LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052219\
Data File : BF114508.D
Acq On : 23 May 2019 2:32
Operator : JU/SJ
Sample : K2978-06 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.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	5.457	570	573	596	rVB	1397655	1666686	23.08%	1.649%
2	5.663	605	608	620	rBV	213786	287384	3.98%	0.284%
3	6.469	742	745	764	rBV	1399554	1863099	25.80%	1.843%
4	6.604	764	768	774	rVV	1968322	1758239	24.35%	1.739%
5	6.828	803	806	814	rBV	1417564	1212875	16.80%	1.200%
6	6.986	829	833	848	rVB	1441947	1374102	19.03%	1.359%
7	7.392	898	902	909	rBV	979805	1059678	14.68%	1.048%
8	7.686	946	952	961	rBV	221289	282875	3.92%	0.280%
9	8.110	1021	1024	1033	rBV	1639855	1671437	23.15%	1.654%
10	8.763	1129	1135	1142	rVB2	103796	197721	2.74%	0.196%
11	9.180	1201	1206	1217	rBV	1928759	1931671	26.75%	1.911%
12	9.592	1271	1276	1281	rVV2	278291	434085	6.01%	0.429%
13	9.727	1295	1299	1305	rVV	1173852	1055827	14.62%	1.045%
14	9.869	1319	1323	1326	rVV	1746974	1686687	23.36%	1.669%
15	10.180	1372	1376	1379	rBV2	142756	167218	2.32%	0.165%
16	10.416	1413	1416	1422	rVB2	174586	256546	3.55%	0.254%
17	10.657	1453	1457	1463	rBV	1107117	1093568	15.15%	1.082%
18	10.780	1472	1478	1483	rVB5	160879	277015	3.84%	0.274%
19	10.963	1504	1509	1512	rBV2	139941	204817	2.84%	0.203%
20	11.086	1527	1530	1532	rVV2	169328	176047	2.44%	0.174%
21	11.116	1532	1535	1539	rVV2	188897	267030	3.70%	0.264%
22	11.163	1540	1543	1547	rVV	211410	251916	3.49%	0.249%
23	11.204	1547	1550	1553	rVV2	207101	262494	3.64%	0.260%
24	11.251	1553	1558	1564	rVB3	119142	175897	2.44%	0.174%
25	11.351	1572	1575	1577	rBV	1745413	1527301	21.15%	1.511%
26	11.374	1577	1579	1583	rVV	1423146	1284356	17.79%	1.271%
27	11.427	1585	1588	1591	rVV	626825	569461	7.89%	0.563%
28	11.604	1611	1618	1621	rBV3	139057	317065	4.39%	0.314%
29	11.639	1621	1624	1627	rVV2	256812	294074	4.07%	0.291%
30	11.857	1657	1661	1663	rBV	445516	434451	6.02%	0.430%
31	11.880	1663	1665	1669	rVB	629811	600790	8.32%	0.594%
32	11.933	1669	1674	1676	rBV	402439	384668	5.33%	0.381%
33	11.968	1676	1680	1682	rVV2	960582	1036366	14.35%	1.025%
34	11.986	1682	1683	1689	rVB	381903	334782	4.64%	0.331%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052219\
Data File : BF114508.D
Acq On : 23 May 2019 2:32
Operator : JU/SJ
Sample : K2978-06 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.145	1707	1710	1714	rVV	361108	326725	4.53%	0.323%
36	12.186	1714	1717	1720	rVB2	218236	189383	2.62%	0.187%
37	12.298	1731	1736	1739	rBV	159838	223960	3.10%	0.222%
38	12.327	1739	1741	1744	rVV	204661	178456	2.47%	0.177%
39	12.404	1750	1754	1757	rVV	654607	653363	9.05%	0.646%
40	12.445	1757	1761	1763	rVV4	413993	577118	7.99%	0.571%
41	12.504	1766	1771	1775	rVV2	798410	862367	11.94%	0.853%
42	12.574	1778	1783	1787	rBV	4818520	5207340	72.12%	5.152%
43	12.663	1795	1798	1802	rBV	781572	713809	9.89%	0.706%
44	12.715	1804	1807	1809	rVV3	203896	208683	2.89%	0.206%
45	12.739	1809	1811	1816	rVB	268484	310164	4.30%	0.307%
46	12.810	1816	1823	1826	rBV2	5765107	7220225	100.00%	7.143%
47	12.851	1827	1830	1834	rVB2	394616	456366	6.32%	0.451%
48	12.933	1838	1844	1846	rBV2	1546975	1607377	22.26%	1.590%
49	12.963	1846	1849	1853	rVB	422170	450355	6.24%	0.446%
50	13.021	1853	1859	1865	rBV2	699023	1284211	17.79%	1.270%
51	13.104	1869	1873	1875	rBV2	680289	957118	13.26%	0.947%
52	13.127	1875	1877	1880	rVB	1091598	937110	12.98%	0.927%
53	13.192	1885	1888	1891	rVV	537186	433252	6.00%	0.429%
54	13.233	1891	1895	1898	rVV2	1077503	1173170	16.25%	1.161%
55	13.292	1902	1905	1907	rBV3	204764	241367	3.34%	0.239%
56	13.327	1907	1911	1913	rVV	766764	647687	8.97%	0.641%
57	13.357	1913	1916	1919	rVV	770922	682126	9.45%	0.675%
58	13.445	1929	1931	1934	rVB	178089	154277	2.14%	0.153%
59	13.504	1938	1941	1943	rBV2	184636	198110	2.74%	0.196%
60	13.615	1957	1960	1962	rVV2	174566	238417	3.30%	0.236%
61	13.645	1962	1965	1968	rVV	899204	909048	12.59%	0.899%
62	13.698	1972	1974	1977	rVV	199858	220430	3.05%	0.218%
63	13.751	1977	1983	1985	rVV	719677	1007291	13.95%	0.997%
64	13.774	1985	1987	1989	rVV	898761	820652	11.37%	0.812%
65	13.804	1989	1992	1998	rVV2	1127026	1513398	20.96%	1.497%
66	13.851	1998	2000	2005	rVB	752489	761921	10.55%	0.754%
67	13.998	2018	2025	2028	rBV2	4583682	6926319	95.93%	6.852%
68	14.033	2028	2031	2033	rVV	3622961	3583102	49.63%	3.545%
69	14.051	2033	2034	2038	rVV2	316138	316155	4.38%	0.313%
70	14.109	2041	2044	2046	rVV	572937	507145	7.02%	0.502%
71	14.151	2048	2051	2057	rVV2	1014853	1366120	18.92%	1.352%

LSC Area Percent Report

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Acq On : 23 May 2019 2:32
Operator : JU/SJ
Sample : K2978-06 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-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

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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.227	2060	2064	2067	rVB3	296349	410616	5.69%	0.406%
73	14.321	2077	2080	2082	rVB	191717	155847	2.16%	0.154%
74	14.351	2082	2085	2087	rBV2	393302	394601	5.47%	0.390%
75	14.386	2087	2091	2094	rVV	1080714	1119051	15.50%	1.107%
76	14.421	2094	2097	2099	rVB	466381	343462	4.76%	0.340%
77	14.462	2101	2104	2106	rVB2	398174	319887	4.43%	0.316%
78	14.486	2106	2108	2110	rVB	336254	242253	3.36%	0.240%
79	14.515	2110	2113	2114	rBV	656620	625212	8.66%	0.619%
80	14.580	2121	2124	2127	rVB2	436402	428166	5.93%	0.424%
81	14.709	2143	2146	2149	rBV2	318496	463775	6.42%	0.459%
82	14.851	2167	2170	2173	rBV3	157982	202208	2.80%	0.200%
83	14.886	2173	2176	2179	rVV	573373	564563	7.82%	0.559%
84	15.056	2198	2205	2207	rBV2	3298159	5579251	77.27%	5.520%
85	15.156	2218	2222	2226	rBV	967361	1106916	15.33%	1.095%
86	15.239	2233	2236	2237	rBV2	161191	180854	2.50%	0.179%
87	15.351	2250	2255	2261	rVB	2317073	3269881	45.29%	3.235%
88	15.421	2261	2267	2273	rBV2	2953740	4573360	63.34%	4.524%
89	15.474	2273	2276	2279	rVV	850513	1038814	14.39%	1.028%
90	15.504	2279	2281	2288	rVB2	880423	1206289	16.71%	1.193%
91	15.645	2302	2305	2308	rBV2	158466	206374	2.86%	0.204%
92	16.039	2368	2372	2376	rVB	247112	336094	4.65%	0.333%
93	16.745	2488	2492	2496	rVV2	158530	241117	3.34%	0.239%
94	16.786	2496	2499	2504	rVV	178351	294451	4.08%	0.291%
95	16.839	2504	2508	2515	rVB3	160930	313837	4.35%	0.310%
96	16.956	2521	2528	2534	rBV2	1339004	2724279	37.73%	2.695%
97	17.115	2550	2555	2561	rBV	260528	533516	7.39%	0.528%
98	17.174	2561	2565	2575	rVV3	196302	466995	6.47%	0.462%
99	17.409	2597	2605	2614	rVB2	1163143	2716838	37.63%	2.688%
100	17.650	2641	2646	2658	rVB	258074	559189	7.74%	0.553%

