LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120319\
Data File : BF118077.D
Acq On : 3 Dec 2019 22:12
Operator : JU
Sample : K6076-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMPOSITE-BIN-5-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_F\METHODS\8270-BF111319.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	2.157	5	12	24	rVB	867092	1159911	35.76%	2.263%
2	3.375	215	219	234	rBV	40477	97994	3.02%	0.191%
3	5.093	506	511	518	rVB	424199	559964	17.26%	1.092%
4	5.493	575	579	583	rBV	2799838	2803002	86.41%	5.468%
5	6.504	746	751	765	rVB	2708082	2923299	90.12%	5.703%
6	6.645	771	775	778	rBV	3487517	3120271	96.19%	6.087%
7	6.875	811	814	818	rBV	1032206	805290	24.82%	1.571%
8	7.034	837	841	844	rBV	3025772	2469995	76.14%	4.819%
9	7.439	905	910	913	rBV	2079426	1823061	56.20%	3.557%
10	8.163	1027	1033	1036	rBV	1247503	1035204	31.91%	2.020%
11	8.628	1110	1112	1115	rVB	43858	34940	1.08%	0.068%
12	8.851	1147	1150	1153	rBV	52639	65338	2.01%	0.127%
13	9.239	1212	1216	1219	rBV	3619790	3243915	100.00%	6.328%
14	9.633	1280	1283	1287	rBV	564412	462432	14.26%	0.902%
15	9.786	1305	1309	1311	rBV	59259	64854	2.00%	0.127%
16	9.922	1329	1332	1336	rBV	1219973	1117843	34.46%	2.181%
17	9.957	1336	1338	1341	rVB	106082	78851	2.43%	0.154%
18	10.128	1363	1367	1371	rVB2	69863	88147	2.72%	0.172%
19	10.239	1383	1386	1389	rBV4	30347	41091	1.27%	0.080%
20	10.328	1398	1401	1403	rBV2	37647	38356	1.18%	0.075%
21	10.475	1422	1426	1432	rBV	114167	118711	3.66%	0.232%
22	10.575	1439	1443	1447	rVB3	28981	43745	1.35%	0.085%
23	10.716	1463	1467	1471	rBV	2588700	2234148	68.87%	4.359%
24	10.839	1483	1488	1491	rBV3	81805	116608	3.59%	0.227%
25	11.022	1516	1519	1522	rBV3	37801	42820	1.32%	0.084%
26	11.075	1526	1528	1531	rVB3	45460	42610	1.31%	0.083%
27	11.127	1532	1537	1539	rBV2	61813	77919	2.40%	0.152%
28	11.275	1558	1562	1565	rBV2	55051	64266	1.98%	0.125%
29	11.310	1565	1568	1573	rVB2	98965	111994	3.45%	0.218%
30	11.357	1573	1576	1580	rBV5	53175	55414	1.71%	0.108%
31	11.416	1583	1586	1588	rVV	1193491	1071286	33.02%	2.090%
32	11.439	1588	1590	1594	rVV	919470	797458	24.58%	1.556%
33	11.492	1596	1599	1602	rVV	255800	213191	6.57%	0.416%
34	11.527	1602	1605	1611	rVB6	34873	59693	1.84%	0.116%

LSC Area Percent Report

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Sample : K6076-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMPOSITE-BIN-5-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
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If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.645	1620	1625	1631	rBV4	89460	155472	4.79%	0.303%
36	11.710	1633	1636	1639	rBV2	64139	66310	2.04%	0.129%
37	11.804	1649	1652	1655	rVB	140428	111329	3.43%	0.217%
38	11.869	1660	1663	1666	rBV2	67417	79049	2.44%	0.154%
39	11.922	1666	1672	1673	rVV	151289	184780	5.70%	0.360%
40	11.945	1673	1676	1682	rVV	1342874	1411173	43.50%	2.753%
41	11.998	1682	1685	1687	rVV	78311	93022	2.87%	0.181%
42	12.033	1688	1691	1693	rVV2	233138	253476	7.81%	0.495%
43	12.057	1693	1695	1698	rVV	94241	74797	2.31%	0.146%
44	12.116	1702	1705	1709	rVB4	71987	77125	2.38%	0.150%
45	12.216	1720	1722	1724	rVB	94851	62802	1.94%	0.123%
46	12.239	1724	1726	1729	rVB2	75754	67025	2.07%	0.131%
47	12.345	1741	1744	1746	rBV3	37417	43331	1.34%	0.085%
48	12.398	1750	1753	1755	rBV	67519	54552	1.68%	0.106%
49	12.469	1762	1765	1767	rBV2	95901	112715	3.47%	0.220%
50	12.498	1767	1770	1771	rVV	345730	329392	10.15%	0.643%
51	12.516	1771	1773	1778	rVV2	888400	810395	24.98%	1.581%
52	12.557	1778	1780	1785	rVB3	93785	108446	3.34%	0.212%
53	12.604	1785	1788	1790	rBV	101458	89233	2.75%	0.174%
54	12.639	1790	1794	1806	rBV	1711057	2102924	64.83%	4.103%
55	12.733	1806	1810	1817	rBV	610044	606050	18.68%	1.182%
56	12.869	1827	1833	1839	rBV	1385878	1537914	47.41%	3.000%
57	13.010	1853	1857	1860	rVB	3167734	2588273	79.79%	5.049%
58	13.086	1866	1870	1874	rBV2	93473	159848	4.93%	0.312%
59	13.169	1881	1884	1886	rBV3	92587	109136	3.36%	0.213%
60	13.198	1886	1889	1891	rVB	194391	190633	5.88%	0.372%
61	13.263	1897	1900	1903	rVB	161292	125207	3.86%	0.244%
62	13.298	1904	1906	1909	rVB2	116329	98976	3.05%	0.193%
63	13.392	1920	1922	1925	rVB	79749	58431	1.80%	0.114%
64	13.421	1925	1927	1930	rBV	88191	92320	2.85%	0.180%
65	13.451	1930	1932	1935	rVB3	69533	60917	1.88%	0.119%
66	13.704	1973	1975	1979	rVB	105411	106724	3.29%	0.208%
67	13.816	1991	1994	1997	rBV2	140234	167474	5.16%	0.327%
68	13.845	1997	1999	2001	rVV	127539	110049	3.39%	0.215%
69	13.868	2001	2003	2006	rVV2	137052	172334	5.31%	0.336%
70	13.904	2006	2009	2021	rVB3	488853	644669	19.87%	1.258%
71	14.068	2030	2037	2040	rBV3	1275652	1940194	59.81%	3.785%

LSC Area Percent Report

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Instrument : BNA_F
ClientSampleId : COMPOSITE-BIN-5-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

