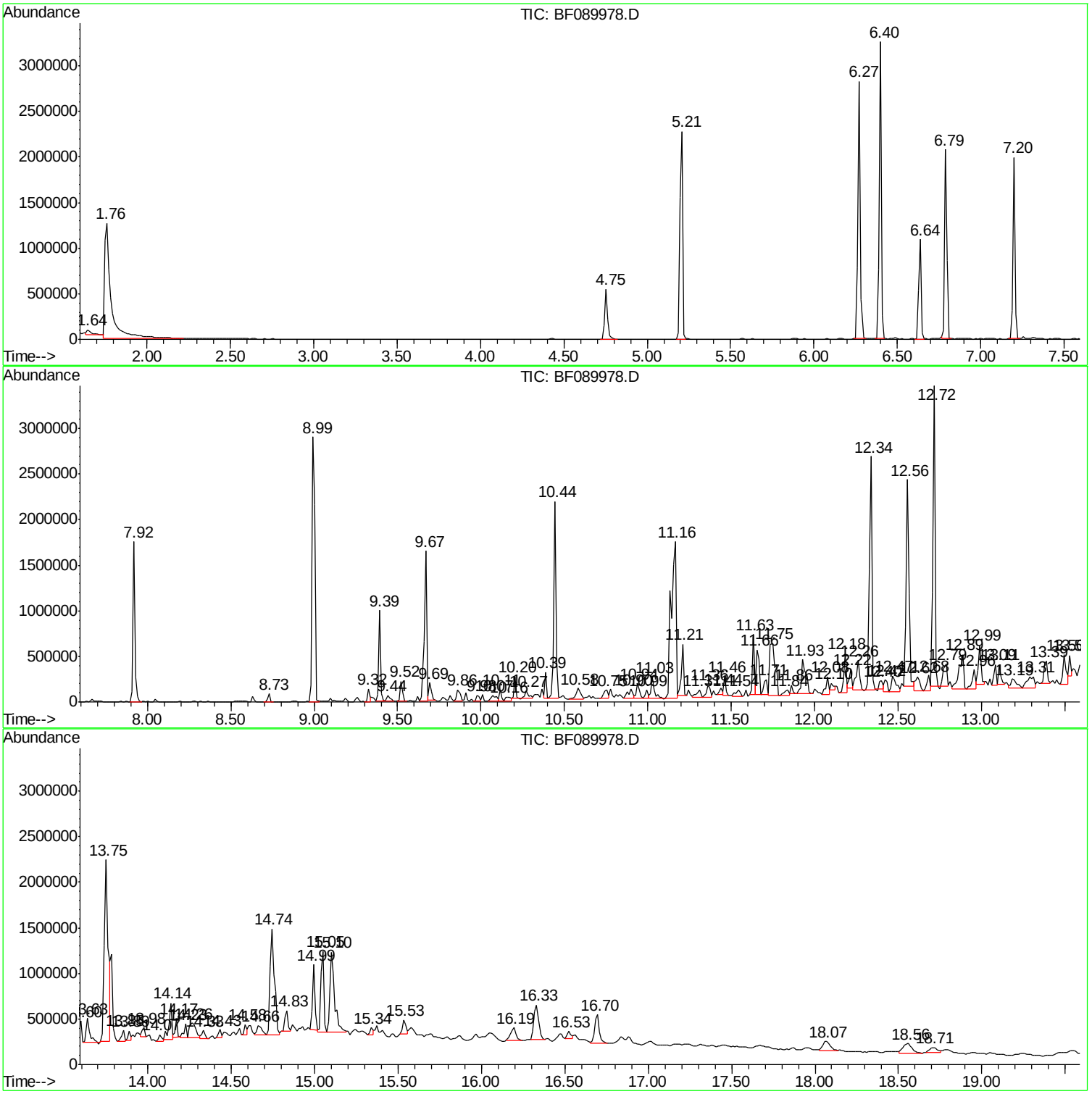
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090216\
Data File : BF089978.D
Acq On : 2 Sep 2016 16:43
Operator : UM/SJ
Sample : H4683-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOILSAMPLE-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090216\
Data File : BF089978.D
Acq On : 2 Sep 2016 16:43
Operator : UM/SJ
Sample : H4683-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOILSAMPLE-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

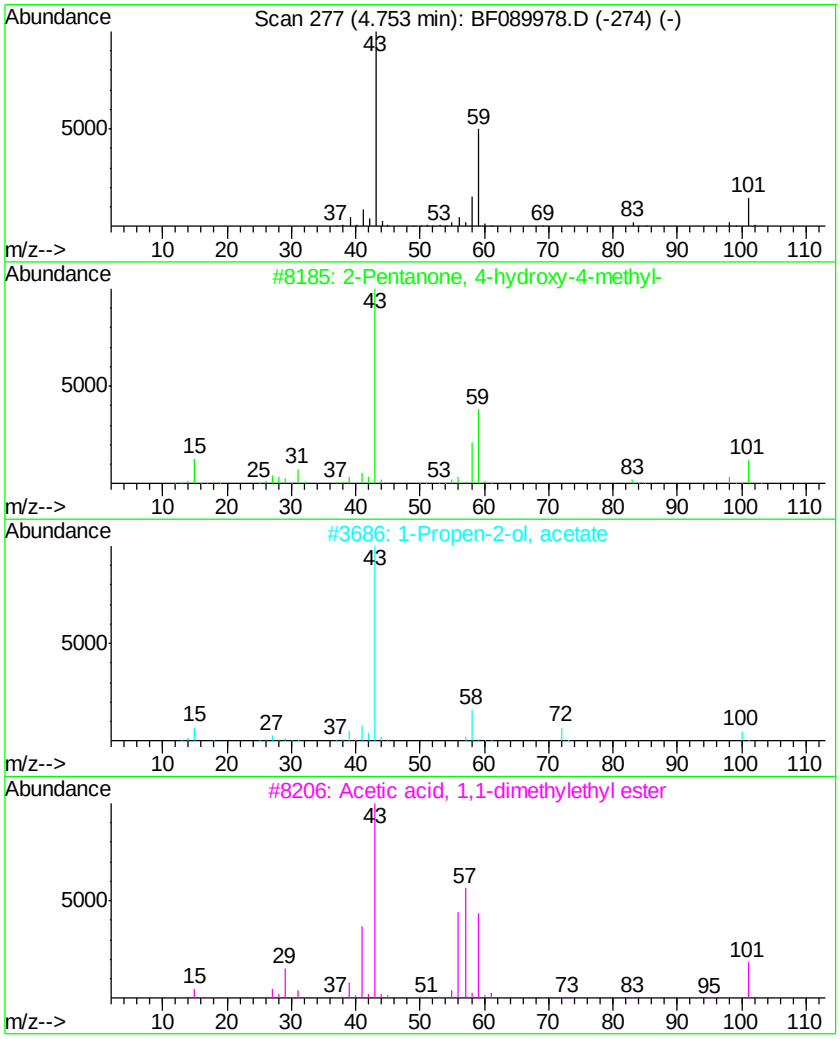
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

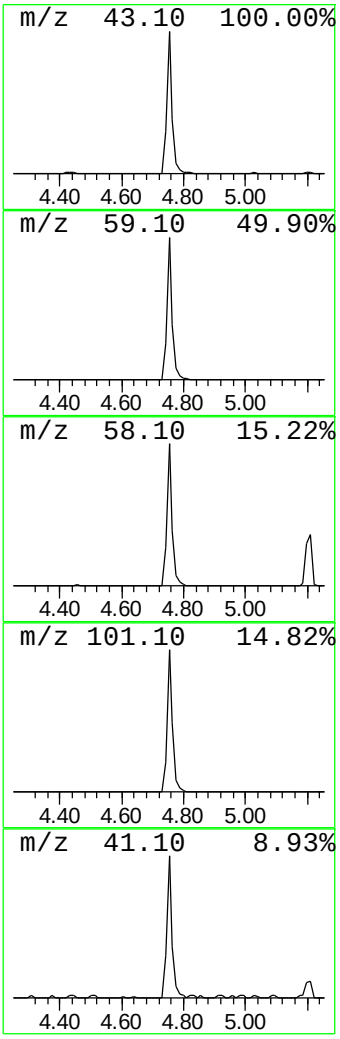
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.75	11.54 ng	673286	1,4-Dichlorobenzene-d4	6.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
3	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	9
4	Formamide, N,N-diethyl-	101	C5H11NO	000617-84-5	7
5	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	7





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090216\
Data File : BF089978.D
Acq On : 2 Sep 2016 16:43
Operator : UM/SJ
Sample : H4683-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOILSAMPLE-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

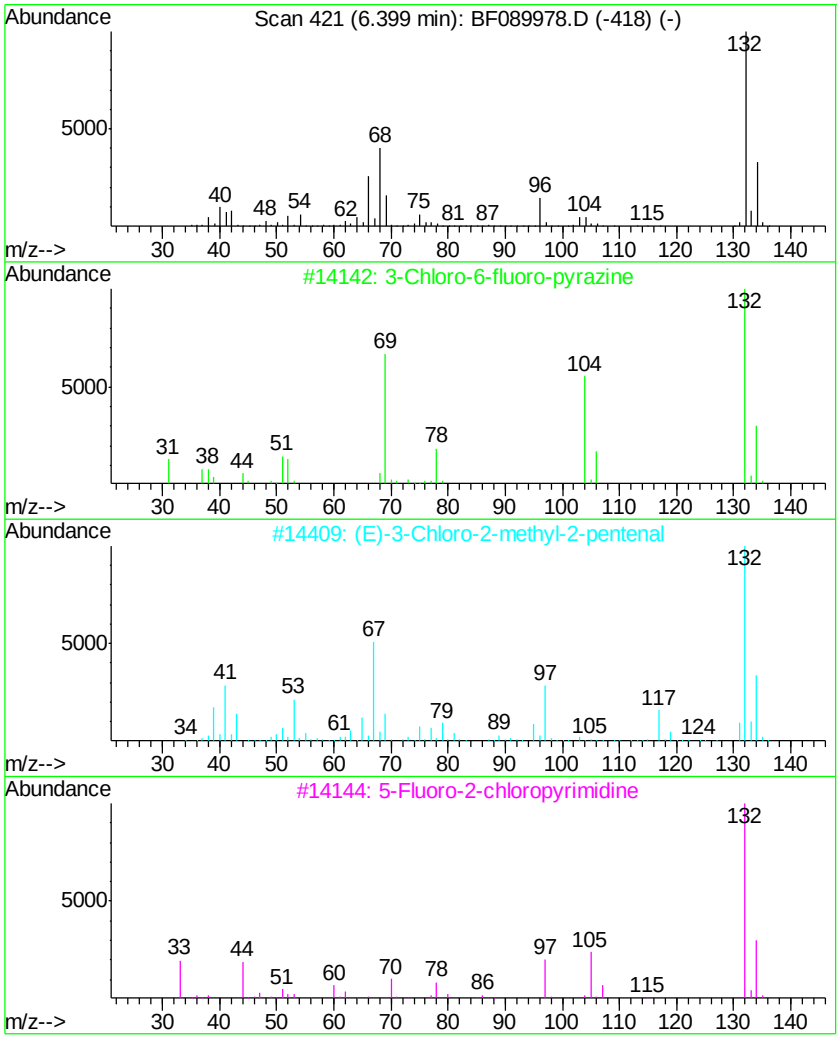
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