Sum of corrected areas: 101080041

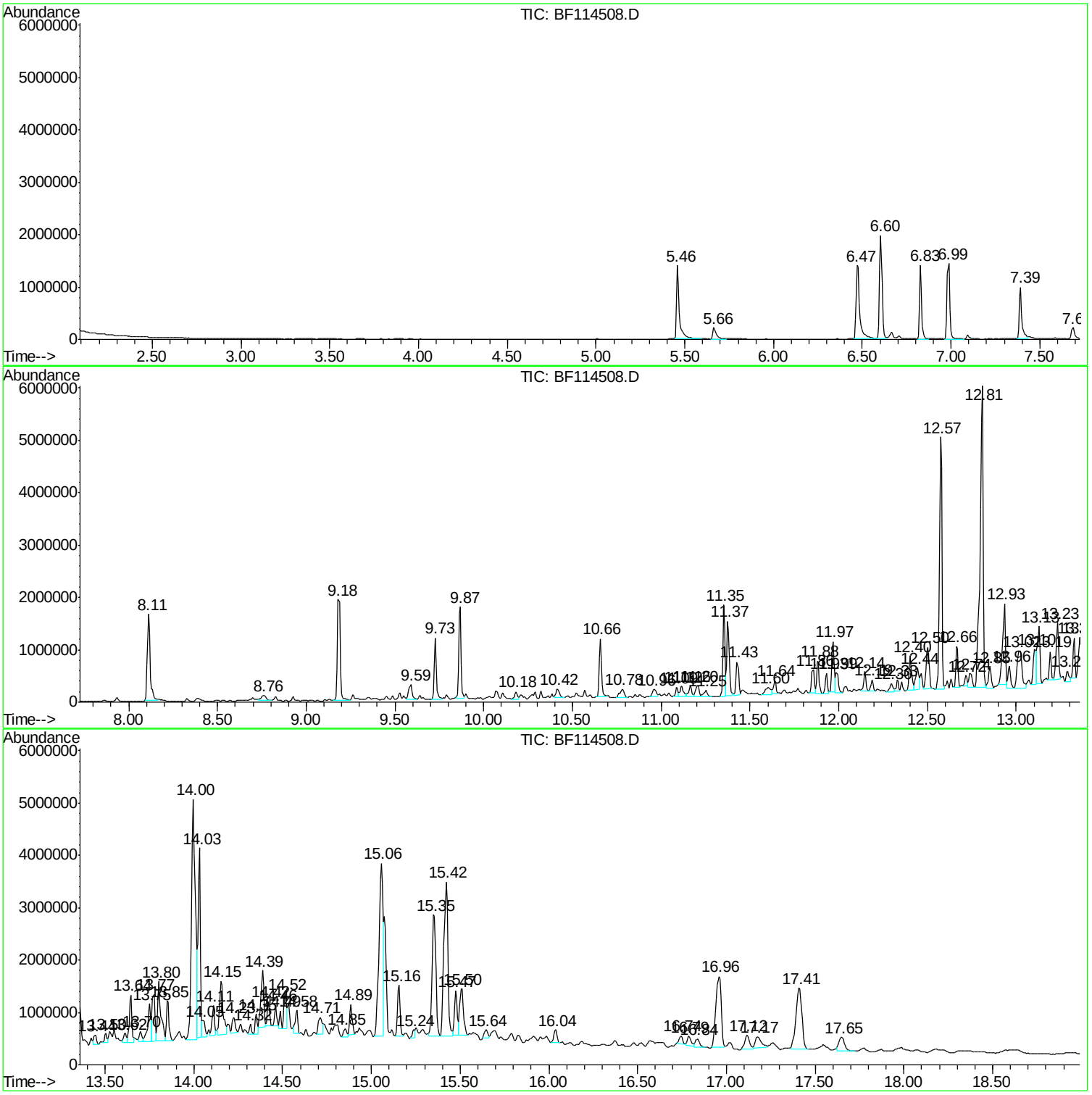
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052219\
Data File : BF114508.D
Acq On : 23 May 2019 2:32
Operator : JU/SJ
Sample : K2978-06 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052219\
Data File : BF114508.D
Acq On : 23 May 2019 2:32
Operator : JU/SJ
Sample : K2978-06 2X
Misc :
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Instrument : BNA_F
ClientSampleId : TP-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

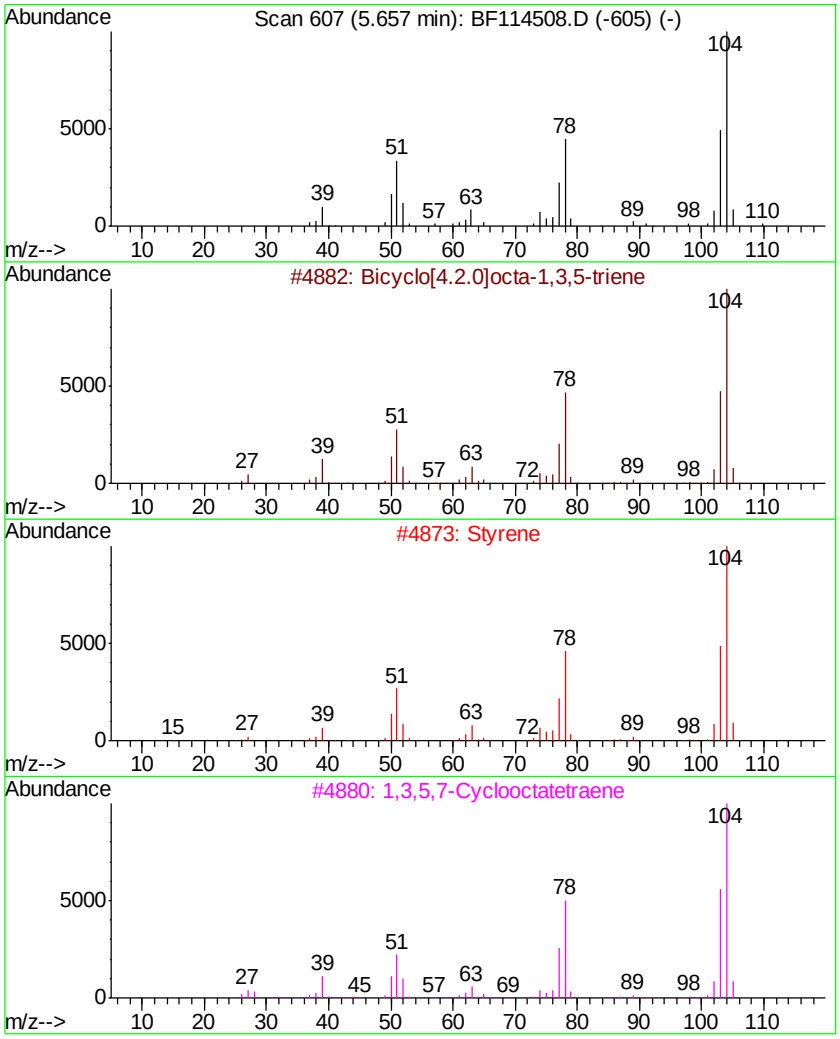
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

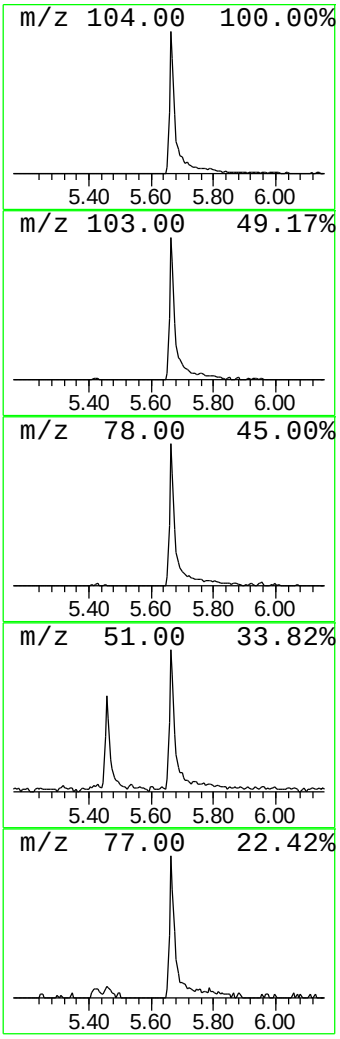
****

Peak Number 1 Bicyclo[4.2.0]octa-1,3,5-tr... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.66	4.74 ng	287384	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[4.2.0]octa-1,3,5-triene	104	C8H8	000694-87-1	96
2	Styrene	104	C8H8	000100-42-5	96
3	1,3,5,7-Cyclooctatetraene	104	C8H8	000629-20-9	96
4	Benzene, 1,1'-(1,2-cyclobutanedi...	208	C16H16	007694-30-6	72
5	Butanedioic acid, phenyl-	194	C10H10O4	000635-51-8	64





Library Search Compound Report

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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

