LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101319\
Data File : BP000677.D
Acq On : 12 Oct 2019 19:10
Operator : JU
Sample : K5324-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SOIL-PILE

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:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.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	3.781	283	288	296	rVB	66456	94920	1.29%	0.092%
2	5.375	554	559	562	rBV	4543373	4208329	57.09%	4.086%
3	6.387	727	731	750	rBV	4296326	4562339	61.89%	4.429%
4	6.522	750	754	757	rBV	5186430	4593310	62.31%	4.459%
5	6.746	789	792	796	rBV	1858292	1547833	21.00%	1.503%
6	6.905	815	819	822	rBV	4745258	3823588	51.87%	3.712%
7	7.311	883	888	891	rBV	3160668	2836151	38.47%	2.753%
8	8.028	1007	1010	1014	rBV	2298685	2017447	27.37%	1.959%
9	8.746	1129	1132	1136	rBV	999854	885936	12.02%	0.860%
10	8.846	1144	1149	1153	rVB	756216	635729	8.62%	0.617%
11	9.116	1190	1195	1198	rBV	6430480	5579217	75.69%	5.417%
12	9.216	1205	1212	1215	rBV	406707	393194	5.33%	0.382%
13	9.310	1225	1228	1234	rVB	235227	227252	3.08%	0.221%
14	9.375	1234	1239	1244	rBV	476183	643787	8.73%	0.625%
15	9.452	1248	1252	1255	rVV	717894	694501	9.42%	0.674%
16	9.481	1255	1257	1259	rVV	494295	380125	5.16%	0.369%
17	9.510	1259	1262	1265	rVV	828912	620757	8.42%	0.603%
18	9.569	1269	1272	1278	rVV	283768	329833	4.47%	0.320%
19	9.652	1281	1286	1292	rVB2	175755	172113	2.33%	0.167%
20	9.799	1304	1311	1313	rBV2	2902629	2803362	38.03%	2.722%
21	9.828	1313	1316	1320	rVB	3647157	3038845	41.22%	2.950%
22	9.905	1325	1329	1333	rBV	102579	135881	1.84%	0.132%
23	9.957	1333	1338	1342	rBV2	185878	213707	2.90%	0.207%
24	10.005	1342	1346	1349	rVV	2532353	2174890	29.50%	2.111%
25	10.040	1349	1352	1360	rVB	162090	170672	2.32%	0.166%
26	10.116	1360	1365	1368	rBV2	139834	144406	1.96%	0.140%
27	10.146	1368	1370	1376	rVB	138201	108963	1.48%	0.106%
28	10.210	1376	1381	1382	rBV	113893	132520	1.80%	0.129%
29	10.228	1382	1384	1390	rVV3	72658	95247	1.29%	0.092%
30	10.305	1394	1397	1400	rVV4	90357	101147	1.37%	0.098%
31	10.346	1400	1404	1408	rVV	3181682	3029351	41.10%	2.941%
32	10.399	1410	1413	1414	rVV	165592	138645	1.88%	0.135%
33	10.416	1414	1416	1417	rVV	242855	196051	2.66%	0.190%
34	10.434	1417	1419	1422	rVV	450780	378079	5.13%	0.367%

LSC Area Percent Report

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Acq On : 12 Oct 2019 19:10
Operator : JU
Sample : K5324-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SOIL-PILE

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:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.481	1425	1427	1429	rVV	224294	187792	2.55%	0.182%
36	10.505	1429	1431	1436	rVB	556872	483073	6.55%	0.469%
37	10.593	1442	1446	1450	rBV	4642984	4187492	56.81%	4.065%
38	10.640	1452	1454	1458	rVB	121615	103312	1.40%	0.100%
39	10.716	1464	1467	1474	rVB3	141504	158646	2.15%	0.154%
40	10.781	1474	1478	1483	rBV3	104938	119551	1.62%	0.116%
41	10.899	1491	1498	1501	rBV2	353696	455823	6.18%	0.443%
42	10.928	1501	1503	1506	rVV	142698	129582	1.76%	0.126%
43	10.987	1509	1513	1515	rVB2	146245	155132	2.10%	0.151%
44	11.034	1515	1521	1522	rBV2	136143	171691	2.33%	0.167%
45	11.052	1522	1524	1526	rVV2	154753	148535	2.02%	0.144%
46	11.099	1530	1532	1536	rVB2	127414	121058	1.64%	0.118%
47	11.146	1536	1540	1543	rBV2	175994	222585	3.02%	0.216%
48	11.187	1543	1547	1554	rVB	644129	606929	8.23%	0.589%
49	11.293	1561	1565	1567	rBV	2672963	2744470	37.23%	2.664%
50	11.322	1567	1570	1573	rVV	7763612	7371428	100.00%	7.157%
51	11.369	1573	1578	1581	rVB	1257883	1145056	15.53%	1.112%
52	11.404	1581	1584	1588	rBV	198506	188549	2.56%	0.183%
53	11.528	1599	1605	1607	rBV2	264009	282690	3.83%	0.274%
54	11.593	1613	1616	1620	rBV2	149793	142211	1.93%	0.138%
55	11.804	1647	1652	1654	rBV	667057	618996	8.40%	0.601%
56	11.828	1654	1656	1661	rVV	874152	813819	11.04%	0.790%
57	11.875	1661	1664	1667	rVV	311831	303436	4.12%	0.295%
58	11.916	1667	1671	1673	rVV	1682494	1559087	21.15%	1.514%
59	11.934	1673	1674	1680	rVB	336259	263612	3.58%	0.256%
60	12.099	1699	1702	1705	rVB	510174	410144	5.56%	0.398%
61	12.251	1724	1728	1731	rVB2	118781	117204	1.59%	0.114%
62	12.357	1742	1746	1749	rBV	191459	223123	3.03%	0.217%
63	12.399	1749	1753	1758	rVB3	168166	240678	3.27%	0.234%
64	12.446	1758	1761	1766	rBV3	98197	129832	1.76%	0.126%
65	12.522	1770	1774	1778	rBV	5849885	5840036	79.23%	5.670%
66	12.587	1778	1785	1788	rBV2	99439	147035	1.99%	0.143%
67	12.675	1796	1800	1804	rVB2	145468	154802	2.10%	0.150%
68	12.751	1807	1813	1816	rBV2	3980011	4854890	65.86%	4.713%
69	12.804	1819	1822	1827	rVB	217514	229975	3.12%	0.223%
70	12.875	1830	1834	1835	rBV	281338	252268	3.42%	0.245%
71	12.904	1835	1839	1842	rVV	6481718	6250585	84.79%	6.068%

LSC Area Percent Report

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Acq On : 12 Oct 2019 19:10
Operator : JU
Sample : K5324-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SOIL-PILE

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:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.975	1845	1851	1854	rBV2	210380	365250	4.95%	0.355%
73	13.063	1859	1866	1867	rBV4	182558	222682	3.02%	0.216%
74	13.087	1867	1870	1873	rVB	899623	756954	10.27%	0.735%
75	13.151	1878	1881	1884	rBV	974912	827230	11.22%	0.803%
76	13.193	1884	1888	1890	rVV2	288884	333701	4.53%	0.324%
77	13.281	1900	1903	1906	rVB	93682	89010	1.21%	0.086%
78	13.316	1906	1909	1916	rBV2	121719	137873	1.87%	0.134%
79	13.575	1950	1953	1956	rBV	83619	99591	1.35%	0.097%
80	13.710	1973	1976	1979	rBV	176169	160056	2.17%	0.155%
81	13.740	1979	1981	1983	rVV	204080	159018	2.16%	0.154%
82	13.763	1983	1985	1987	rVV	145039	137440	1.86%	0.133%
83	13.822	1991	1995	2003	rBV5	361607	624012	8.47%	0.606%
84	13.969	2011	2020	2022	rBV2	3157666	3967720	53.83%	3.852%
85	13.993	2022	2024	2032	rVB	970575	818827	11.11%	0.795%
86	14.075	2033	2038	2040	rBV	216468	215056	2.92%	0.209%
87	14.146	2047	2050	2054	rVV3	74038	92012	1.25%	0.089%
88	14.193	2054	2058	2062	rVB2	71293	101448	1.38%	0.098%
89	14.357	2082	2086	2089	rVB	118387	117654	1.60%	0.114%
90	14.457	2096	2103	2105	rBV3	182144	225560	3.06%	0.219%
91	14.504	2109	2111	2115	rVB2	113643	106811	1.45%	0.104%
92	14.763	2152	2155	2164	rVB	159678	182084	2.47%	0.177%
93	15.016	2193	2198	2201	rBV	367190	563177	7.64%	0.547%
94	15.104	2209	2213	2220	rVB4	172642	258941	3.51%	0.251%
95	15.316	2245	2249	2255	rVB	157926	207626	2.82%	0.202%
96	15.375	2255	2259	2265	rBV2	219092	311274	4.22%	0.302%
97	15.440	2265	2270	2275	rVV	2044277	2714883	36.83%	2.636%
98	15.487	2275	2278	2286	rVB	165231	243350	3.30%	0.236%
99	15.928	2348	2353	2360	rBV	115037	188860	2.56%	0.183%
100	16.434	2434	2439	2452	rVB2	64280	131075	1.78%	0.127%