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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
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72	14.092	2040	2041	2044	rVB	562982	417059	12.86%	0.814%
73	14.174	2053	2055	2057	rVB	116361	80269	2.47%	0.157%
74	14.533	2113	2116	2122	rBV4	260169	373101	11.50%	0.728%
75	14.845	2167	2169	2172	rVB3	124393	119918	3.70%	0.234%
76	14.992	2192	2194	2198	rVB	182839	182506	5.63%	0.356%
77	15.127	2213	2217	2220	rBV	657033	979247	30.19%	1.910%
78	15.198	2225	2229	2231	rBV	491045	589209	18.16%	1.149%
79	15.221	2231	2233	2239	rVB2	376276	547237	16.87%	1.068%
80	15.439	2266	2270	2276	rVB	402707	518203	15.97%	1.011%
81	15.504	2276	2281	2287	rBV	543323	724921	22.35%	1.414%
82	15.568	2287	2292	2295	rBV	794126	1109354	34.20%	2.164%
83	15.798	2328	2331	2336	rVB5	145376	190821	5.88%	0.372%
84	16.039	2367	2372	2378	rBV	595311	931983	28.73%	1.818%
85	16.098	2378	2382	2387	rVV3	139300	228727	7.05%	0.446%
86	16.862	2508	2512	2519	rBV4	171307	329613	10.16%	0.643%
87	17.080	2544	2549	2559	rVB2	263732	596151	18.38%	1.163%
88	17.174	2561	2565	2572	rVB2	242558	505477	15.58%	0.986%
89	17.268	2577	2581	2587	rVB5	132993	258513	7.97%	0.504%
90	17.539	2622	2627	2637	rVB	202874	436450	13.45%	0.851%

Sum of corrected areas: 51258877

LSC Report - Integrated Chromatogram

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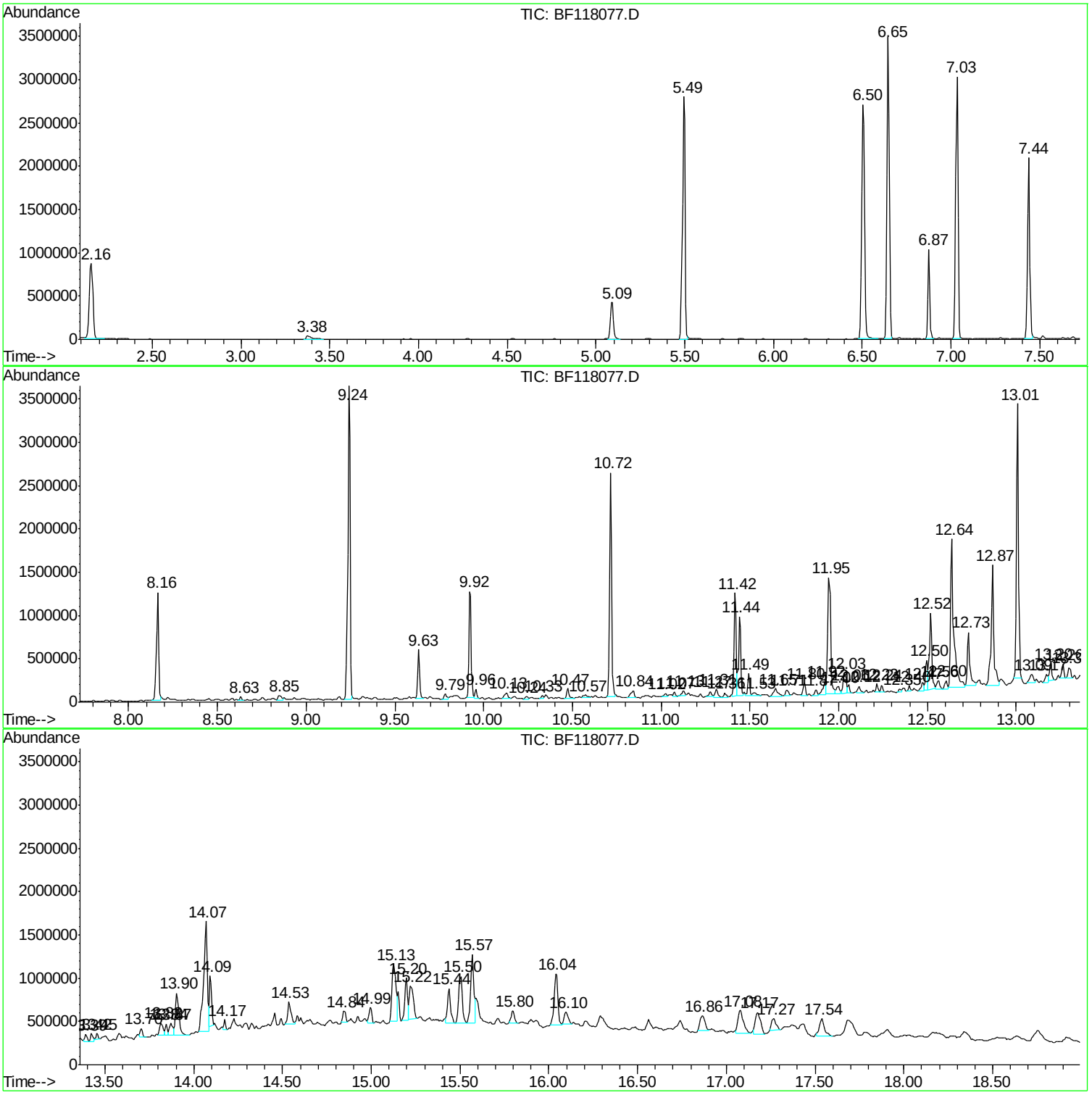
Sample : K6076-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-BIN-5-SOIL-PILE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.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\BF120319\
Data File : BF118077.D
Acq On : 3 Dec 2019 22:12
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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMPOSITE-BIN-5-SOIL-PILE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