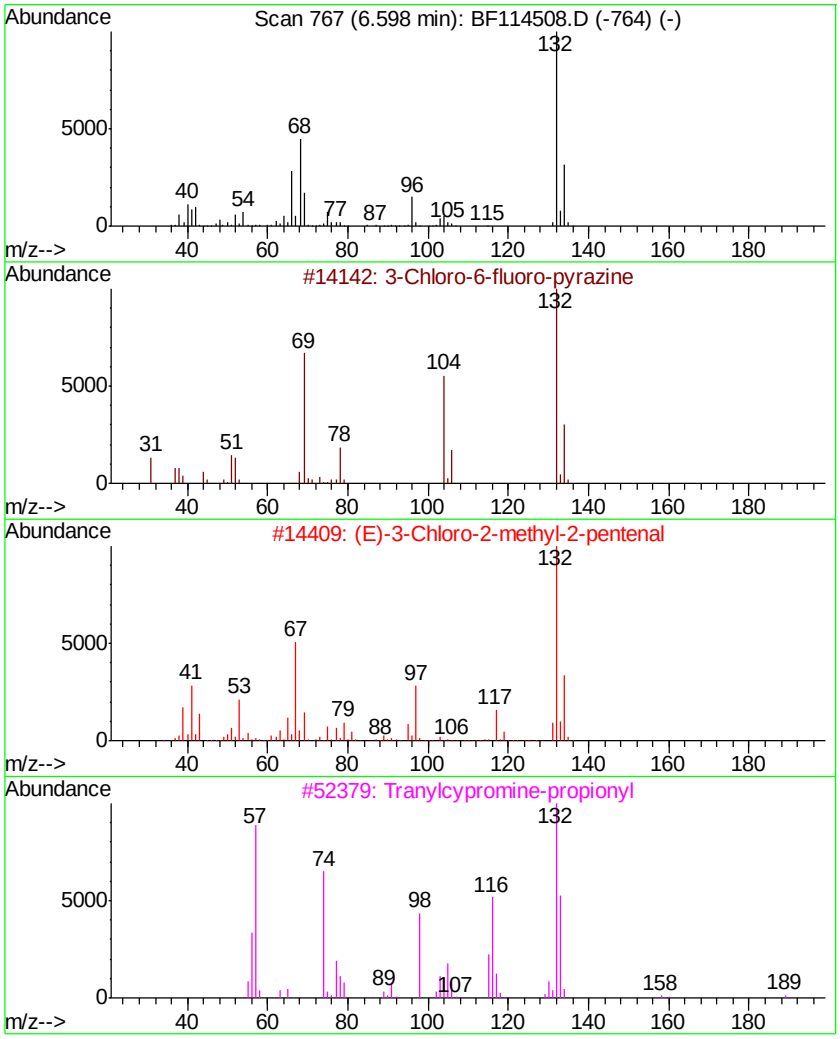
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

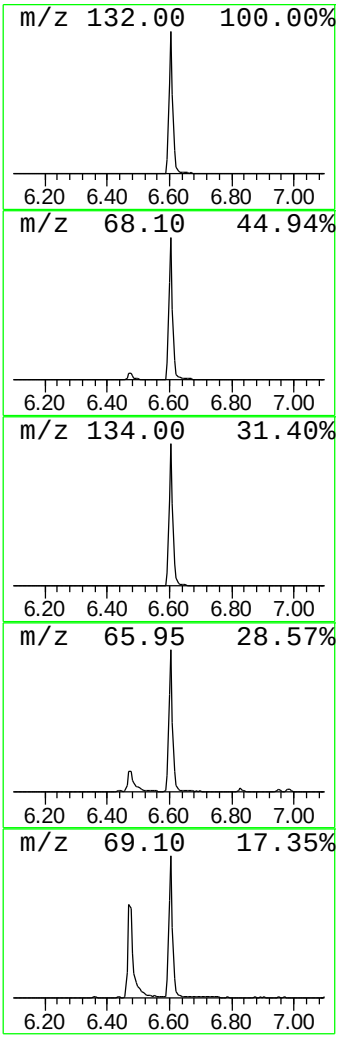
****

Peak Number 2 unknown6.60 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.60	28.99 ng	1758240	1,4-Dichlorobenzene-d4	6.83

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	16
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	Amphetaminil	250	C17H18N2	017590-01-1	12
5	5-Aminoindole	132	C8H8N2	005192-03-0	12





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Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

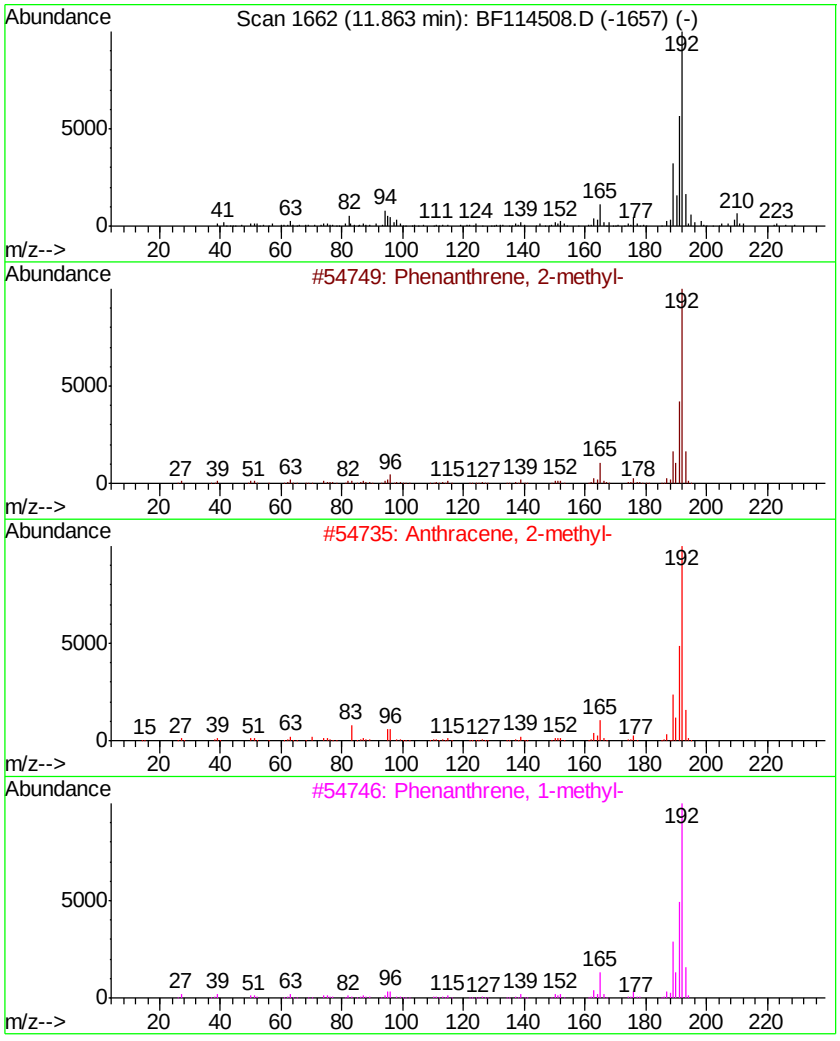
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

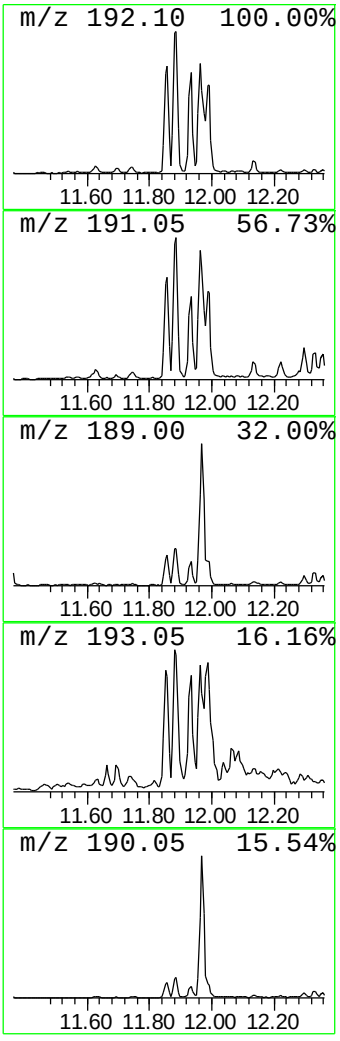
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	5.69 ng	434451	Phenanthrene-d10	11.35

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	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052219\
Data File : BF114508.D
Acq On : 23 May 2019 2:32
Operator : JU/SJ
Sample : K2978-06 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

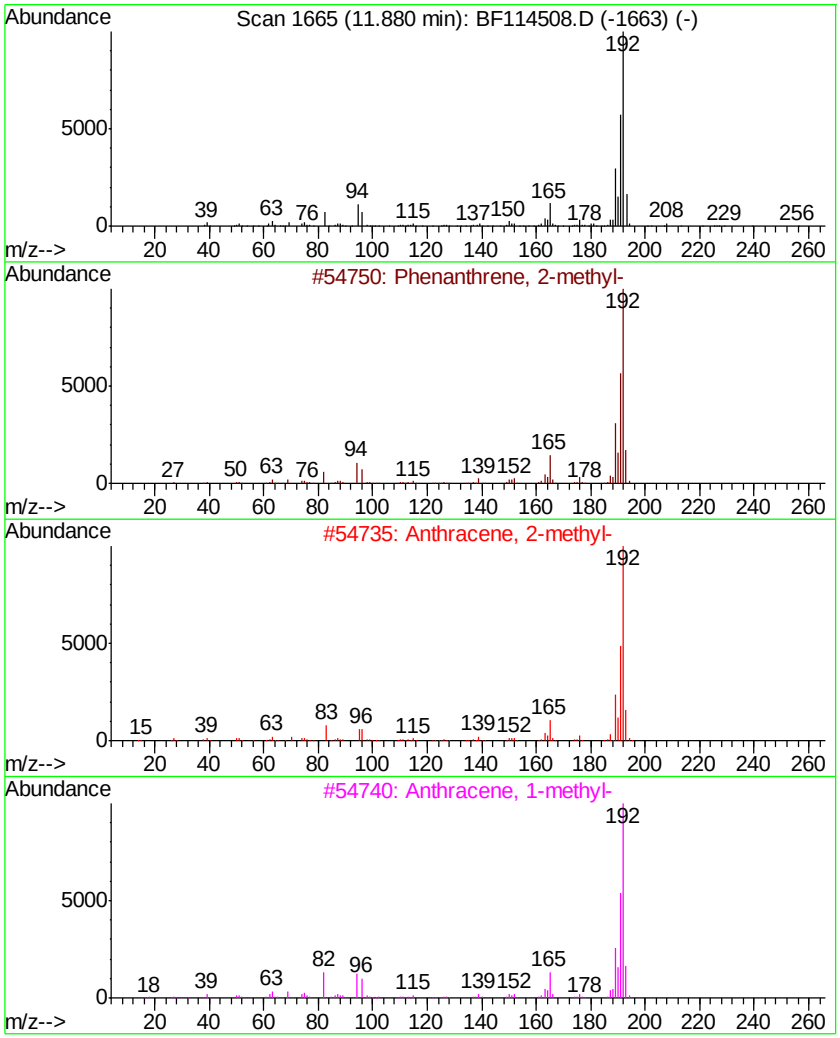
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