Sum of corrected areas: 103002429

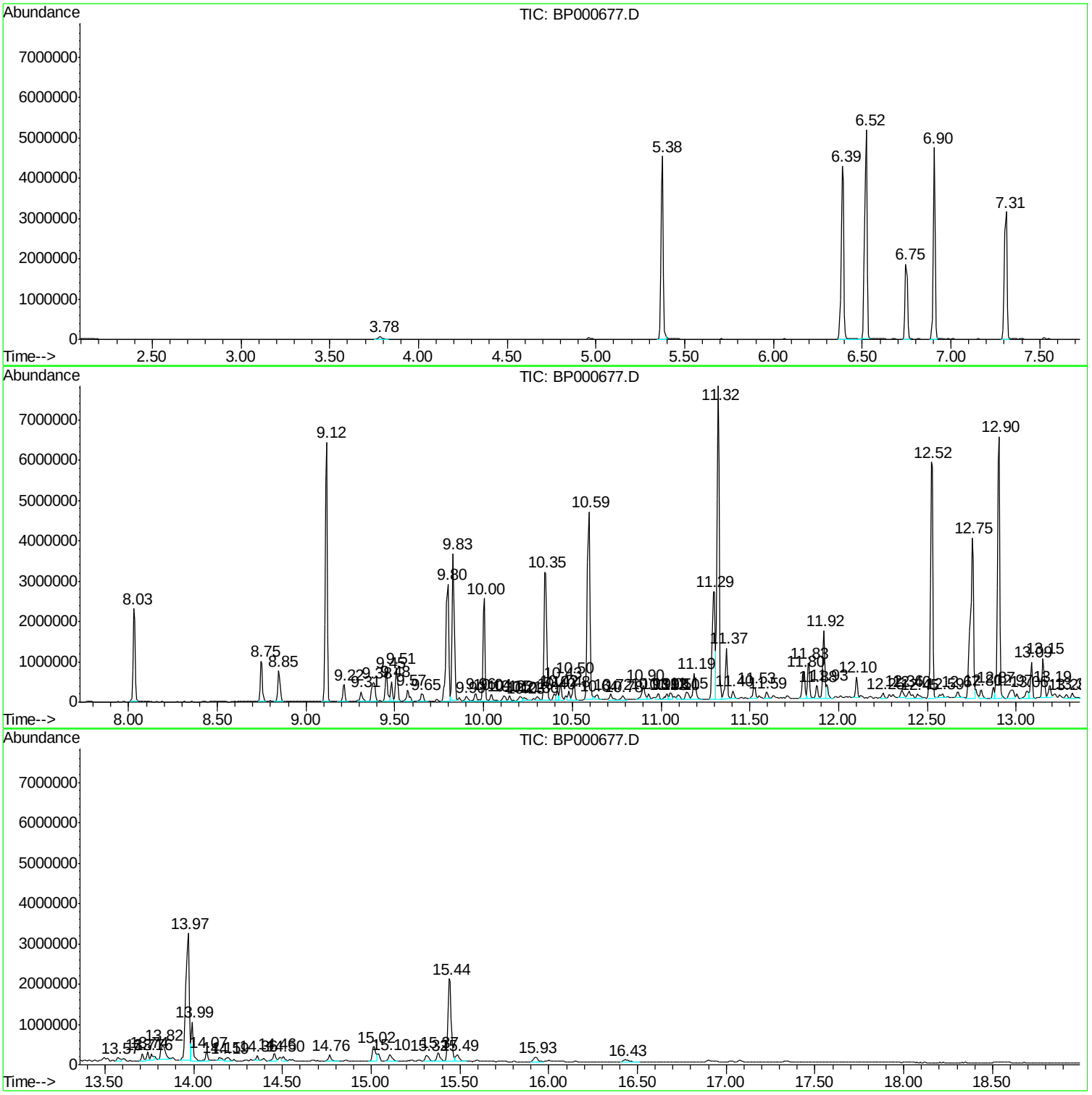
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101319\
Data File : BP000677.D
Acq On : 12 Oct 2019 19:10
Operator : JU
Sample : K5324-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SOIL-PILE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101319\
Data File : BP000677.D
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ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SOIL-PILE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

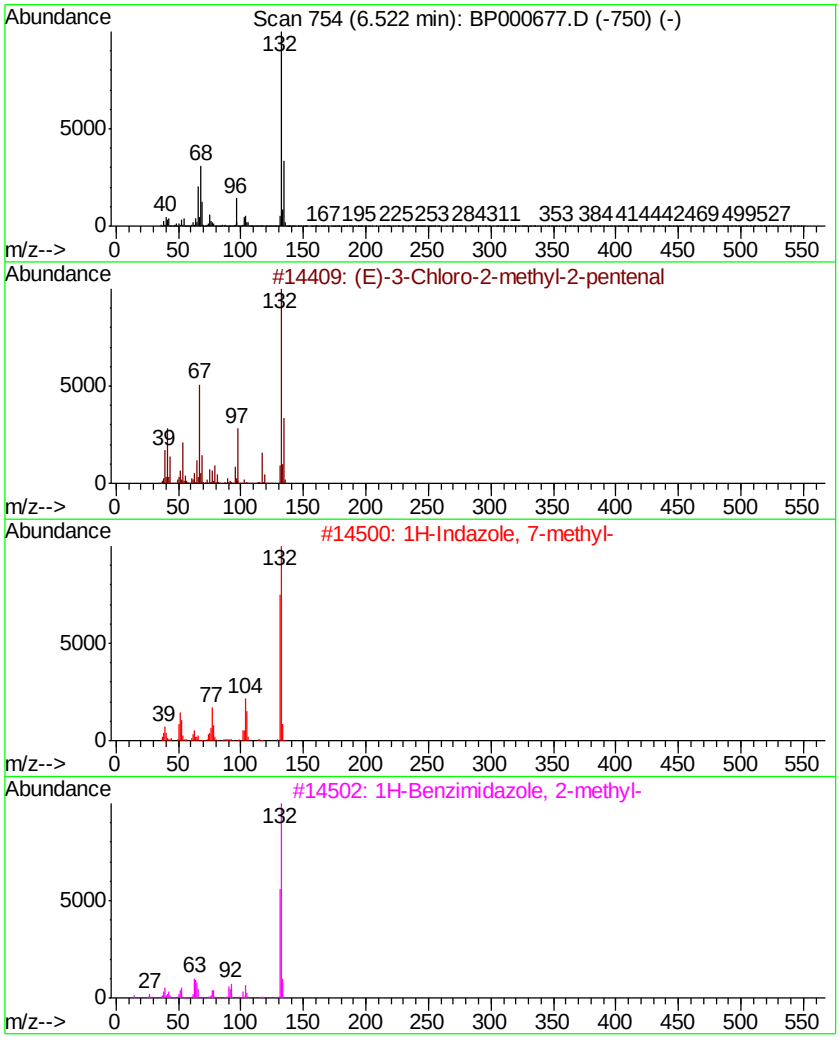
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

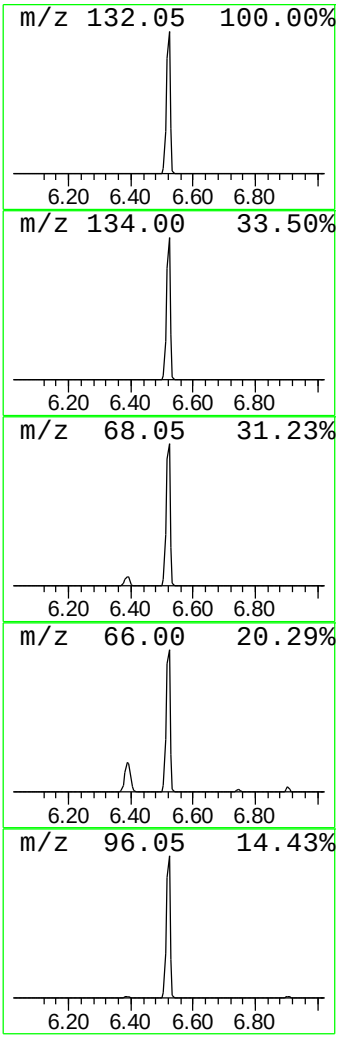
****

Peak Number 1 unknown6.52 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.52	59.35 ng	4593310	1,4-Dichlorobenzene-d4	6.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
2	1H-Indazole, 7-methyl-	132	C8H8N2	1000316-00-7	12
3	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9
4	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	9
5	(5-Methyl-2-pyridyl)acetonitrile	132	C8H8N2	1000241-93-9	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101319\
Data File : BP000677.D
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Sample : K5324-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SOIL-PILE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

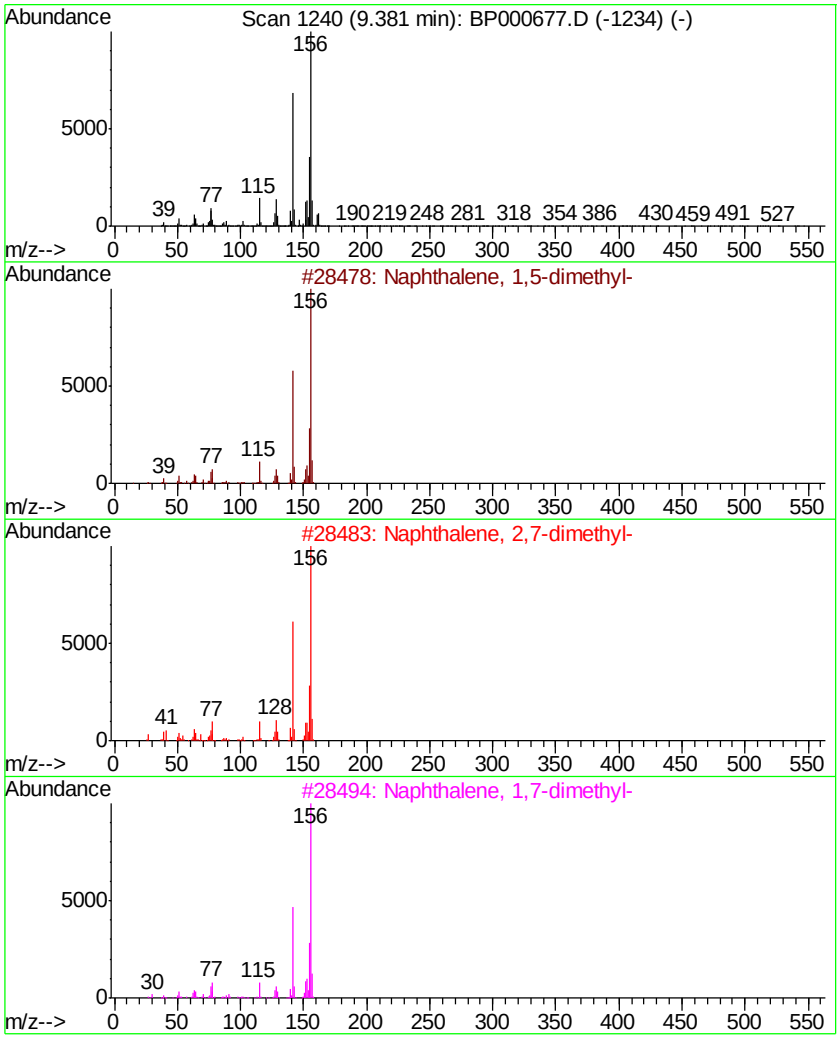
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