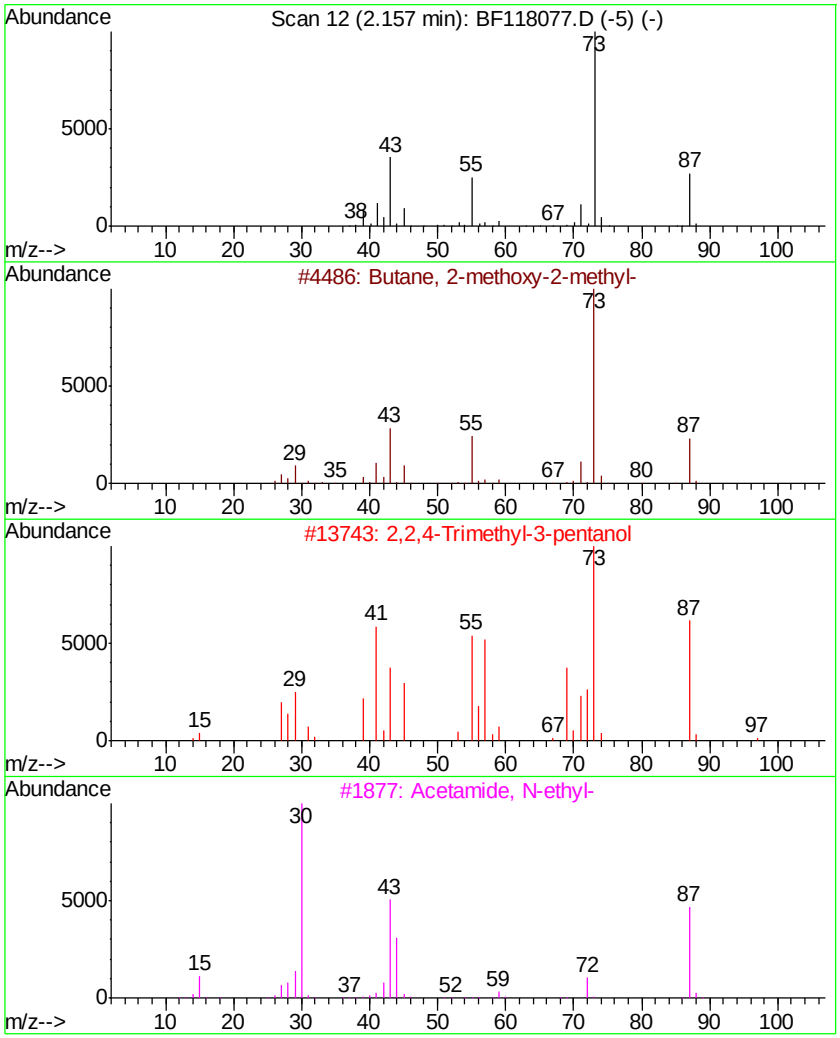
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

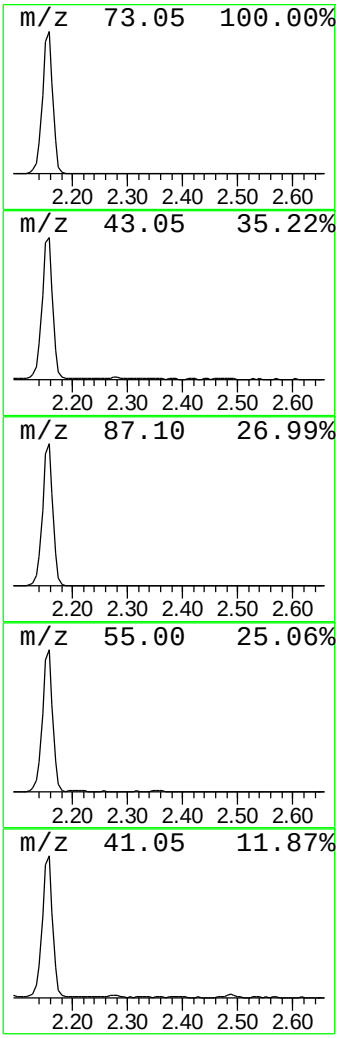
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.16	28.81 ng	1159910	1,4-Dichlorobenzene-d4	6.87

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	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	22
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	10





Library Search Compound Report

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Acq On : 3 Dec 2019 22:12
Operator : JU
Sample : K6076-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMPOSITE-BIN-5-SOIL-PILE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

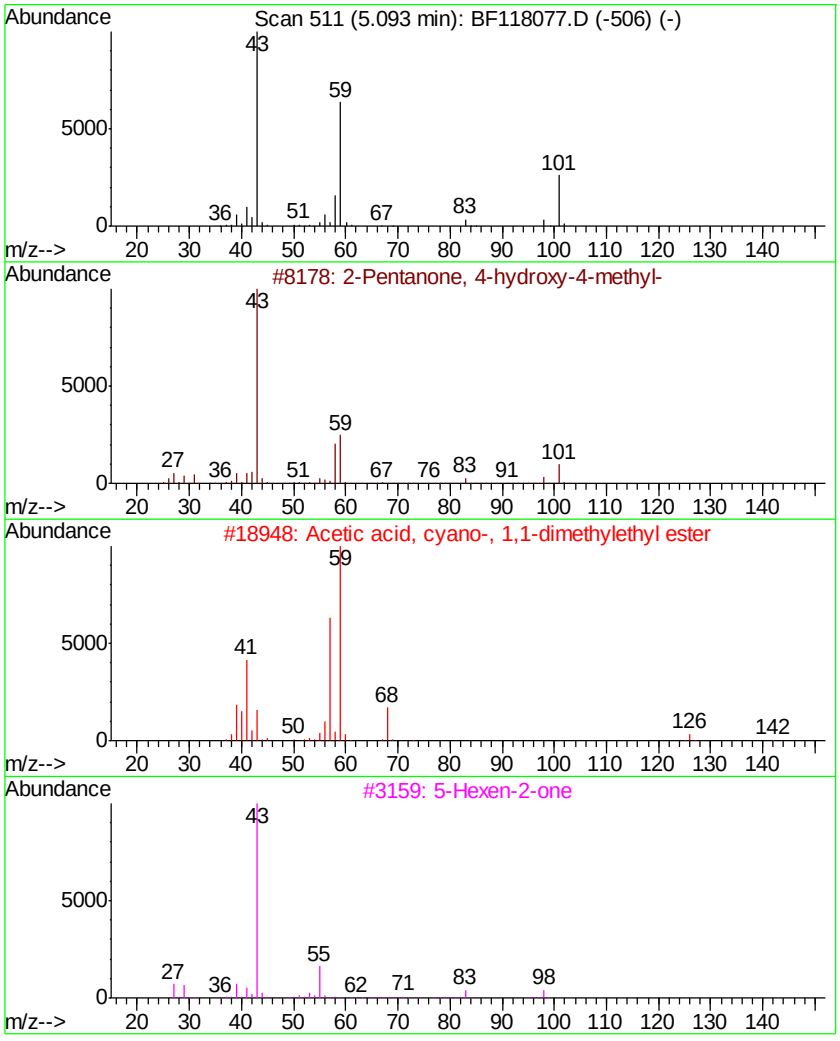
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