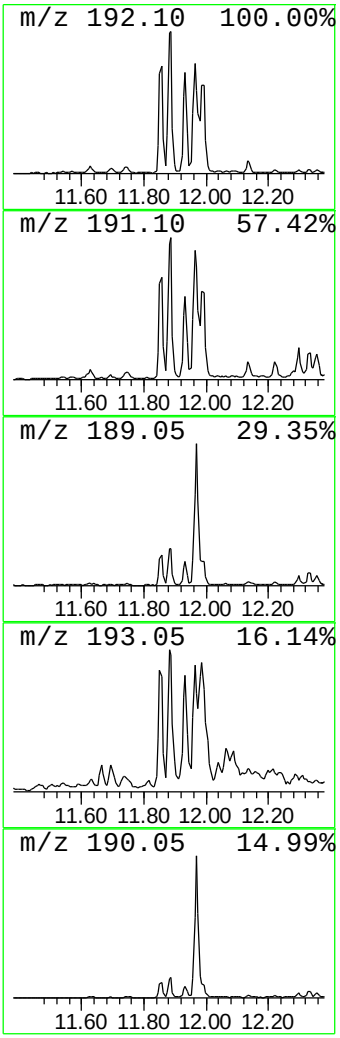
****

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	7.87 ng	600790	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	92
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Data File : BF114508.D
Acq On : 23 May 2019 2:32
Operator : JU/SJ
Sample : K2978-06 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

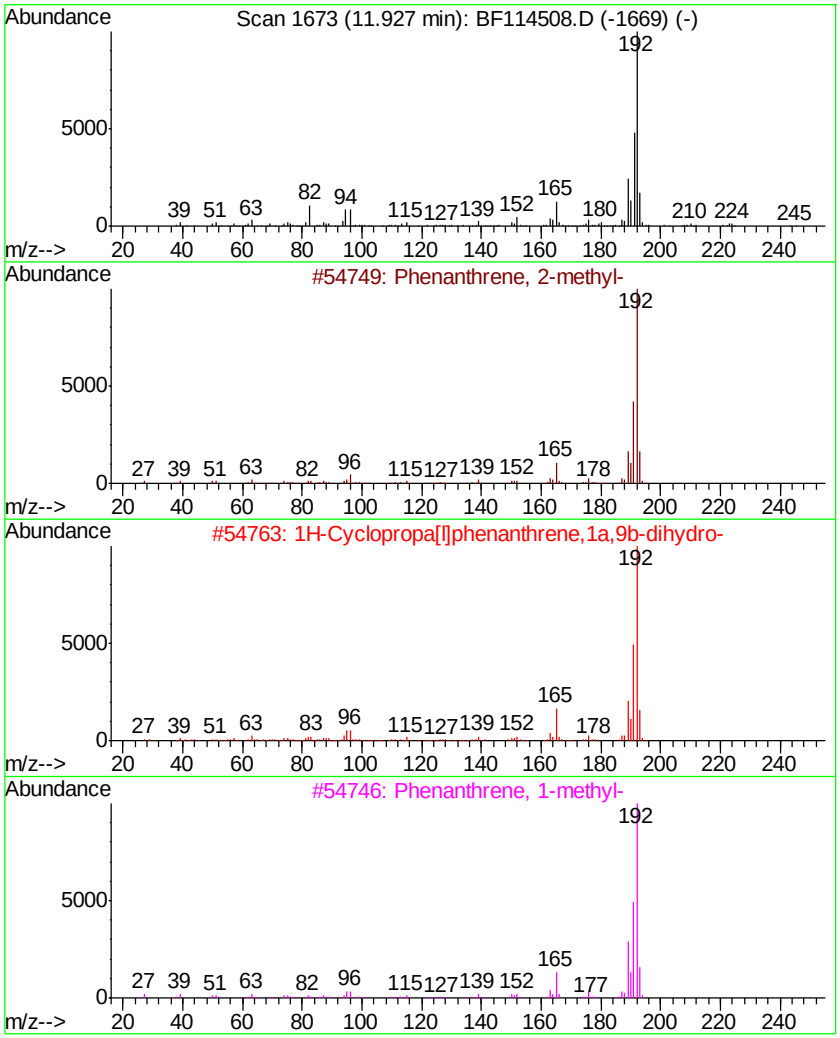
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

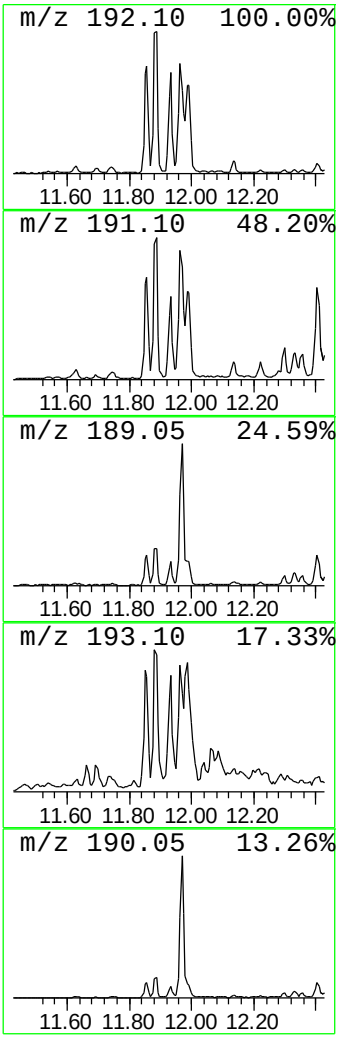
****

Peak Number 6 1H-Cyclopropa[l]phenanthren... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	5.04 ng	384668	Phenanthrene-d10	11.35

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	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95





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Data File : BF114508.D
Acq On : 23 May 2019 2:32
Operator : JU/SJ
Sample : K2978-06 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-SOIL

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

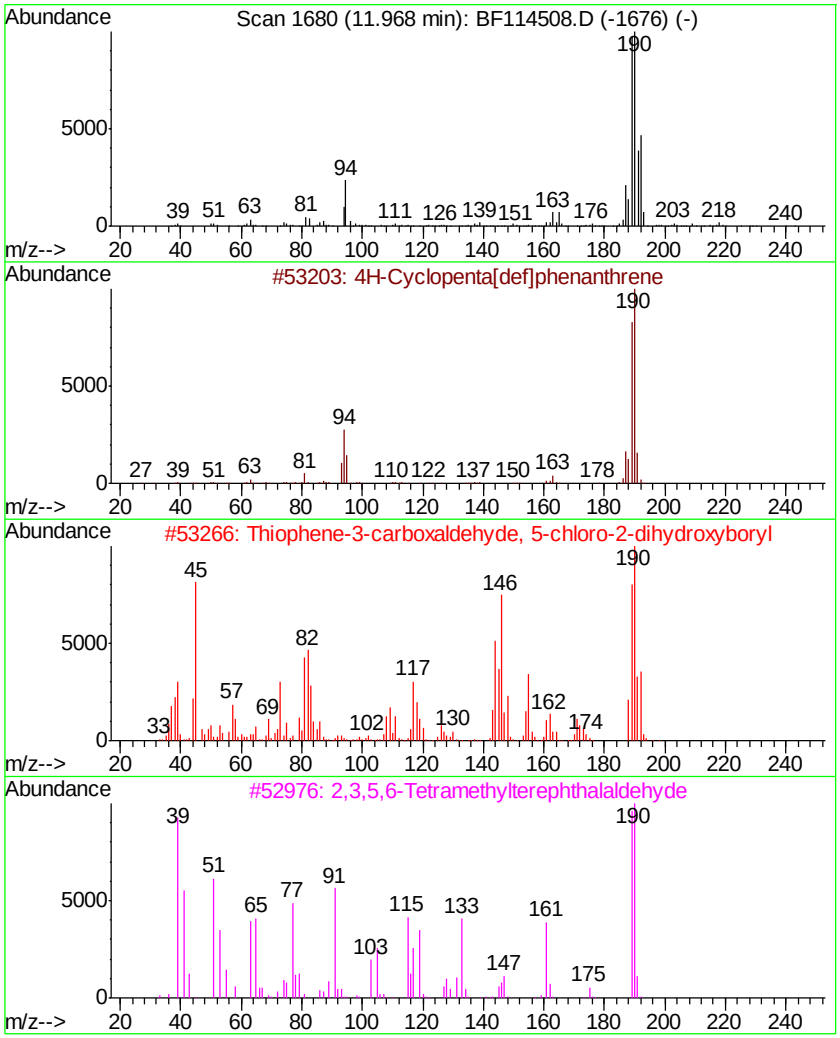
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