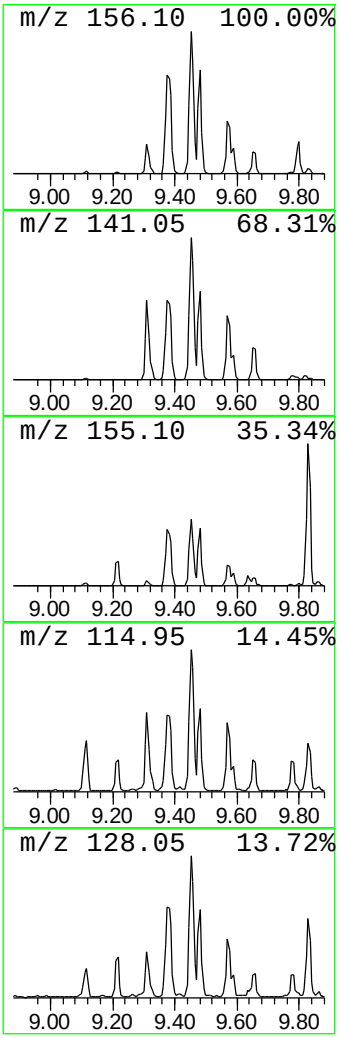
****

Peak Number 3 Naphthalene, 1,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.38	4.59 ng	643787	Acenaphthene-d10	9.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101319\
Data File : BP000677.D
Acq On : 12 Oct 2019 19:10
Operator : JU
Sample : K5324-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SOIL-PILE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.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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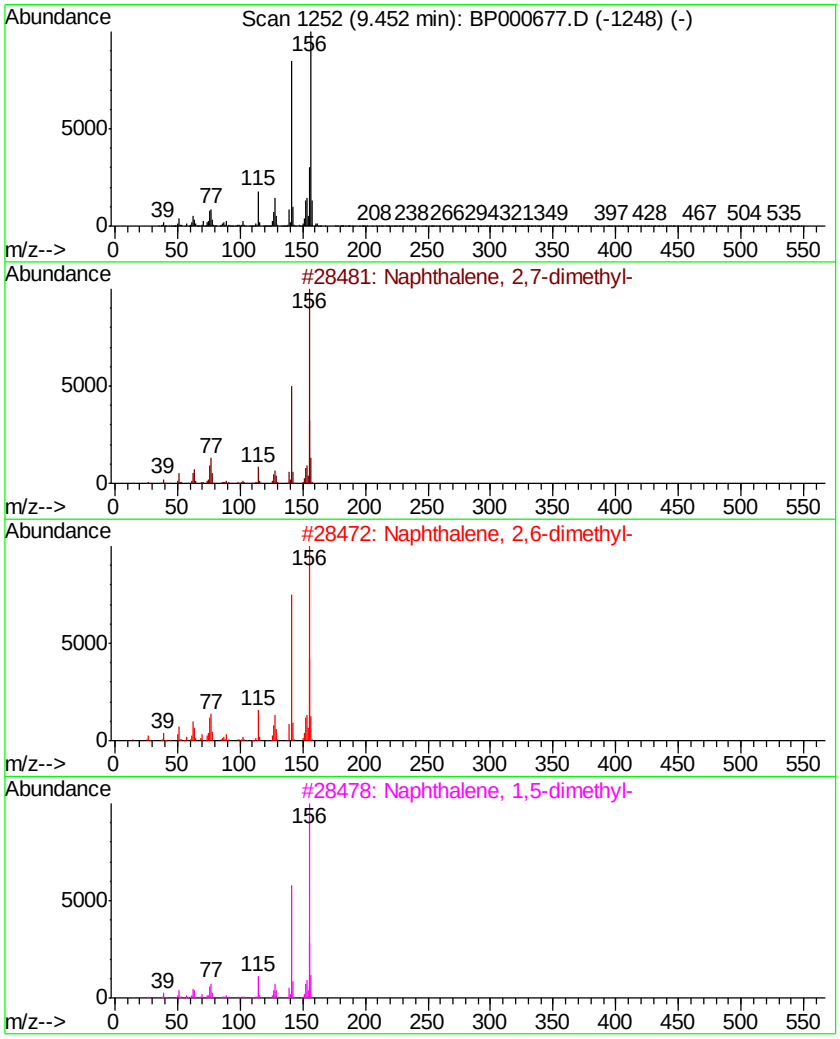
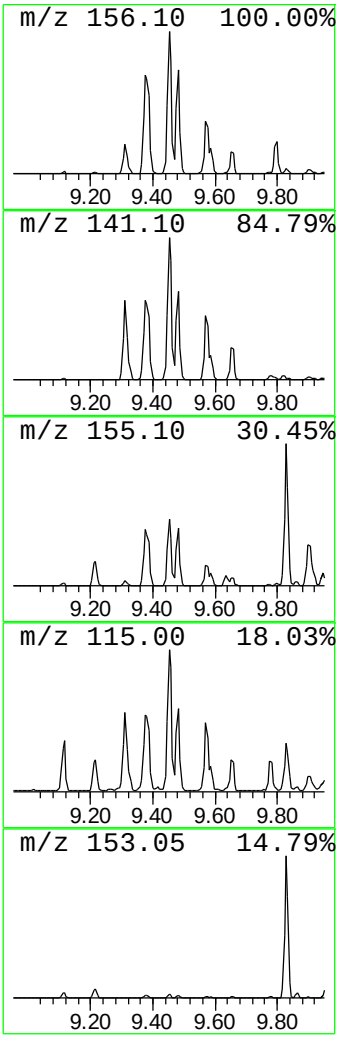
Peak Number 4 Naphthalene, 2,7-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.45	4.95 ng	694501	Acenaphthene-d10	9.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97





Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101319\
Data File : BP000677.D
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Operator : JU
Sample : K5324-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SOIL-PILE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.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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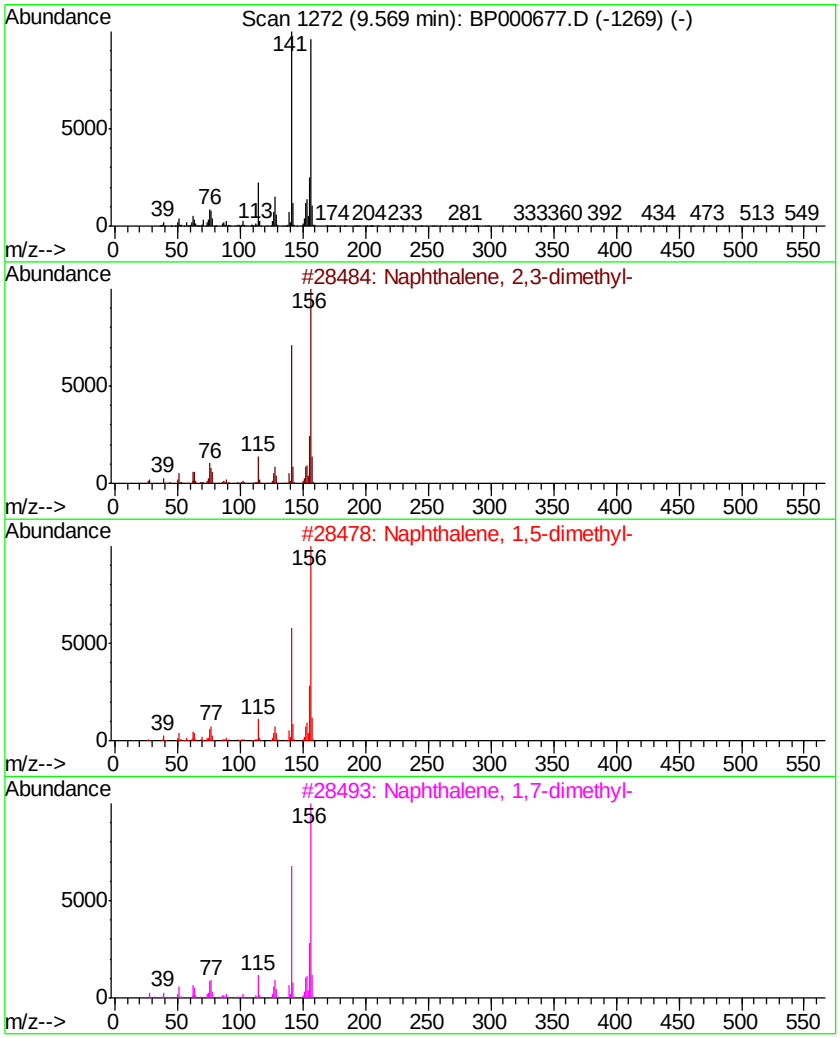
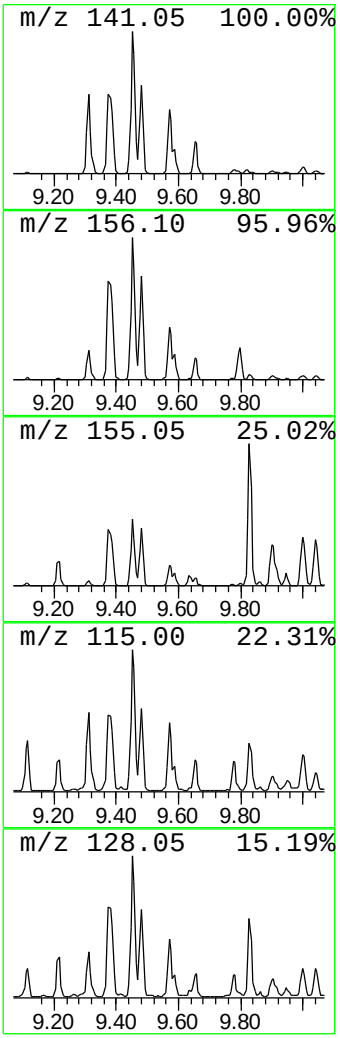
Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.57	2.35 ng	329833	Acenaphthene-d10	9.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101319\
Data File : BP000677.D
Acq On : 12 Oct 2019 19:10
Operator : JU
Sample : K5324-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SOIL-PILE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

