LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103018\
Data File : BF110313.D
Acq On : 30 Oct 2018 19:51
Operator : JU/SJ
Sample : J5724-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-UNDER-BUCKET

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-BF102318.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	2.316	33	39	53	rVB	360484	506085	20.85%	1.518%
2	5.210	527	531	540	rBV	91137	118082	4.86%	0.354%
3	5.592	591	596	599	rBV	2088241	2097589	86.40%	6.294%
4	6.592	761	766	780	rVB2	2136347	2427702	100.00%	7.284%
5	6.739	786	791	794	rBV	2481777	2308049	95.07%	6.925%
6	6.787	797	799	802	rVB	32441	27020	1.11%	0.081%
7	6.969	826	830	833	rBV	789398	658268	27.11%	1.975%
8	7.122	852	856	860	rBV	1876461	1712605	70.54%	5.139%
9	7.534	921	926	936	rBV	1516220	1468962	60.51%	4.408%
10	8.251	1044	1048	1051	rBV	904740	840534	34.62%	2.522%
11	9.328	1226	1231	1234	rBV	2645633	2374691	97.82%	7.125%
12	9.422	1243	1247	1259	rVB	788145	730068	30.07%	2.191%
13	9.716	1294	1297	1303	rVB	219150	188493	7.76%	0.566%
14	10.010	1343	1347	1350	rBV2	1024411	899533	37.05%	2.699%
15	10.039	1350	1352	1358	rVB	183729	172573	7.11%	0.518%
16	10.216	1379	1382	1386	rBV	69455	63556	2.62%	0.191%
17	10.563	1437	1441	1444	rBV	136076	129639	5.34%	0.389%
18	10.616	1448	1450	1453	rVV	63853	62783	2.59%	0.188%
19	10.669	1457	1459	1462	rVV	53911	42167	1.74%	0.127%
20	10.804	1476	1482	1488	rBV	1414871	1364417	56.20%	4.094%
21	10.969	1507	1510	1512	rBV	51547	37572	1.55%	0.113%
22	11.051	1521	1524	1526	rBV	57819	40274	1.66%	0.121%
23	11.074	1526	1528	1531	rBV	49953	37970	1.56%	0.114%
24	11.139	1536	1539	1542	rVB	54870	44004	1.81%	0.132%
25	11.251	1556	1558	1565	rVB2	52356	47361	1.95%	0.142%
26	11.345	1571	1574	1581	rBV5	25324	45816	1.89%	0.137%
27	11.398	1581	1583	1586	rVB	50948	42265	1.74%	0.127%
28	11.433	1586	1589	1595	rBV	40052	36544	1.51%	0.110%
29	11.504	1597	1601	1603	rBV	923115	805086	33.16%	2.416%
30	11.527	1603	1605	1609	rVV	1055719	905371	37.29%	2.717%
31	11.580	1609	1614	1618	rVV	306365	258452	10.65%	0.775%
32	11.733	1636	1640	1644	rBV2	95339	94102	3.88%	0.282%
33	11.798	1648	1651	1655	rBV4	29965	31184	1.28%	0.094%
34	11.910	1666	1670	1675	rBV2	259446	275689	11.36%	0.827%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103018\
Data File : BF110313.D
Acq On : 30 Oct 2018 19:51
Operator : JU/SJ
Sample : J5724-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-UNDER-BUCKET

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-BF102318.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.010	1683	1687	1689	rBV	130312	128725	5.30%	0.386%
36	12.033	1689	1691	1695	rVB2	133140	105422	4.34%	0.316%
37	12.080	1697	1699	1702	rVB	33102	28181	1.16%	0.085%
38	12.121	1702	1706	1708	rBV	207051	209191	8.62%	0.628%
39	12.298	1734	1736	1739	rBV	86651	82953	3.42%	0.249%
40	12.333	1739	1742	1746	rVB2	62976	64262	2.65%	0.193%
41	12.563	1778	1781	1785	rVB3	54059	61293	2.52%	0.184%
42	12.651	1794	1796	1805	rVB4	64845	103081	4.25%	0.309%
43	12.733	1806	1810	1813	rVV	1354594	1186140	48.86%	3.559%
44	12.763	1813	1815	1817	rVV2	96726	83439	3.44%	0.250%
45	12.786	1817	1819	1823	rVB	37052	29325	1.21%	0.088%
46	12.957	1845	1848	1853	rVB	1102519	1011642	41.67%	3.035%
47	12.998	1853	1855	1860	rVB2	56246	58227	2.40%	0.175%
48	13.092	1864	1871	1873	rBV	1645985	1635549	67.37%	4.907%
49	13.116	1873	1875	1879	rVB	48952	44785	1.84%	0.134%
50	13.163	1879	1883	1888	rBV2	57312	99763	4.11%	0.299%
51	13.257	1896	1899	1900	rBV2	46852	48892	2.01%	0.147%
52	13.280	1900	1903	1908	rVV	168276	169092	6.97%	0.507%
53	13.345	1911	1914	1917	rVV	138152	120264	4.95%	0.361%
54	13.386	1917	1921	1923	rVV2	83474	100732	4.15%	0.302%
55	13.410	1923	1925	1928	rVB	44345	37439	1.54%	0.112%
56	13.480	1933	1937	1940	rBV	49002	56707	2.34%	0.170%
57	13.510	1940	1942	1948	rVB2	54915	56284	2.32%	0.169%
58	13.610	1955	1959	1962	rVB	158989	124031	5.11%	0.372%
59	13.763	1982	1985	1987	rBV3	26223	30860	1.27%	0.093%
60	13.792	1987	1990	1994	rVB	50553	55025	2.27%	0.165%
61	13.904	2004	2009	2011	rBV3	84447	95350	3.93%	0.286%
62	13.927	2011	2013	2016	rVV	85407	83370	3.43%	0.250%
63	13.968	2016	2020	2023	rVV2	175432	231620	9.54%	0.695%
64	13.998	2023	2025	2033	rVB	75017	86874	3.58%	0.261%
65	14.074	2033	2038	2041	rBV	25182	44703	1.84%	0.134%
66	14.151	2041	2051	2054	rBV2	844804	1258999	51.86%	3.778%
67	14.180	2054	2056	2064	rVB	526729	449157	18.50%	1.348%
68	14.262	2067	2070	2072	rBV	104134	91073	3.75%	0.273%
69	14.286	2072	2074	2076	rBV	44627	37399	1.54%	0.112%
70	14.380	2086	2090	2093	rBV2	49901	65863	2.71%	0.198%
71	14.504	2108	2111	2113	rBV2	30106	33874	1.40%	0.102%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103018\
Data File : BF110313.D
Acq On : 30 Oct 2018 19:51
Operator : JU/SJ
Sample : J5724-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-UNDER-BUCKET

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-BF102318.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.539	2113	2117	2120	rVV	93914	104543	4.31%	0.314%
73	14.592	2120	2126	2128	rVV2	121478	160540	6.61%	0.482%
74	14.639	2132	2134	2137	rVV3	48441	58684	2.42%	0.176%
75	14.668	2137	2139	2141	rVV2	54567	61087	2.52%	0.183%
76	14.692	2141	2143	2147	rVV	78611	77766	3.20%	0.233%
77	14.739	2147	2151	2158	rVB4	36064	72632	2.99%	0.218%
78	14.868	2169	2173	2175	rBV3	33745	38001	1.57%	0.114%
79	14.910	2177	2180	2184	rVB	102857	114526	4.72%	0.344%
80	15.062	2202	2206	2213	rVB5	39608	63489	2.62%	0.190%
81	15.233	2230	2235	2238	rBV	347956	591146	24.35%	1.774%
82	15.262	2238	2240	2245	rVV2	245941	317155	13.06%	0.952%
83	15.310	2245	2248	2251	rVV	41560	56499	2.33%	0.170%
84	15.345	2251	2254	2260	rVB	75317	84566	3.48%	0.254%
85	15.433	2266	2269	2272	rBV3	24620	35059	1.44%	0.105%
86	15.551	2285	2289	2296	rVB	209047	281216	11.58%	0.844%
87	15.621	2296	2301	2305	rBV	304428	389799	16.06%	1.170%
88	15.686	2305	2312	2316	rVV3	399218	683525	28.16%	2.051%
89	15.721	2316	2318	2325	rVB2	87197	109443	4.51%	0.328%
90	16.133	2382	2388	2396	rBV	172369	271073	11.17%	0.813%
91	16.198	2396	2399	2405	rBV7	15642	31486	1.30%	0.094%
92	16.286	2411	2414	2418	rVB2	21788	30846	1.27%	0.093%
93	16.668	2473	2479	2487	rVB2	74751	143504	5.91%	0.431%
94	17.051	2539	2544	2548	rBV2	15806	31749	1.31%	0.095%
95	17.262	2573	2580	2584	rBV2	96984	205931	8.48%	0.618%
96	17.739	2654	2661	2670	rBV	73690	163142	6.72%	0.490%
97	17.998	2699	2705	2709	rBV3	20587	46747	1.93%	0.140%