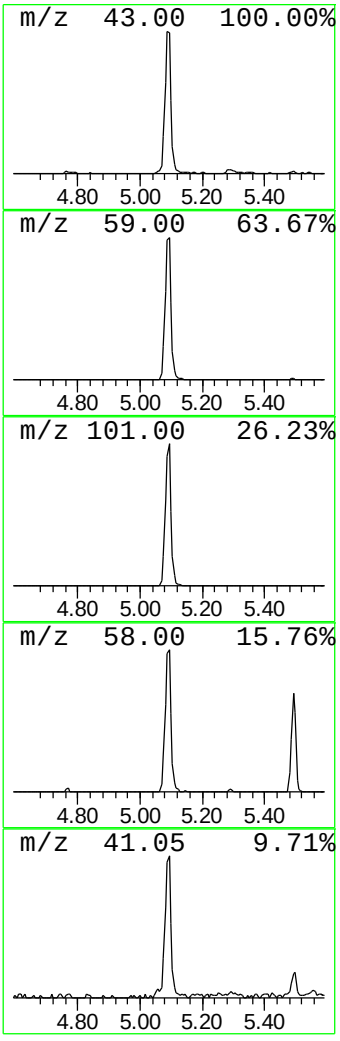
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.09	13.91 ng	559964	1,4-Dichlorobenzene-d4	6.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3	5-Hexen-2-one	98	C6H10O	000109-49-9	9
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9





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Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
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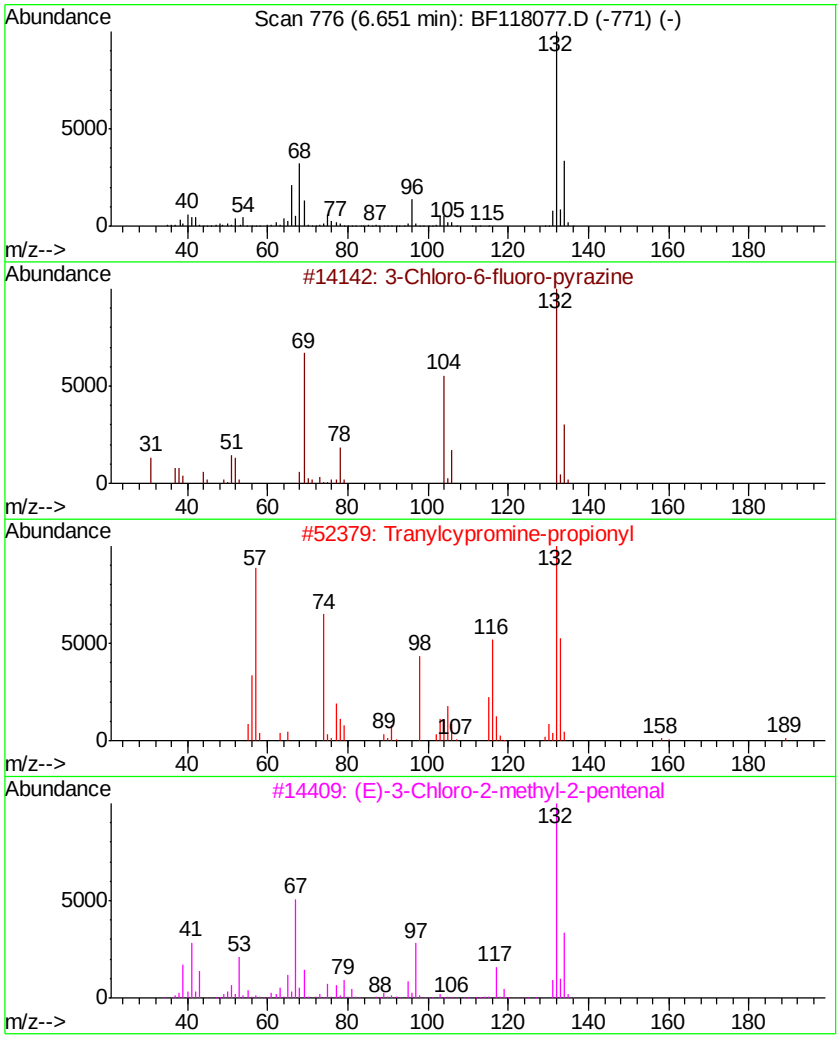
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

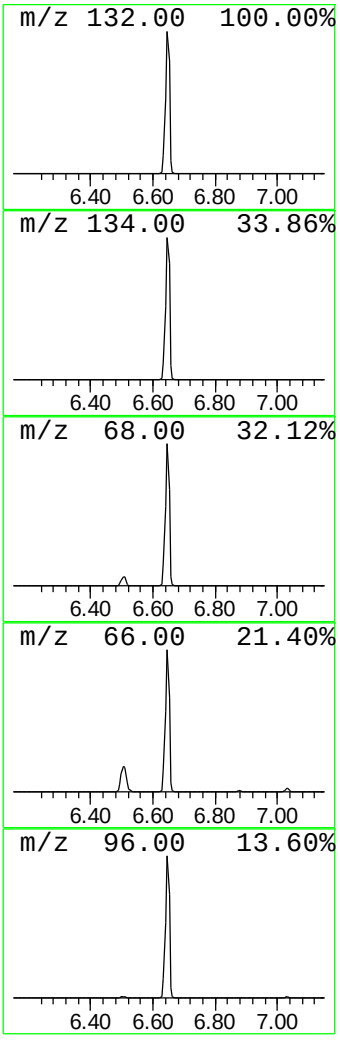
****

Peak Number 3 unknown6.65 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.65	77.49 ng	3120270	1,4-Dichlorobenzene-d4	6.87

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	5-Aminoindole	132	C8H8N2	005192-03-0	12
5	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9