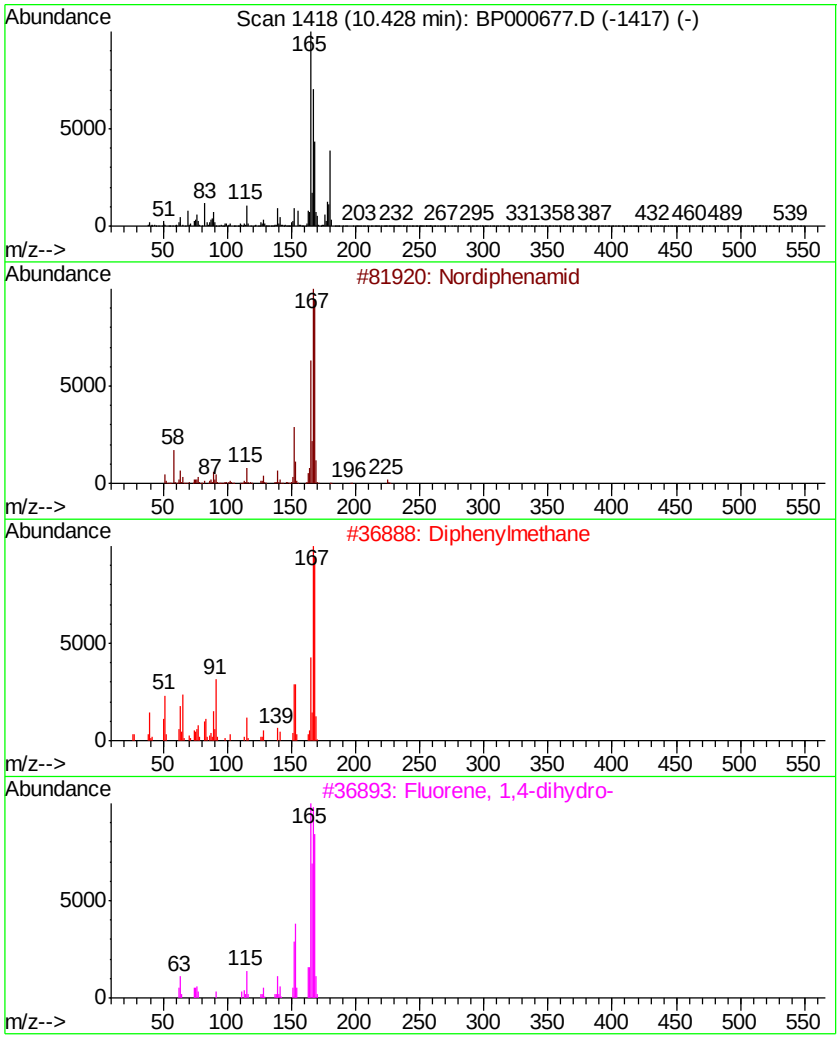
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

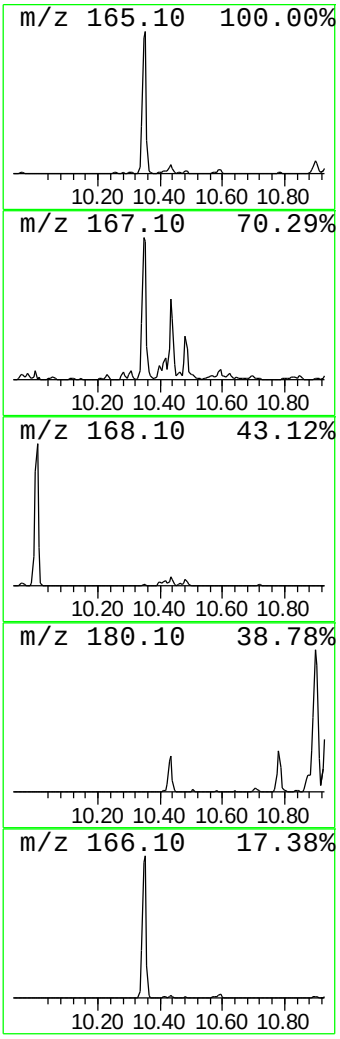
****

Peak Number 6 Nordiphenamid Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.43	2.70 ng	378079	Acenaphthene-d10	9.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nordiphenamid	225	C15H15NO	000954-21-2	86
2	Diphenylmethane	168	C13H12	000101-81-5	76
3	Fluorene, 1,4-dihydro-	168	C13H12	041593-21-9	58
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	55
5	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	50





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Acq On : 12 Oct 2019 19:10
Operator : JU
Sample : K5324-01
Misc :
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Instrument : BNA_P
ClientSampleId : SOIL-PILE

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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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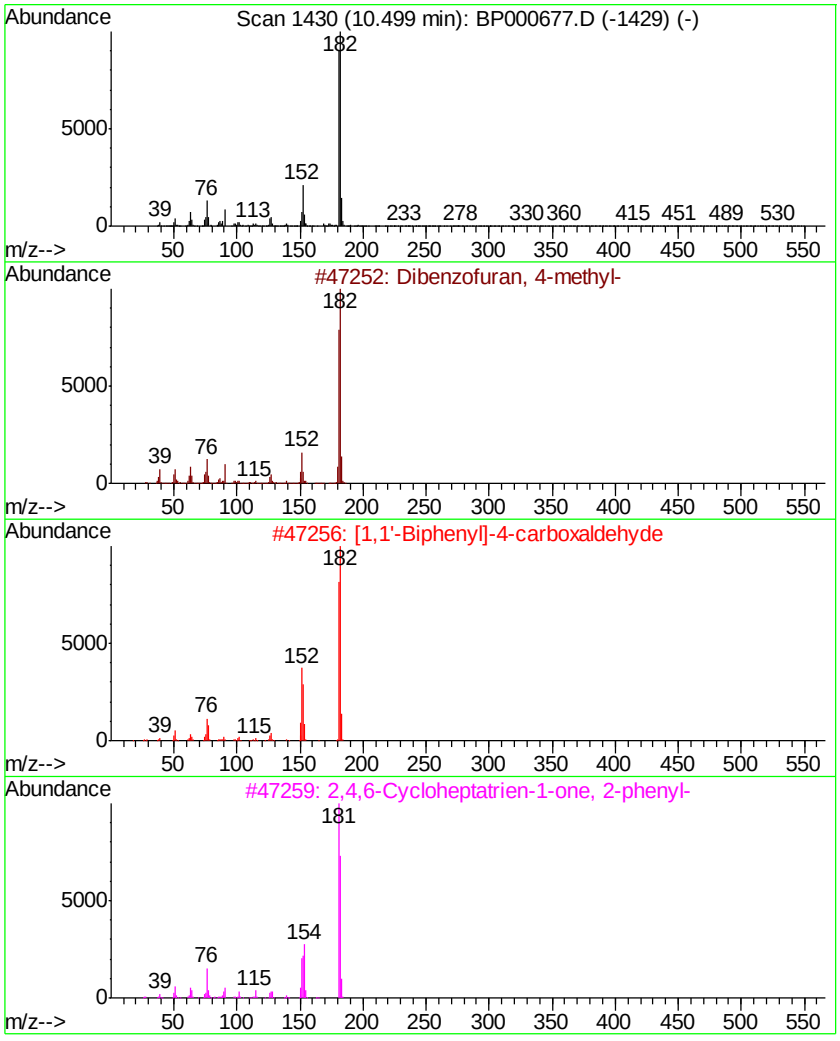
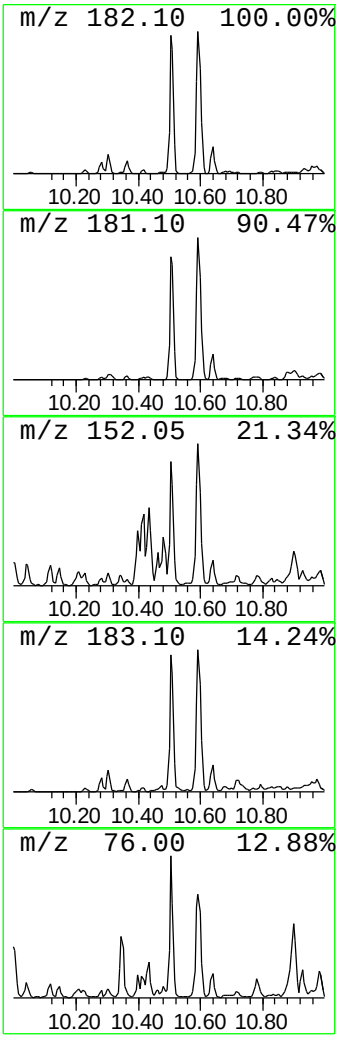
Peak Number 7 Dibenzofuran, 4-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.50	3.45 ng	483073	Acenaphthene-d10	9.80

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	91
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	9H-Xanthene	182	C13H10O	000092-83-1	64





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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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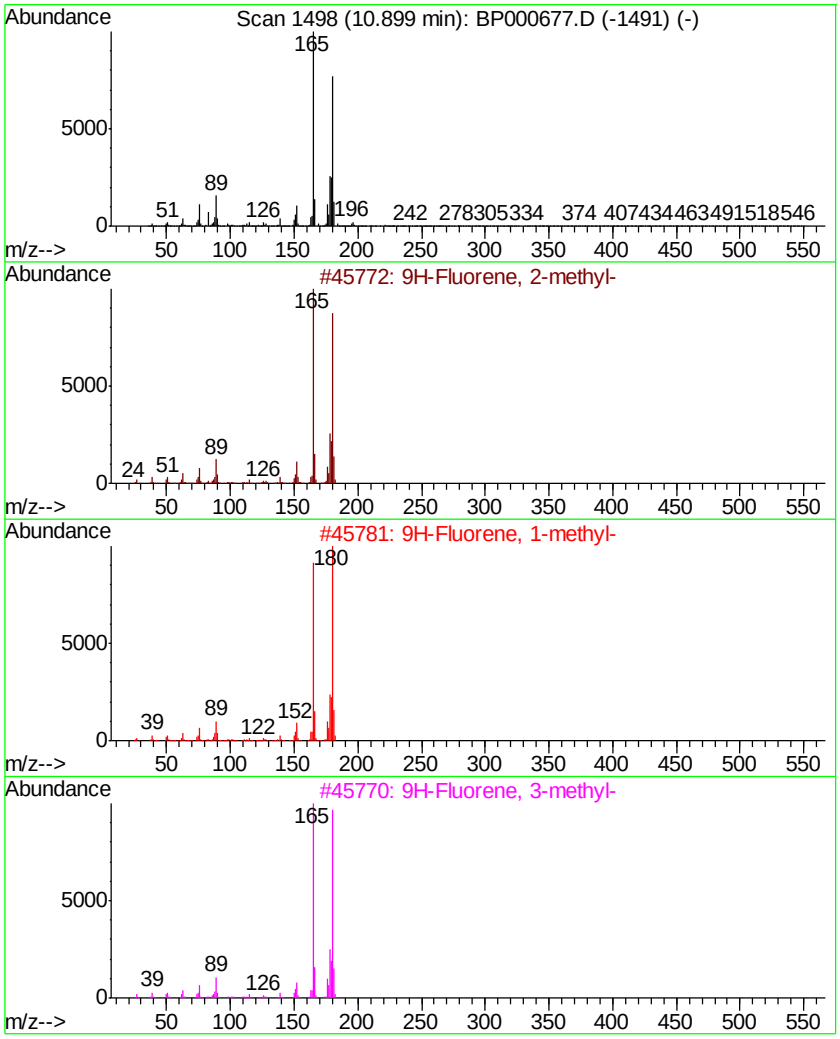
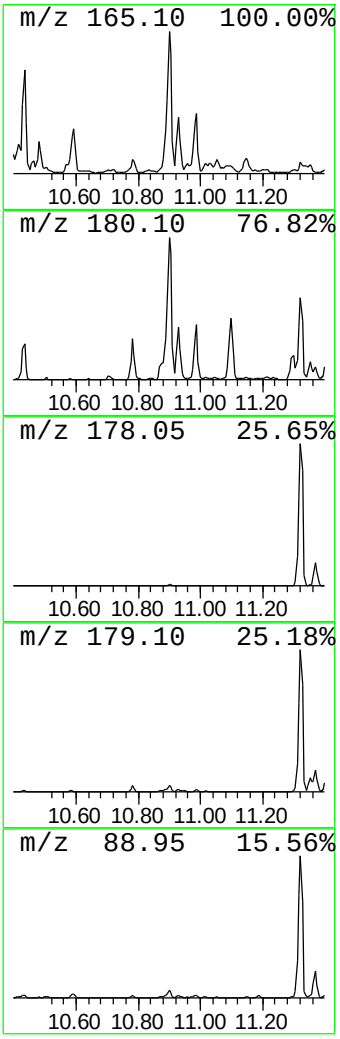
Peak Number 8 9H-Fluorene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.90	3.32 ng	455823	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	94
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	70