Sum of corrected areas: 33328246

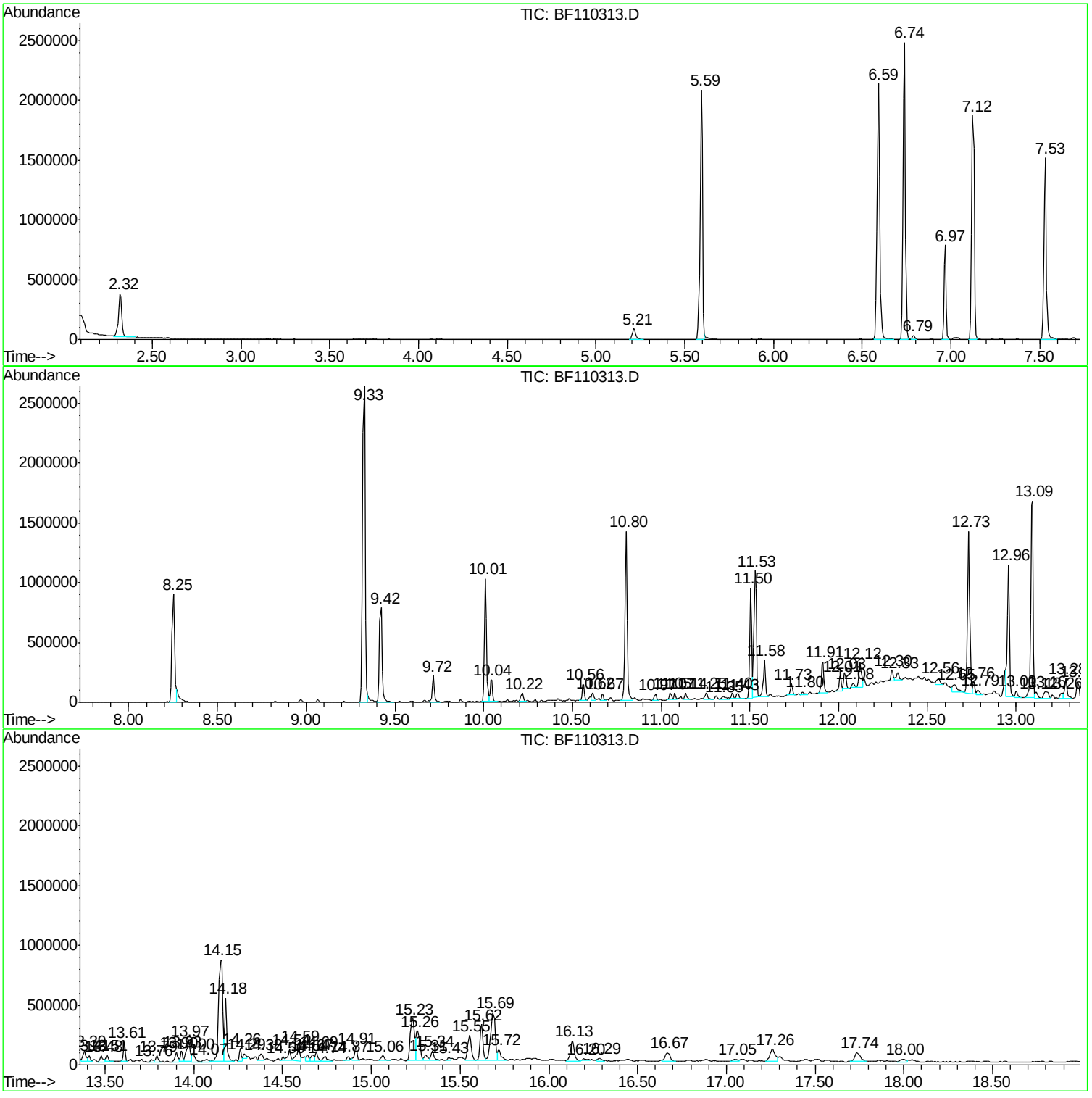
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103018\
Data File : BF110313.D
Acq On : 30 Oct 2018 19:51
Operator : JU/SJ
Sample : J5724-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-UNDER-BUCKET

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.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\BF103018\
Data File : BF110313.D
Acq On : 30 Oct 2018 19:51
Operator : JU/SJ
Sample : J5724-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-UNDER-BUCKET

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

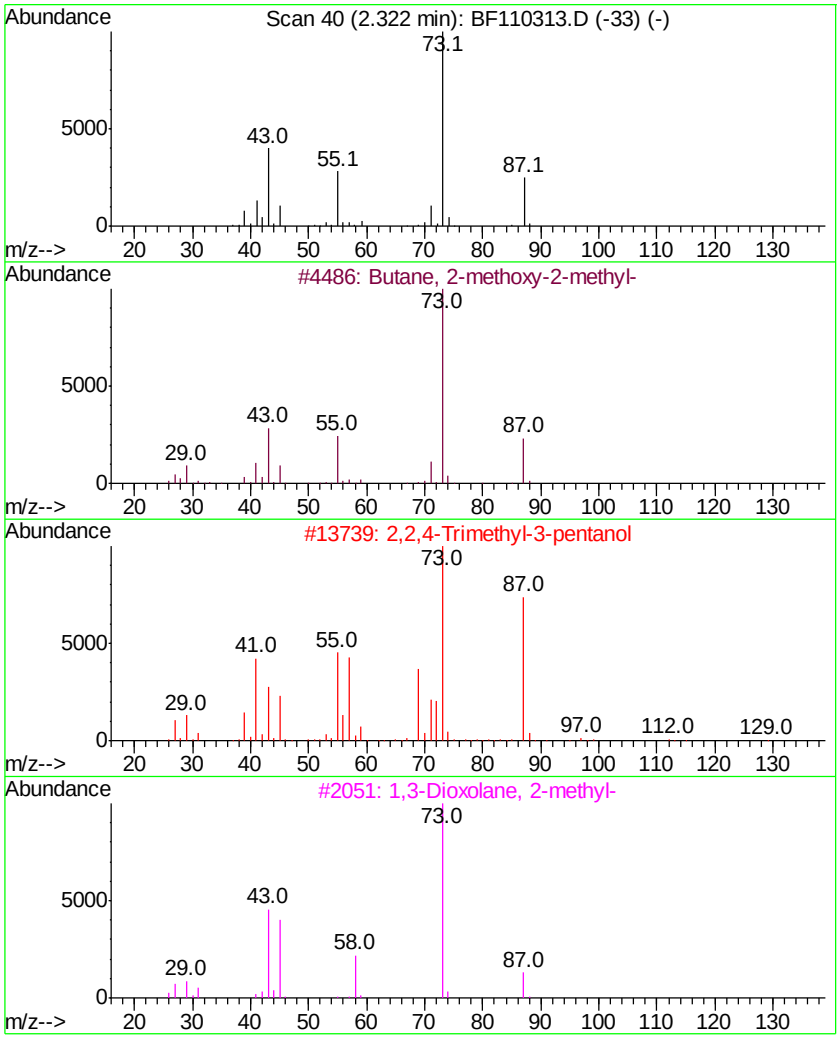
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

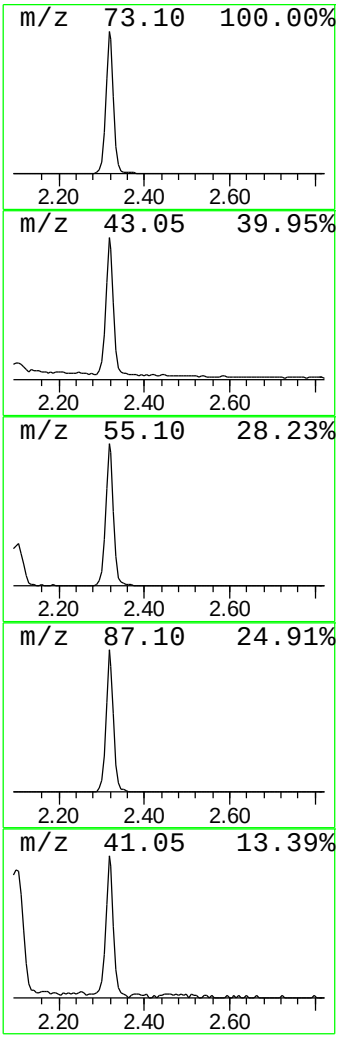
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.32	15.38 ng	506085	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	32
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103018\
Data File : BF110313.D
Acq On : 30 Oct 2018 19:51
Operator : JU/SJ
Sample : J5724-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-UNDER-BUCKET

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

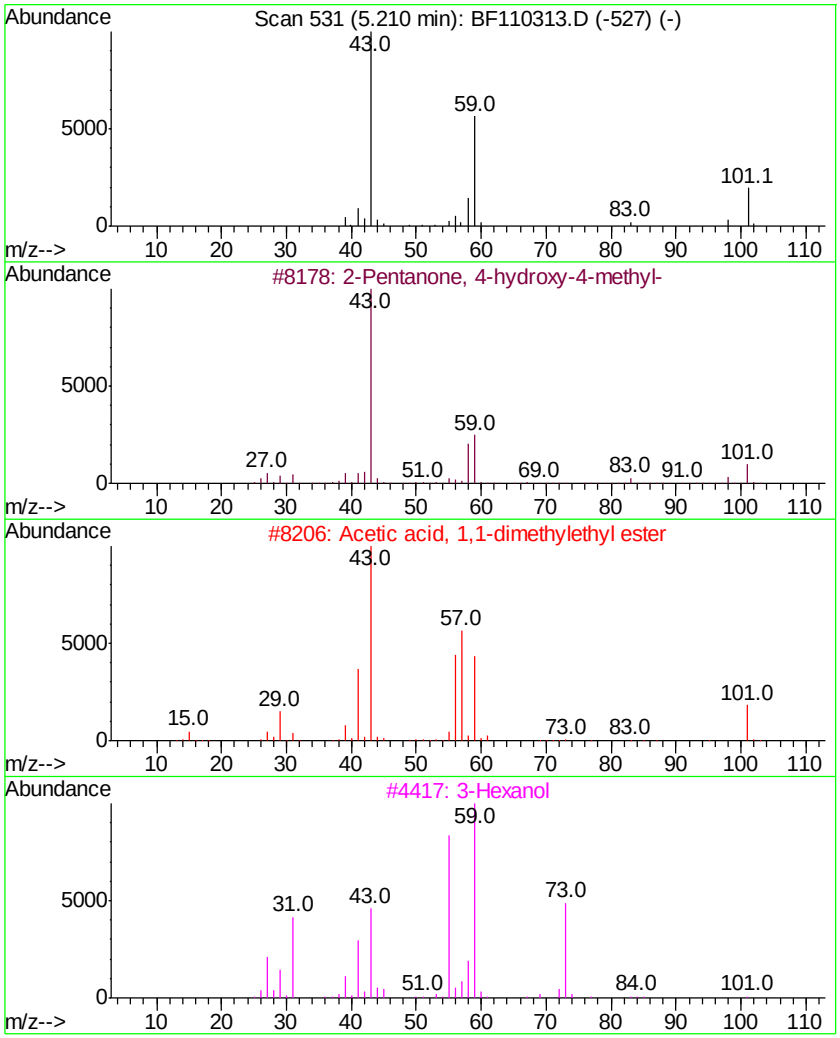
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