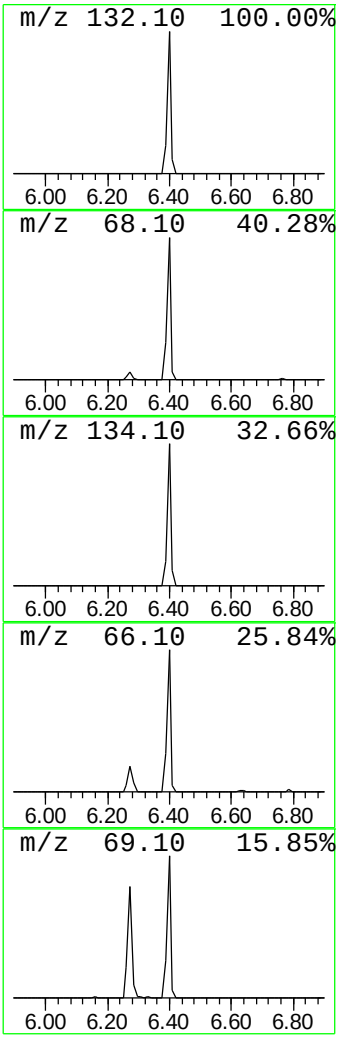
****

Peak Number 3 unknown6.40 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.40	50.34 ng	2936370	1,4-Dichlorobenzene-d4	6.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
4	5-Aminoindole	132	C8H8N2	005192-03-0	12
5	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090216\
Data File : BF089978.D
Acq On : 2 Sep 2016 16:43
Operator : UM/SJ
Sample : H4683-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOILSAMPLE-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

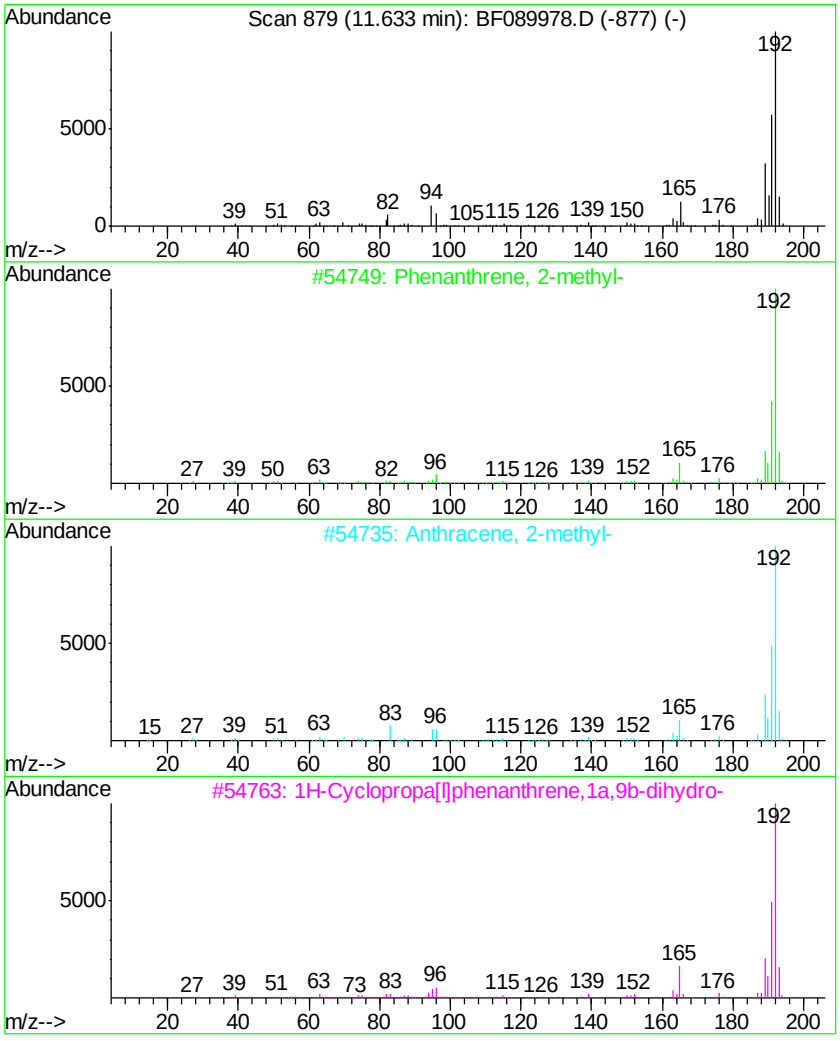
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

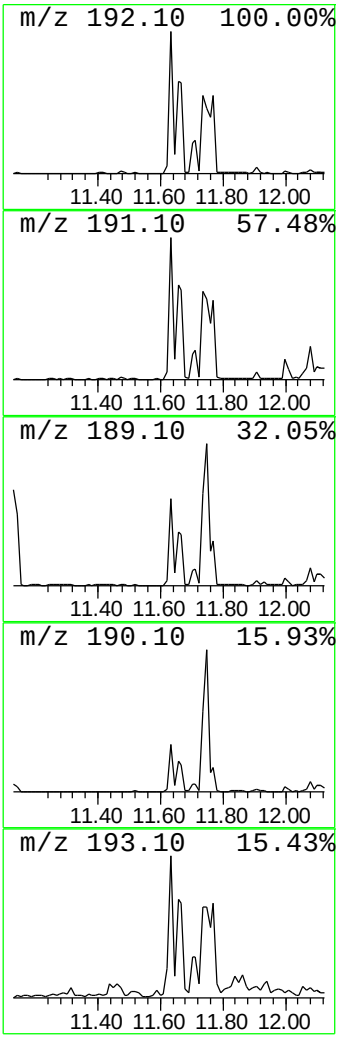
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.63	3.07 ng	559012	Phenanthrene-d10	11.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090216\
Data File : BF089978.D
Acq On : 2 Sep 2016 16:43
Operator : UM/SJ
Sample : H4683-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOILSAMPLE-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

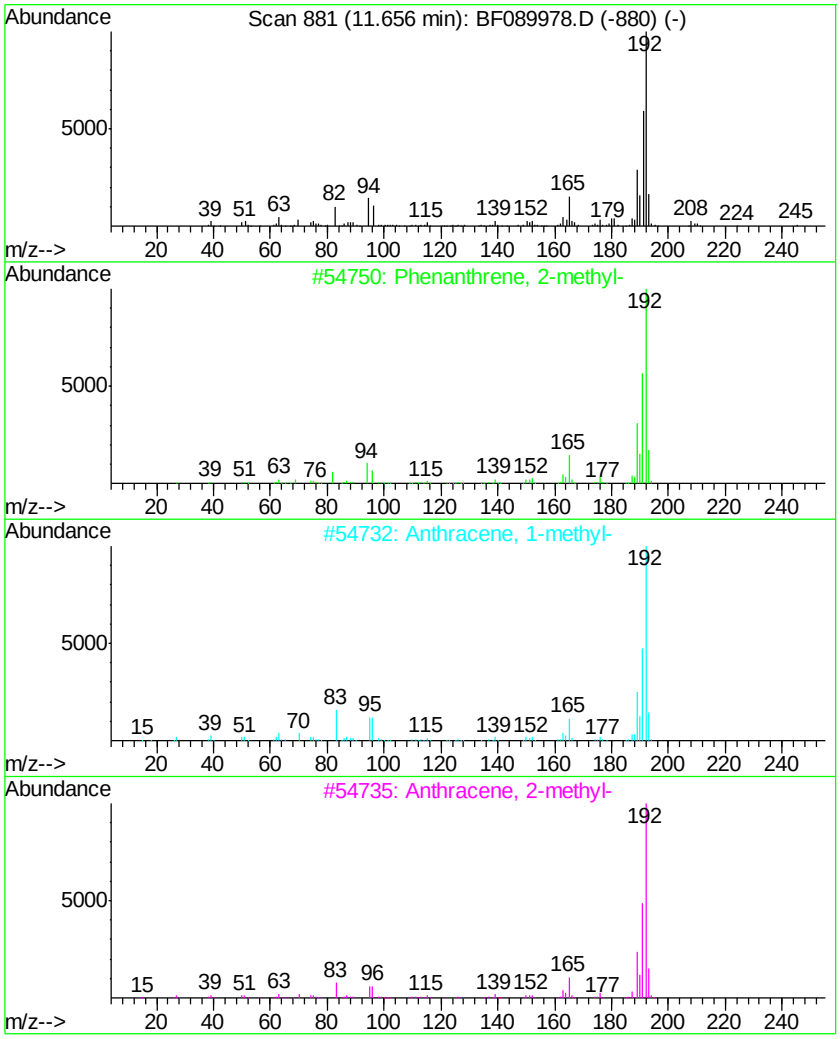
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