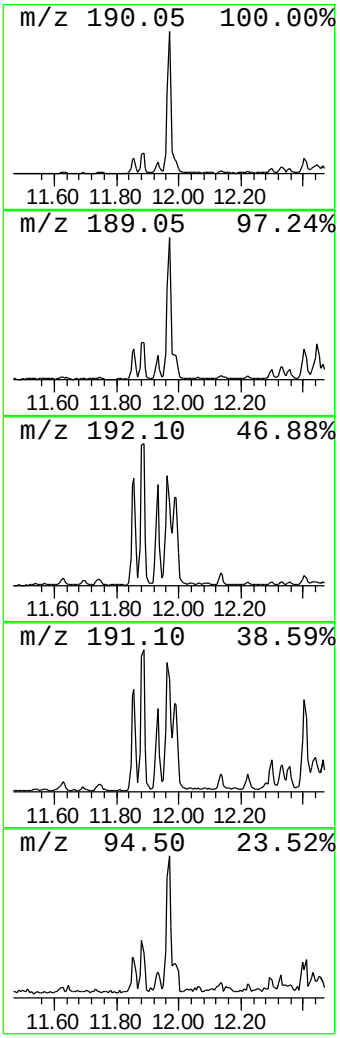
****

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	13.57 ng	1036370	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	42
5	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	40





Library Search Compound Report

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Misc :
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Instrument : BNA_F
ClientSampleId : TP-SOIL

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

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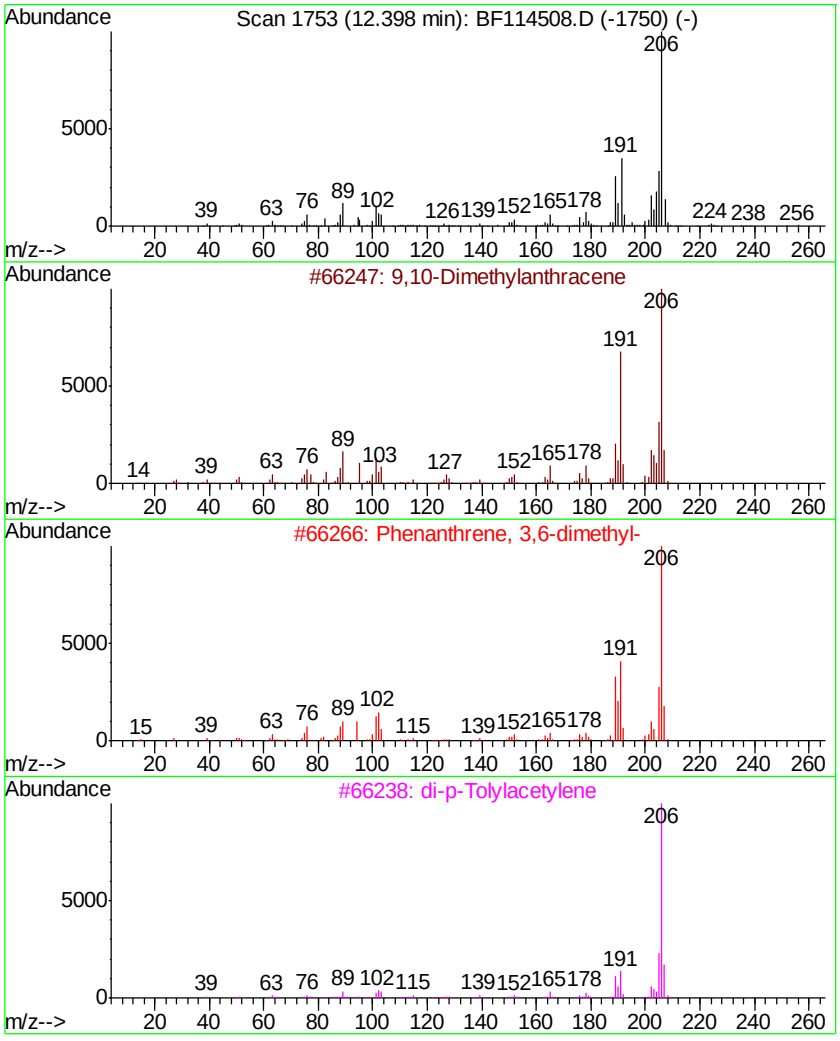
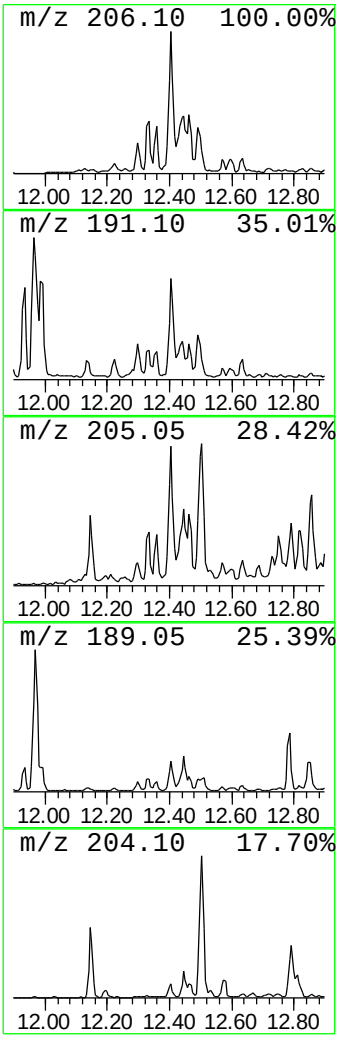
Peak Number 8 9,10-Dimethylanthracene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	8.56 ng	653363	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	97
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	87





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Misc :
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Instrument : BNA_F
ClientSampleId : TP-SOIL

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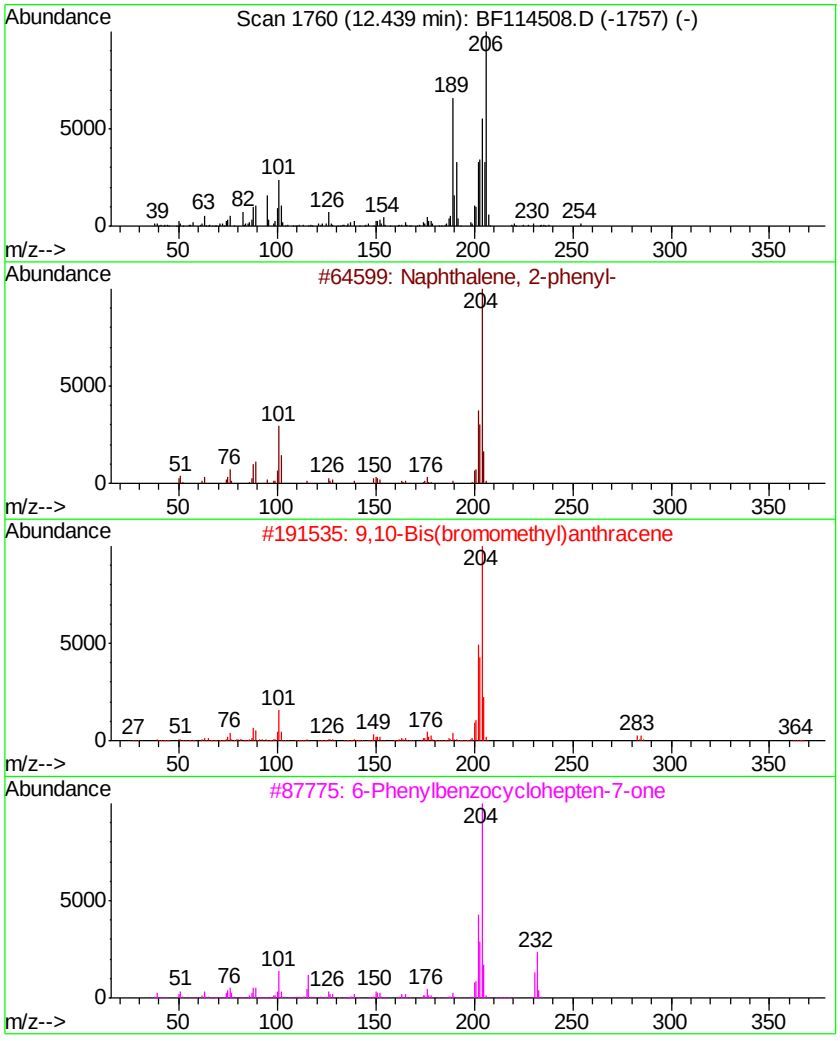
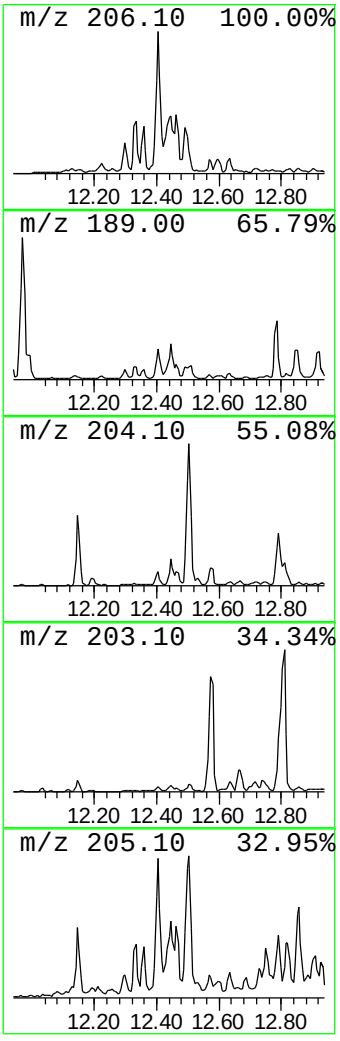
Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.44	7.56 ng	577118	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	51
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	38
3	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	35
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	30
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	25