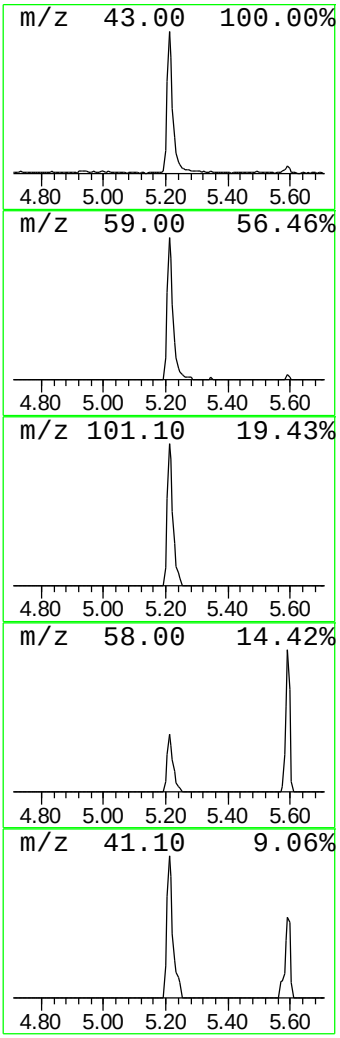
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.21	3.59 ng	118082	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	3-Hexanol	102	C6H14O	000623-37-0	28
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103018\
Data File : BF110313.D
Acq On : 30 Oct 2018 19:51
Operator : JU/SJ
Sample : J5724-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-UNDER-BUCKET

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

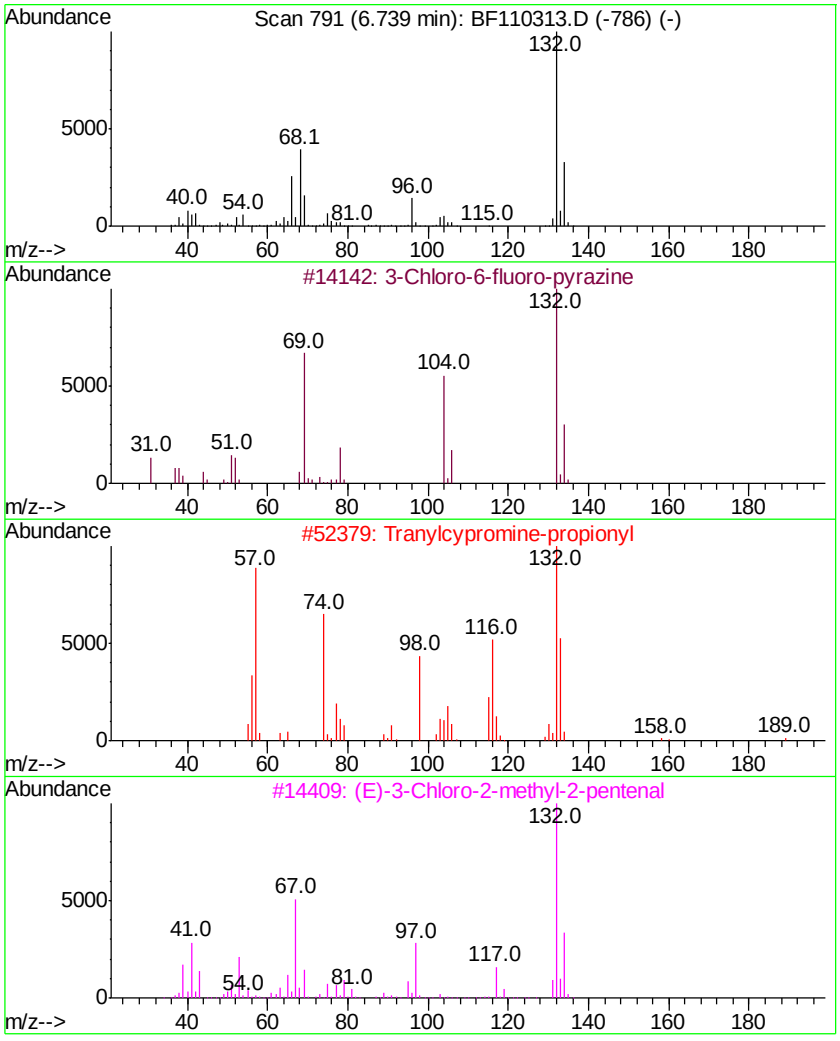
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

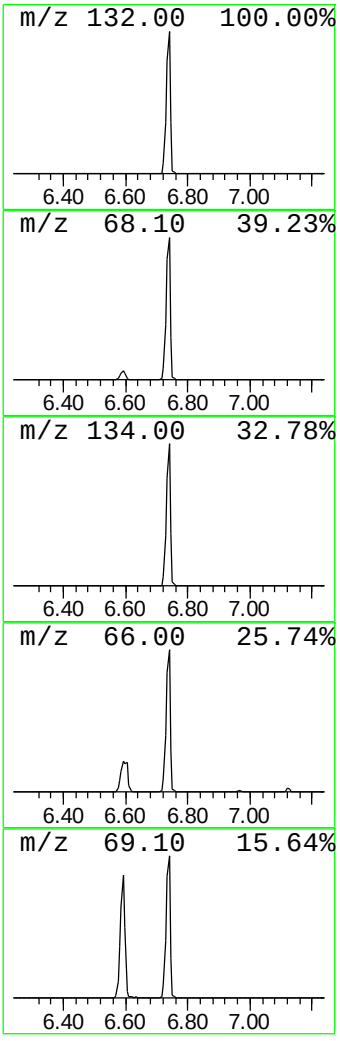
****

Peak Number 3 unknown6.74 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.74	70.12 ng	2308050	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
3	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103018\
Data File : BF110313.D
Acq On : 30 Oct 2018 19:51
Operator : JU/SJ
Sample : J5724-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-UNDER-BUCKET

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

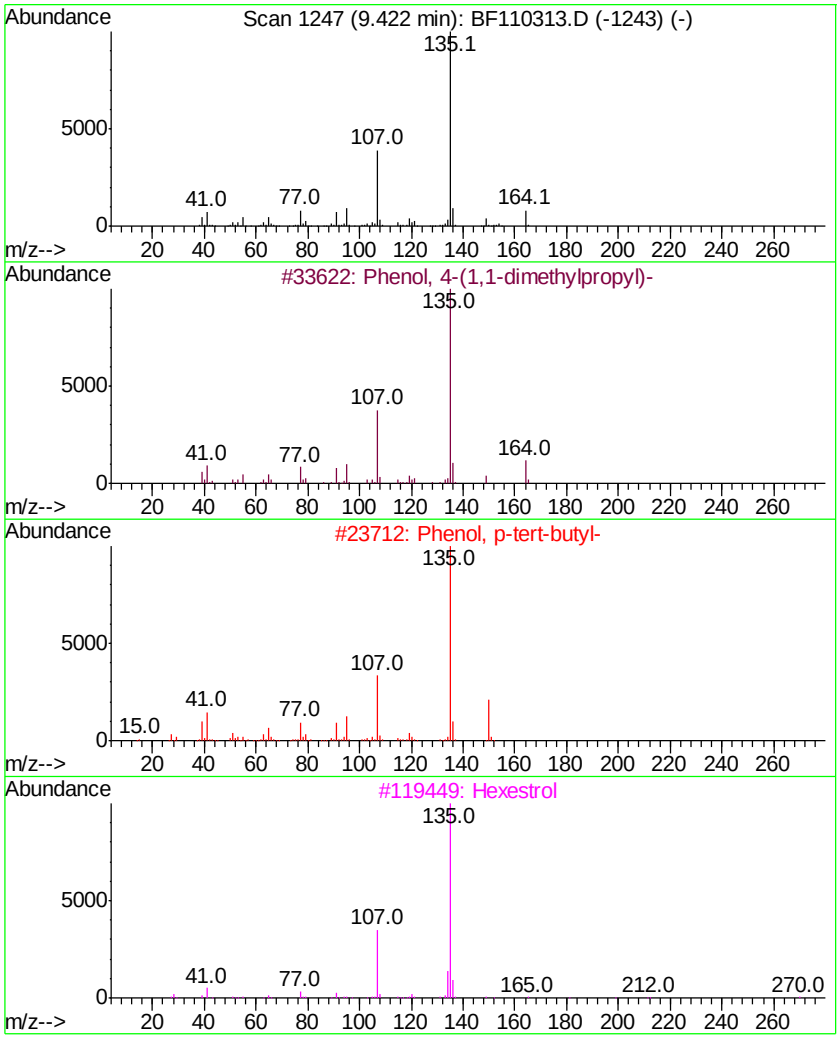
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