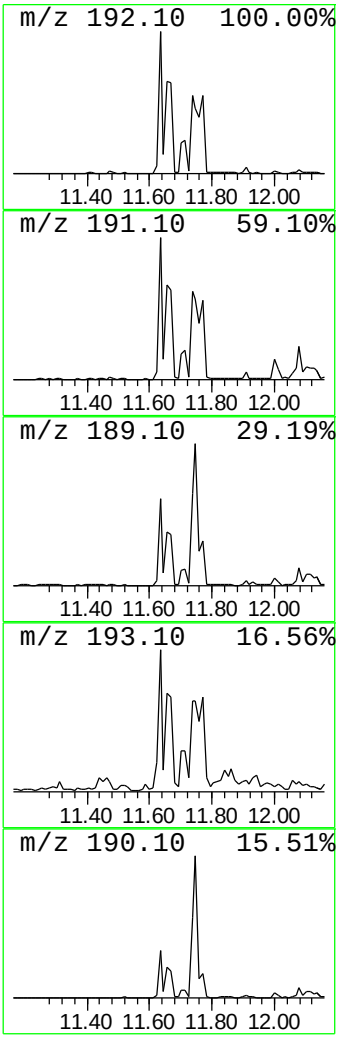
****

Peak Number 6 Anthracene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.66	3.27 ng	594699	Phenanthrene-d10	11.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090216\
Data File : BF089978.D
Acq On : 2 Sep 2016 16:43
Operator : UM/SJ
Sample : H4683-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOILSAMPLE-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

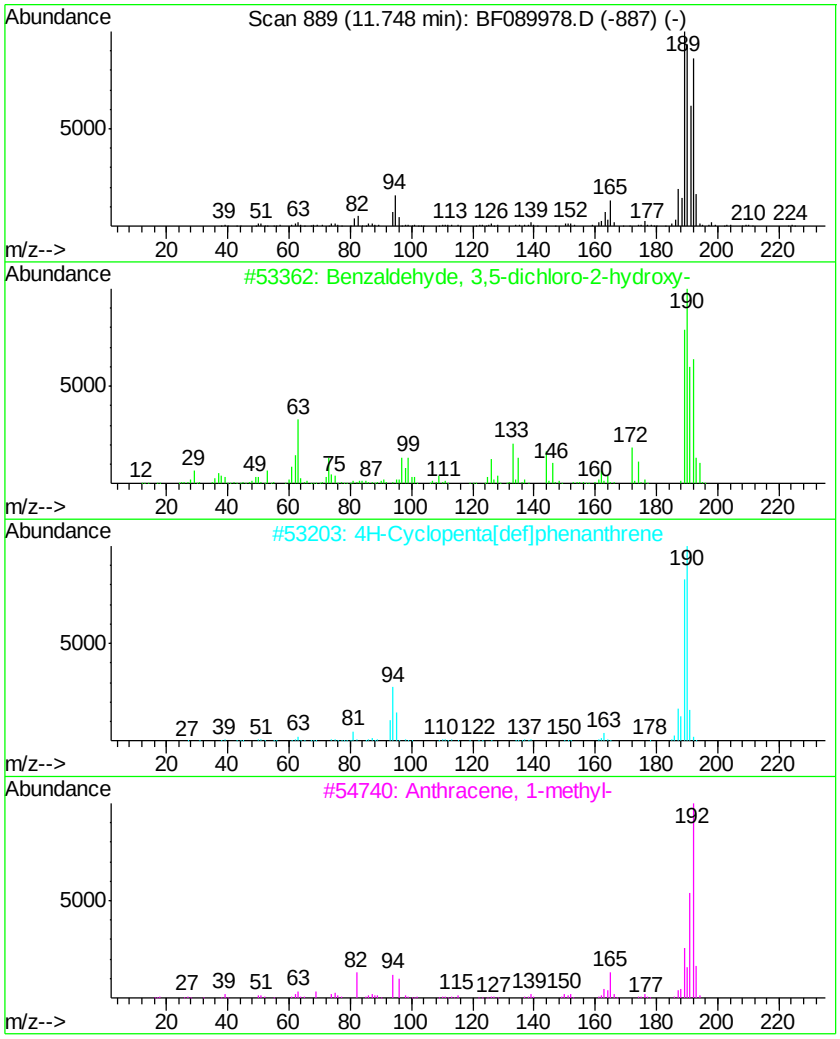
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

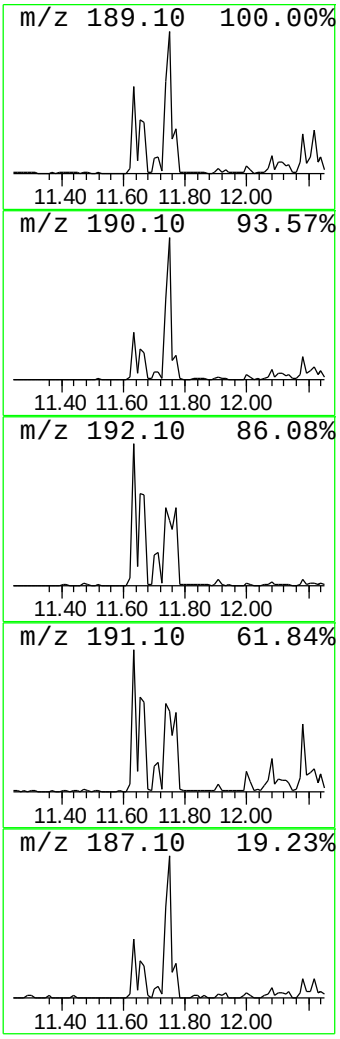
****

Peak Number 7 Benzaldehyde, 3,5-dichloro-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	6.68 ng	1216470	Phenanthrene-d10	11.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	46
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	42
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	41





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090216\
Data File : BF089978.D
Acq On : 2 Sep 2016 16:43
Operator : UM/SJ
Sample : H4683-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOILSAMPLE-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

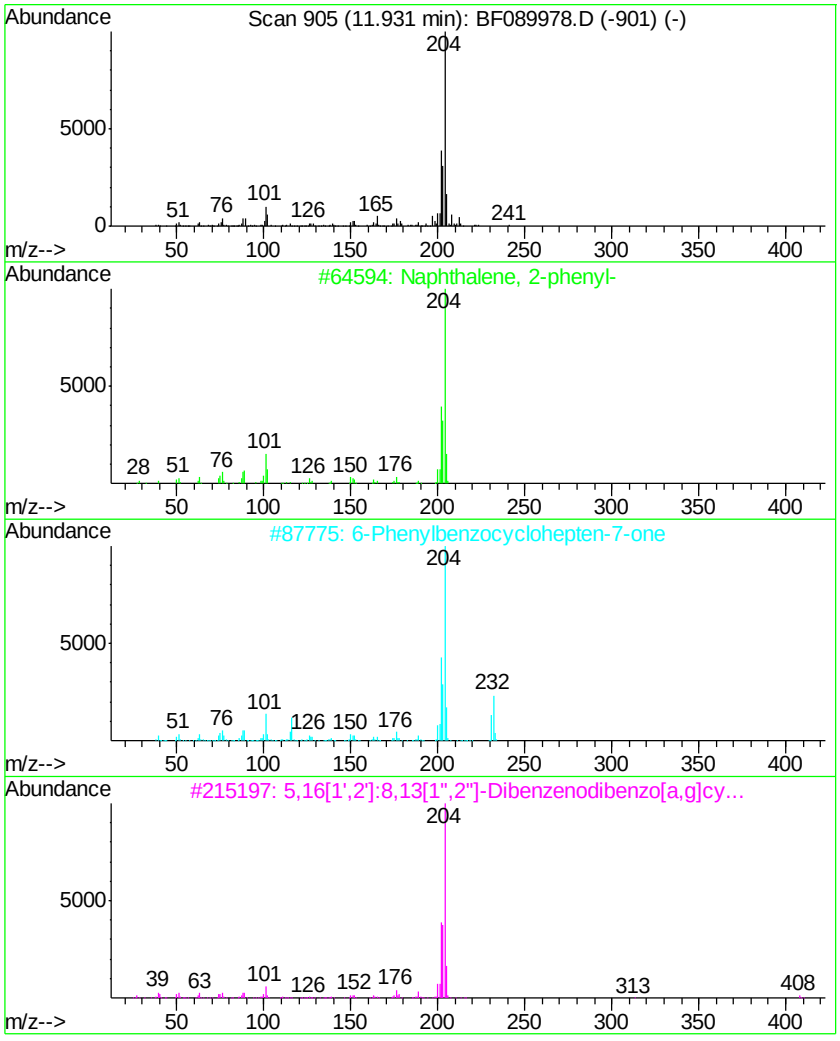
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

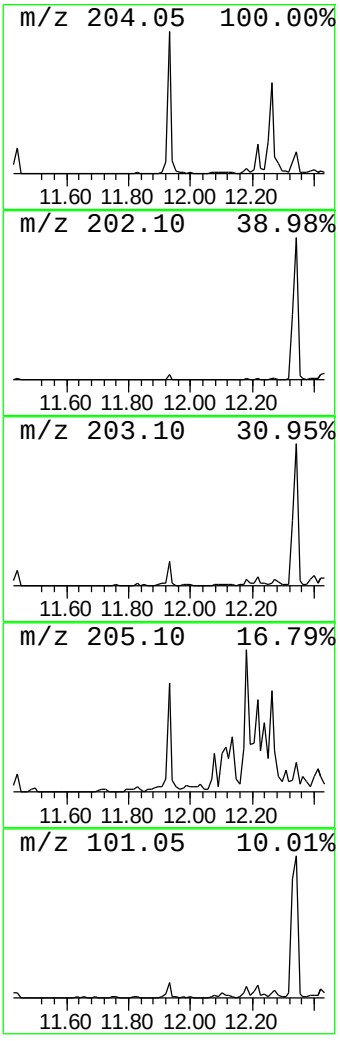
****

Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	3.65 ng	664984	Phenanthrene-d10	11.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	90
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	72
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	55





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090216\
Data File : BF089978.D
Acq On : 2 Sep 2016 16:43
Operator : UM/SJ
Sample : H4683-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOILSAMPLE-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

