LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF083116\
Data File : BF089961.D
Acq On : 31 Aug 2016 20:17
Operator : UM/SJ
Sample : H4635-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 11FT-SOIL

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	1.632	3	4	13	rVV	313853	675596	5.07%	0.271%
2	1.747	13	14	59	rVB	1827454	5320309	39.96%	2.131%
3	4.776	276	279	289	rBV	954465	1624392	12.20%	0.651%
4	5.221	314	318	320	rBV	4670116	5524158	41.49%	2.213%
5	6.284	407	411	413	rBV	4689649	5603034	42.08%	2.245%
6	6.410	418	422	424	rBV	4010254	5927809	44.52%	2.375%
7	6.639	440	442	444	rBV	1251206	1240698	9.32%	0.497%
8	6.799	453	456	457	rBV	3603809	4519841	33.95%	1.811%
9	7.210	488	492	494	rBV	3100123	4113446	30.90%	1.648%
10	7.942	552	556	558	rBV2	2594380	3682212	27.66%	1.475%
11	8.627	614	616	618	rVV	1268116	1279998	9.61%	0.513%
12	8.730	622	625	627	rVB	1261342	1110874	8.34%	0.445%
13	9.005	646	649	651	rVB	4896487	5767732	43.32%	2.311%
14	9.096	651	657	659	rBV	621457	597371	4.49%	0.239%
15	9.256	668	671	673	rBV	516830	699569	5.25%	0.280%
16	9.325	675	677	679	rBV	774992	1030686	7.74%	0.413%
17	9.393	681	683	686	rBV	1533172	1770858	13.30%	0.709%
18	9.439	686	687	690	rVB	326781	488804	3.67%	0.196%
19	9.530	692	695	697	rVB	582350	785591	5.90%	0.315%
20	9.668	704	707	708	rBV2	1614540	1831982	13.76%	0.734%
21	9.702	708	710	711	rVV	2764727	2763482	20.76%	1.107%
22	9.873	722	725	727	rBV	1569560	1908837	14.34%	0.765%
23	10.090	740	744	745	rBV2	211631	475028	3.57%	0.190%
24	10.205	752	754	757	rVB	2334871	3010480	22.61%	1.206%
25	10.273	757	760	761	rBV	516033	720963	5.42%	0.289%
26	10.365	767	768	771	rVB	923552	858533	6.45%	0.344%
27	10.445	771	775	777	rBV2	2832672	3831678	28.78%	1.535%
28	10.570	781	786	788	rBV4	240523	564571	4.24%	0.226%
29	10.753	798	802	803	rBV2	763812	1043746	7.84%	0.418%
30	10.902	811	815	816	rBV3	447713	851998	6.40%	0.341%
31	10.948	816	819	821	rVB	500536	727524	5.46%	0.291%
32	10.993	821	823	825	rBV2	546017	709896	5.33%	0.284%
33	11.028	825	826	828	rVB	880630	1165133	8.75%	0.467%
34	11.176	833	839	841	rBV2	7177719	12723007	95.56%	5.097%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF083116\
Data File : BF089961.D
Acq On : 31 Aug 2016 20:17
Operator : UM/SJ
Sample : H4635-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 11FT-SOIL

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	11.222	841	843	844	rVB	4867557	4426426	33.25%	1.773%
36	11.245	844	845	847	rVB2	498826	478551	3.59%	0.192%
37	11.371	852	856	857	rBV2	2132584	2354757	17.69%	0.943%
38	11.462	863	864	866	rVB2	444500	469148	3.52%	0.188%
39	11.633	877	879	881	rBV	1570060	2467977	18.54%	0.989%
40	11.668	881	882	884	rVB	2874821	2089756	15.70%	0.837%
41	11.713	884	886	887	rBV	1446562	1235064	9.28%	0.495%
42	11.748	887	889	893	rVB2	3404548	5069821	38.08%	2.031%
43	11.839	893	897	898	rBV2	356641	584944	4.39%	0.234%
44	11.931	904	905	909	rVB2	1423416	1969978	14.80%	0.789%
45	12.079	915	918	920	rBV	518875	726282	5.46%	0.291%
46	12.113	920	921	925	rVB	476845	678906	5.10%	0.272%
47	12.182	925	927	929	rBV	994795	1459641	10.96%	0.585%
48	12.216	929	930	934	rVB3	427236	630452	4.74%	0.253%
49	12.274	934	935	938	rVB2	841641	970680	7.29%	0.389%
50	12.365	938	943	945	rBV	7241779	13017180	97.77%	5.215%
51	12.491	951	954	955	rBV	1040891	1045800	7.85%	0.419%
52	12.582	958	962	964	rBV2	6531007	13313885	100.00%	5.334%
53	12.616	964	965	969	rVB2	885142	1090857	8.19%	0.437%
54	12.685	969	971	973	rBV	915742	1390329	10.44%	0.557%
55	12.719	973	974	977	rVB	3535294	3931997	29.53%	1.575%
56	12.788	977	980	984	rBV3	1117135	2476469	18.60%	0.992%
57	12.902	984	990	991	rVB2	2585560	4615380	34.67%	1.849%
58	12.971	994	996	997	rBV	1536375	2206423	16.57%	0.884%
59	13.005	997	999	1002	rVB2	1297223	2251937	16.91%	0.902%
60	13.085	1005	1006	1008	rBV	684157	738965	5.55%	0.296%
61	13.119	1008	1009	1014	rVB2	1194566	1318468	9.90%	0.528%
62	13.314	1021	1026	1030	rBV4	685210	2036157	15.29%	0.816%
63	13.394	1030	1033	1036	rBV2	898845	1880965	14.13%	0.754%
64	13.508	1040	1043	1044	rBV	1557729	1779212	13.36%	0.713%
65	13.542	1044	1046	1047	rVV	1246581	1765178	13.26%	0.707%
66	13.611	1050	1052	1053	rVB	1036545	926073	6.96%	0.371%
67	13.759	1061	1065	1067	rBV2	5095328	11167348	83.88%	4.474%
68	13.805	1067	1069	1072	rVV	4170041	6156171	46.24%	2.466%
69	13.874	1072	1075	1076	rVV2	1241415	1819443	13.67%	0.729%
70	13.897	1076	1077	1080	rVV2	364023	657580	4.94%	0.263%
71	13.954	1080	1082	1083	rVV2	597932	961442	7.22%	0.385%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF083116\
Data File : BF089961.D
Acq On : 31 Aug 2016 20:17
Operator : UM/SJ
Sample : H4635-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 11FT-SOIL

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	13.988	1083	1085	1086	rVB	723397	800242	6.01%	0.321%
73	14.102	1091	1095	1097	rBV3	509931	1463643	10.99%	0.586%
74	14.148	1097	1099	1100	rVV	1726906	1947137	14.62%	0.780%
75	14.182	1100	1102	1103	rVV2	810778	976012	7.33%	0.391%
76	14.239	1103	1107	1108	rVV2	991361	1425100	10.70%	0.571%
77	14.285	1108	1111	1113	rVV3	1032794	2177200	16.35%	0.872%
78	14.342	1115	1116	1119	rVB2	634805	543307	4.08%	0.218%
79	14.445	1122	1125	1126	rBV	650208	853455	6.41%	0.342%
80	14.617	1136	1140	1143	rBV3	604065	1260800	9.47%	0.505%
81	14.765	1149	1153	1157	rBV	4282743	11644324	87.46%	4.665%
82	14.845	1158	1160	1162	rVB	1681393	1585323	11.91%	0.635%
83	14.937	1165	1168	1170	rBV3	414234	1158346	8.70%	0.464%
84	15.017	1172	1175	1178	rVV	2792374	4925906	37.00%	1.973%
85	15.085	1178	1181	1182	rVB	3897914	6274215	47.13%	2.513%
86	15.154	1182	1187	1189	rBV3	1630346	3457147	25.97%	1.385%
87	15.268	1194	1197	1198	rBV3	303086	599114	4.50%	0.240%
88	15.588	1223	1225	1229	rVB	583072	860849	6.47%	0.345%
89	16.068	1265	1267	1274	rVB5	402183	1126687	8.46%	0.451%
90	16.194	1274	1278	1286	rBV3	497882	1932439	14.51%	0.774%
91	16.365	1287	1293	1296	rBV2	2100595	4710884	35.38%	1.887%
92	16.502	1301	1305	1307	rBV	557412	1157201	8.69%	0.464%
93	16.548	1307	1309	1311	rBV2	360791	581700	4.37%	0.233%
94	16.743	1320	1326	1332	rBV	1711253	4125168	30.98%	1.653%
95	16.845	1332	1335	1338	rVV4	236371	646684	4.86%	0.259%
96	16.925	1338	1342	1348	rVB2	670946	1550492	11.65%	0.621%
97	17.691	1405	1409	1419	rVB4	156511	673721	5.06%	0.270%
98	18.594	1480	1488	1494	rVB	495848	2090607	15.70%	0.838%
99	18.754	1495	1502	1505	rBV	334512	1344205	10.10%	0.538%
100	19.520	1562	1569	1570	rBV	202384	622416	4.67%	0.249%