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ClientSampleId : SOIL-PILE

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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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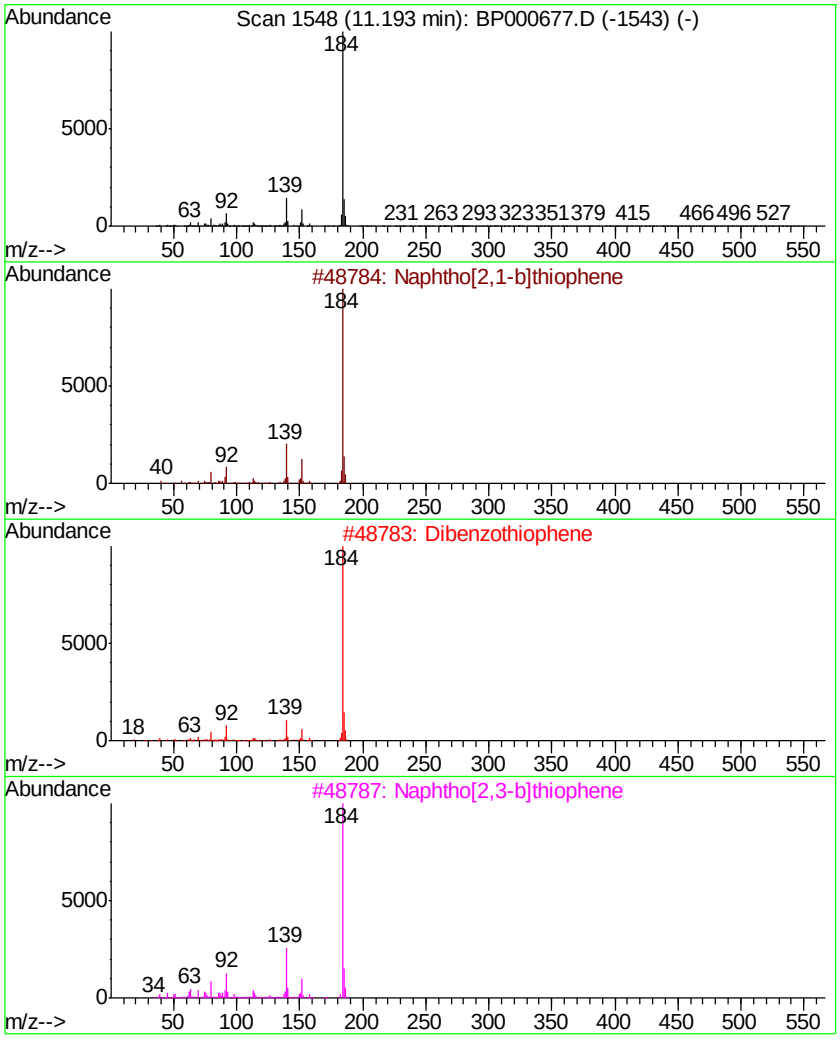
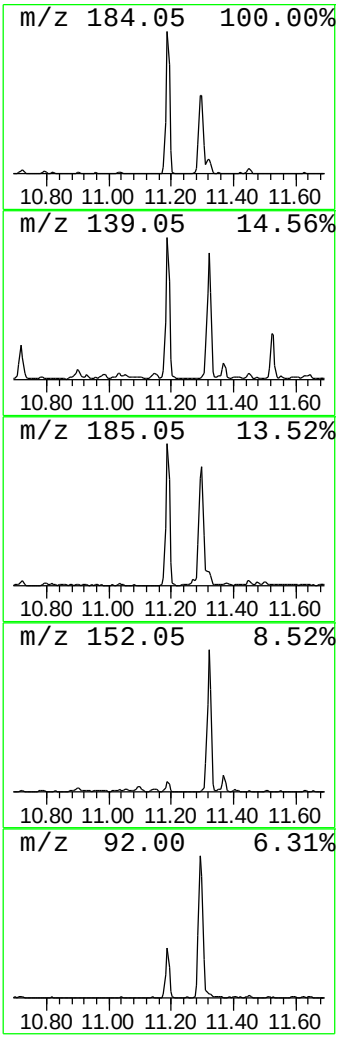
Peak Number 9 Naphtho[2,1-b]thiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.19	4.42 ng	606929	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
2	Dibenzothiophene	184	C12H8S	000132-65-0	96
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	83
5	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

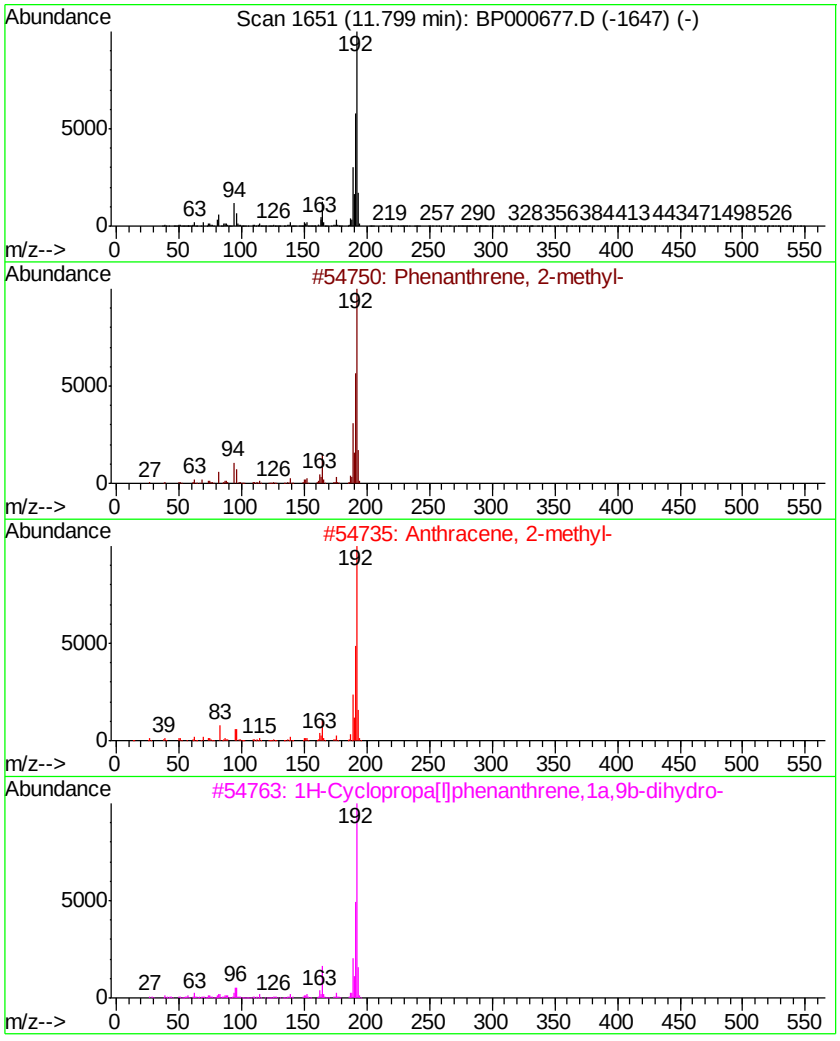
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

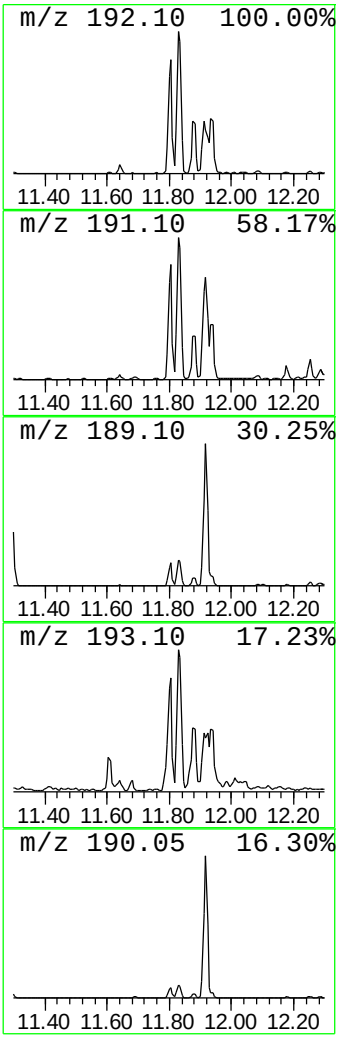
****

Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.80	4.51 ng	618996	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
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	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