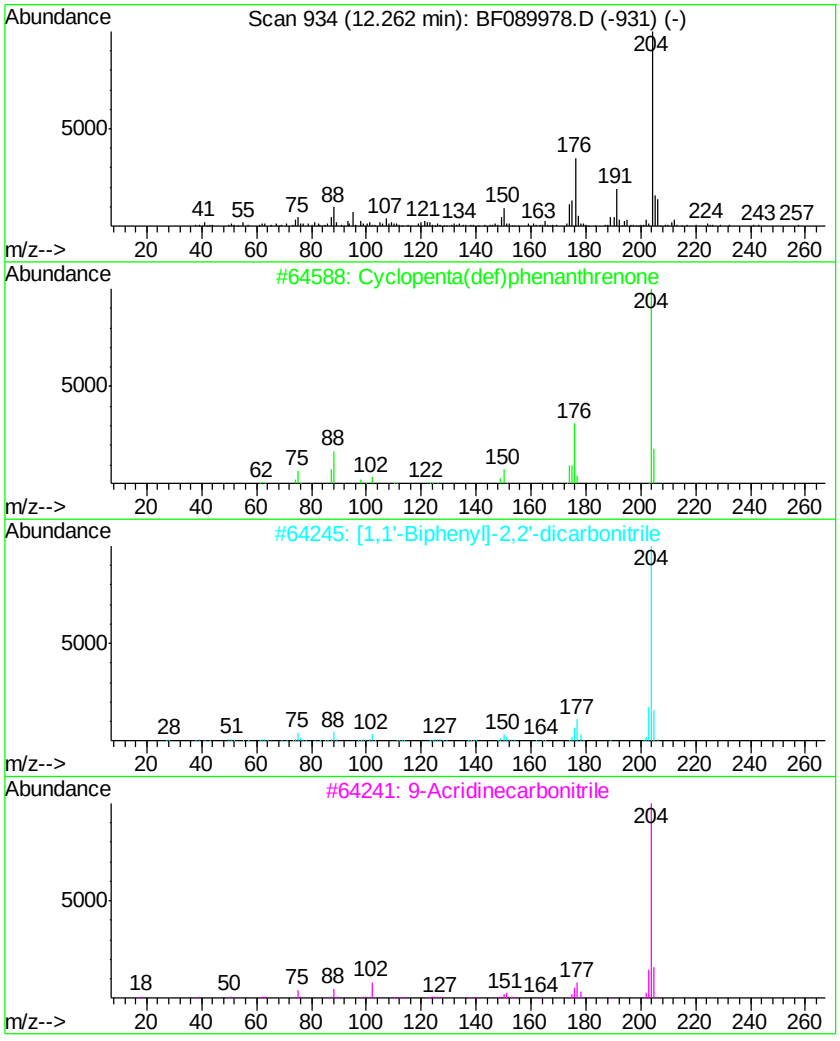
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

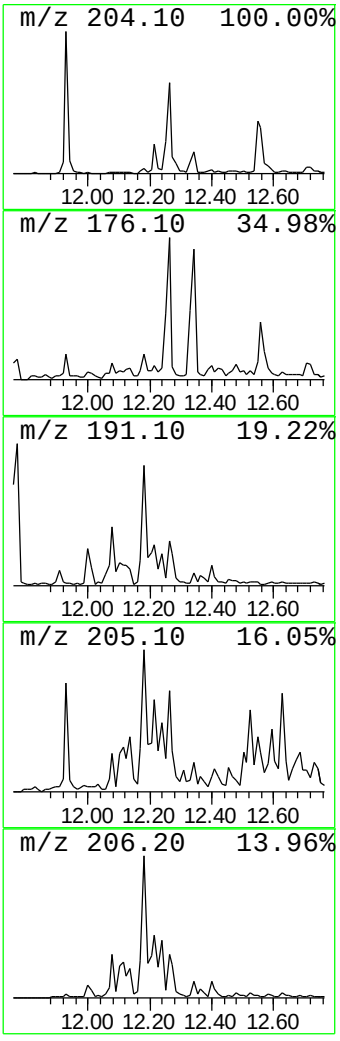
****

Peak Number 9 Cyclopenta(def)phenanthrenone Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	2.65 ng	482755	Phenanthrene-d10	11.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47
3	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	47
4	Quinoline, 6-methoxy-8-nitro-	204	C10H8N2O3	000085-81-4	47
5	1H-3a,7-Methanoazulen-6-ol, octa...	264	C17H28O2	000077-54-3	43





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090216\
Data File : BF089978.D
Acq On : 2 Sep 2016 16:43
Operator : UM/SJ
Sample : H4683-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOILSAMPLE-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

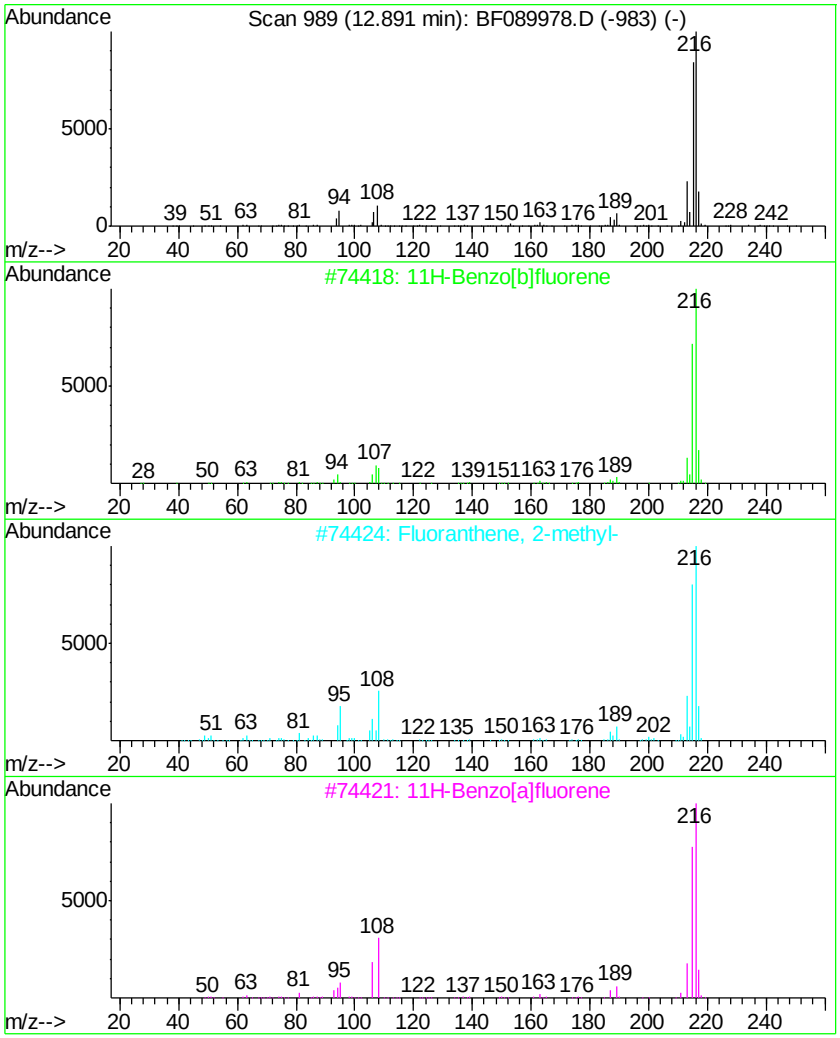
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

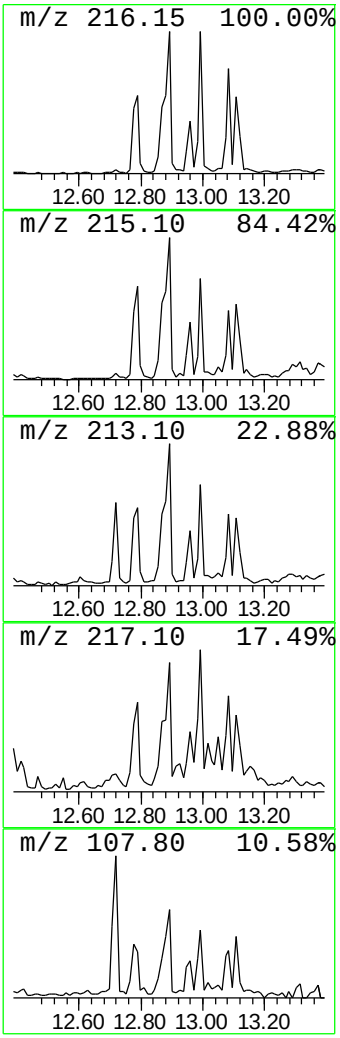
****

Peak Number 10 11H-Benzo[b]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.89	4.47 ng	766495	Chrysene-d12	13.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090216\
Data File : BF089978.D
Acq On : 2 Sep 2016 16:43
Operator : UM/SJ
Sample : H4683-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOILSAMPLE-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

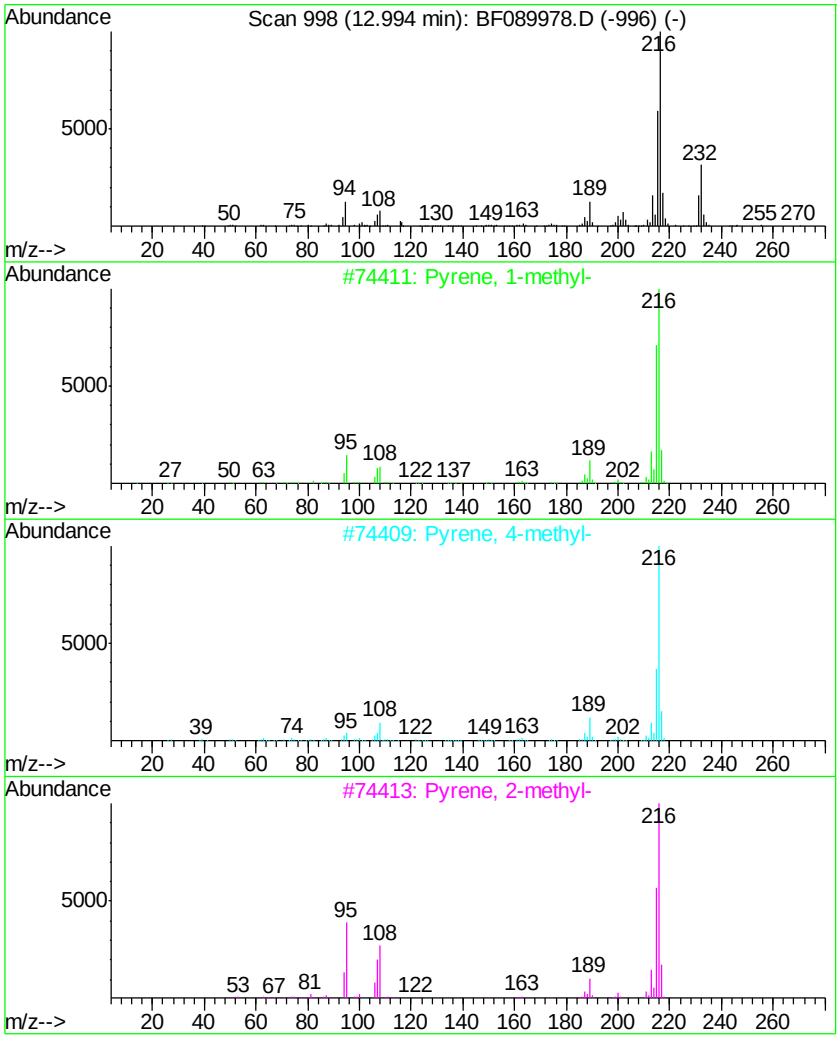
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