Sum of corrected areas: 249623802

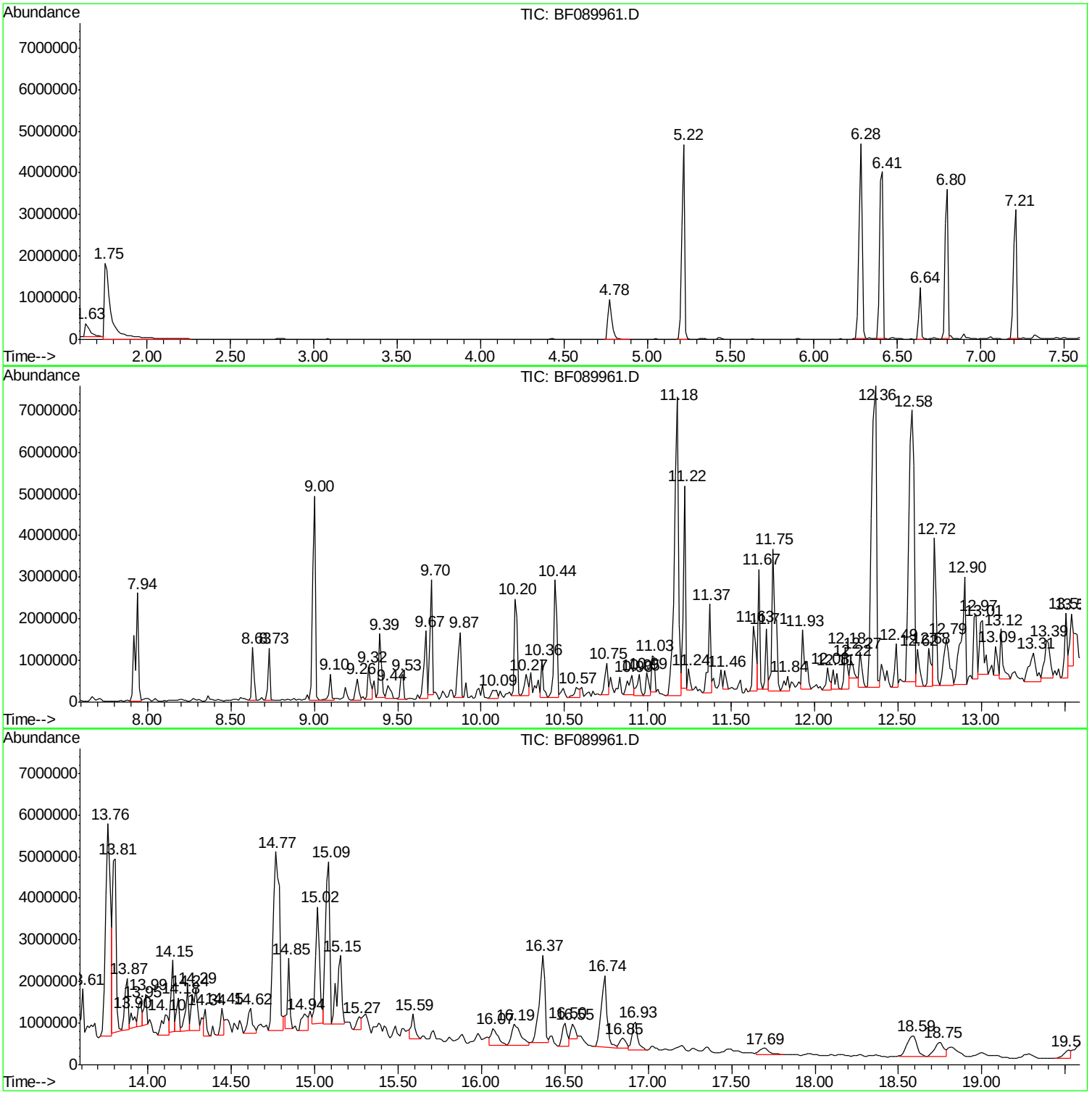
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF083116\
Data File : BF089961.D
Acq On : 31 Aug 2016 20:17
Operator : UM/SJ
Sample : H4635-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 11FT-SOIL

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\BF083116\
Data File : BF089961.D
Acq On : 31 Aug 2016 20:17
Operator : UM/SJ
Sample : H4635-02
Misc :
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Instrument : BNA_F
ClientSampleId : 11FT-SOIL

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

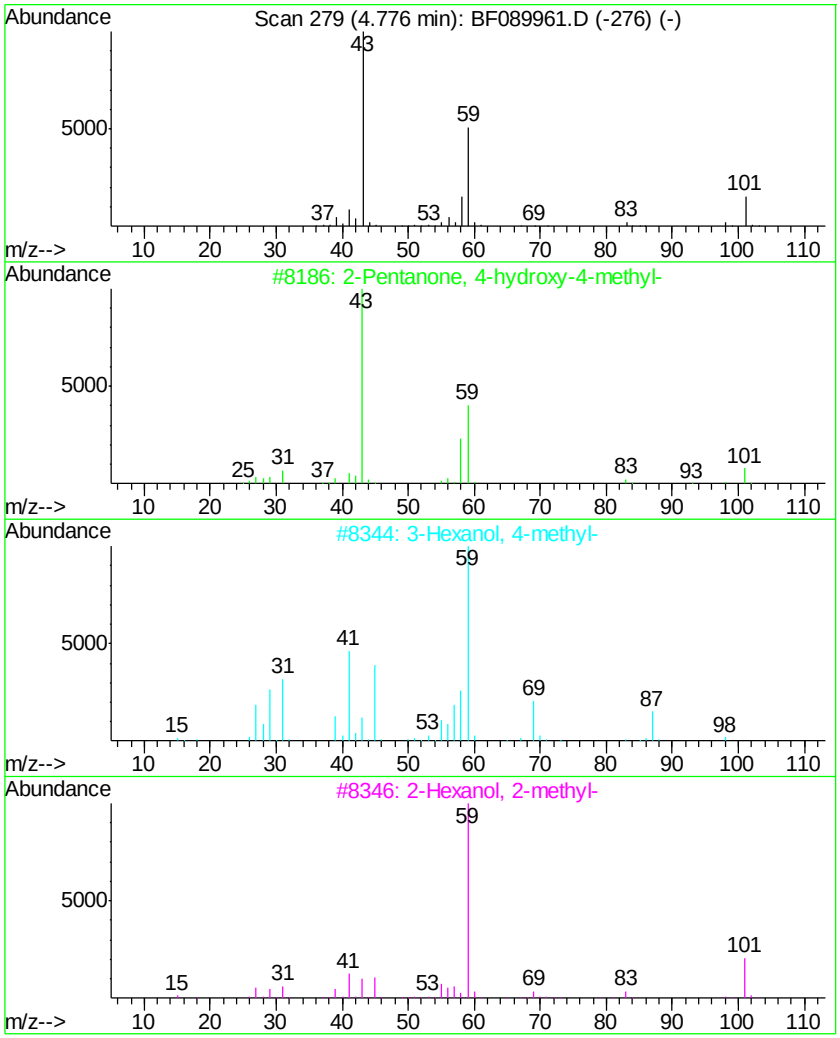
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

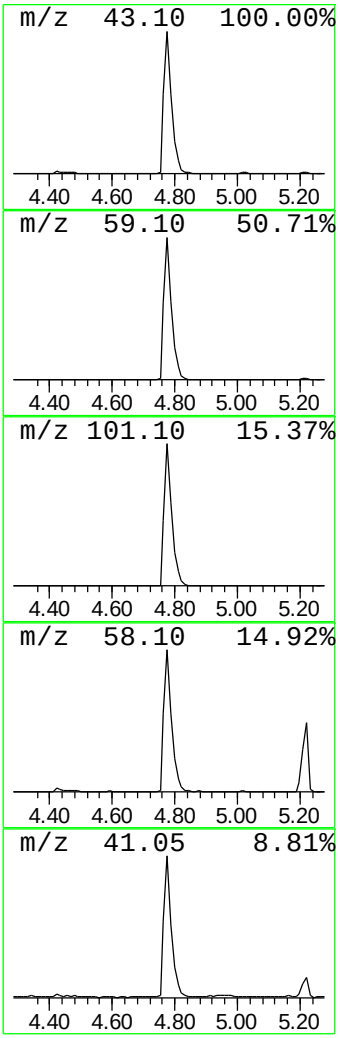
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.78	26.19 ng	1624390	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	50
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
3	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF083116\
Data File : BF089961.D
Acq On : 31 Aug 2016 20:17
Operator : UM/SJ
Sample : H4635-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 11FT-SOIL