Library Search Compound Report

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Acq On : 12 Oct 2019 19:10
Operator : JU
Sample : K5324-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SOIL-PILE

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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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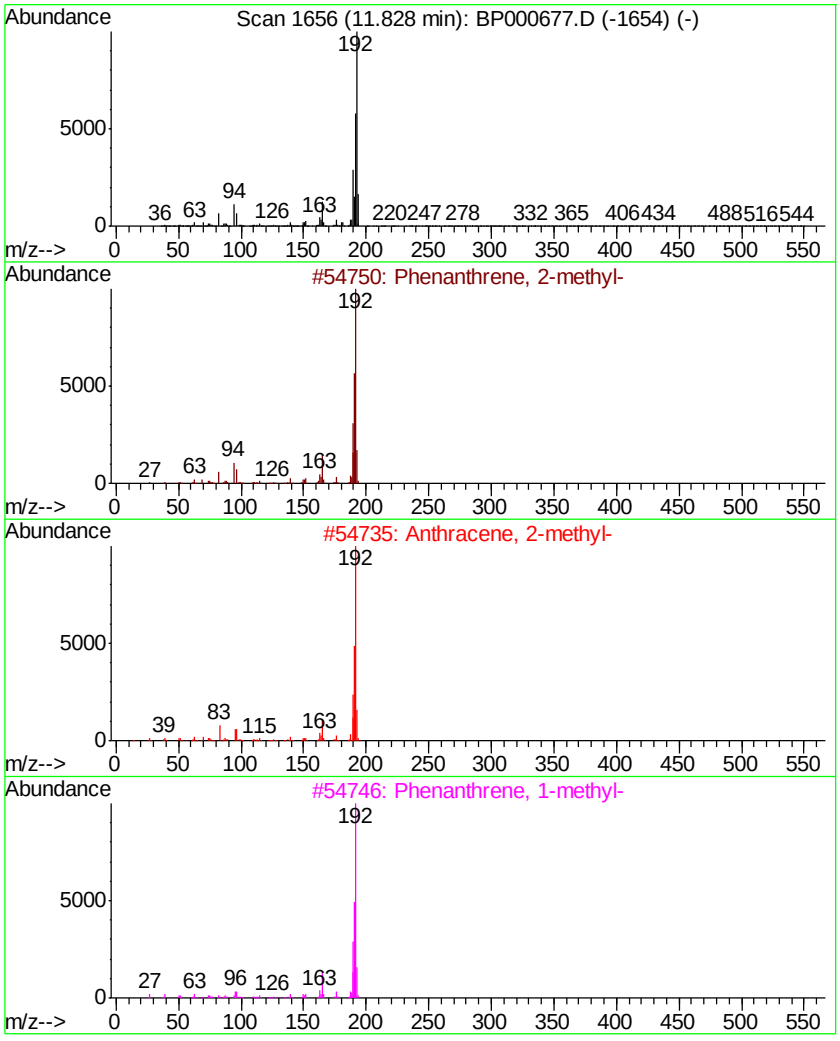
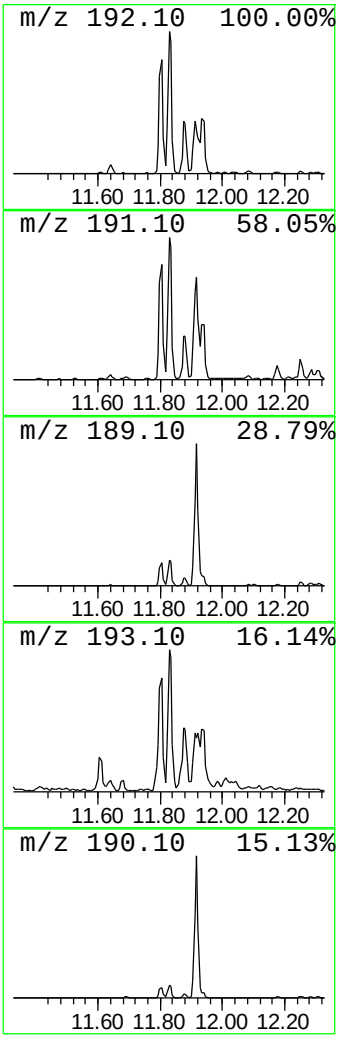
Peak Number 11 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	5.93 ng	813819	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95





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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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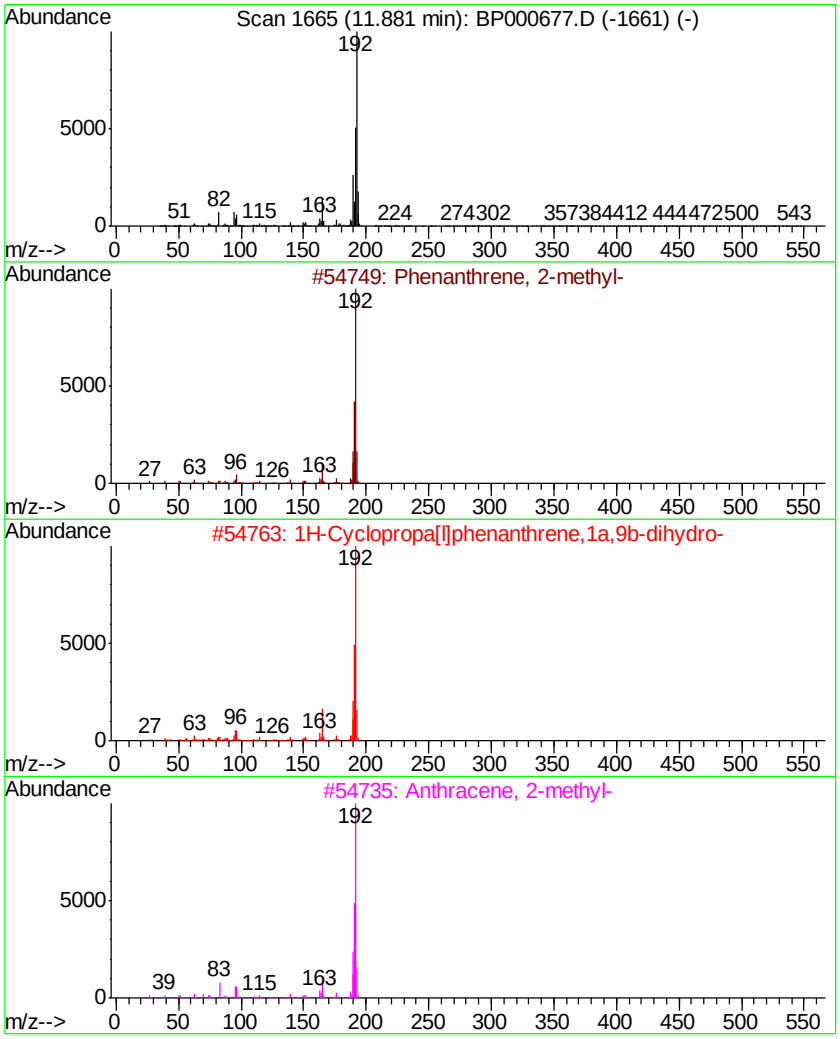
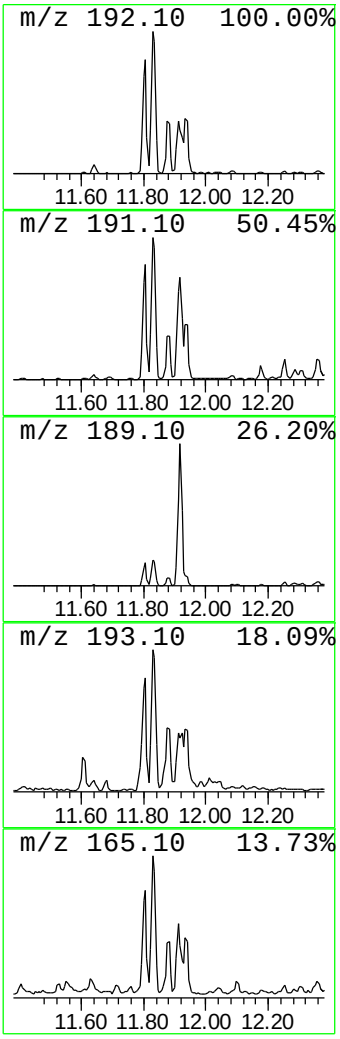
Peak Number 12 1H-Indene, 2-phenyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	2.21 ng	303436	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95