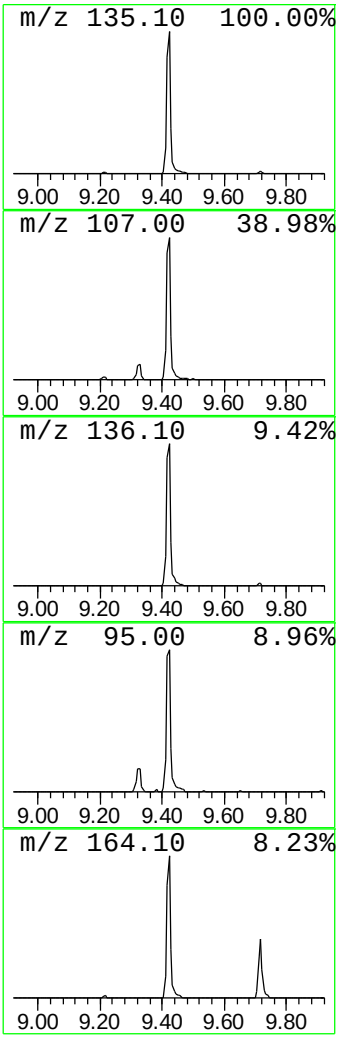
****

Peak Number 5 Phenol, 4-(1,1-dimethylprop... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.42	16.23 ng	730068	Acenaphthene-d10	10.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(1,1-dimethylpropyl)-	164	C11H16O	000080-46-6	95
2	Phenol, p-tert-butyl-	150	C10H14O	000098-54-4	78
3	Hexestrol	270	C18H22O2	000084-16-2	72
4	Hexestrol, O-trifluoroacetyl-	366	C20H21F3O3	1000365-31-7	72
5	4,6-Bis(4-ethoxybenzylthio)-5-ni...	457	C22H23N3O4S2	325957-76-4	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103018\
Data File : BF110313.D
Acq On : 30 Oct 2018 19:51
Operator : JU/SJ
Sample : J5724-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-UNDER-BUCKET

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

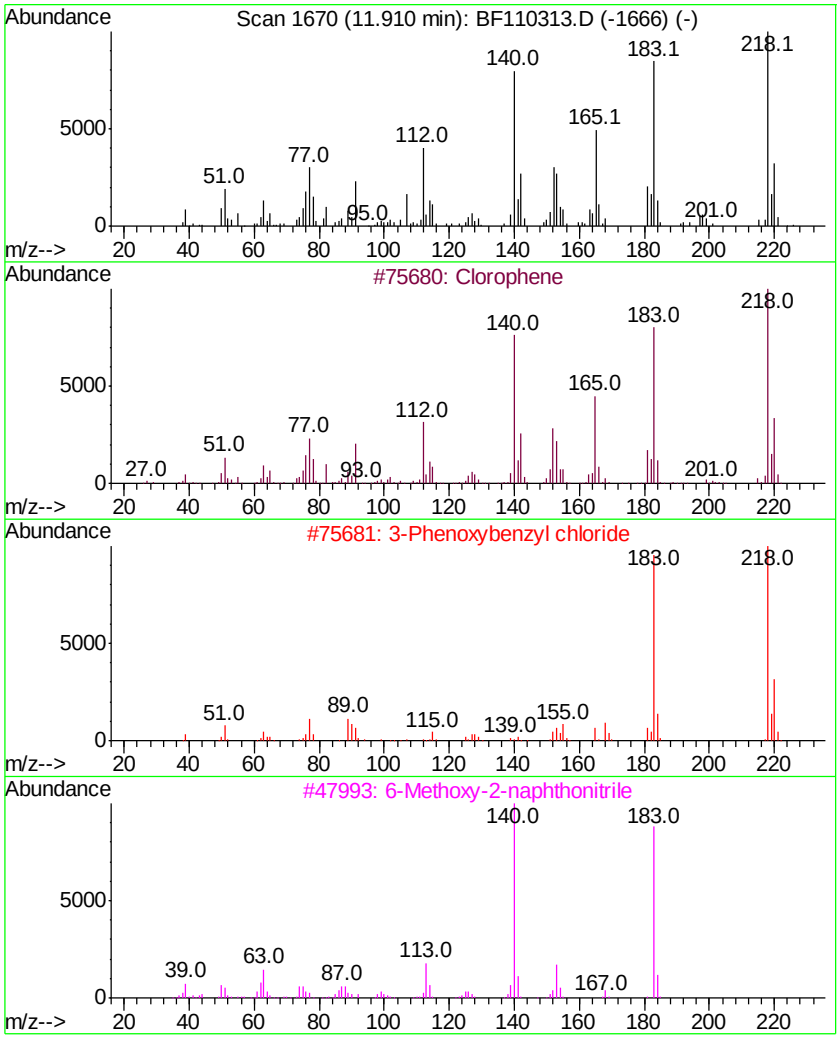
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

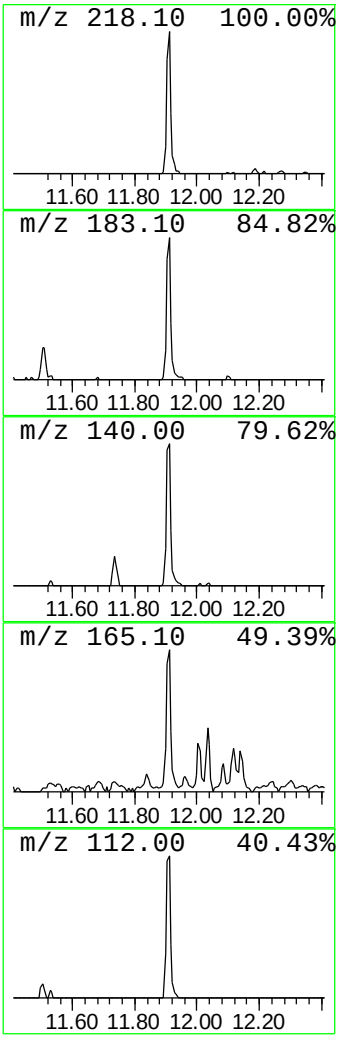
****

Peak Number 6 Clorophene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	6.85 ng	275689	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Clorophene	218	C13H11ClO	000120-32-1	99
2	3-Phenoxybenzyl chloride	218	C13H11ClO	1000353-82-2	50
3	6-Methoxy-2-naphthonitrile	183	C12H9NO	067886-70-8	46
4	Benzofuro[3,2-d]pyrimidine, 4-ch...	218	C11H7ClN2O	039786-40-8	46
5	1-Naphthalenecarbonitrile, 4-met...	183	C12H9NO	005961-55-7	30





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103018\
Data File : BF110313.D
Acq On : 30 Oct 2018 19:51
Operator : JU/SJ
Sample : J5724-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-UNDER-BUCKET

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

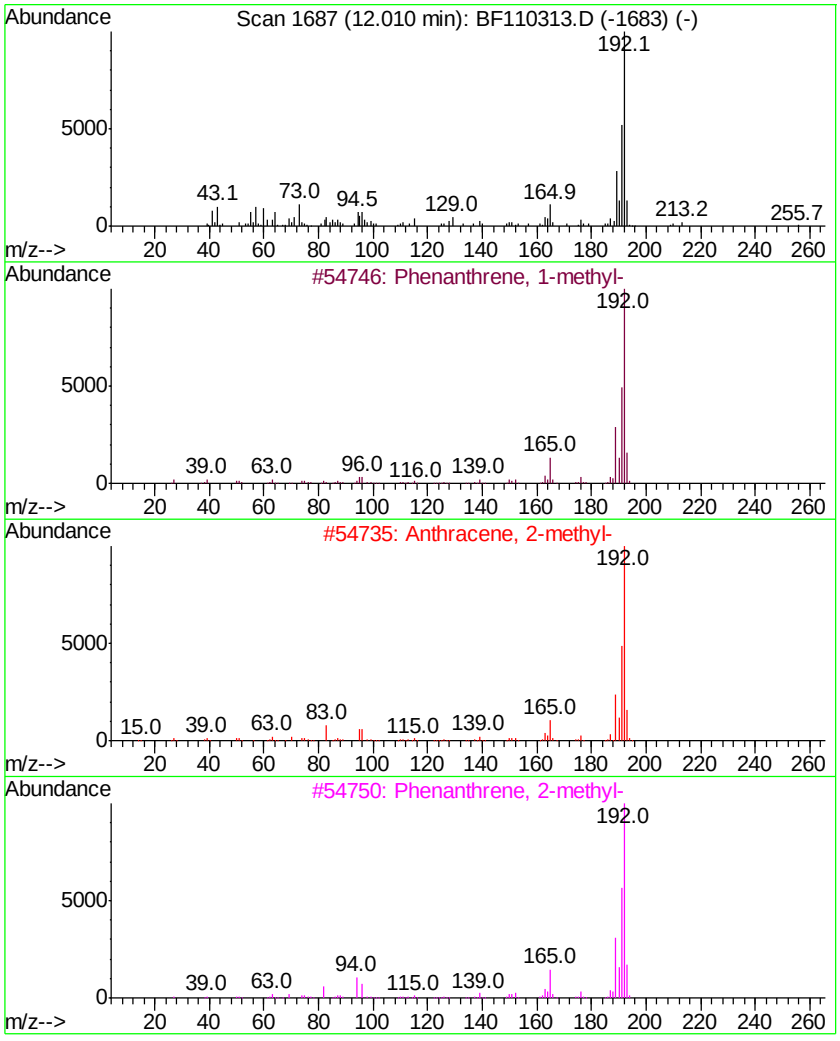
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