Library Search Compound Report

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TIC Library : C:\DATABASE\NIST11.L
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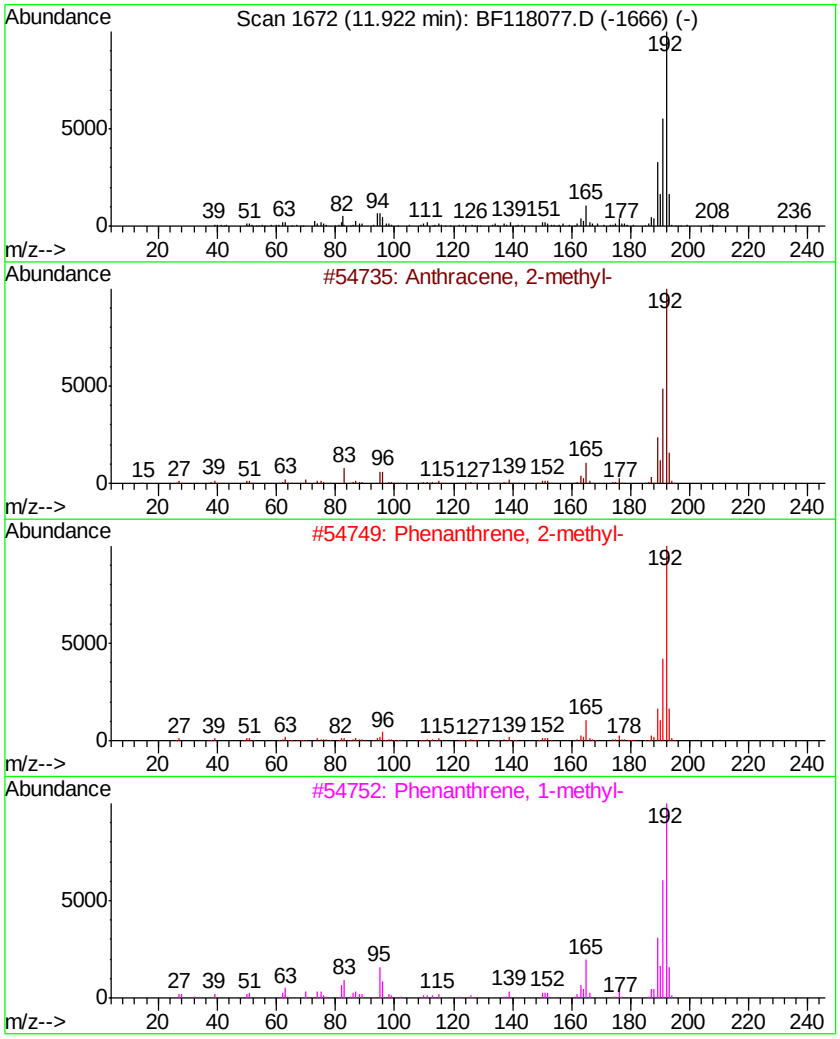
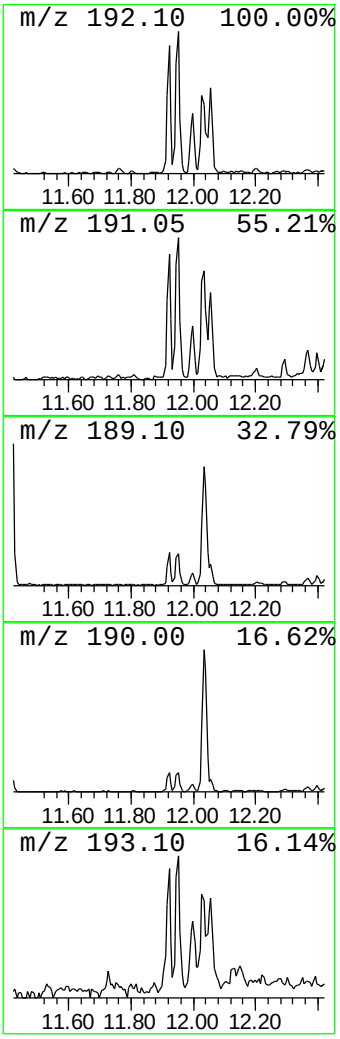
Peak Number 5 Anthracene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	3.45 ng	184780	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Misc :
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Instrument :
BNA_F
ClientSampleId :
COMPOSITE-BIN-5-SOIL-PILE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.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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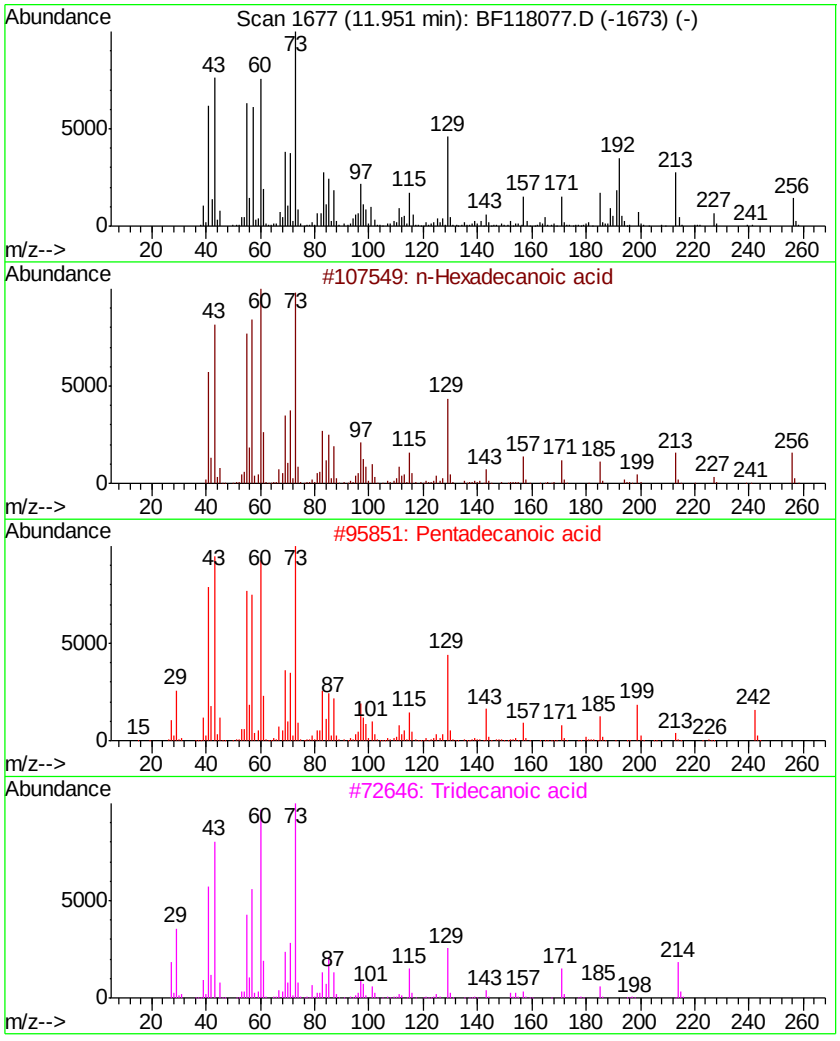
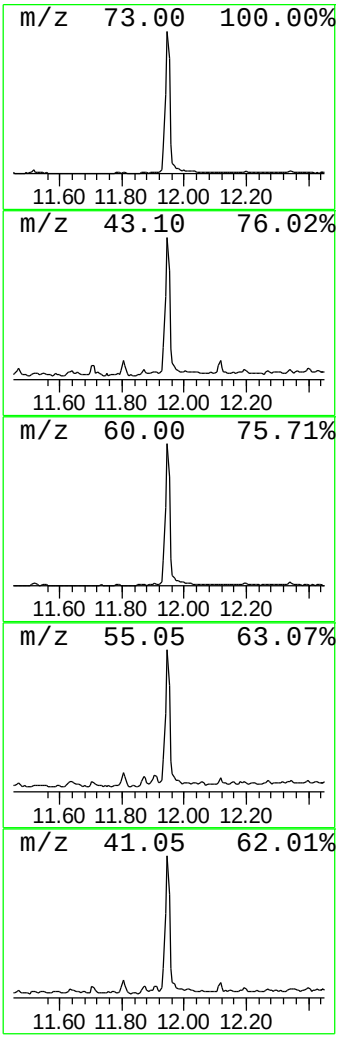
Peak Number 6 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	26.35 ng	1411170	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
3	Tridecanoic acid	214	C13H26O2	000638-53-9	91
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	90
5	n-Decanoic acid	172	C10H20O2	000334-48-5	68