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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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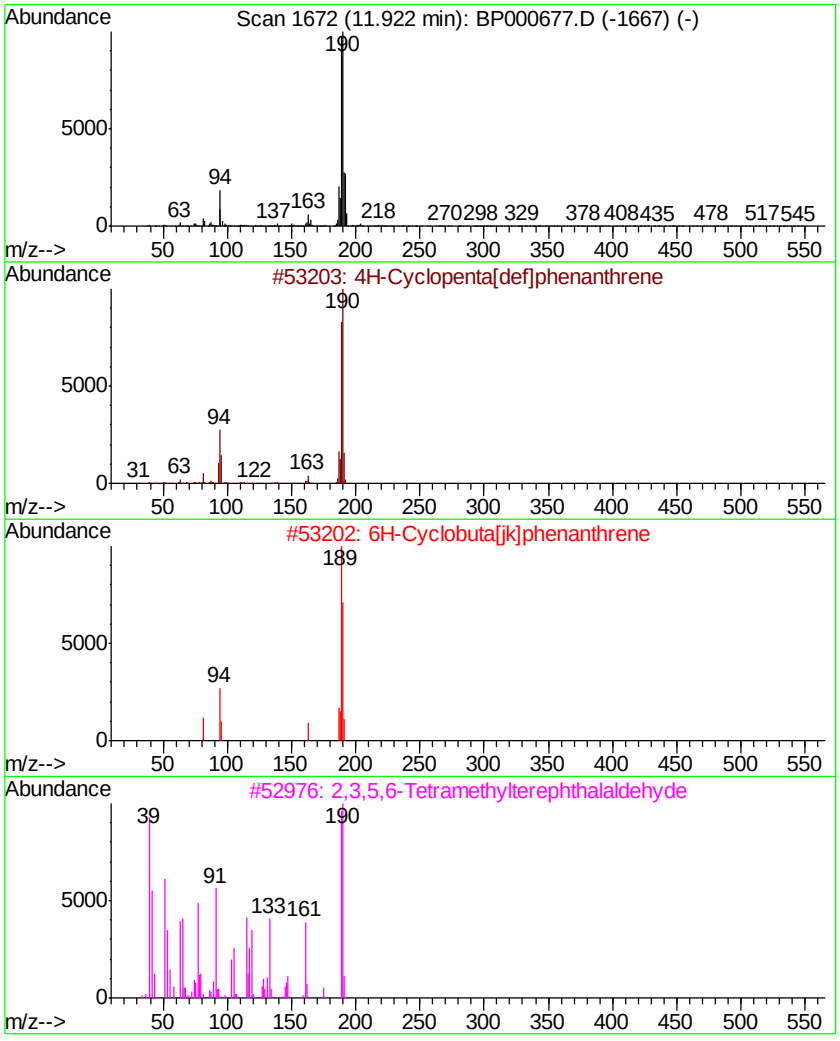
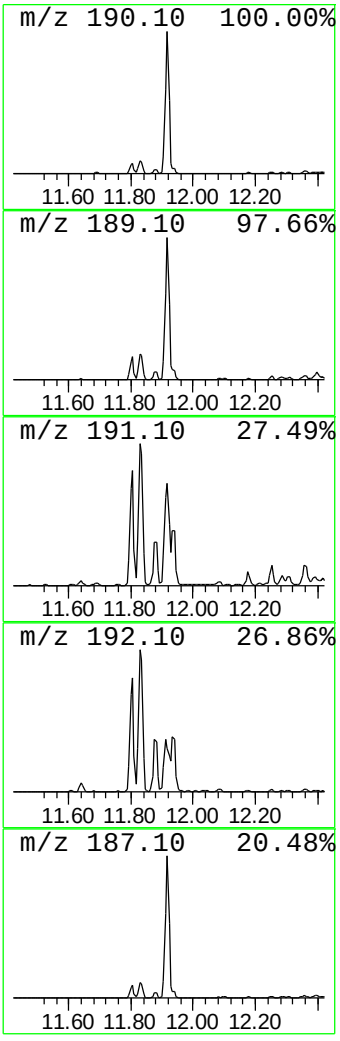
Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	11.36 ng	1559090	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	Methyl diselenide	190	C2H6Se2	007101-31-7	45
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45





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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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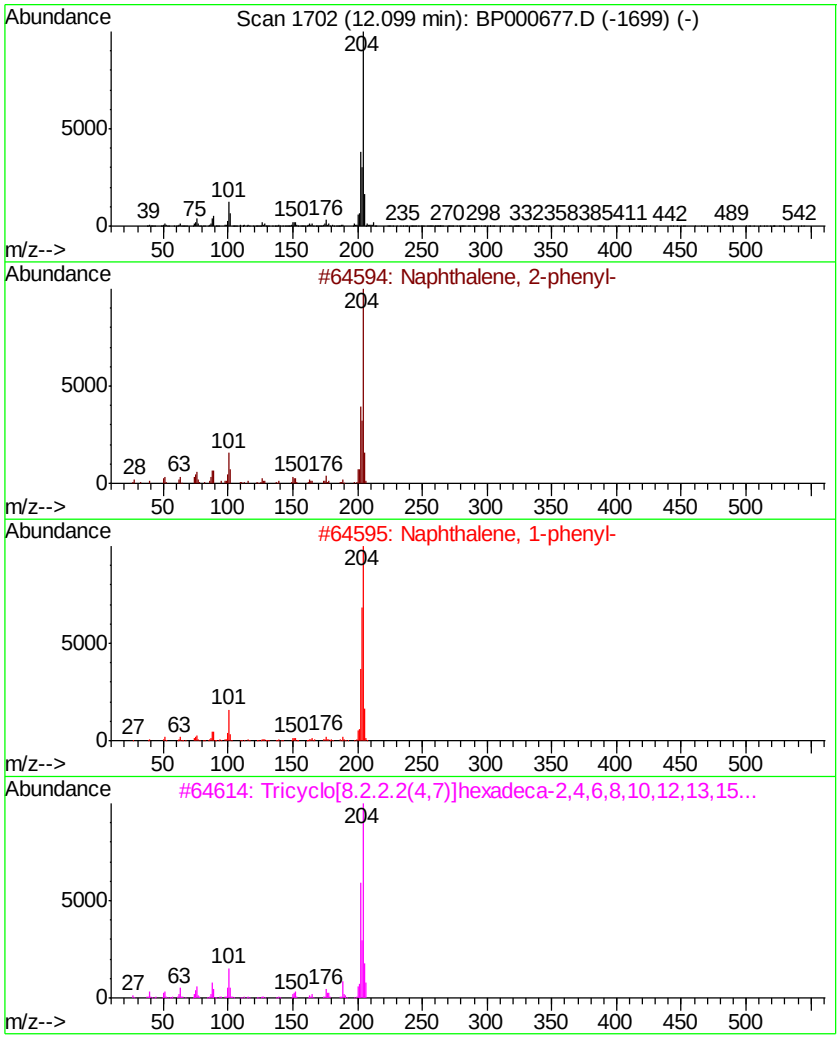
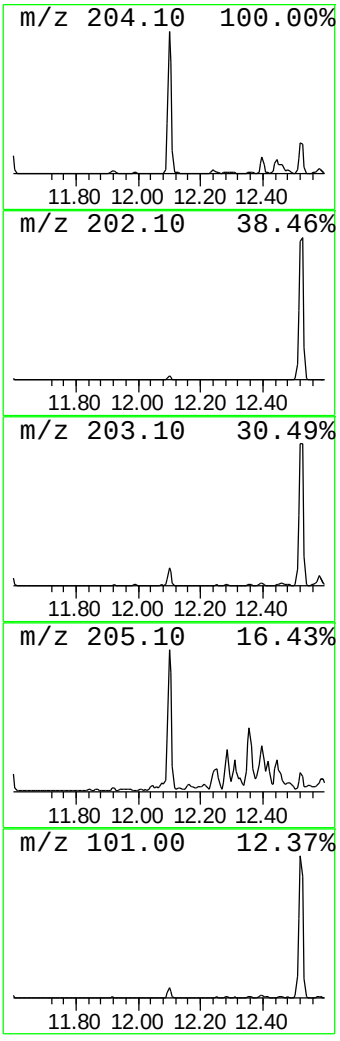
Peak Number 14 Naphthalene, 2-phenyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.10	2.99 ng	410144	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58
4	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47
5	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	46





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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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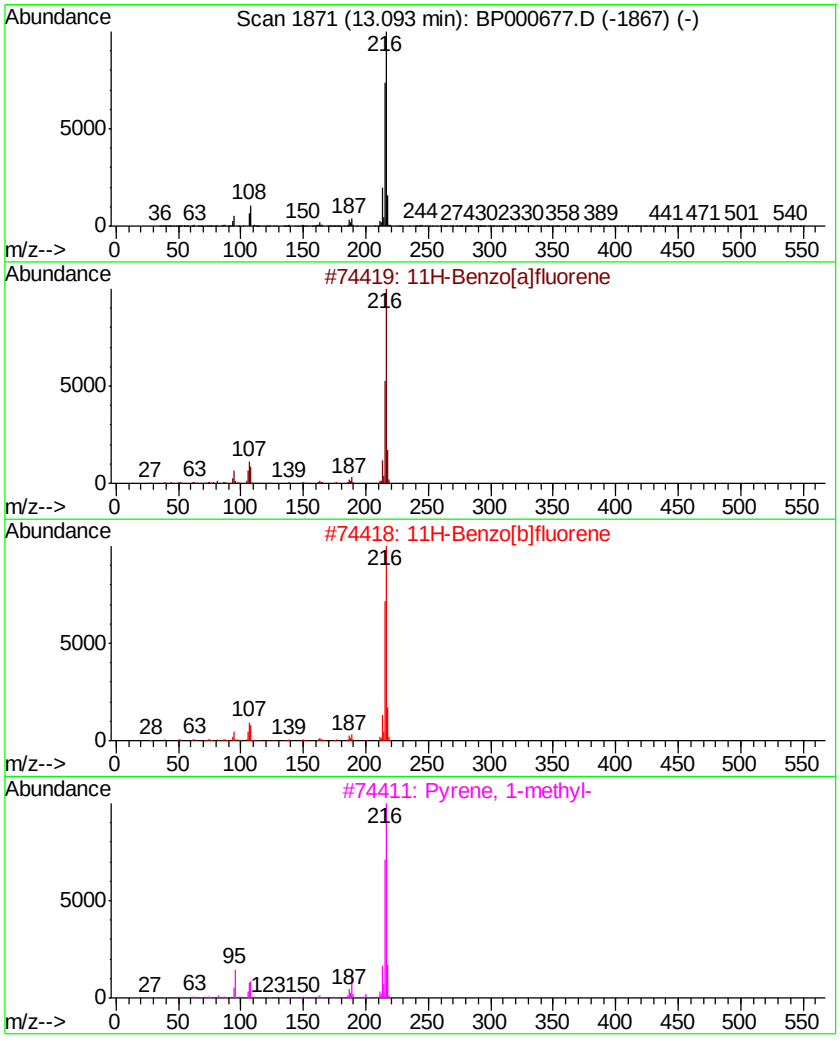
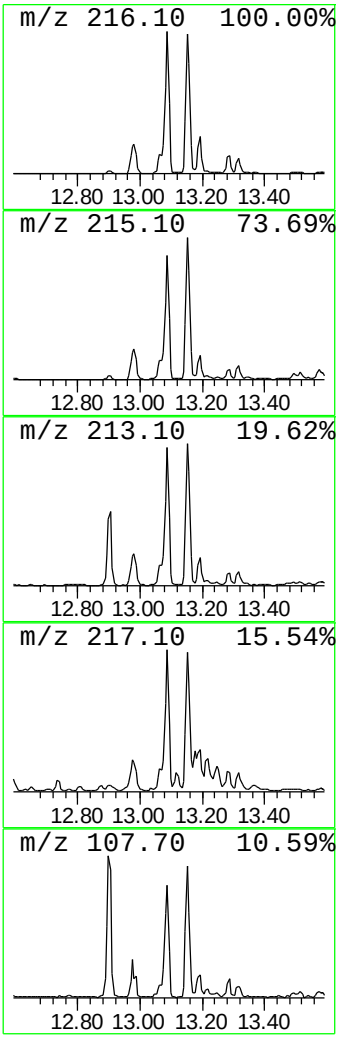
Peak Number 15 11H-Benzo[a]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.09	3.82 ng	756954	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	87