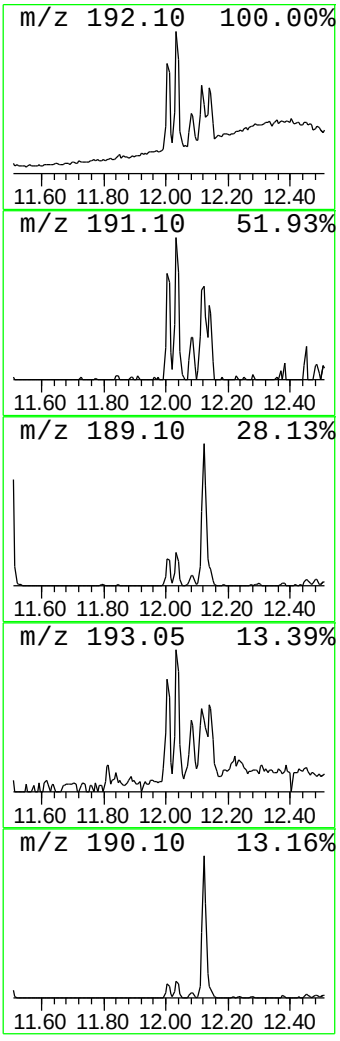
****

Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	3.20 ng	128725	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103018\
Data File : BF110313.D
Acq On : 30 Oct 2018 19:51
Operator : JU/SJ
Sample : J5724-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-UNDER-BUCKET

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

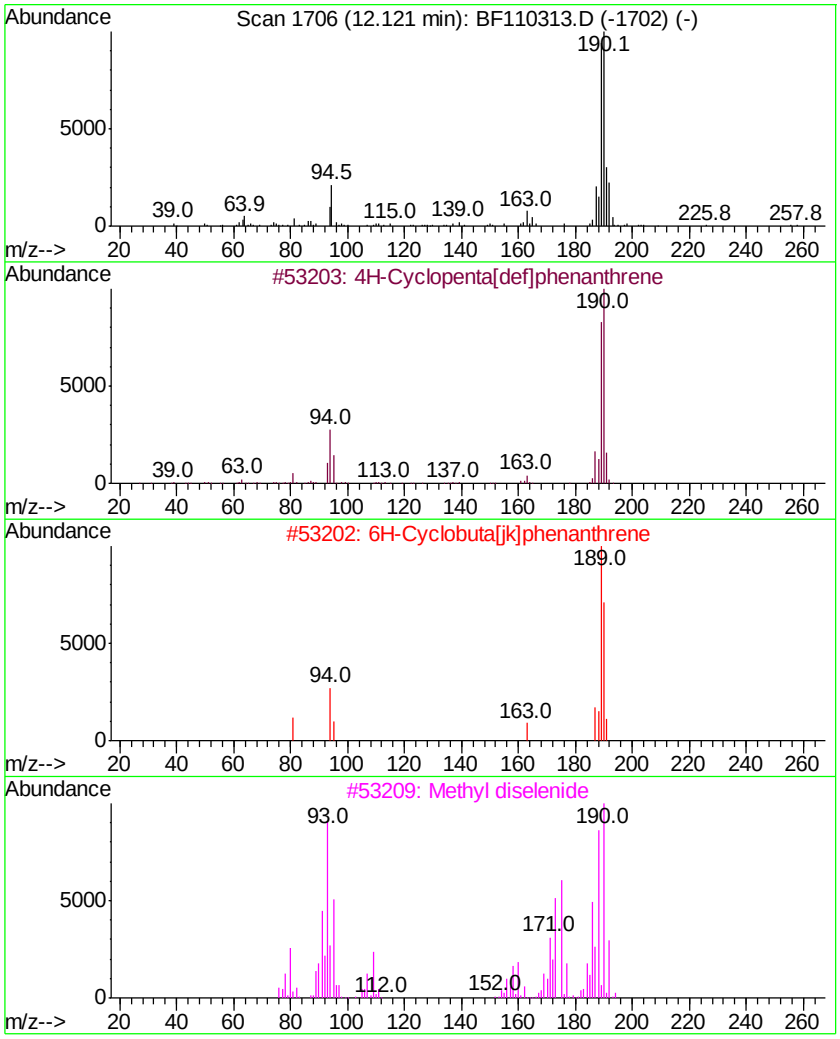
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

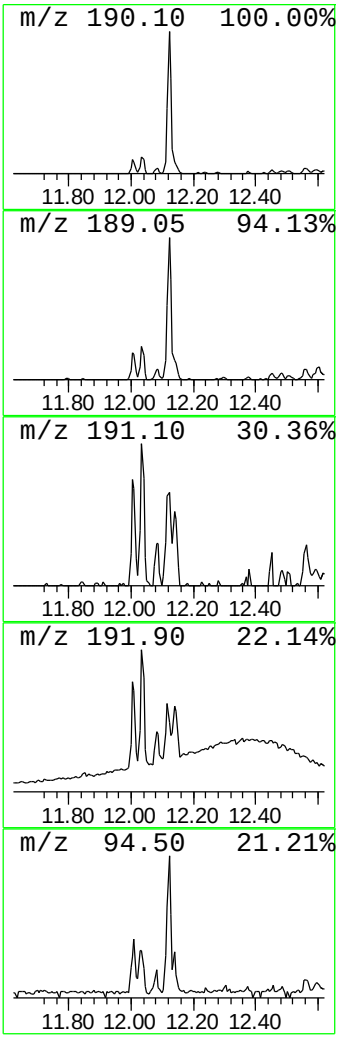
****

Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	5.20 ng	209191	Phenanthrene-d10	11.50

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	56
3	Methyl diselenide	190	C2H6Se2	007101-31-7	55
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103018\
Data File : BF110313.D
Acq On : 30 Oct 2018 19:51
Operator : JU/SJ
Sample : J5724-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-UNDER-BUCKET

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

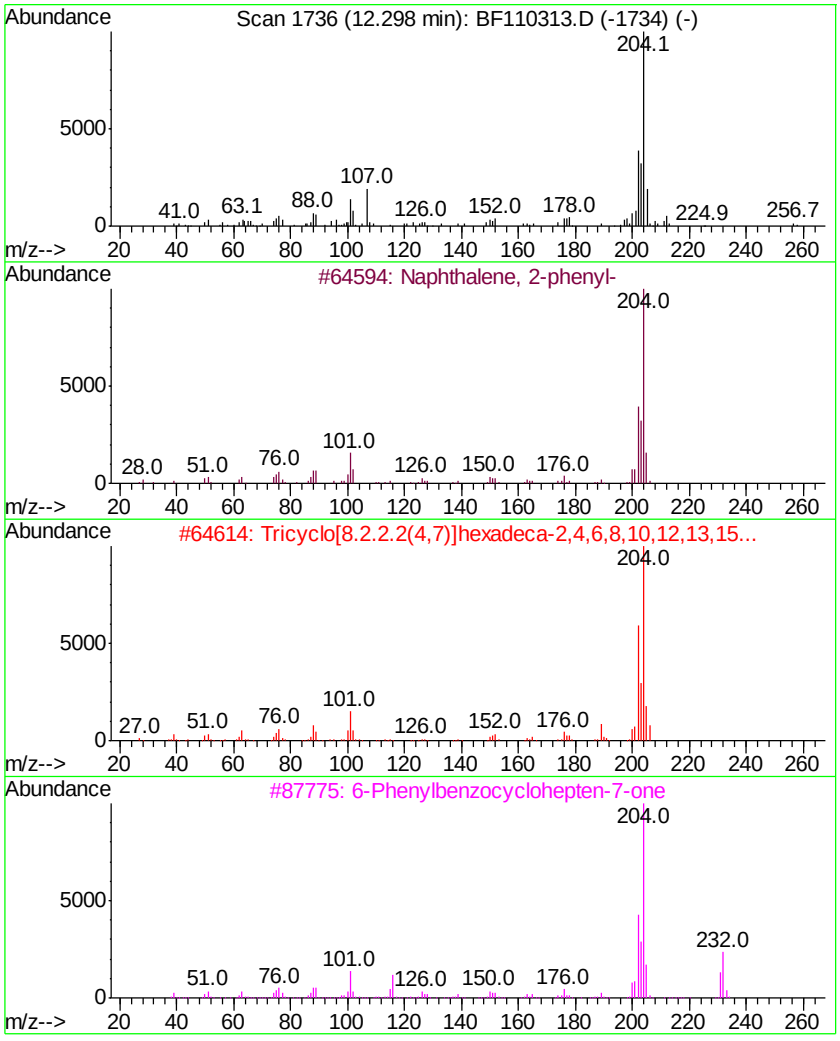
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

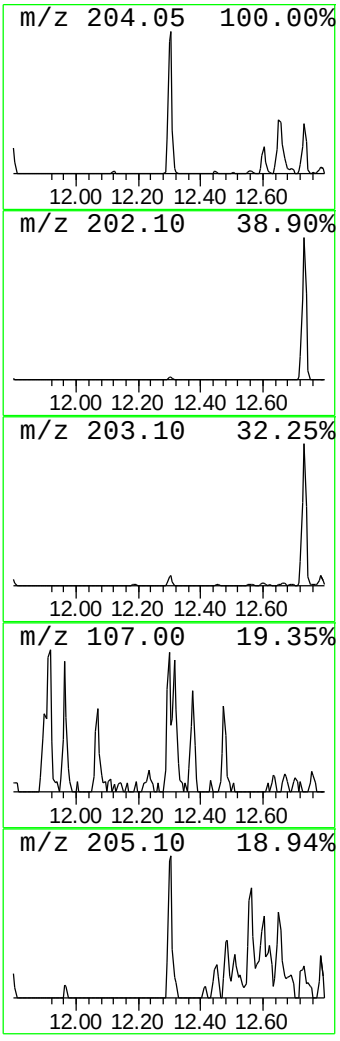
****

Peak Number 10 Naphthalene, 1-phenyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	2.06 ng	82953	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	92
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	78
3	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	72
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	64
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103018\
Data File : BF110313.D
Acq On : 30 Oct 2018 19:51
Operator : JU/SJ
Sample : J5724-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-UNDER-BUCKET