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

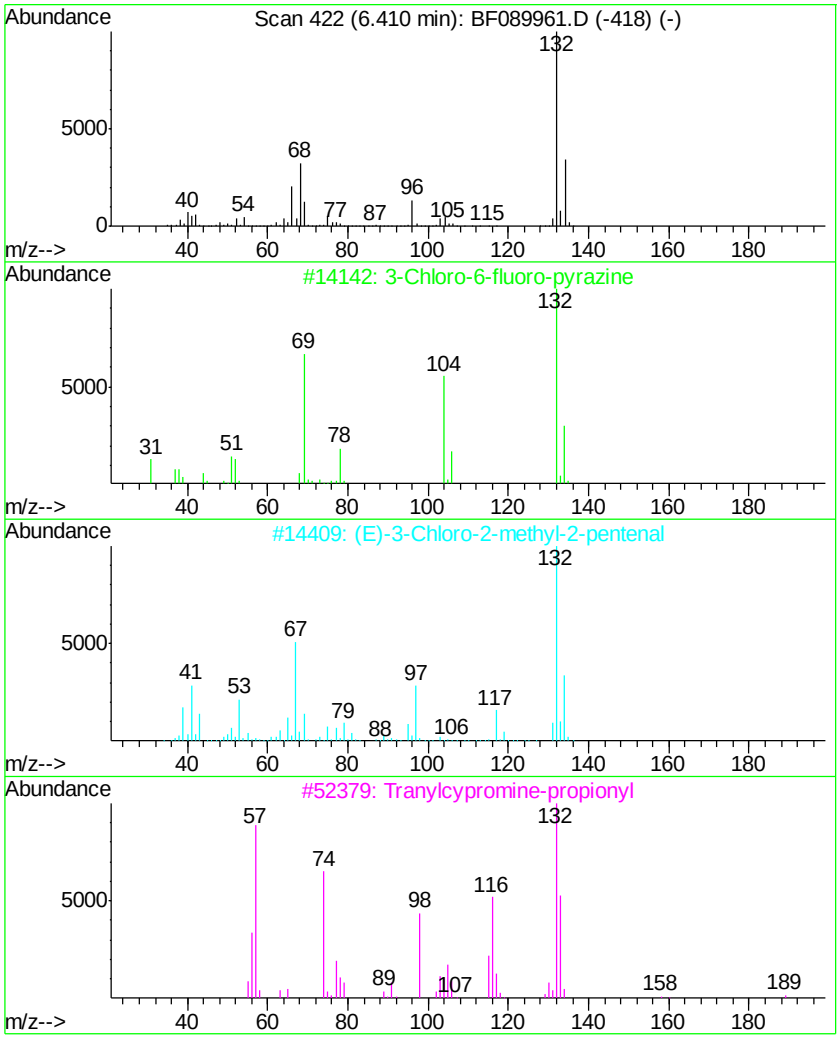
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

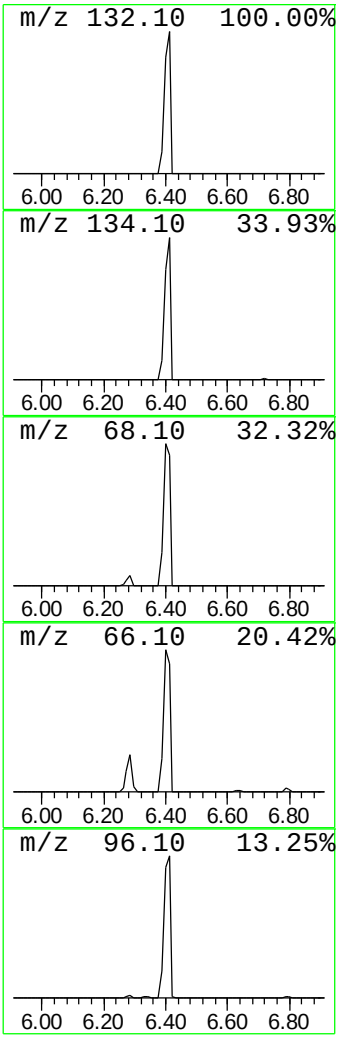
****

Peak Number 4 unknown6.41 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.41	95.56 ng	5927810	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	38
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	16
4	Amphetaminil	250	C17H18N2	017590-01-1	12
5	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF083116\
Data File : BF089961.D
Acq On : 31 Aug 2016 20:17
Operator : UM/SJ
Sample : H4635-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 11FT-SOIL

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

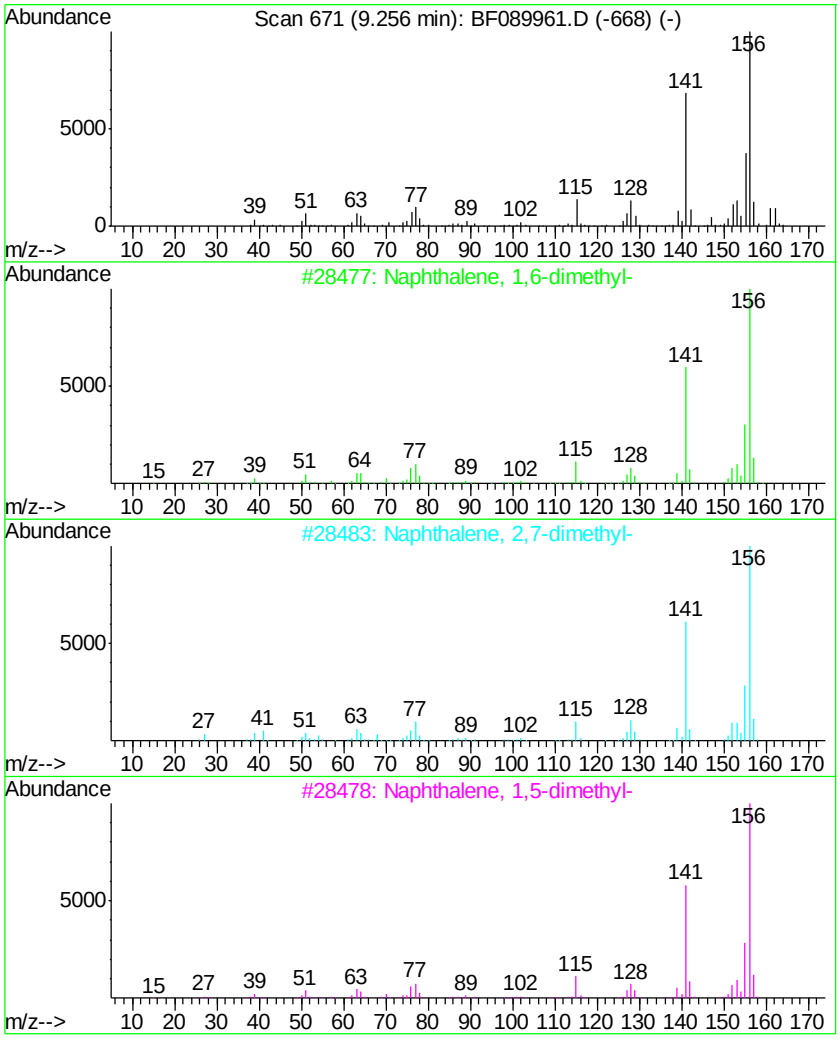
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

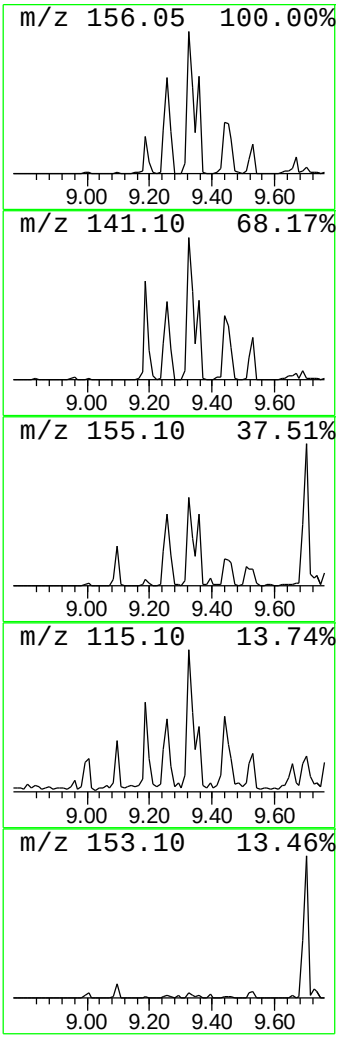
****

Peak Number 7 Naphthalene, 1,6-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.26	7.64 ng	699569	Acenaphthene-d10	9.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF083116\
Data File : BF089961.D
Acq On : 31 Aug 2016 20:17
Operator : UM/SJ
Sample : H4635-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 11FT-SOIL