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ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SOIL-PILE

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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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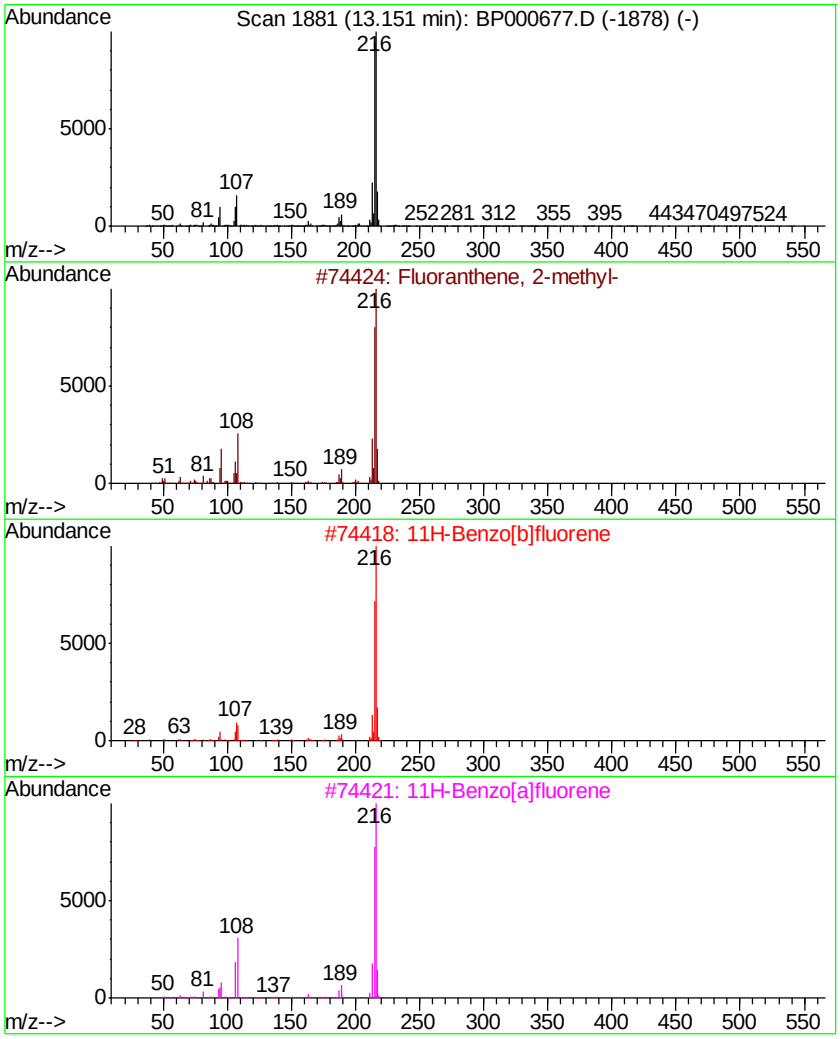
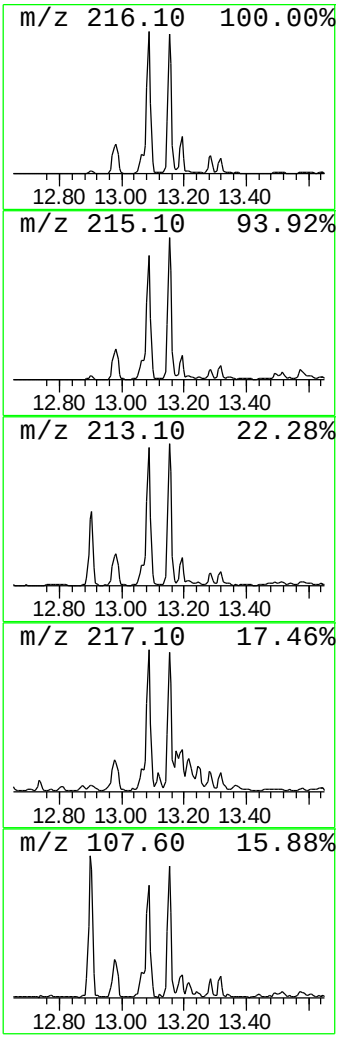
Peak Number 16 Fluoranthene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.15	4.17 ng	827230	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





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ClientSampleId : SOIL-PILE

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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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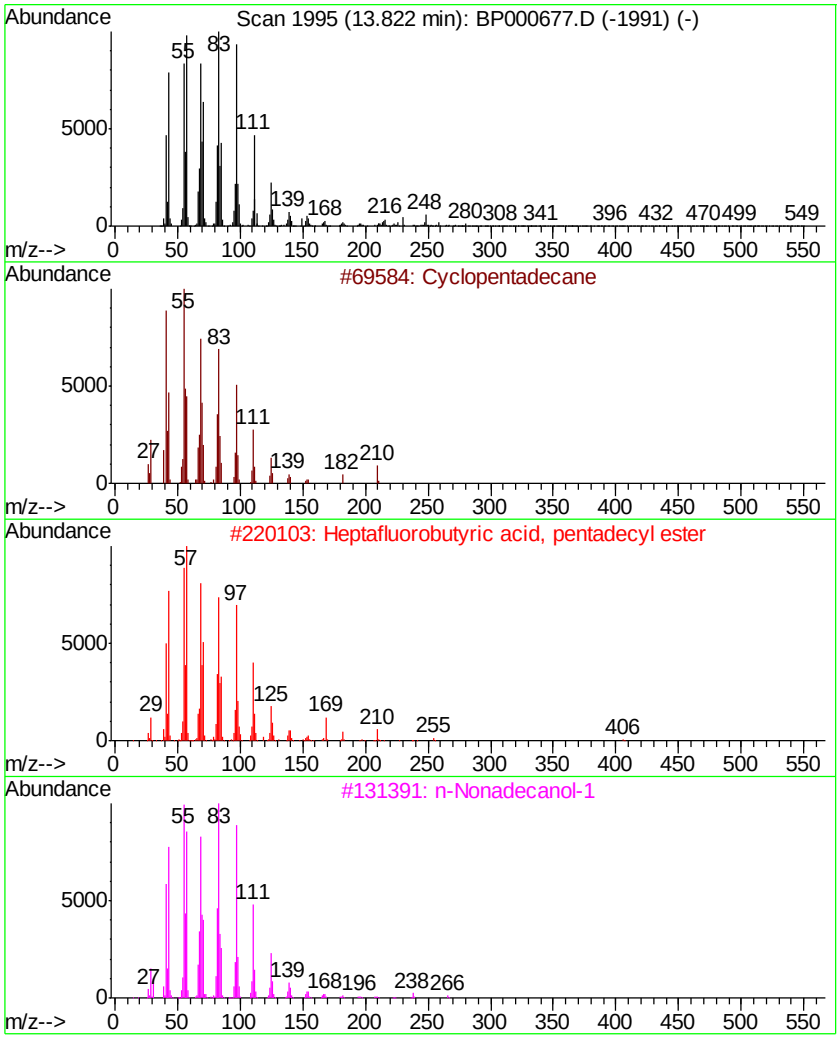
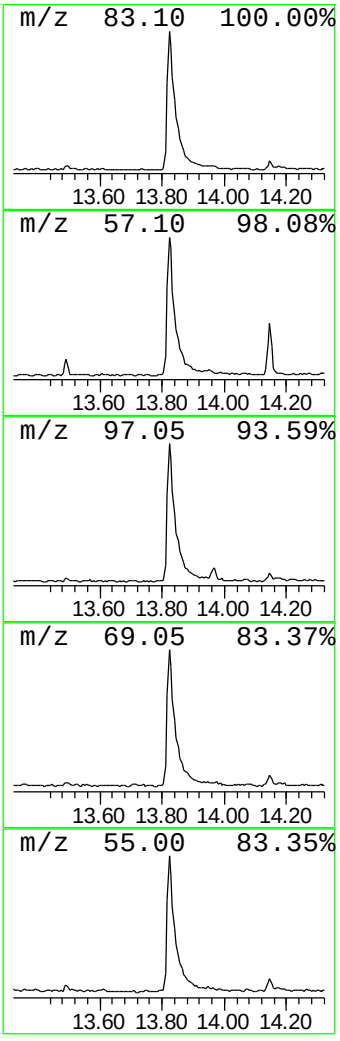
Peak Number 17 Cyclopentadecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.82	3.15 ng	624012	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentadecane	210	C15H30	000295-48-7	94
2	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	94
3	n-Nonadecanol-1	284	C19H40O	001454-84-8	94
4	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	94
5	1-Heneicosanol	312	C21H44O	015594-90-8	94





Tentatively Identified Compound (LSC) summary

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Operator : JU
Sample : K5324-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_P
ClientSampleId : SOIL-PILE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP100119.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
unknown6.52	6.52	59.4	ng	4593310	1	6.75	1547830	20.0
Naphthalene, 1,5-...	9.38	4.6	ng	643787	3	9.80	2803360	20.0
Naphthalene, 2,7-...	9.45	5.0	ng	694501	3	9.80	2803360	20.0
Naphthalene, 2,3-...	9.57	2.4	ng	329833	3	9.80	2803360	20.0
Nordiphenamid	10.43	2.7	ng	378079	3	9.80	2803360	20.0
Dibenzofuran, 4-m...	10.50	3.5	ng	483073	3	9.80	2803360	20.0
9H-Fluorene, 2-me...	10.90	3.3	ng	455823	4	11.29	2744470	20.0
Naphtho[2,1-b]thi...	11.19	4.4	ng	606929	4	11.29	2744470	20.0
Phenanthrene, 2-m...	11.80	4.5	ng	618996	4	11.29	2744470	20.0
Phenanthrene, 1-m...	11.83	5.9	ng	813819	4	11.29	2744470	20.0
1H-Indene, 2-phenyl-	11.88	2.2	ng	303436	4	11.29	2744470	20.0
4H-Cyclopenta[def...	11.92	11.4	ng	1559090	4	11.29	2744470	20.0
Naphthalene, 2-ph...	12.10	3.0	ng	410144	4	11.29	2744470	20.0
11H-Benzo[a]fluorene	13.09	3.8	ng	756954	5	13.97	3967720	20.0
Fluoranthene, 2-m...	13.15	4.2	ng	827230	5	13.97	3967720	20.0
Cyclopentadecane	13.82	3.1	ng	624012	5	13.97	3967720	20.0