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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-BIN-5-SOIL-PILE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.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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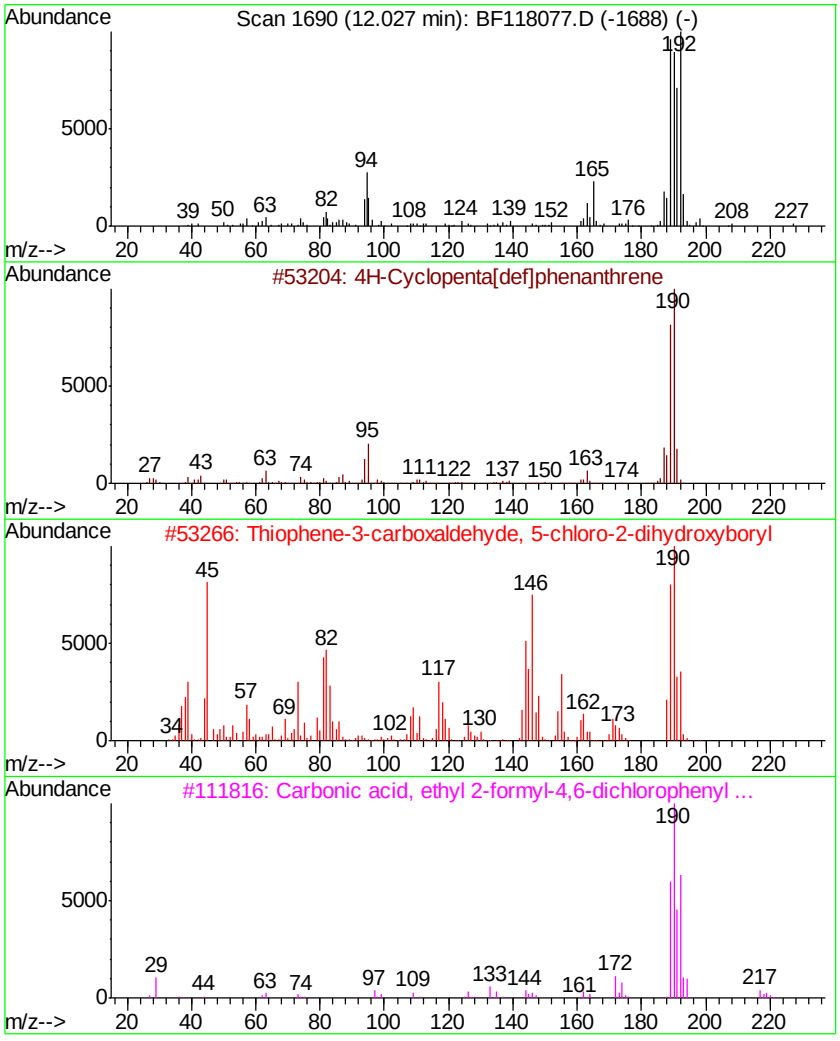
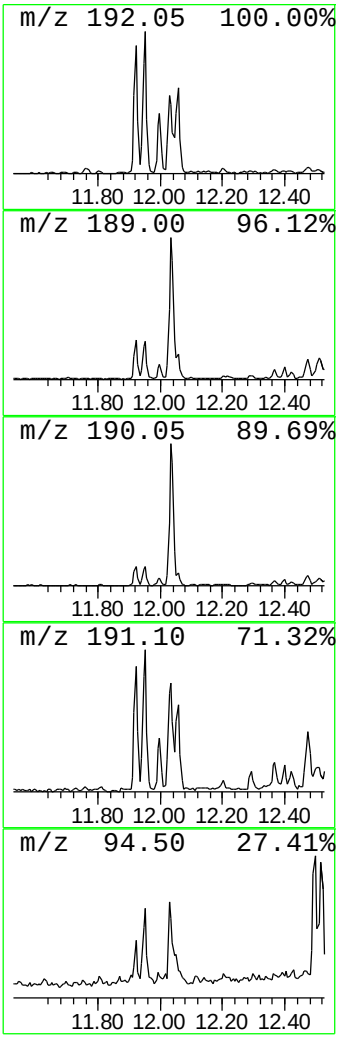
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	4.73 ng	253476	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	58
3	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	42





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Sample : K6076-01
Misc :
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ClientSampleId : COMPOSITE-BIN-5-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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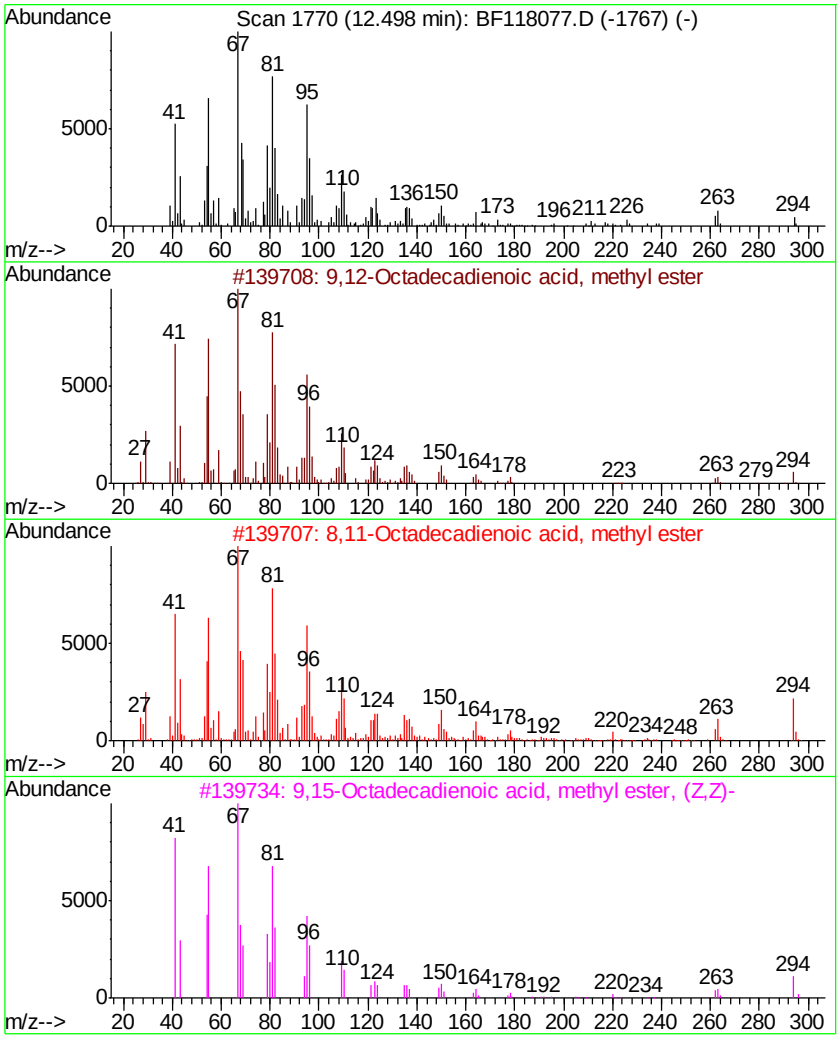
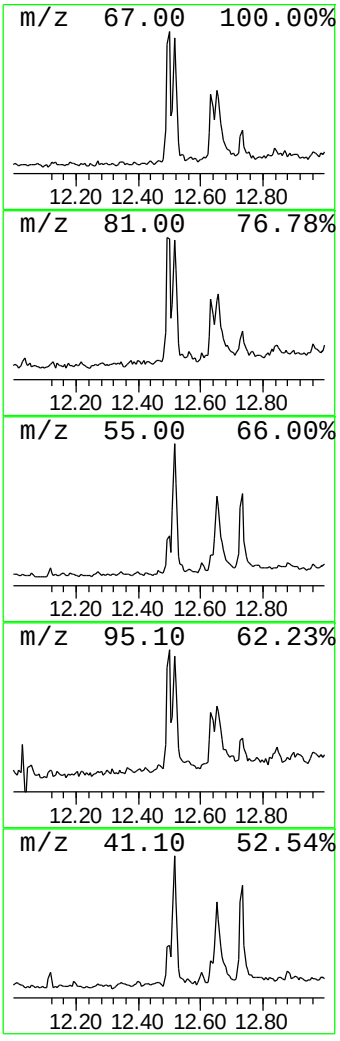
Peak Number 8 9,12-Octadecadienoic acid, ... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	6.15 ng	329392	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99
2	8,11-Octadecadienoic acid, methy...	294	C19H34O2	056599-58-7	96
3	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	95
4	9,12-Octadecadienoic acid (Z,Z)-	280	C18H32O2	000060-33-3	94
5	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	94