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

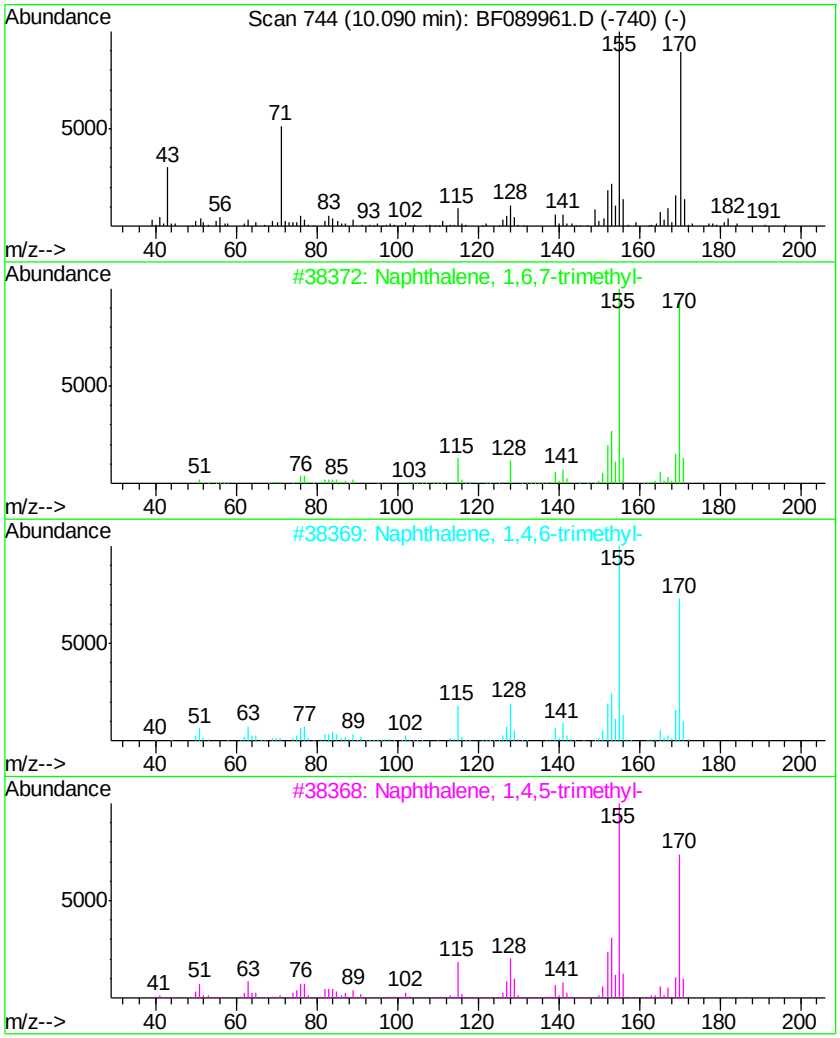
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

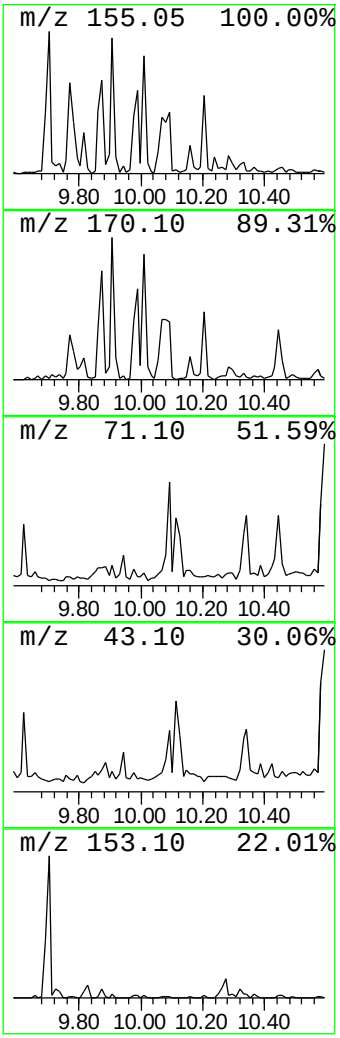
****

Peak Number 9 Naphthalene, 1,6,7-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.09	5.19 ng	475028	Acenaphthene-d10	9.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
3	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	95
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	83





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF083116\
Data File : BF089961.D
Acq On : 31 Aug 2016 20:17
Operator : UM/SJ
Sample : H4635-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 11FT-SOIL

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

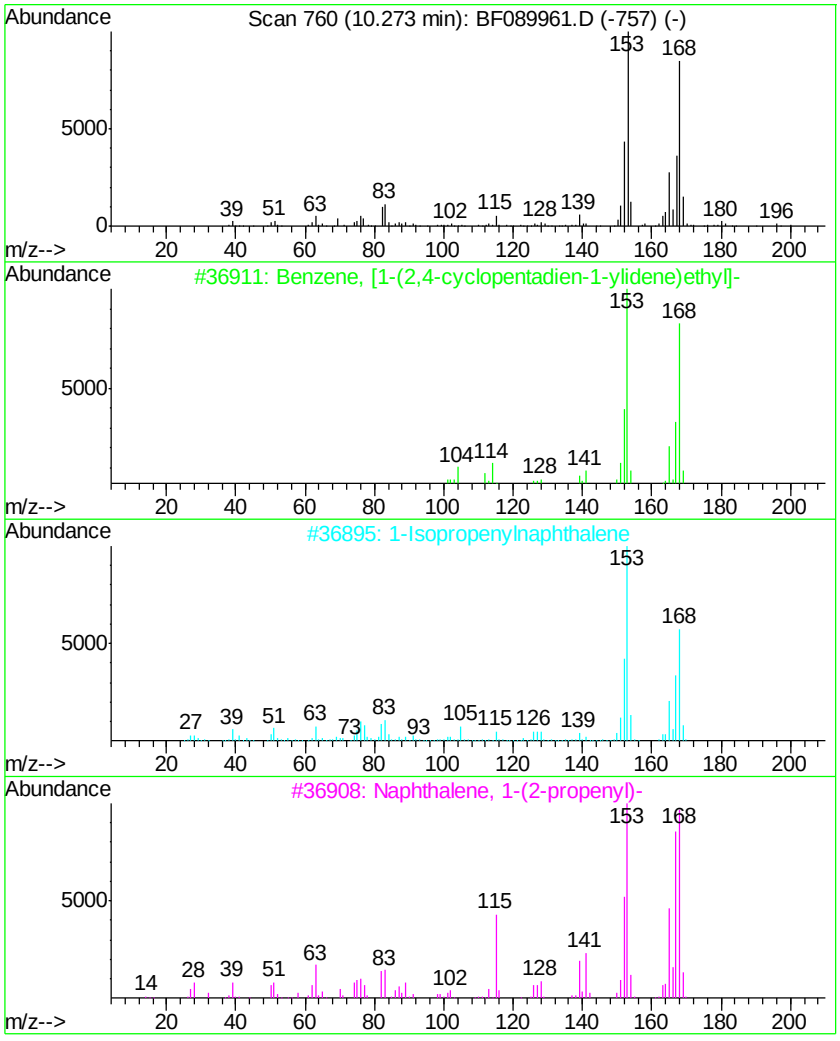
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

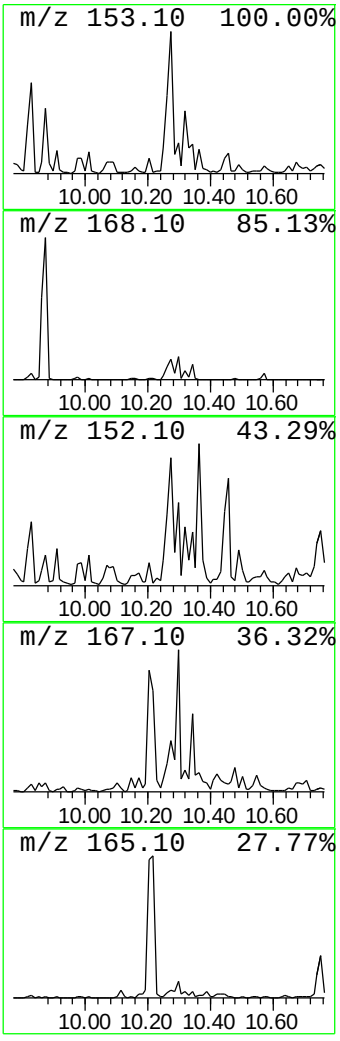
****

Peak Number 10 Benzene, [1-(2,4-cyclopenta... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.27	7.87 ng	720963	Acenaphthene-d10	9.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	87
2	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	72
3	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	64
4	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	59
5	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	52





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Data File : BF089961.D
Acq On : 31 Aug 2016 20:17
Operator : UM/SJ
Sample : H4635-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 11FT-SOIL