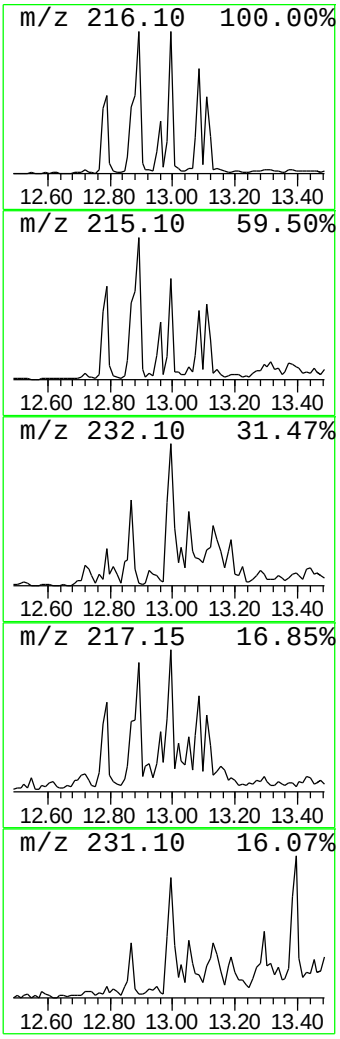
****

Peak Number 11 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.99	2.58 ng	442722	Chrysene-d12	13.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	96
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	86
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090216\
Data File : BF089978.D
Acq On : 2 Sep 2016 16:43
Operator : UM/SJ
Sample : H4683-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOILSAMPLE-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

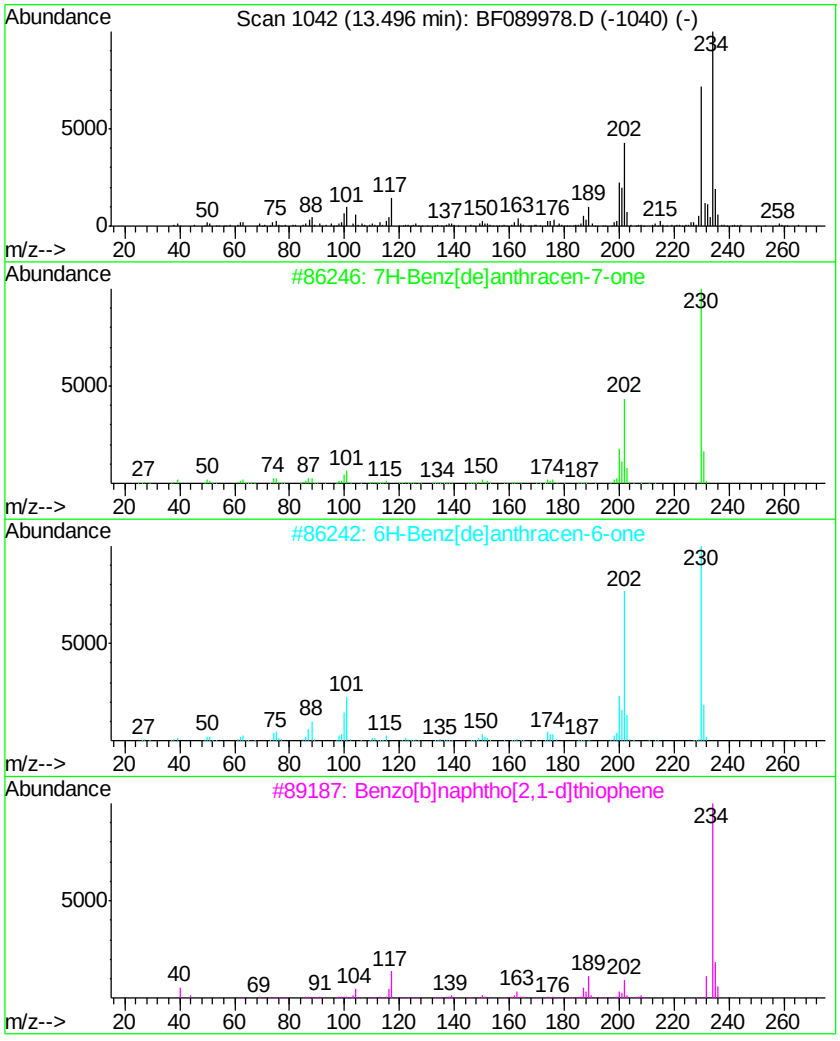
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

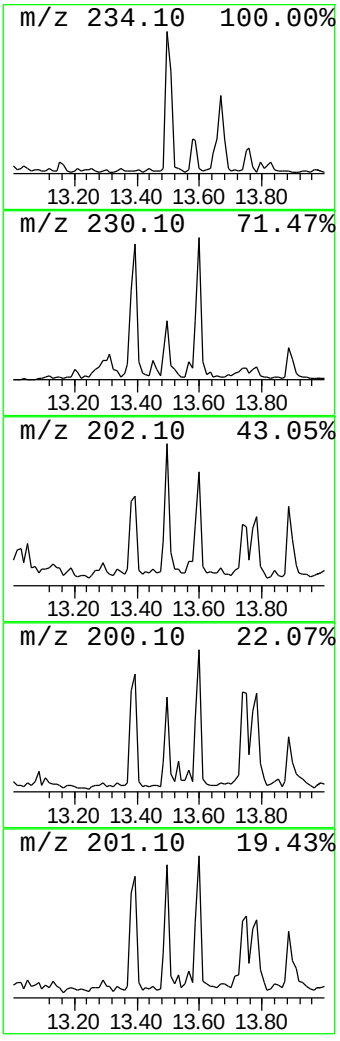
****

Peak Number 12 7H-Benz[de]anthracen-7-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.50	2.61 ng	446981	Chrysene-d12	13.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
2	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	86
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	86
4	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	83
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	64





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090216\
Data File : BF089978.D
Acq On : 2 Sep 2016 16:43
Operator : UM/SJ
Sample : H4683-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOILSAMPLE-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

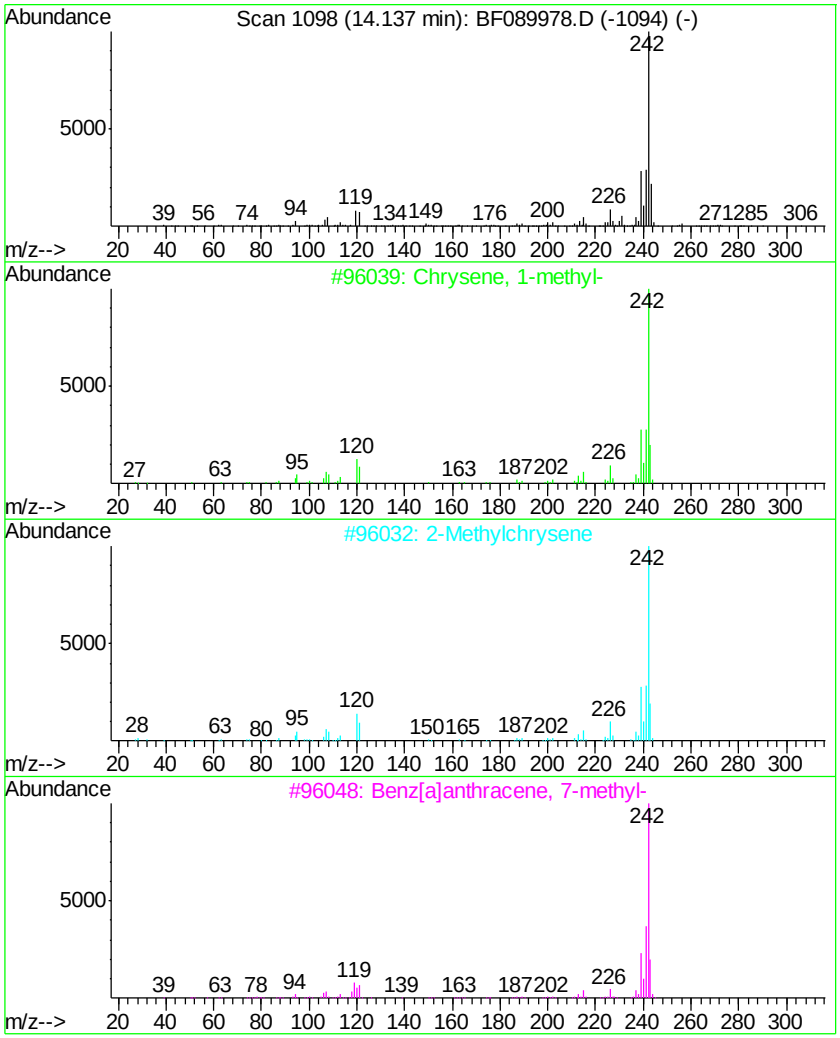
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