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

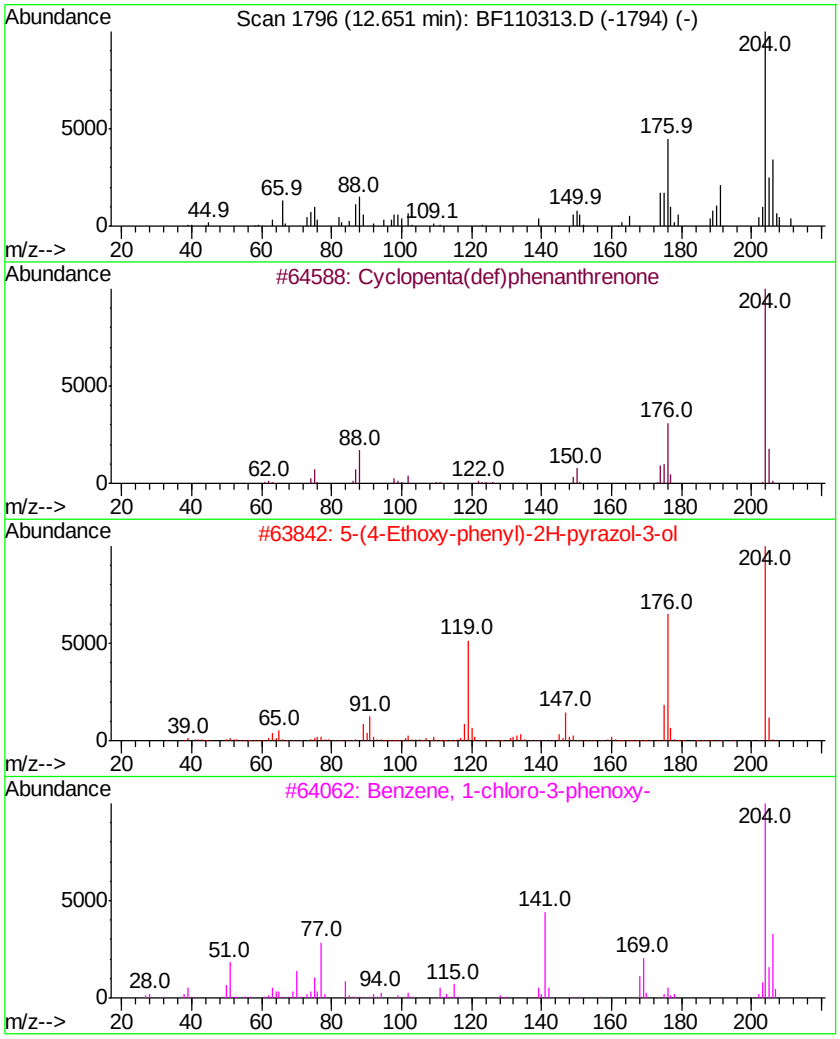
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

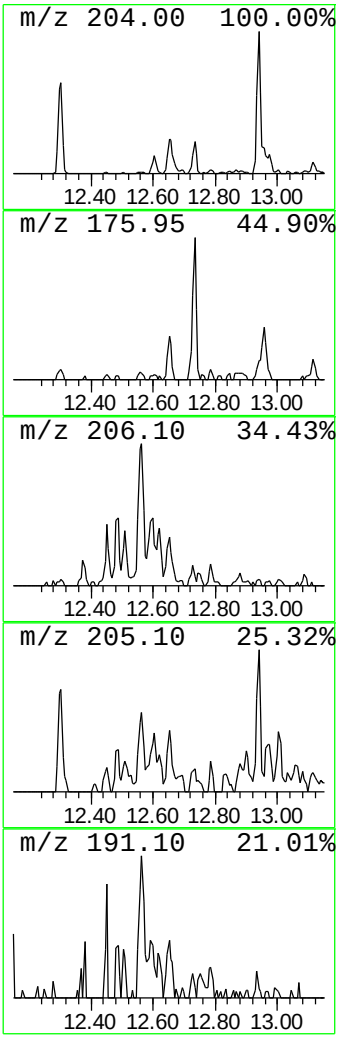
****

Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	2.56 ng	103081	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	62
2	5-(4-Ethoxy-phenyl)-2H-pyrazol-3-ol	204	C11H12N2O2	1000278-26-8	47
3	Benzene, 1-chloro-3-phenoxy-	204	C12H9ClO	006452-49-9	46
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	46
5	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	43





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103018\
Data File : BF110313.D
Acq On : 30 Oct 2018 19:51
Operator : JU/SJ
Sample : J5724-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-UNDER-BUCKET

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

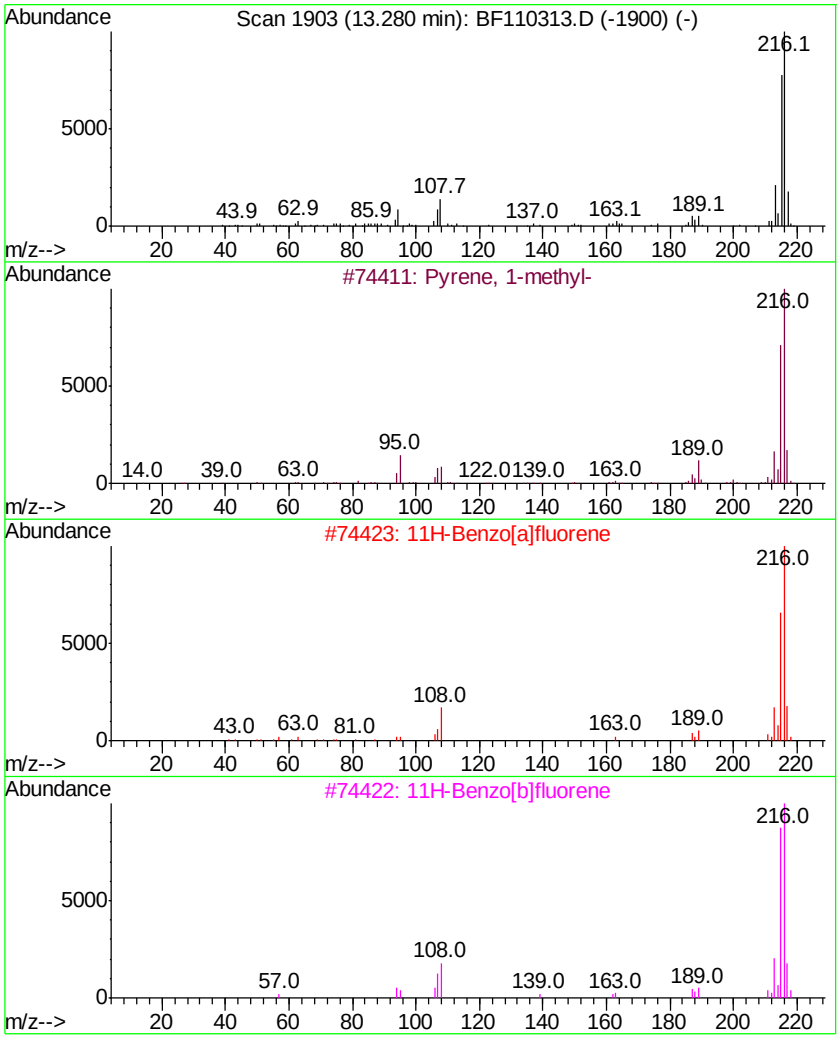
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

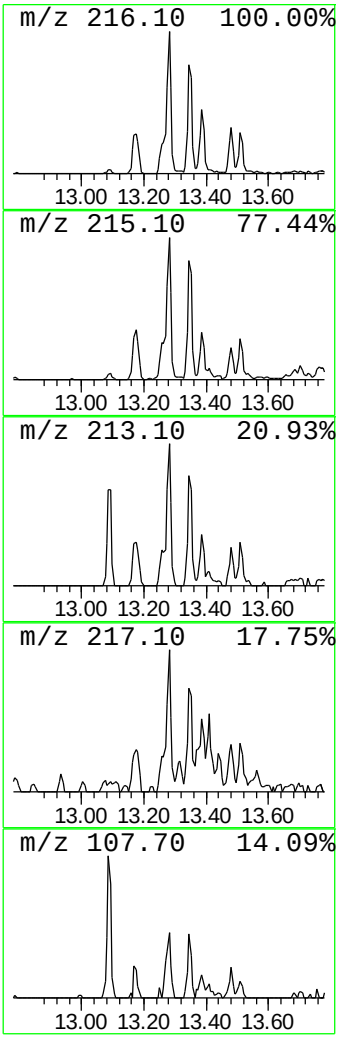
****

Peak Number 12 Pyrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.28	2.69 ng	169092	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103018\
Data File : BF110313.D
Acq On : 30 Oct 2018 19:51
Operator : JU/SJ
Sample : J5724-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-UNDER-BUCKET