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

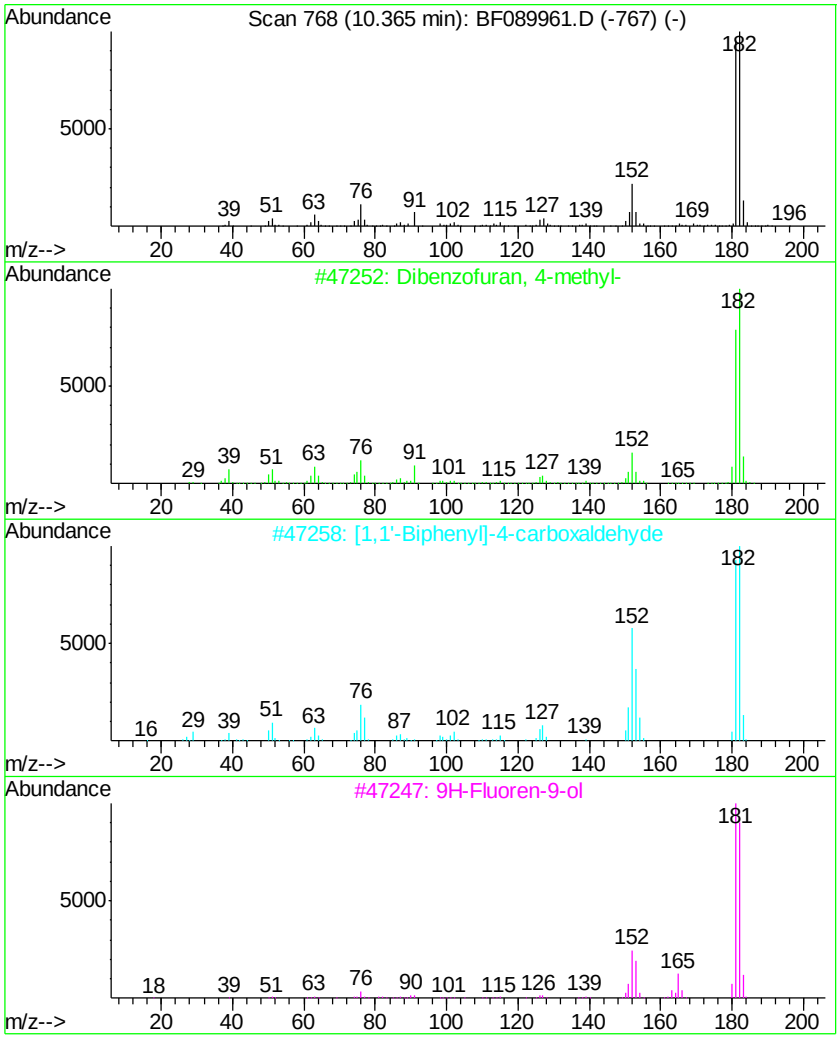
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

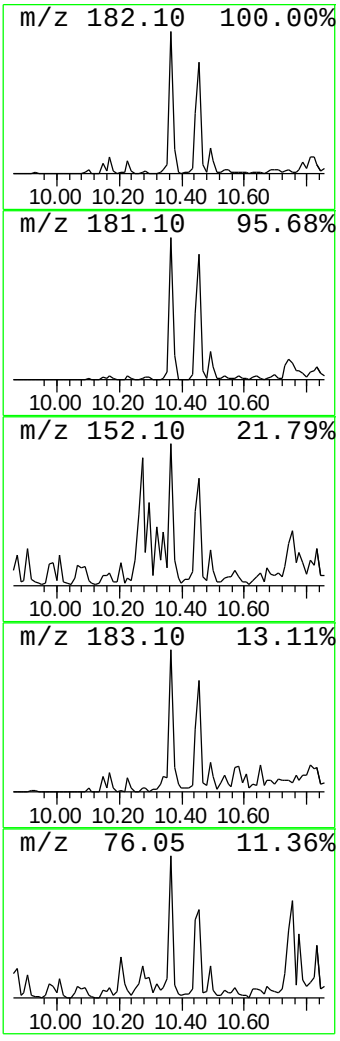
****

Peak Number 11 Dibenzofuran, 4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.36	9.37 ng	858533	Acenaphthene-d10	9.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	94
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78
5	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72





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Operator : UM/SJ
Sample : H4635-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 11FT-SOIL

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

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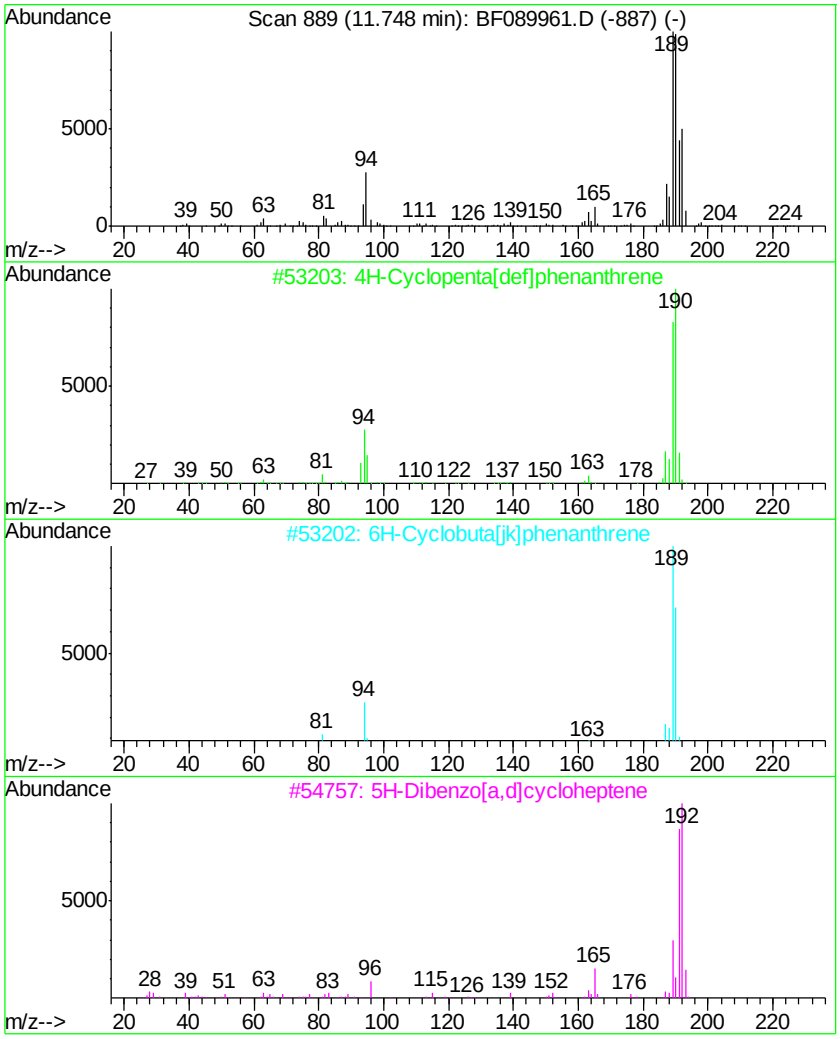
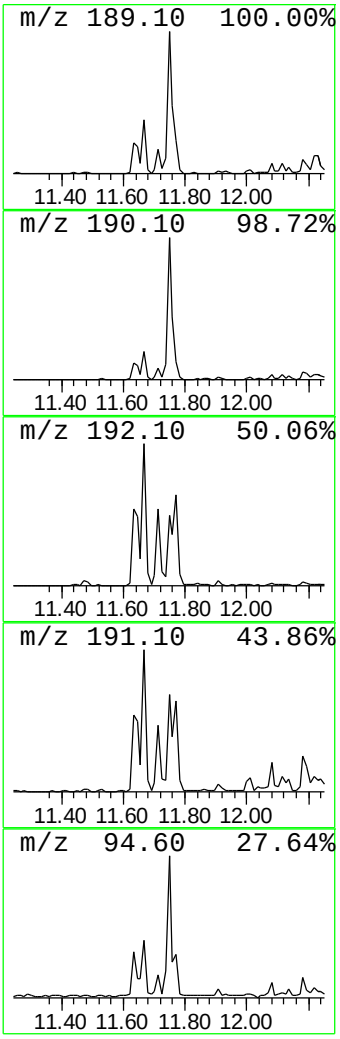
Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	7.97 ng	5069820	Phenanthrene-d10	11.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	20
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	18
5	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	14





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Acq On : 31 Aug 2016 20:17
Operator : UM/SJ
Sample : H4635-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 11FT-SOIL