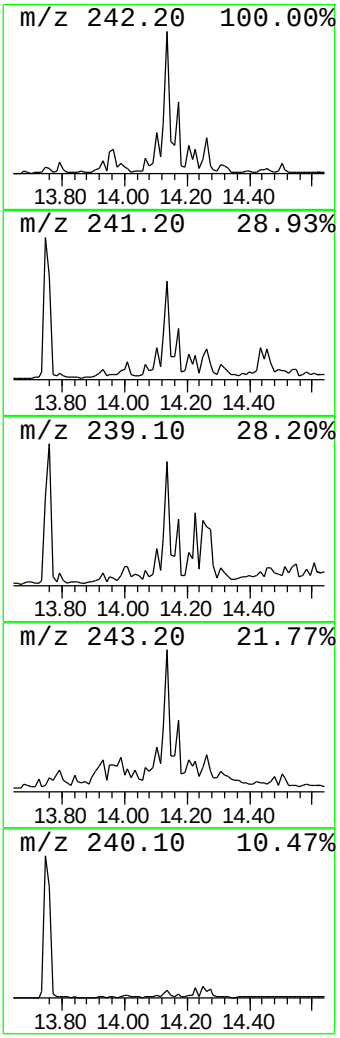
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.14	2.87 ng	492759	Chrysene-d12	13.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 1-methyl-	242	C19H14	003351-28-8	98
2	2-Methylchrysene	242	C19H14	003351-32-4	96
3	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	96
4	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	96
5	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	93





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090216\
Data File : BF089978.D
Acq On : 2 Sep 2016 16:43
Operator : UM/SJ
Sample : H4683-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOILSAMPLE-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

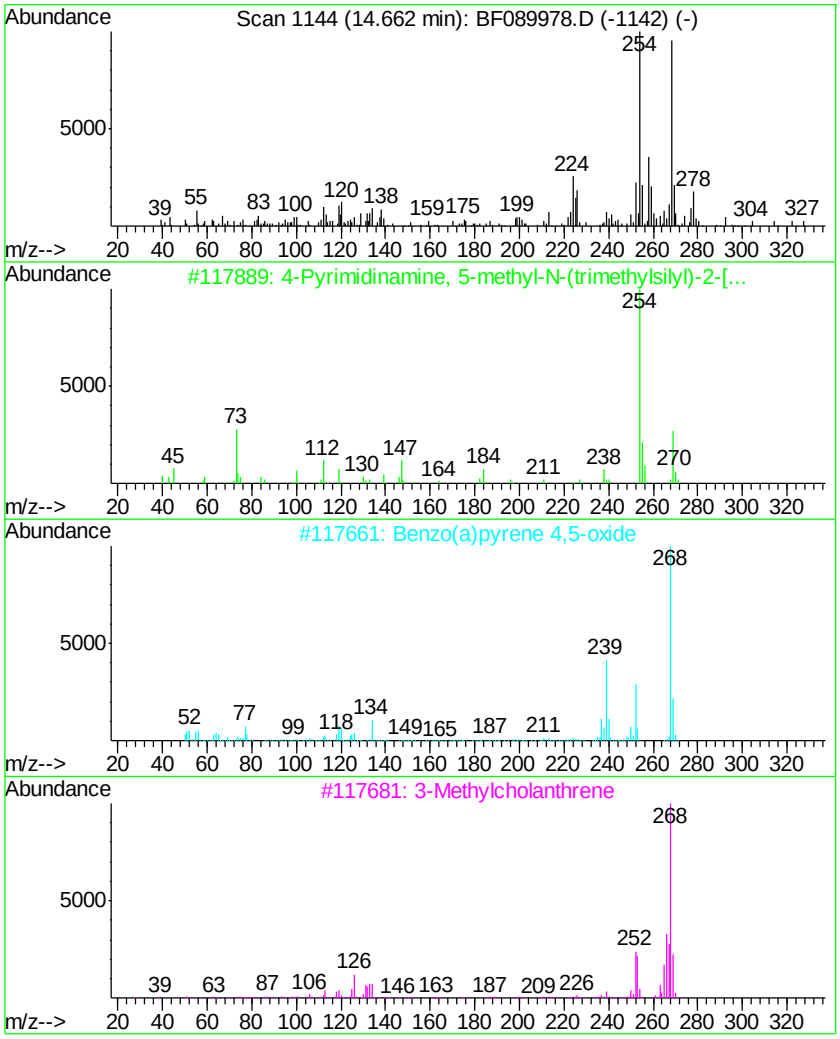
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

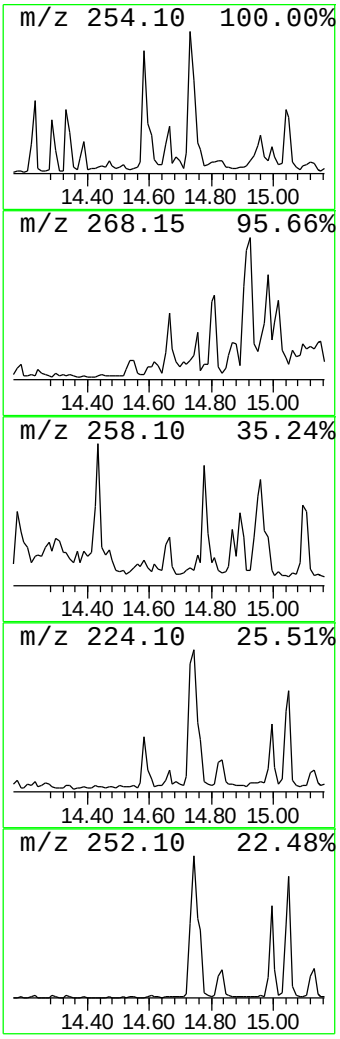
****

Peak Number 14 unknown14.66 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.66	2.58 ng	199969	Perylene-d12	15.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Pyrimidinamine, 5-methyl-N-(tr...	269	C11H23N3OSi2	032865-88-6	42
2	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	38
3	3-Methylcholanthrene	268	C21H16	000056-49-5	30
4	trans-4'-Methyl-4-(methylthio)ch...	268	C17H16OS	126443-27-4	30
5	2-Cyclohexen-1-one, 3-[3-(4,4-di...	269	C17H19NO2	1000197-92-1	27





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090216\
Data File : BF089978.D
Acq On : 2 Sep 2016 16:43
Operator : UM/SJ
Sample : H4683-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOILSAMPLE-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

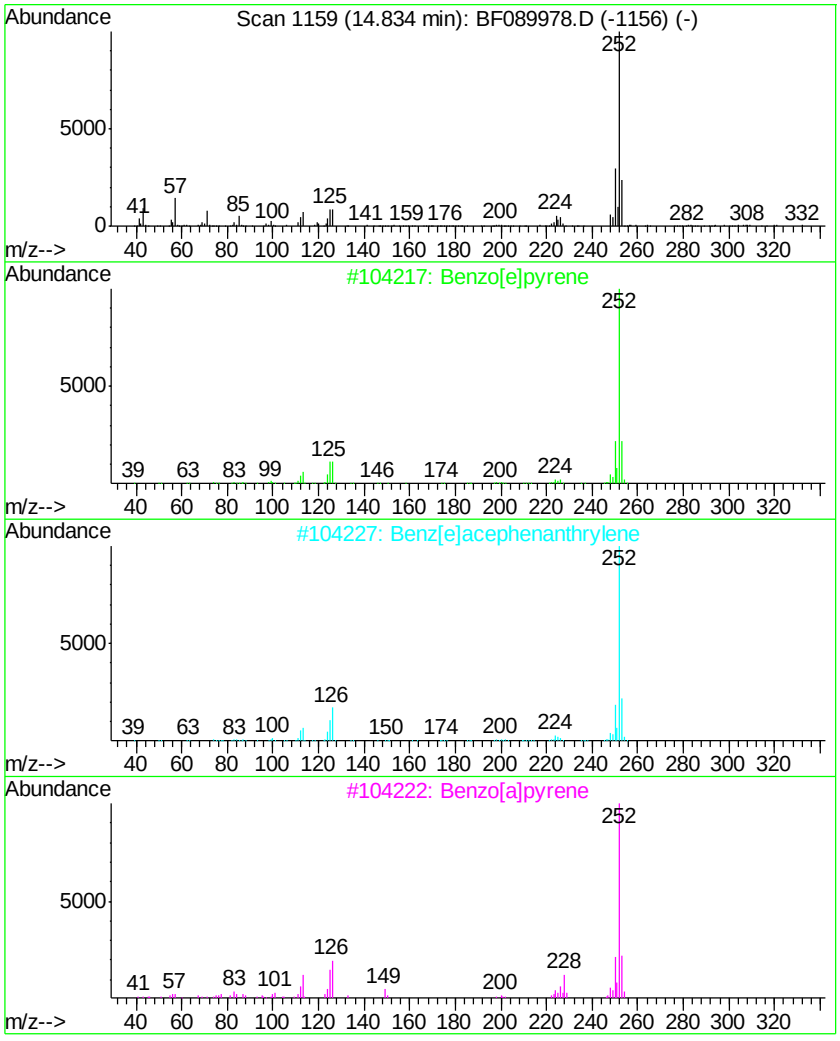
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

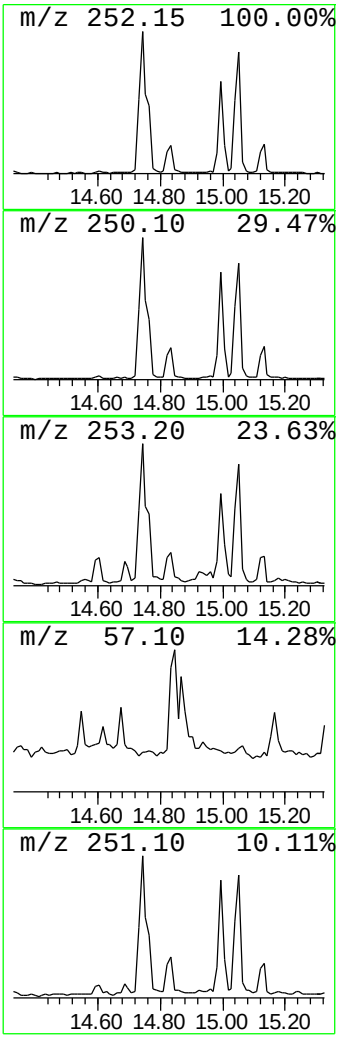
****

Peak Number 15 Benzo[e]pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.83	3.78 ng	292420	Perylene-d12	15.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	87
3	Benzo[a]pyrene	252	C20H12	000050-32-8	87
4	Perylene	252	C20H12	000198-55-0	76
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	76