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

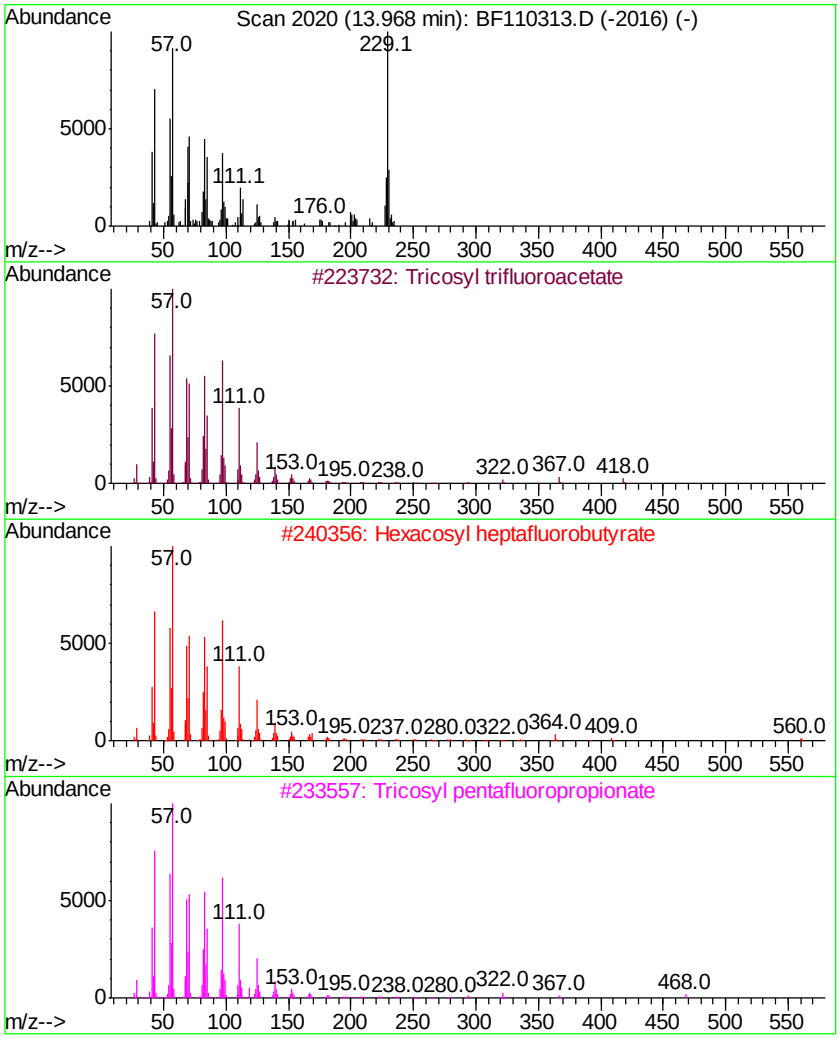
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

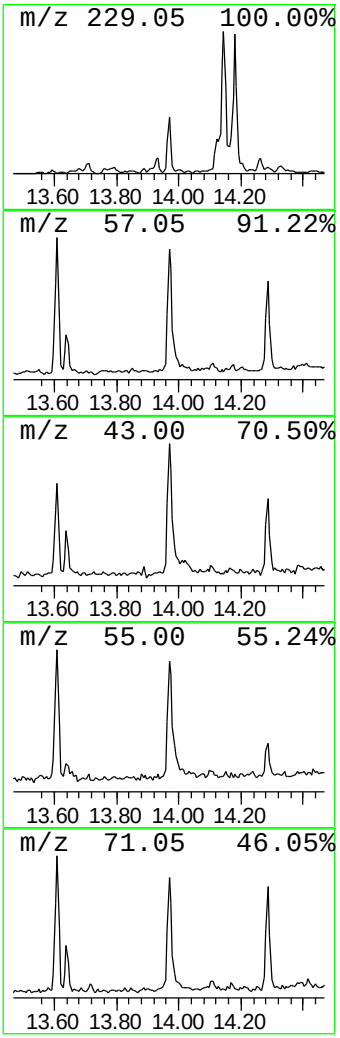
****

Peak Number 13 Tricosyl trifluoroacetate Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	3.68 ng	231620	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricosyl trifluoroacetate	436	C25H47F3O2	1000351-75-1	50
2	Hexacosyl heptafluorobutyrate	578	C30H53F7O2	1000351-83-3	50
3	Tricosyl pentafluoropropionate	486	C26H47F5O2	1000351-81-0	45
4	Heneicosyl heptafluorobutyrate	508	C25H43F7O2	1000351-83-8	45
5	Dotriacontyl trifluoroacetate	562	C34H65F3O2	1000351-75-4	45





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103018\
Data File : BF110313.D
Acq On : 30 Oct 2018 19:51
Operator : JU/SJ
Sample : J5724-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-UNDER-BUCKET

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

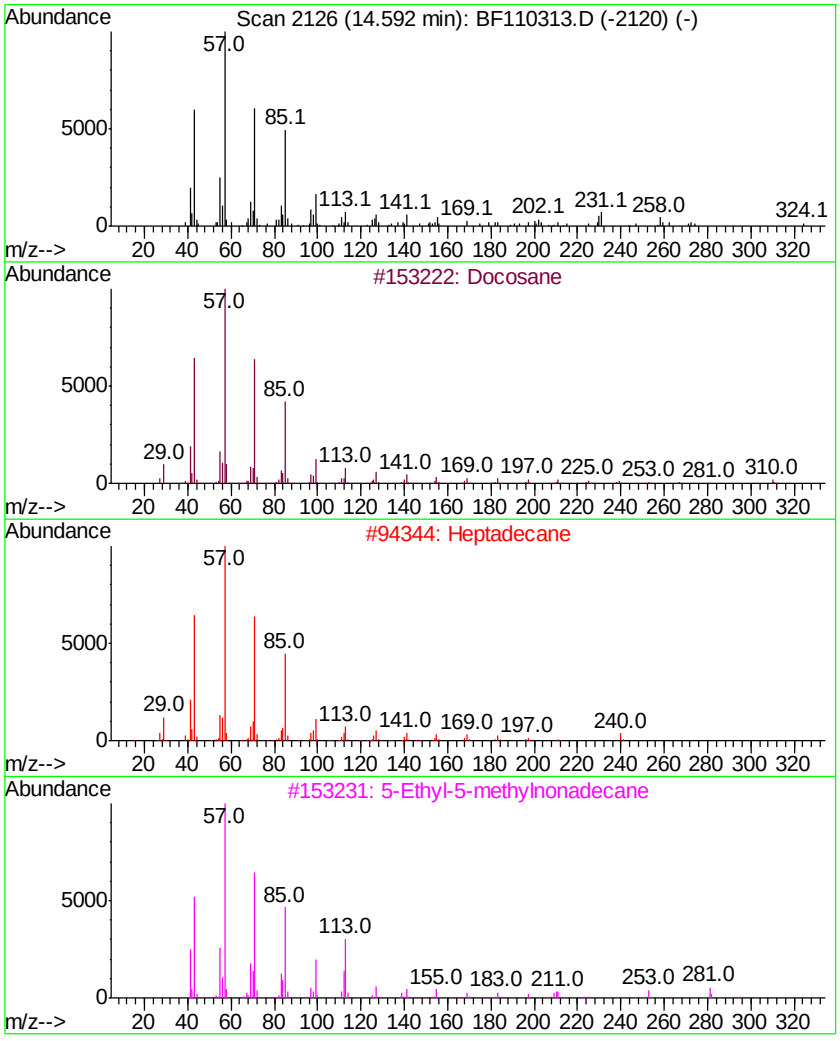
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

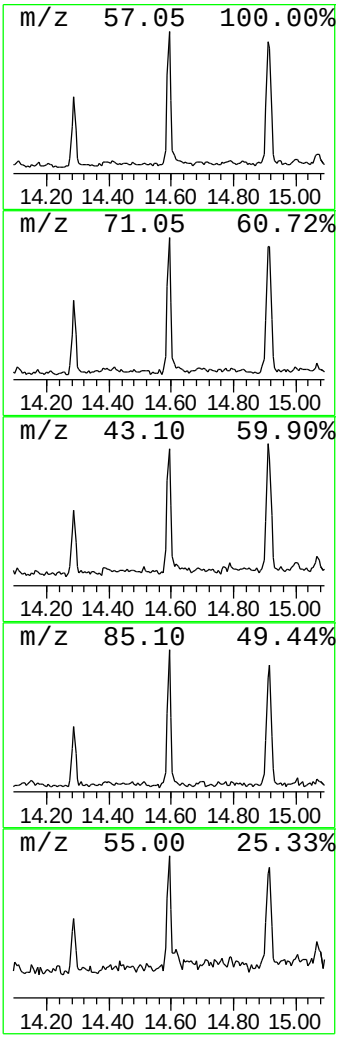
****

Peak Number 14 Docosane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.59	2.55 ng	160540	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosane	310	C22H46	000629-97-0	83
2	Heptadecane	240	C17H36	000629-78-7	80
3	5-Ethyl-5-methylnonadecane	310	C22H46	1000360-42-7	80
4	Eicosane	282	C20H42	000112-95-8	80
5	Hexadecane	226	C16H34	000544-76-3	80





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103018\
Data File : BF110313.D
Acq On : 30 Oct 2018 19:51
Operator : JU/SJ
Sample : J5724-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-UNDER-BUCKET