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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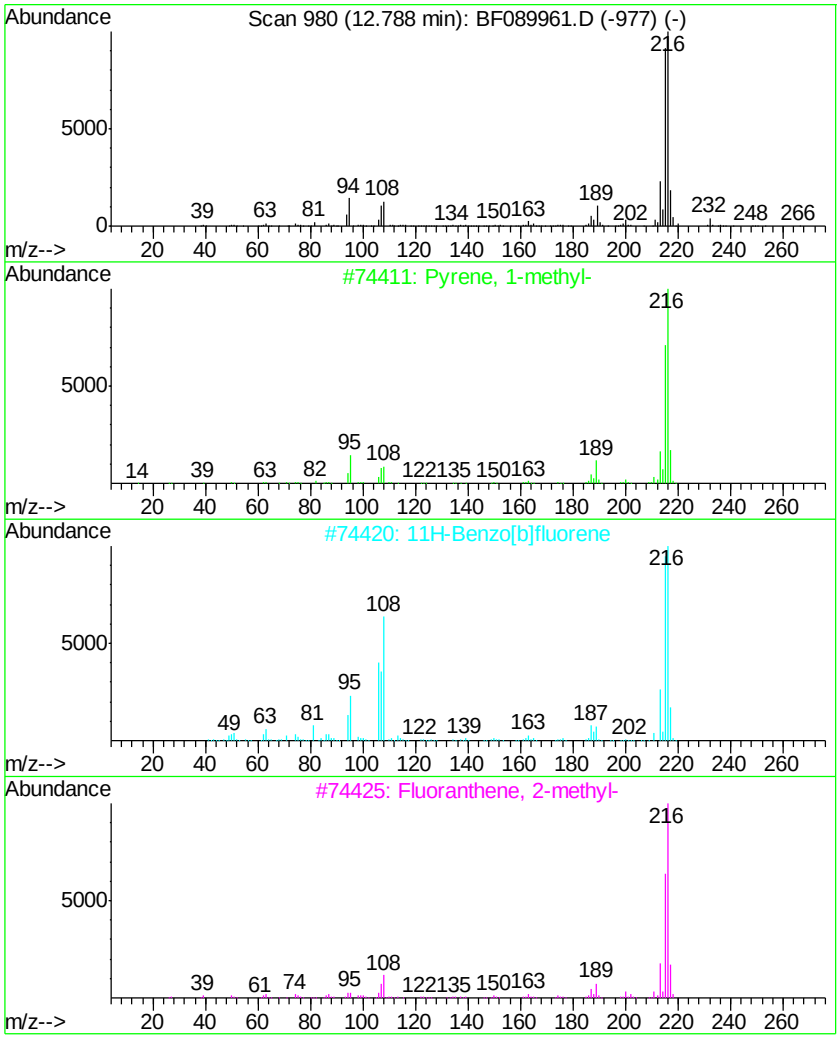
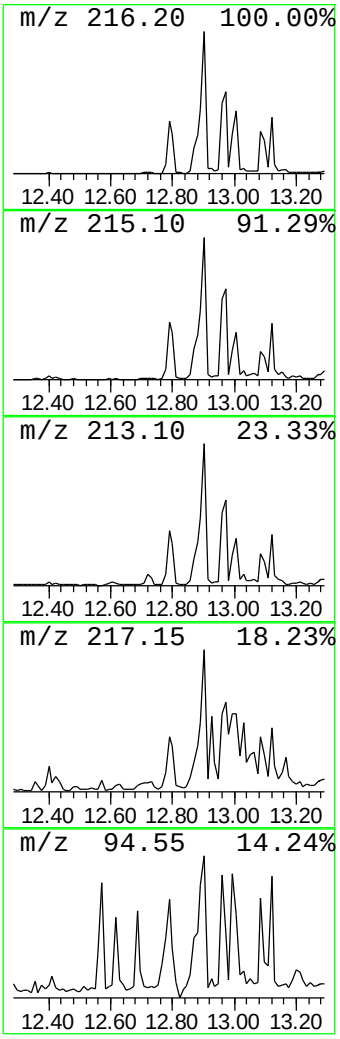
Peak Number 13 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.79	4.44 ng	2476470	Chrysene-d12	13.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	83





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Acq On : 31 Aug 2016 20:17
Operator : UM/SJ
Sample : H4635-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 11FT-SOIL

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

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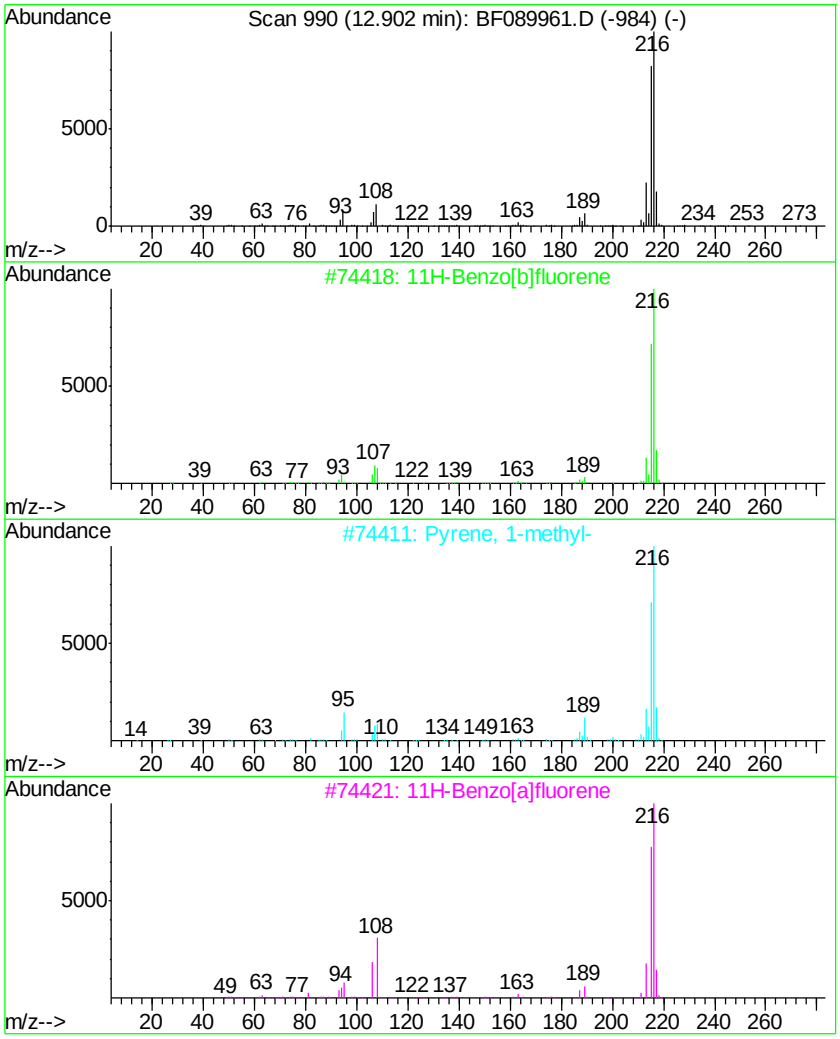
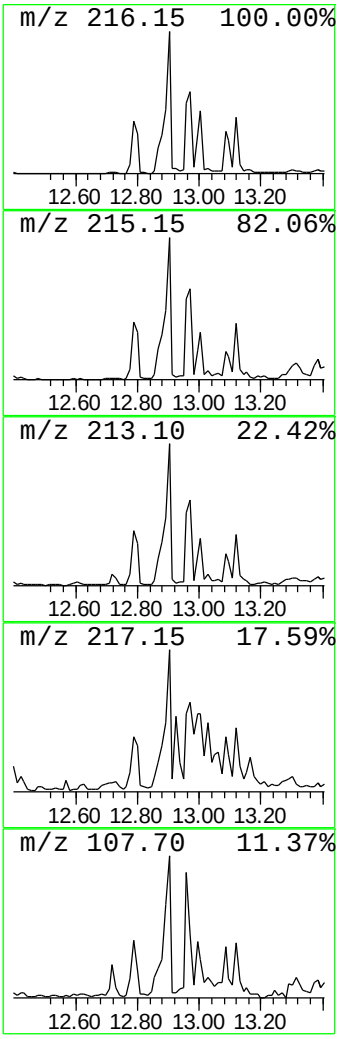
Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.90	8.27 ng	4615380	Chrysene-d12	13.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64





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Acq On : 31 Aug 2016 20:17
Operator : UM/SJ
Sample : H4635-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 11FT-SOIL