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090216\
Data File : BF089978.D
Acq On : 2 Sep 2016 16:43
Operator : UM/SJ
Sample : H4683-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOILSAMPLE-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

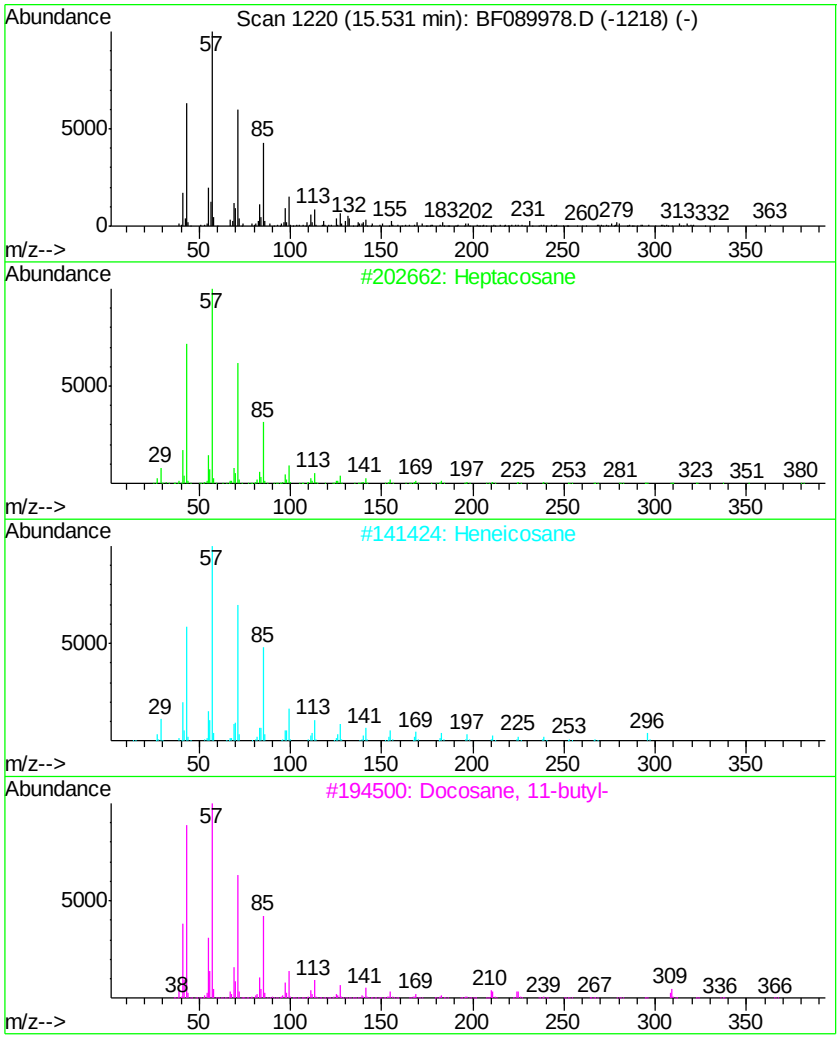
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

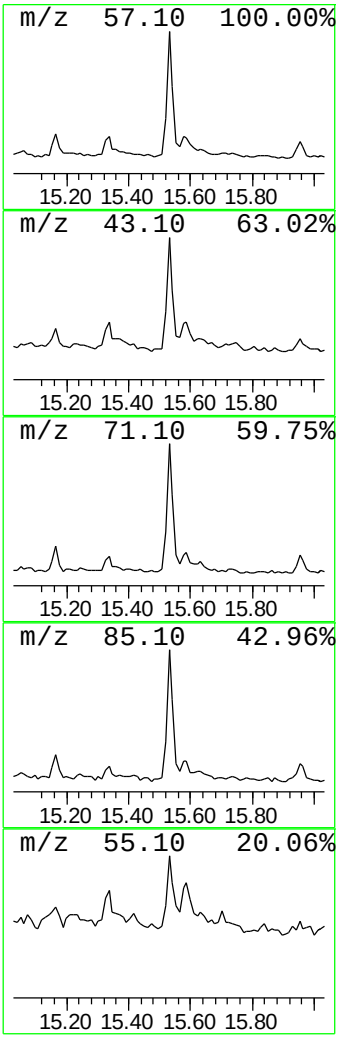
****

Peak Number 17 Heptacosane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.53	3.00 ng	232164	Perylene-d12	15.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	90
2	Heneicosane	296	C21H44	000629-94-7	87
3	Docosane, 11-butyl-	366	C26H54	013475-76-8	86
4	Eicosane, 7-hexyl-	366	C26H54	055333-99-8	86
5	Heptadecane	240	C17H36	000629-78-7	86





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090216\
Data File : BF089978.D
Acq On : 2 Sep 2016 16:43
Operator : UM/SJ
Sample : H4683-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOILSAMPLE-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

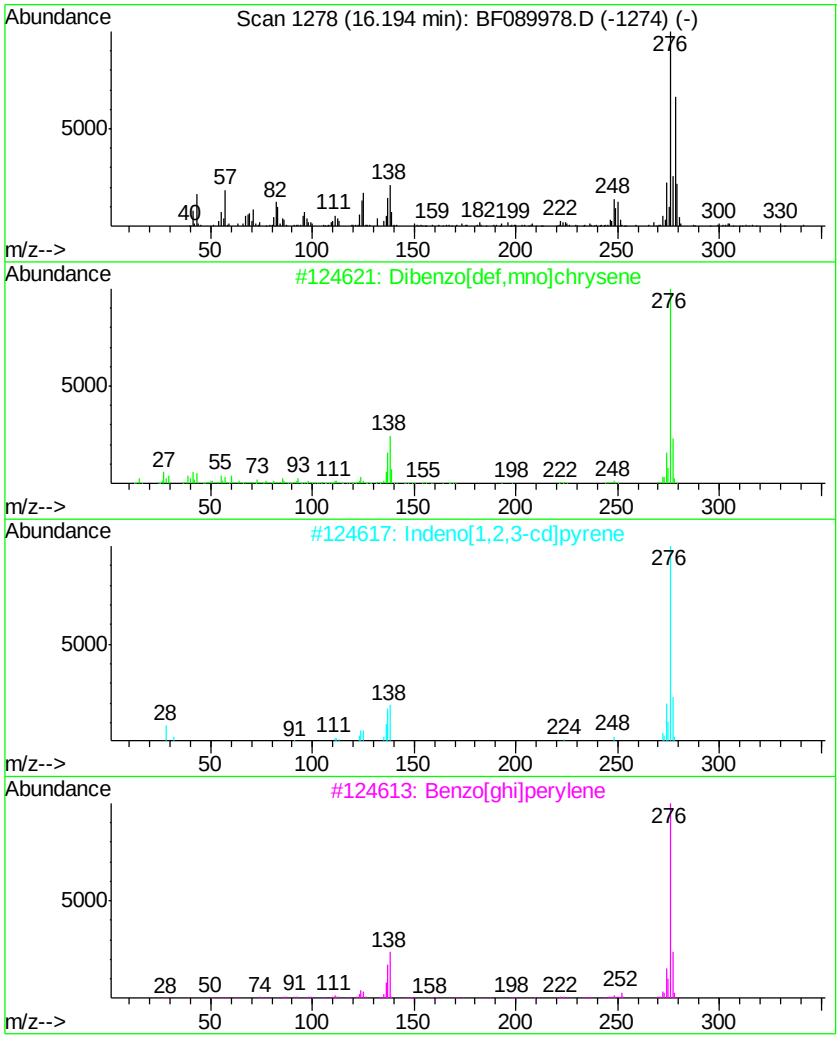
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

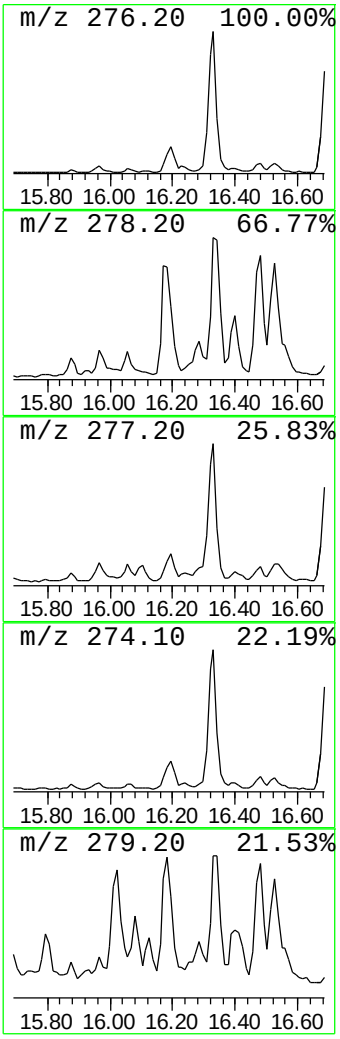
****

Peak Number 18 Dibenzo[def,mno]chrysene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.19	4.21 ng	326272	Perylene-d12	15.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	87
2	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	70
3	Benzo[ghi]perylene	276	C22H12	000191-24-2	55
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	38
5	1-Naphthalenecarboxylic acid, 2-...	276	C18H12O3	038119-11-8	30





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090216\
Data File : BF089978.D
Acq On : 2 Sep 2016 16:43
Operator : UM/SJ
Sample : H4683-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOILSAMPLE-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