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

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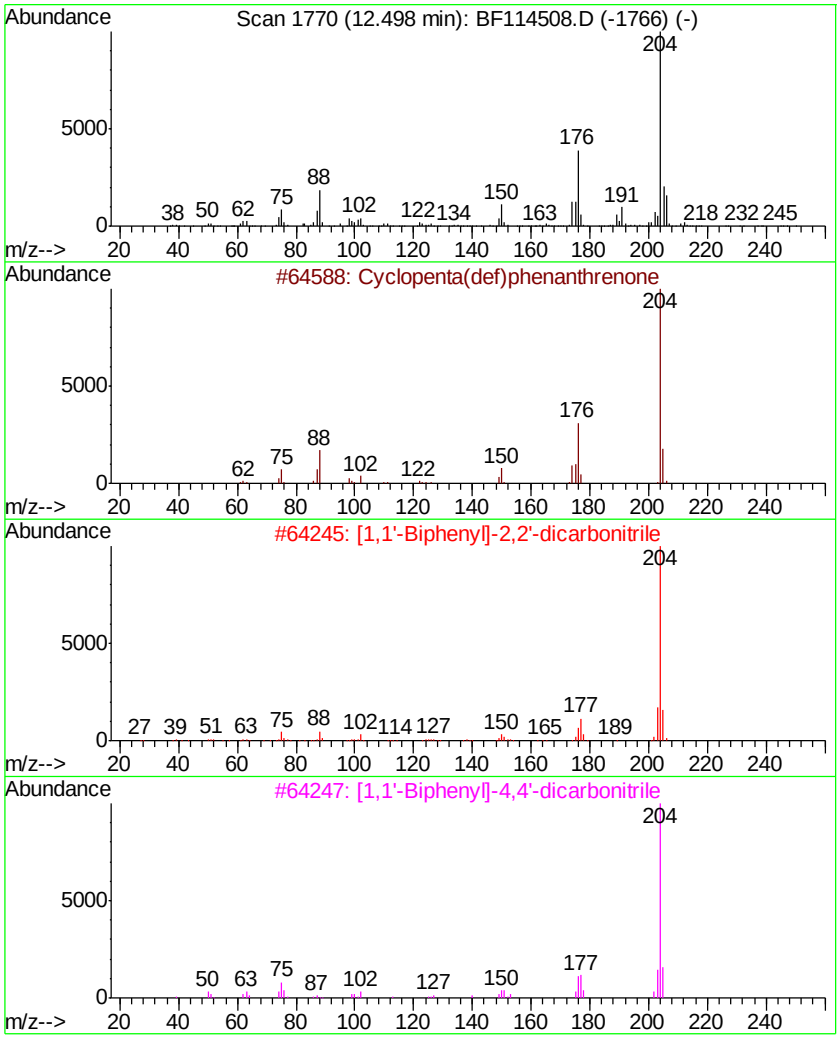
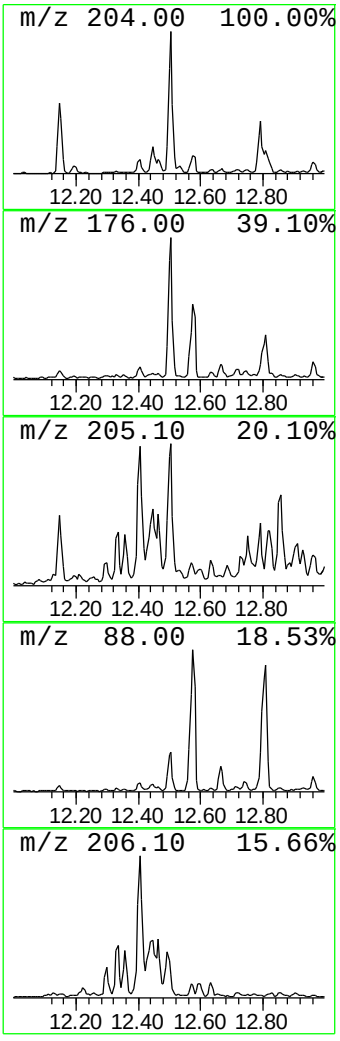
Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	11.29 ng	862367	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	64
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	59
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	53
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50





Library Search Compound Report

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Operator : JU/SJ
Sample : K2978-06 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-SOIL

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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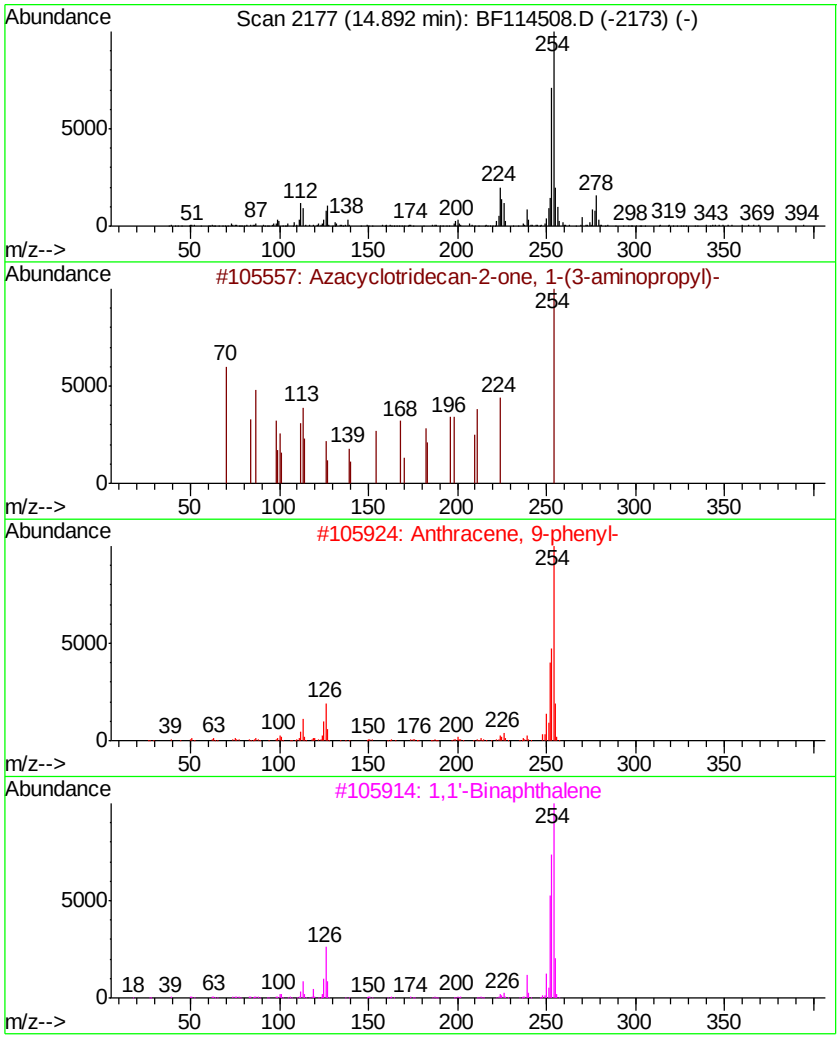
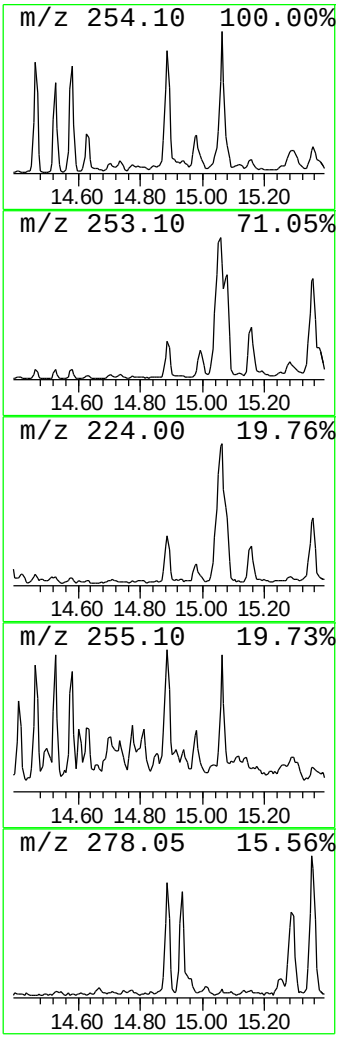
Peak Number 12 Azacyclotridecan-2-one, 1-(... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.89	10.87 ng	564563	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Azacyclotridecan-2-one, 1-(3-ami...	254	C15H30N2O	064414-61-5	86
2	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	58
3	1,1'-Binaphthalene	254	C20H14	000604-53-5	58
4	Benzo(a)pyrene, 7,8-dihydro-	254	C20H14	017573-23-8	58
5	1,2'-Binaphthalene	254	C20H14	004325-74-0	58