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

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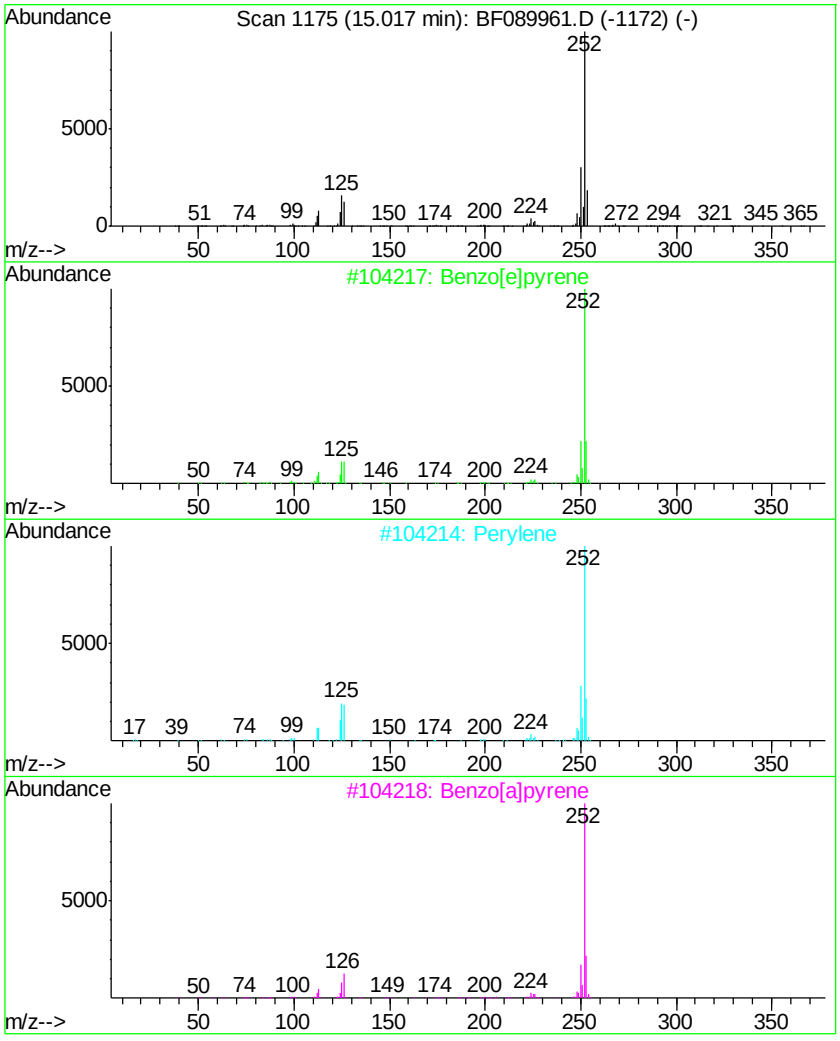
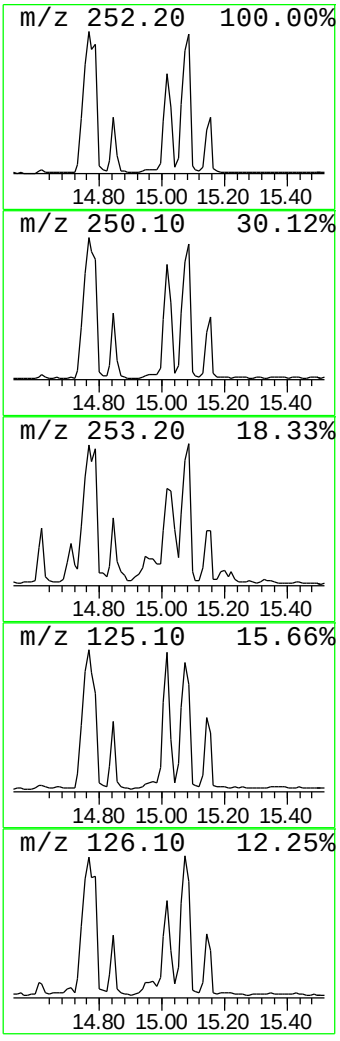
Peak Number 16 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.02	15.70 ng	4925910	Perylene-d12	15.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Perylene	252	C20H12	000198-55-0	96
3	Benzo[a]pyrene	252	C20H12	000050-32-8	94
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93





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Sample : H4635-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 11FT-SOIL

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.M
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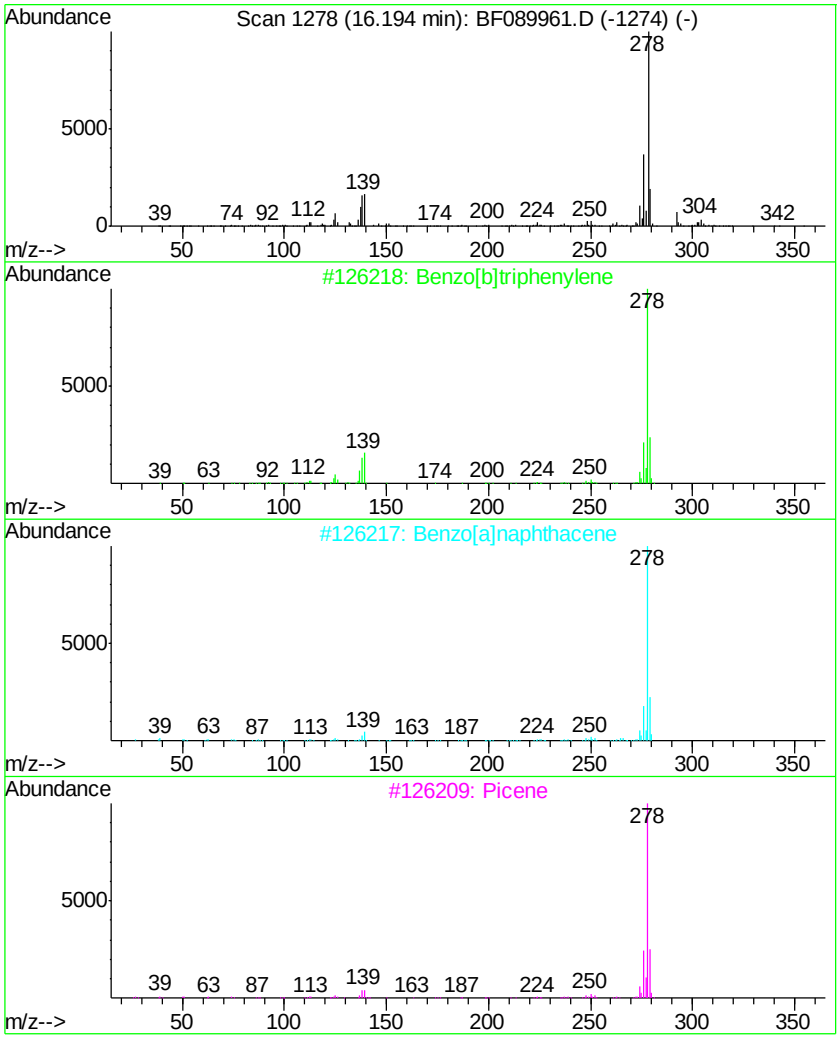
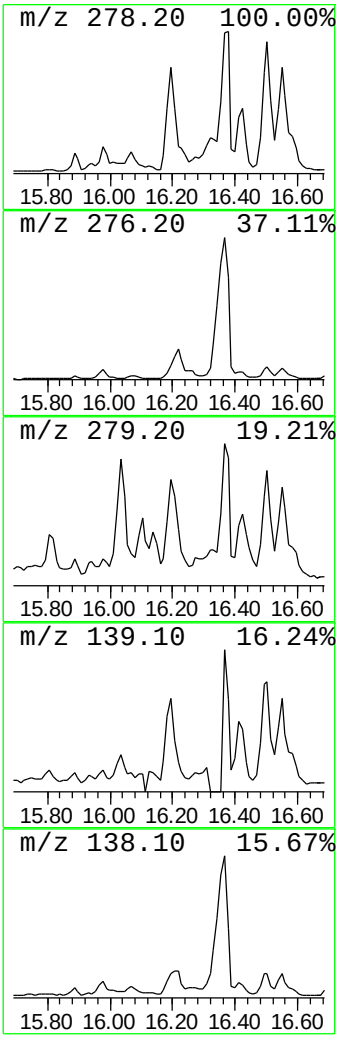
Peak Number 17 Benzo[b]triphenylene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.19	6.16 ng	1932440	Perylene-d12	15.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	91
2	Benzo[a]naphthacene	278	C22H14	000226-88-0	90
3	Picene	278	C22H14	000213-46-7	89
4	Pyrene, 1-phenyl-	278	C22H14	005101-27-9	86
5	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	76





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Acq On : 31 Aug 2016 20:17
Operator : UM/SJ
Sample : H4635-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 11FT-SOIL