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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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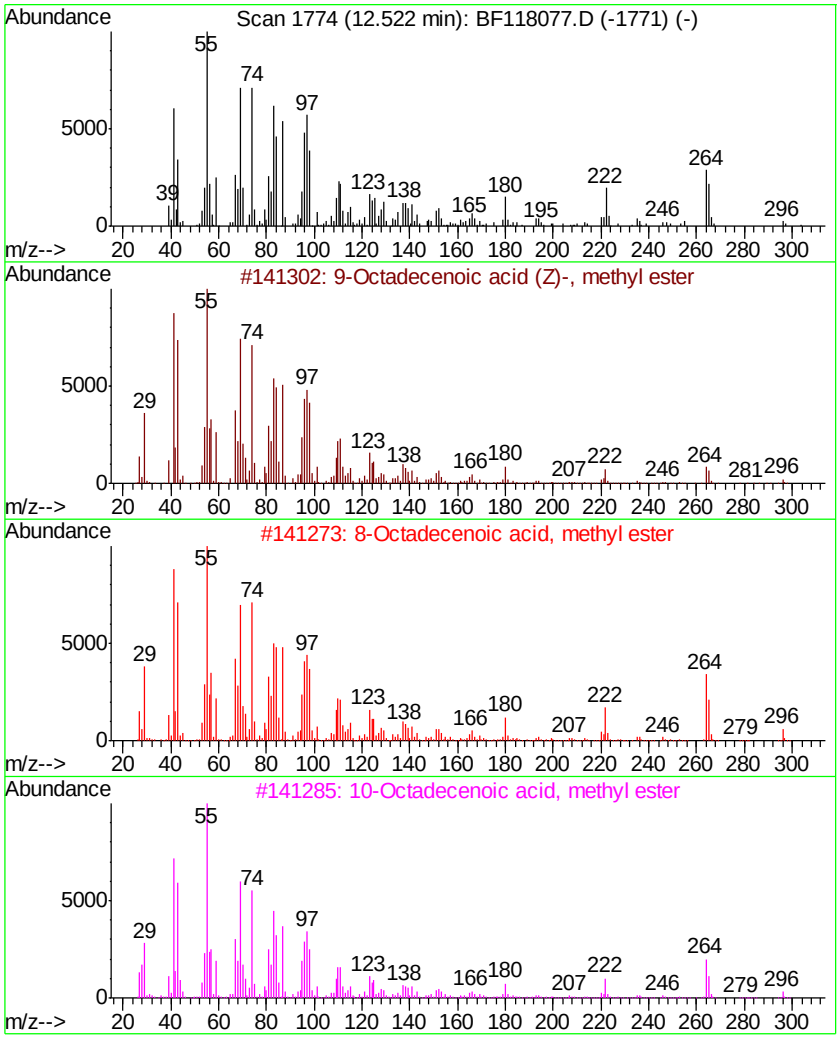
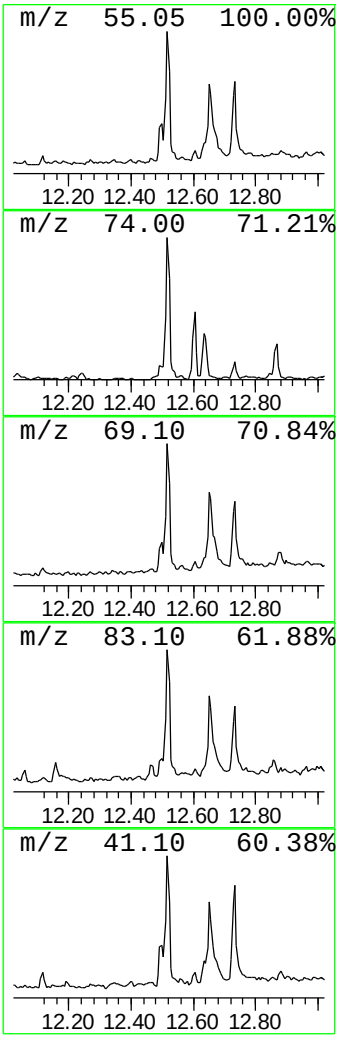
Peak Number 9 9-Octadecenoic acid (Z)-, m... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	15.13 ng	810395	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	99
2	8-Octadecenoic acid, methyl ester	296	C19H36O2	002345-29-1	99
3	10-Octadecenoic acid, methyl ester	296	C19H36O2	013481-95-3	99
4	15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	99
5	11-Octadecenoic acid, methyl est...	296	C19H36O2	001937-63-9	99