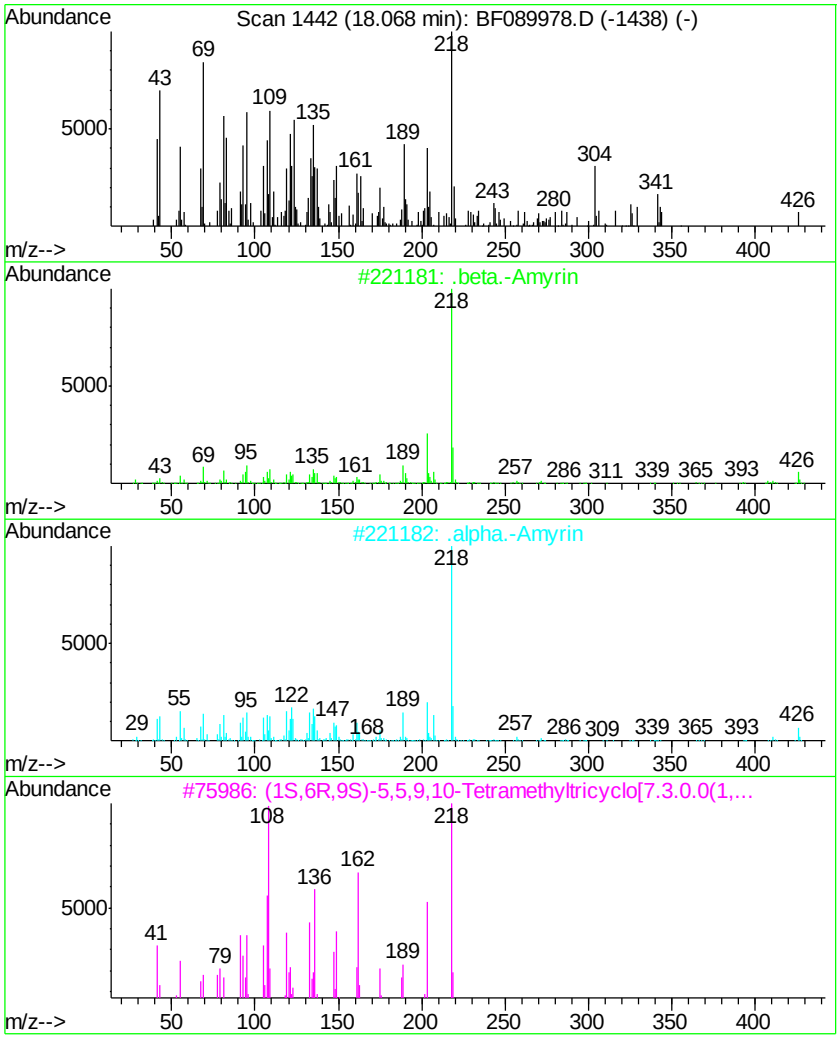
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

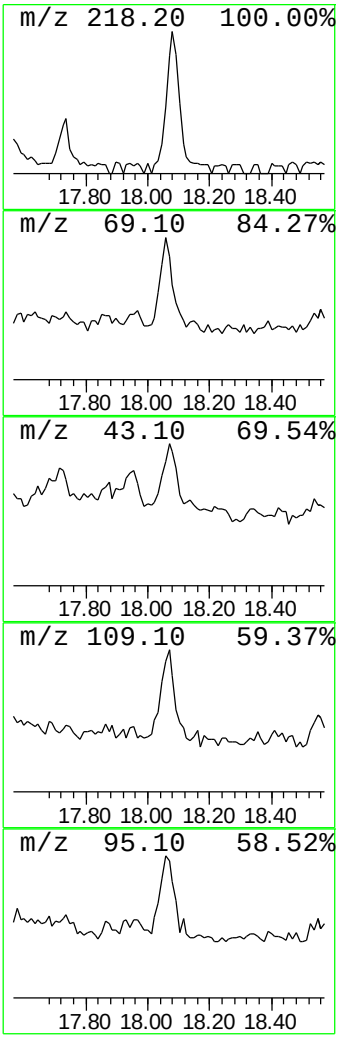
****

Peak Number 19 .beta.-Amyrin Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.07	3.79 ng	293079	Perylene-d12	15.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-Amyrin	426	C30H50O	000559-70-6	80
2	.alpha.-Amyrin	426	C30H50O	000638-95-9	58
3	(1S,6R,9S)-5,5,9,10-Tetramethylt...	218	C16H26	1000298-97-8	52
4	9-Isopropyl-6-methyl-6,7-dihydro...	219	C13H17NO2	134076-78-1	38
5	5(1H)-Azulenone, 2,4,6,7,8,8a-he...	218	C15H22O	006754-66-1	35





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090216\
Data File : BF089978.D
Acq On : 2 Sep 2016 16:43
Operator : UM/SJ
Sample : H4683-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOILSAMPLE-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

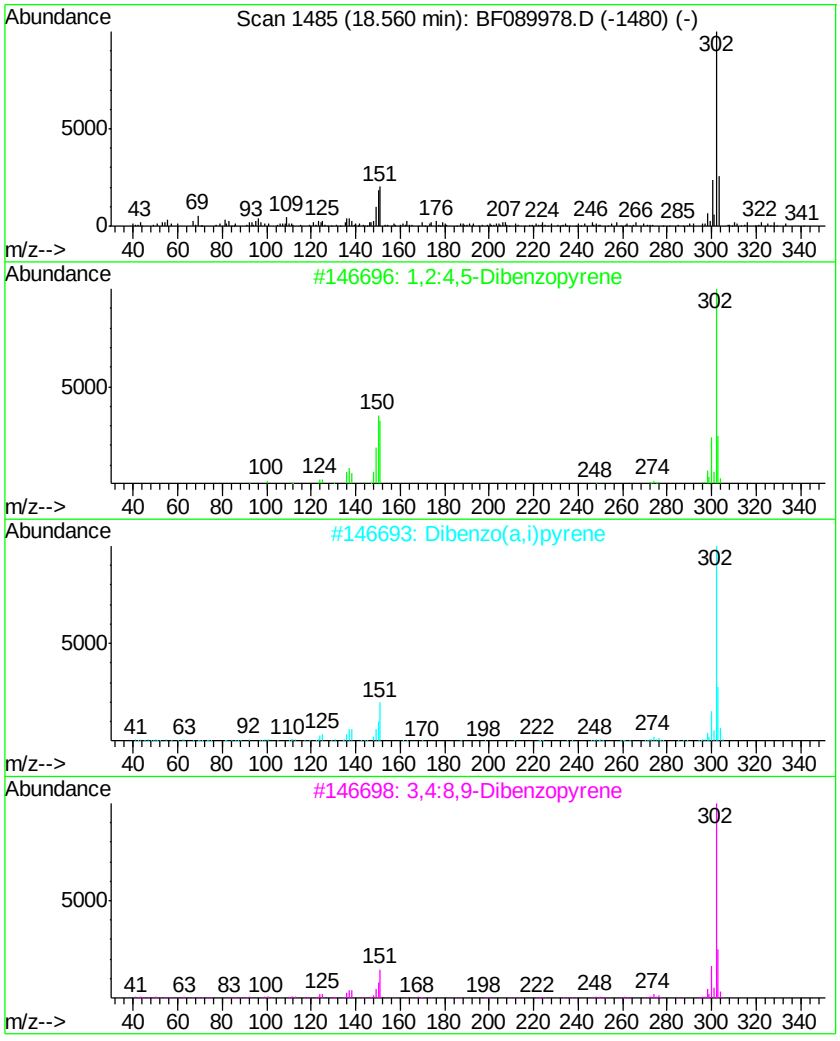
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

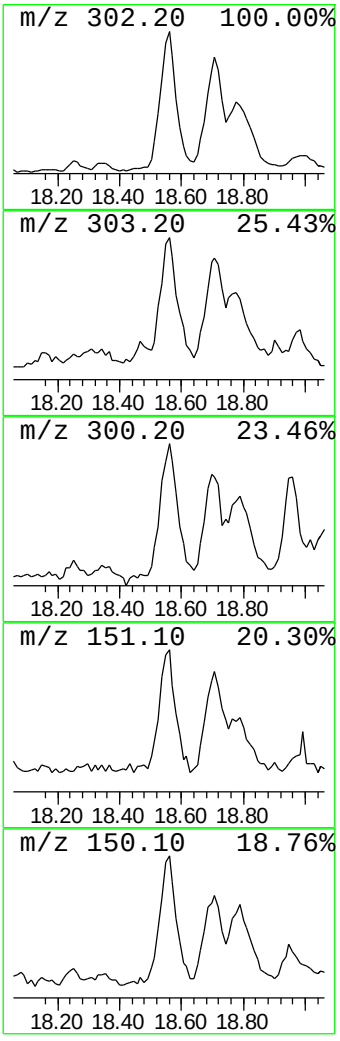
****

Peak Number 20 1,2:4,5-Dibenzopyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.56	5.31 ng	410924	Perylene-d12	15.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	93
2	Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	90
3	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	90
4	Dibenzo[fg,op]naphthacene	302	C24H14	000192-51-8	64
5	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	58





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF090216\
Data File : BF089978.D
Acq On : 2 Sep 2016 16:43
Operator : UM/SJ
Sample : H4683-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOILSAMPLE-1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.75	11.5	ng	673286	1	6.64	1166710	20.0
unknown6.40	6.40	50.3	ng	2936370	1	6.64	1166710	20.0
Phenanthrene, 2-m...	11.63	3.1	ng	559012	4	11.13	3641670	20.0
Anthracene, 1-met...	11.66	3.3	ng	594699	4	11.13	3641670	20.0
Benzaldehyde, 3,5...	11.75	6.7	ng	1216470	4	11.13	3641670	20.0
Naphthalene, 2-ph...	11.93	3.6	ng	664984	4	11.13	3641670	20.0
Cyclopenta(def)ph...	12.26	2.6	ng	482755	4	11.13	3641670	20.0
11H-Benzo[b]fluorene	12.89	4.5	ng	766495	5	13.75	3430970	20.0
Pyrene, 1-methyl-	12.99	2.6	ng	442722	5	13.75	3430970	20.0
7H-Benz[de]anthra...	13.50	2.6	ng	446981	5	13.75	3430970	20.0
Chrysene, 1-methyl-	14.14	2.9	ng	492759	5	13.75	3430970	20.0
unknown14.66	14.66	2.6	ng	199969	6	15.10	1548510	20.0
Benzo[e]pyrene	14.83	3.8	ng	292420	6	15.10	1548510	20.0
Heptacosane	15.53	3.0	ng	232164	6	15.10	1548510	20.0
Dibenzo[def,mno]c...	16.19	4.2	ng	326272	6	15.10	1548510	20.0
.beta.-Amyrin	18.07	3.8	ng	293079	6	15.10	1548510	20.0
1,2:4,5-Dibenzopy...	18.56	5.3	ng	410924	6	15.10	1548510	20.0