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF083116.M
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TIC Library : C:\Database\NIST11.L
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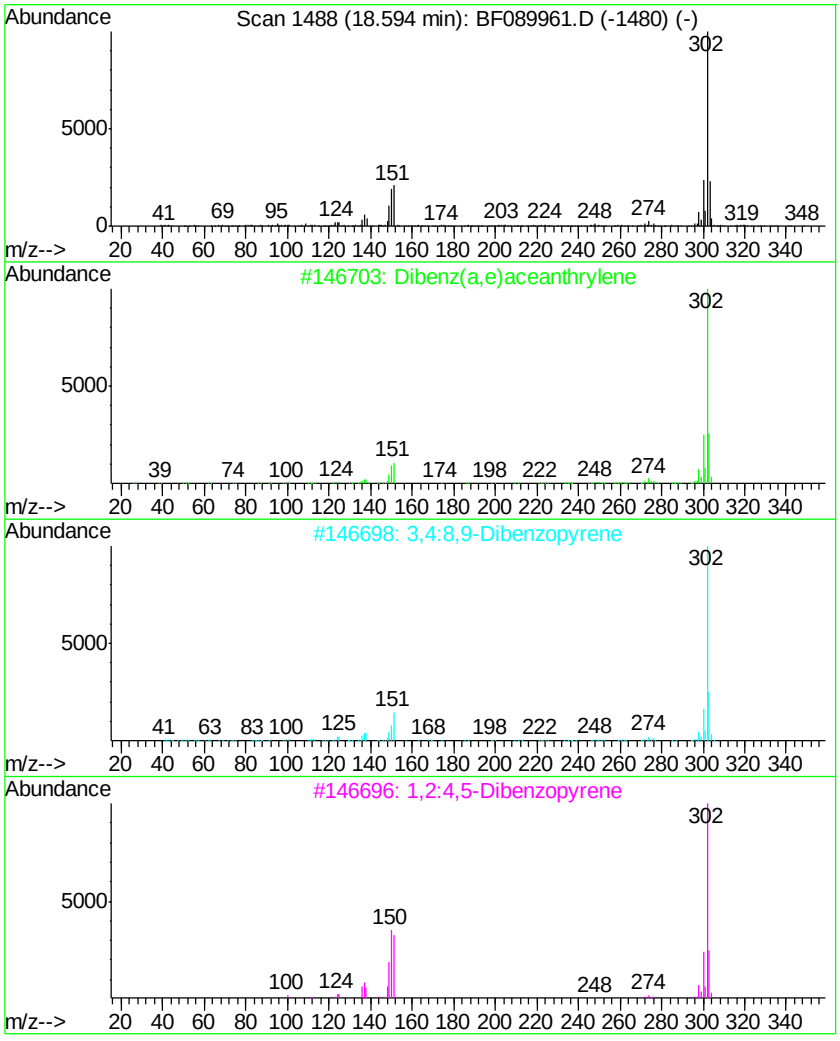
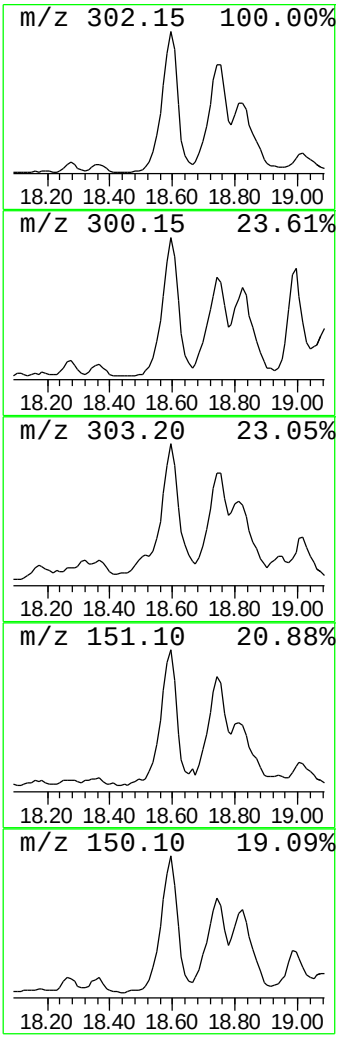
Peak Number 19 Dibenz(a,e)aceanthrylene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.59	6.66 ng	2090610	Perylene-d12	15.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	99
2	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	98
3	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	95
4	Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	83
5	Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	62





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Operator : UM/SJ
Sample : H4635-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 11FT-SOIL

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

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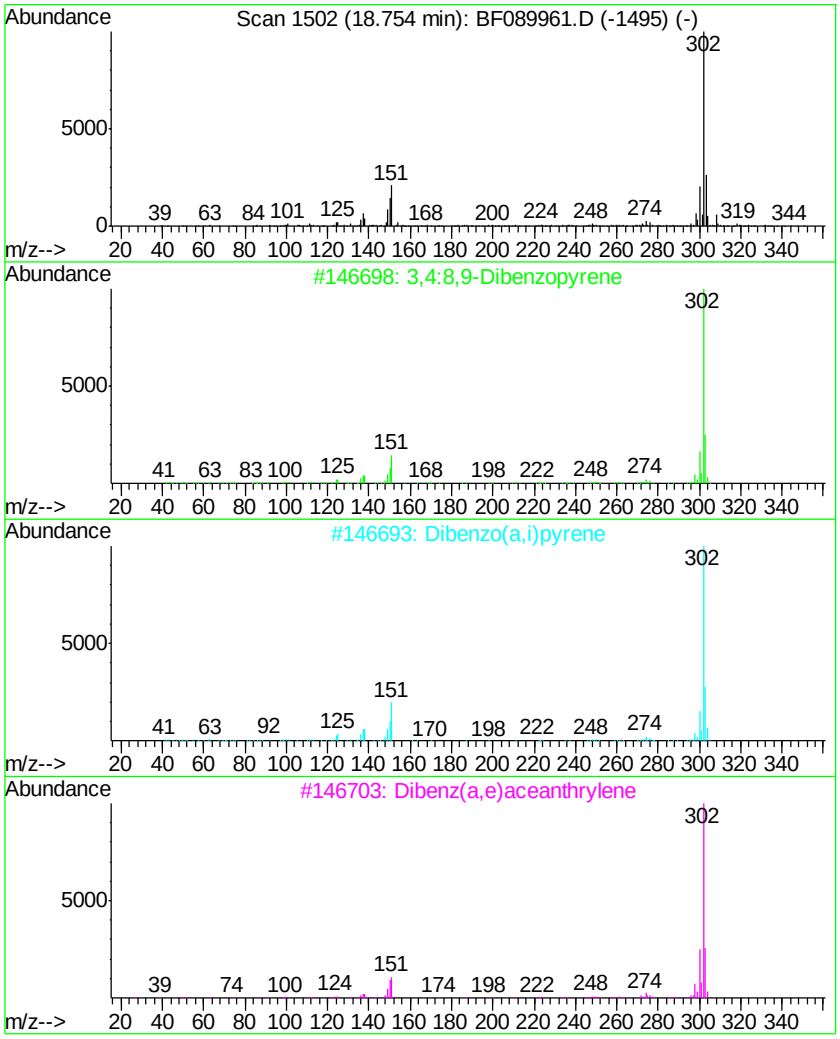
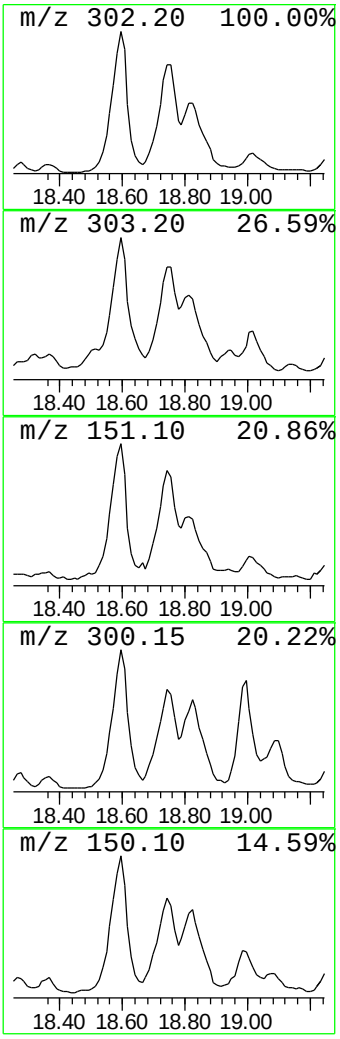
Peak Number 20 3,4:8,9-Dibenzopyrene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.75	4.28 ng	1344210	Perylene-d12	15.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	99
2	Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	98
3	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	98
4	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	97
5	1-(2-Aminobenzylidene)-1,2,3,4-t...	302	C20H18N2O	1000110-40-2	91





Tentatively Identified Compound (LSC) summary

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Operator : UM/SJ
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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...	4.78	26.2	ng	1624390	1	6.64	1240700	20.0
unknown6.41	6.41	95.6	ng	5927810	1	6.64	1240700	20.0
Naphthalene, 1,6-...	9.26	7.6	ng	699569	3	9.67	1831980	20.0
Naphthalene, 1,6,...	10.09	5.2	ng	475028	3	9.67	1831980	20.0
Benzene, [1-(2,4-...	10.27	7.9	ng	720963	3	9.67	1831980	20.0
Dibenzofuran, 4-m...	10.36	9.4	ng	858533	3	9.67	1831980	20.0
4H-Cyclopenta[def...	11.75	8.0	ng	5069820	4	11.14	12723000	20.0
Pyrene, 1-methyl-	12.79	4.4	ng	2476470	5	13.77	11167300	20.0
11H-Benzo[b]fluorene	12.90	8.3	ng	4615380	5	13.77	11167300	20.0
Benzo[e]pyrene	15.02	15.7	ng	4925910	6	15.12	6274220	20.0
Benzo[b]triphenylene	16.19	6.2	ng	1932440	6	15.12	6274220	20.0
Dibenz(a,e)aceant...	18.59	6.7	ng	2090610	6	15.12	6274220	20.0
3,4:8,9-Dibenzopy...	18.75	4.3	ng	1344210	6	15.12	6274220	20.0