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Misc :
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TIC Library : C:\DATABASE\NIST11.L
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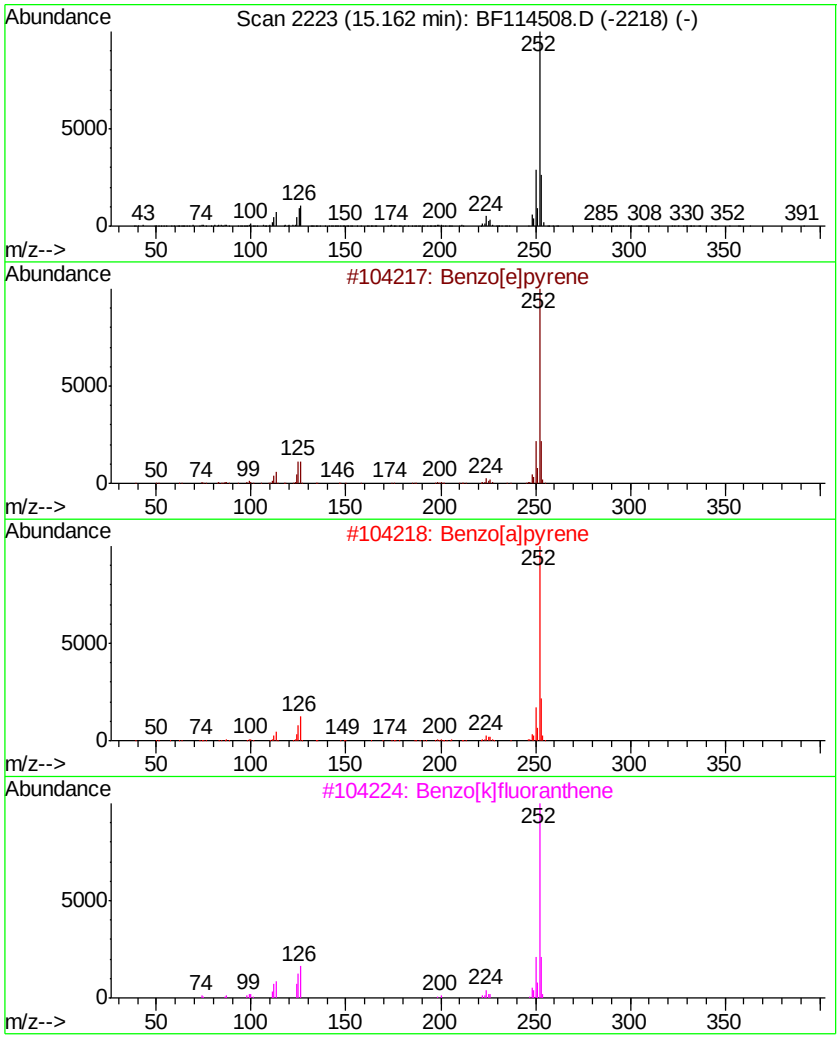
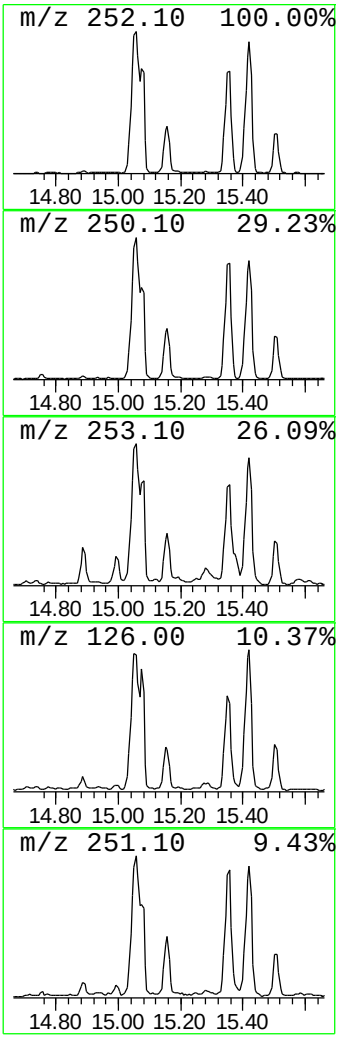
Peak Number 13 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.16	21.31 ng	1106920	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	98
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





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Sample : K2978-06 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-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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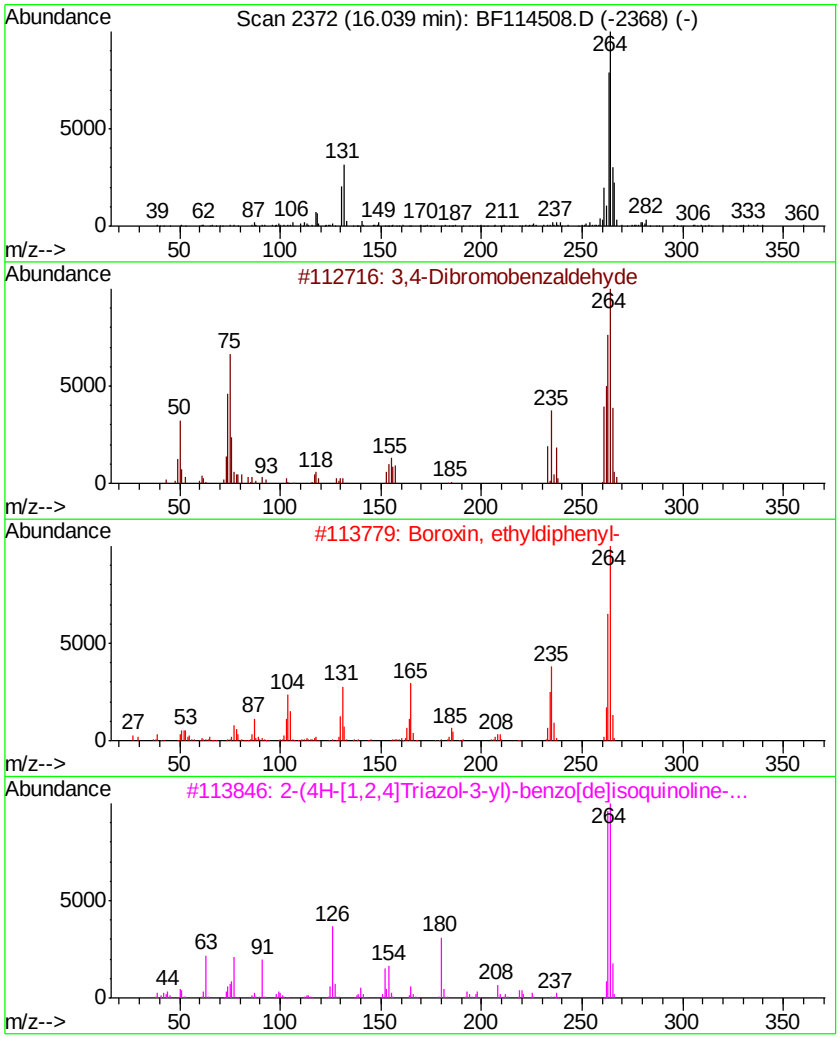
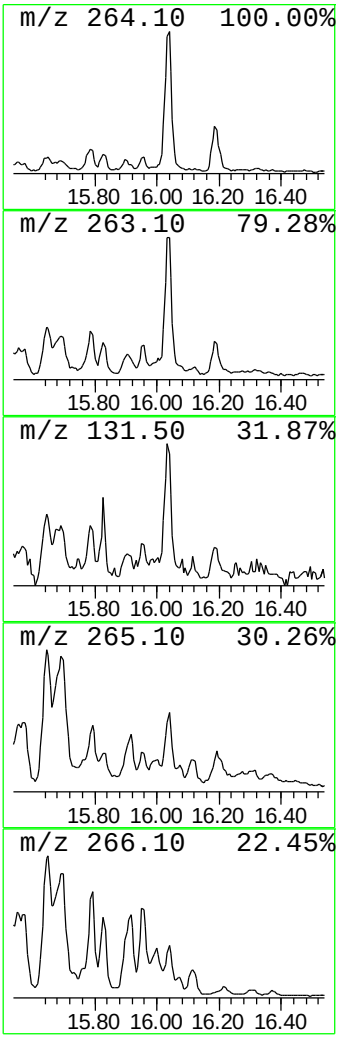
Peak Number 15 3,4-Dibromobenzaldehyde Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.04	6.47 ng	336094	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dibromobenzaldehyde	262	C7H4Br2O	074003-55-7	58
2	Boroxin, ethyldiphenyl-	264	C14H15B3O3	1000151-82-0	53
3	2-(4H-[1,2,4]Triazol-3-yl)-benzo...	264	C14H8N4O2	1000318-09-6	50
4	2-Ethoxy-6-methyl-4-phenyl-quina...	264	C17H16N2O	1000318-42-5	47
5	1H-Pyrazole-4-carbonitrile, 3-(4...	263	C12H10ClN3S	068364-67-0	38