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

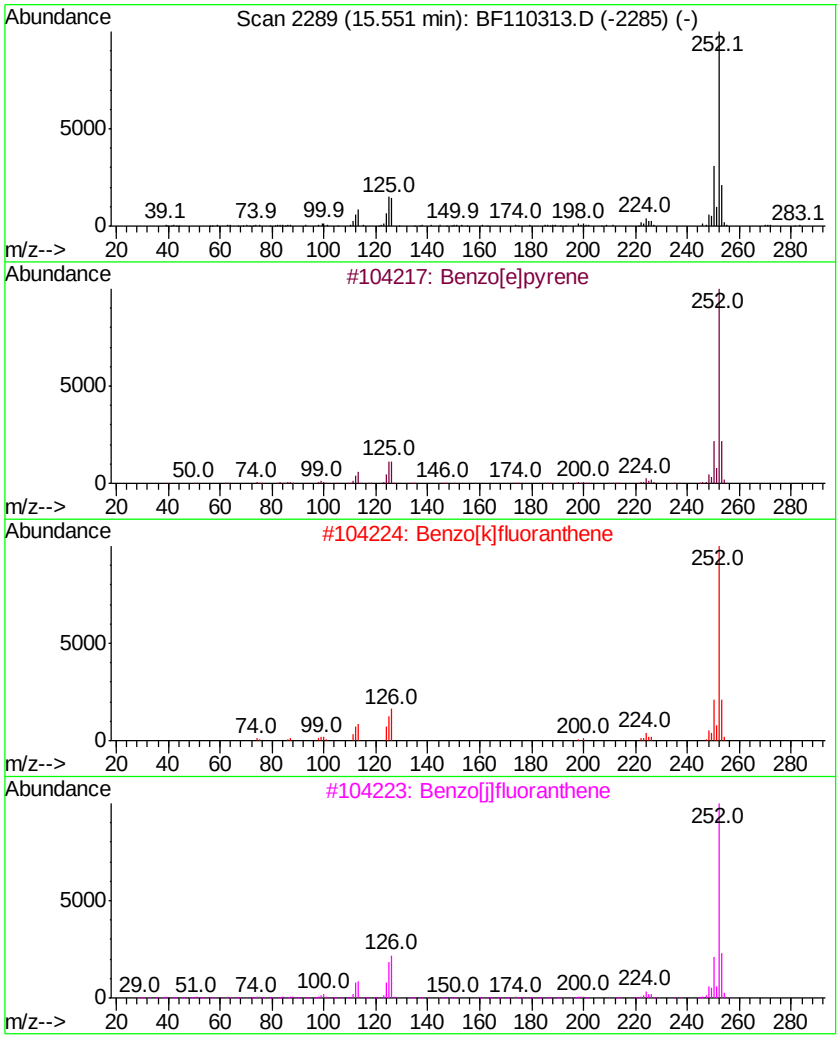
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

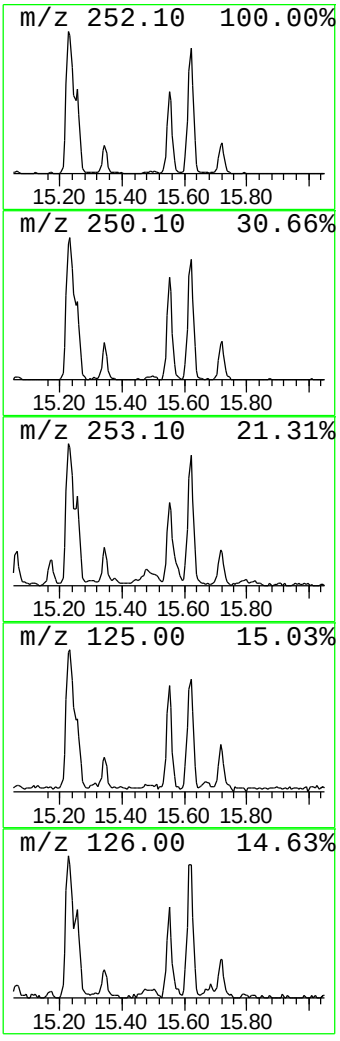
****

Peak Number 16 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.55	8.23 ng	281216	Perylene-d12	15.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	99
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	98
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	98
5	Perylene	252	C20H12	000198-55-0	95





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103018\
Data File : BF110313.D
Acq On : 30 Oct 2018 19:51
Operator : JU/SJ
Sample : J5724-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-UNDER-BUCKET

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

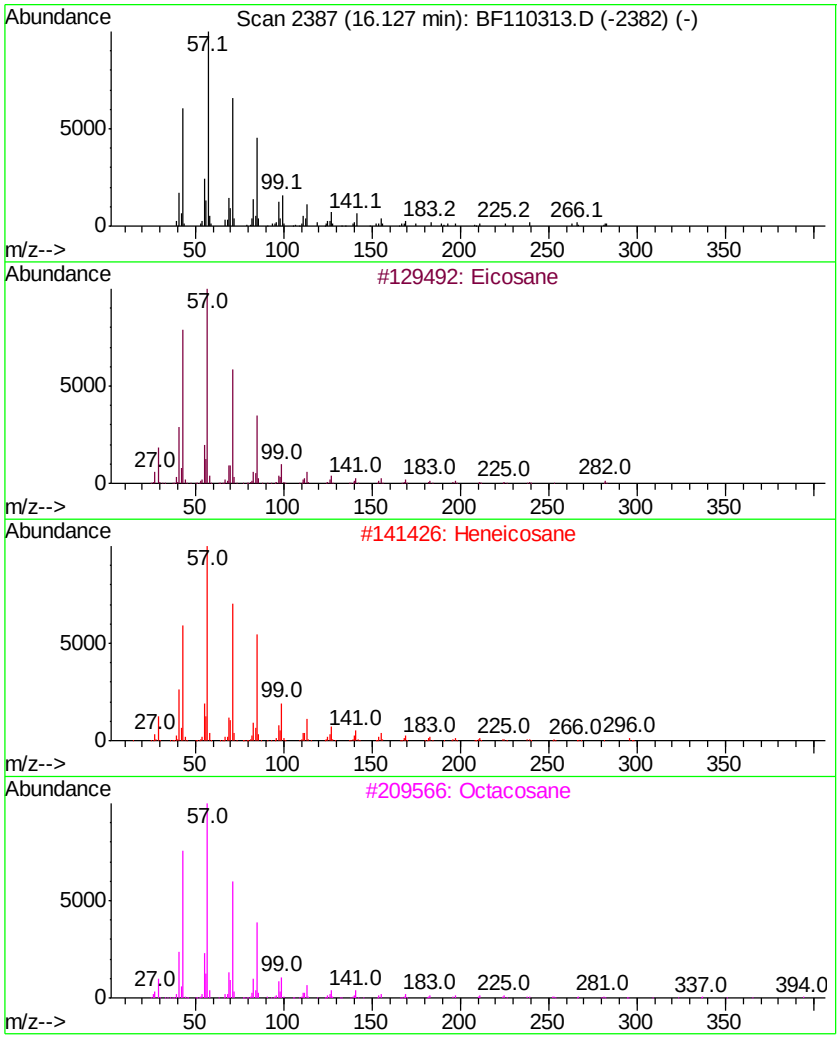
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

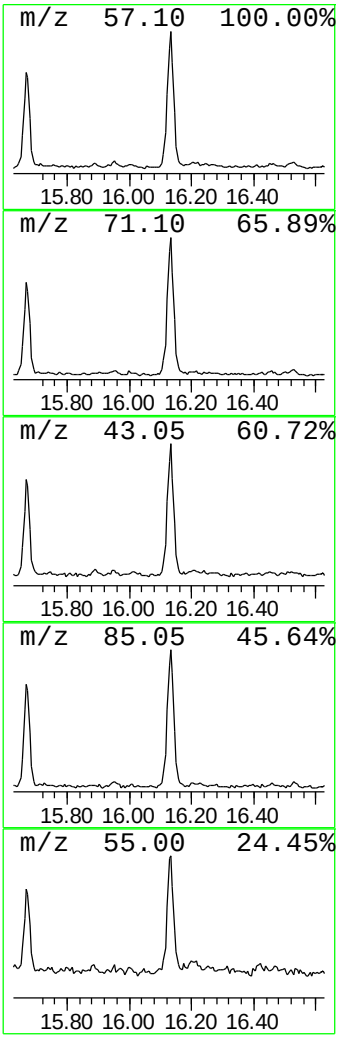
****

Peak Number 17 Eicosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.13	7.93 ng	271073	Perylene-d12	15.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	96
2	Heneicosane	296	C21H44	000629-94-7	90
3	Octacosane	394	C28H58	000630-02-4	90
4	Heptacosane	380	C27H56	000593-49-7	90
5	Tetratetracontane	619	C44H90	007098-22-8	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF103018\
Data File : BF110313.D
Acq On : 30 Oct 2018 19:51
Operator : JU/SJ
Sample : J5724-07
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-UNDER-BUCKET

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.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
Butane, 2-methoxy...	2.32	15.4	ng	506085	1	6.97	658268	20.0
2-Pentanone, 4-hy...	5.21	3.6	ng	118082	1	6.97	658268	20.0
unknown6.74	6.74	70.1	ng	2308050	1	6.97	658268	20.0
Phenol, 4-(1,1-di...	9.42	16.2	ng	730068	3	10.01	899533	20.0
Clorophene	11.91	6.8	ng	275689	4	11.50	805086	20.0
Phenanthrene, 1-m...	12.01	3.2	ng	128725	4	11.50	805086	20.0
4H-Cyclopenta[def...	12.12	5.2	ng	209191	4	11.50	805086	20.0
Naphthalene, 1-ph...	12.30	2.1	ng	82953	4	11.50	805086	20.0
Cyclopenta(def)ph...	12.65	2.6	ng	103081	4	11.50	805086	20.0
Pyrene, 1-methyl-	13.28	2.7	ng	169092	5	14.16	1259000	20.0
Tricosyl trifluor...	13.97	3.7	ng	231620	5	14.16	1259000	20.0
Docosane	14.59	2.5	ng	160540	5	14.16	1259000	20.0
Benzo[e]pyrene	15.55	8.2	ng	281216	6	15.69	683525	20.0
Eicosane	16.13	7.9	ng	271073	6	15.69	683525	20.0