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TIC Library : C:\DATABASE\NIST11.L
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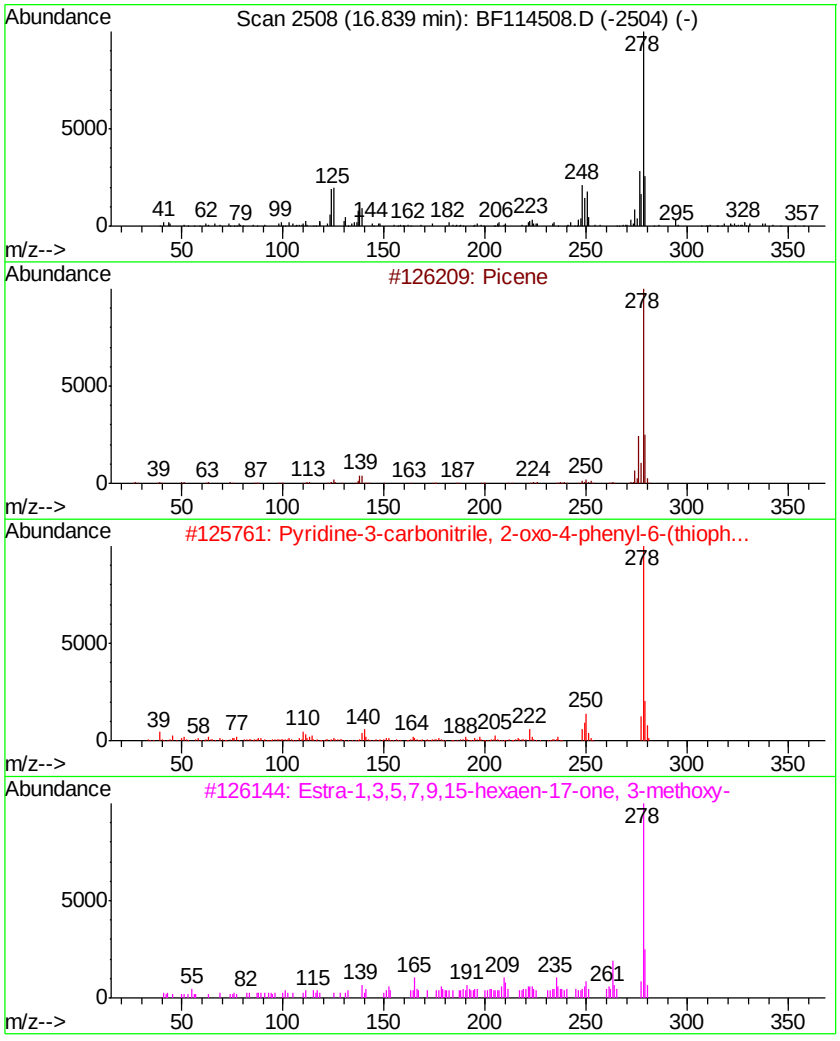
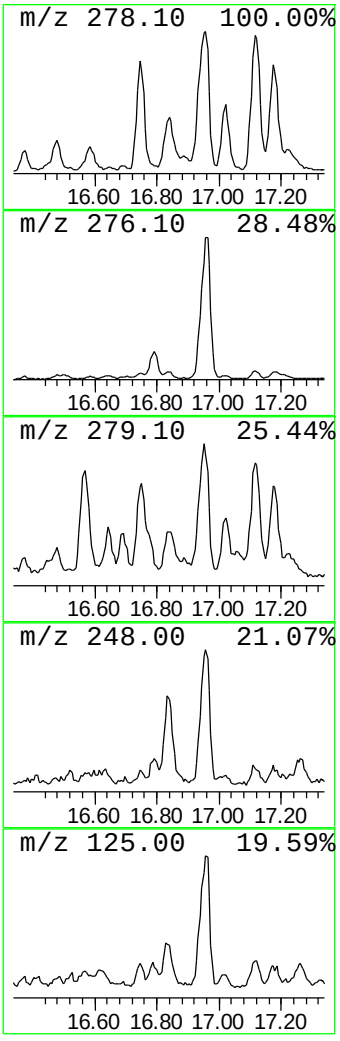
Peak Number 17 Picene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.84	6.04 ng	313837	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Picene	278	C22H14	000213-46-7	58
2	Pyridine-3-carbonitrile, 2-oxo-4...	278	C16H10N2OS	1000304-72-3	52
3	Estra-1,3,5,7,9,15-hexaen-17-one...	278	C19H18O2	056588-53-5	50
4	Naphtho[1,2-a]anthracene	278	C22H14	000195-06-2	50
5	Benzo[b]triphenylene	278	C22H14	000215-58-7	49





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TIC Integration Parameters: LSCINT.P

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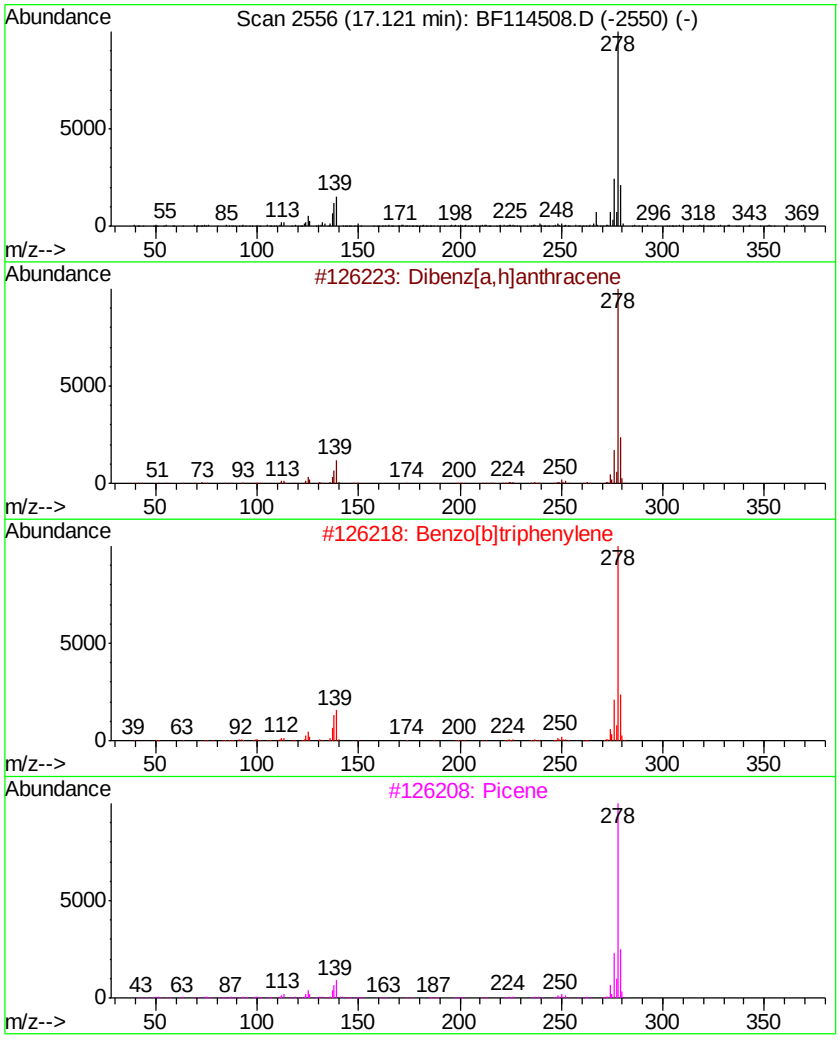
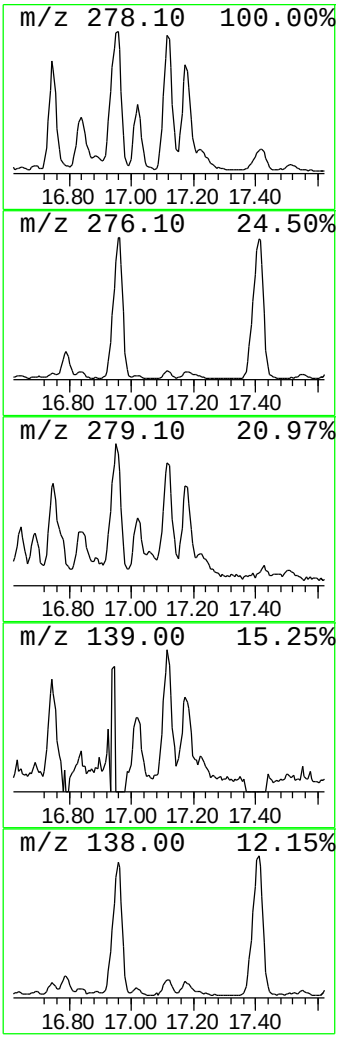
Peak Number 18 Dibenz[a,h]anthracene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.12	10.27 ng	533516	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	94
2	Benzo[b]triphenylene	278	C22H14	000215-58-7	94
3	Picene	278	C22H14	000213-46-7	93
4	Pentacene	278	C22H14	000135-48-8	93
5	Benzo[b]chrysene	278	C22H14	000214-17-5	89





Tentatively Identified Compound (LSC) summary

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Bicyclo[4.2.0]oct...	5.66	4.7	ng	287384	1	6.83	1212880	20.0
unknown6.60	6.60	29.0	ng	1758240	1	6.83	1212880	20.0
Phenanthrene, 2-m...	11.86	5.7	ng	434451	4	11.35	1527300	20.0
Anthracene, 2-met...	11.88	7.9	ng	600790	4	11.35	1527300	20.0
1H-Cyclopropa[l]p...	11.93	5.0	ng	384668	4	11.35	1527300	20.0
4H-Cyclopenta[def...	11.97	13.6	ng	1036370	4	11.35	1527300	20.0
9,10-Dimethylanth...	12.40	8.6	ng	653363	4	11.35	1527300	20.0
Naphthalene, 2-ph...	12.44	7.6	ng	577118	4	11.35	1527300	20.0
Cyclopenta(def)ph...	12.50	11.3	ng	862367	4	11.35	1527300	20.0
Azacyclotridecan-...	14.89	10.9	ng	564563	6	15.47	1038810	20.0
Benzo[e]pyrene	15.16	21.3	ng	1106920	6	15.47	1038810	20.0
3,4-Dibromobenzal...	16.04	6.5	ng	336094	6	15.47	1038810	20.0
Picene	16.84	6.0	ng	313837	6	15.47	1038810	20.0
Dibenz[a,h]anthra...	17.12	10.3	ng	533516	6	15.47	1038810	20.0