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ClientSampleId : COMPOSITE-BIN-5-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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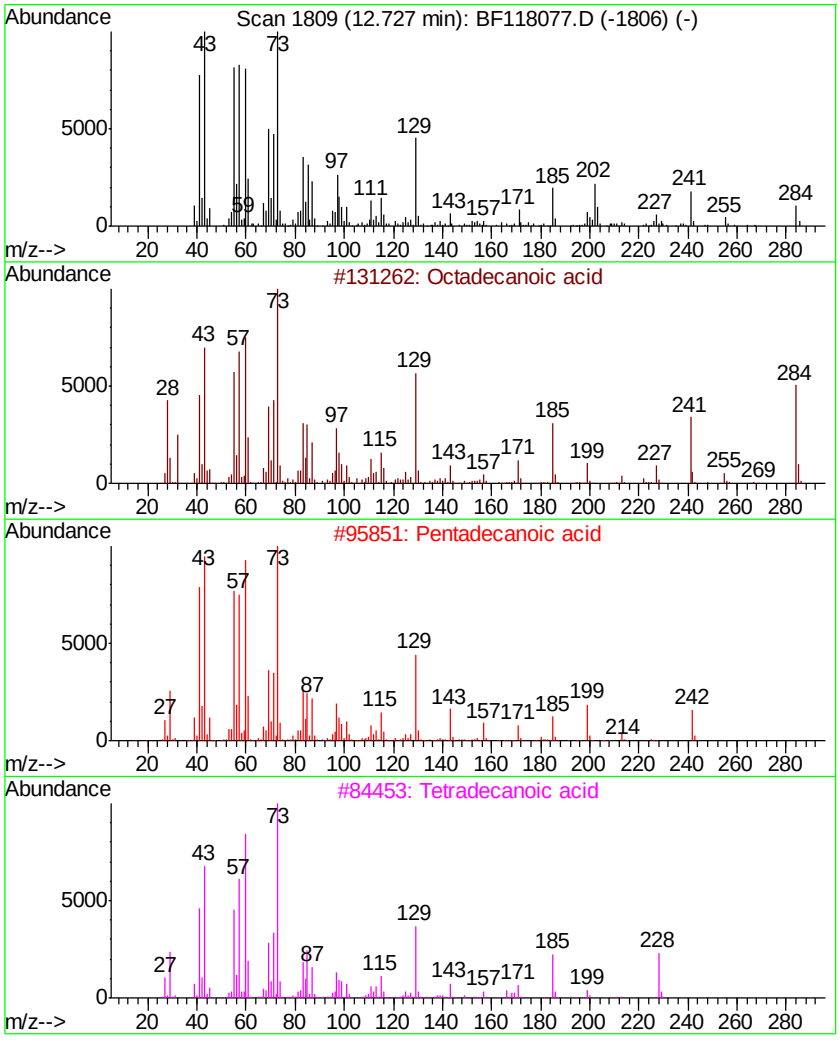
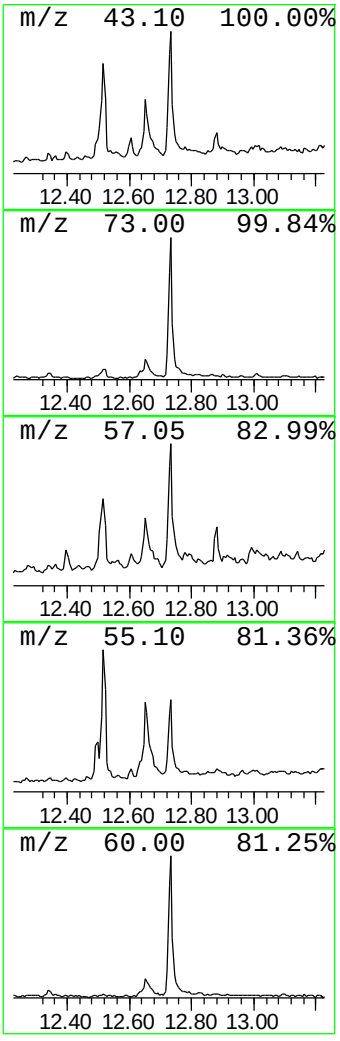
Peak Number 10 Octadecanoic acid Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.73	11.31 ng	606050	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	83
4	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	72
5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	72





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ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMPOSITE-BIN-5-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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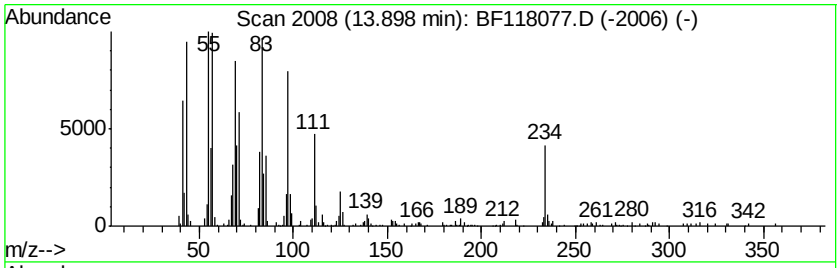
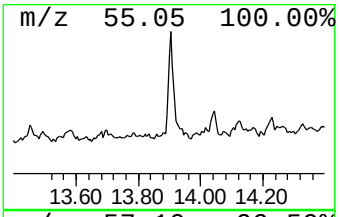
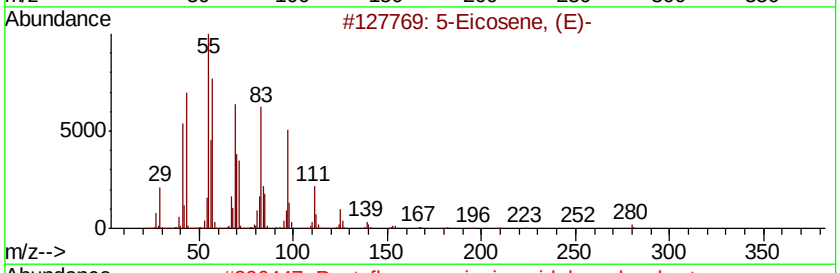
Peak Number 11 5-Eicosene, (E)- Concentration Rank 12

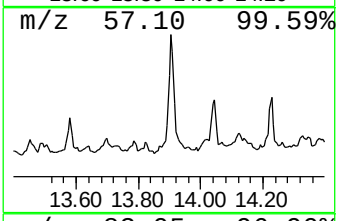
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.90	6.65 ng	644669	Chrysene-d12	14.07

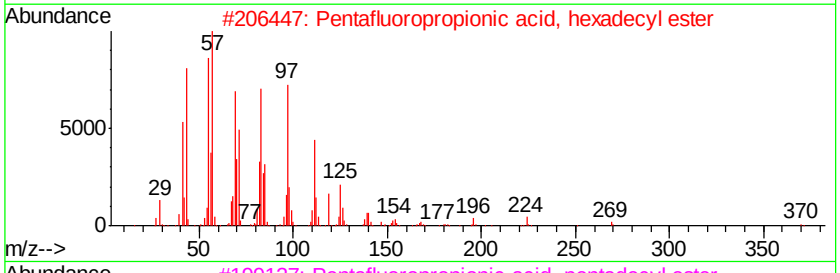
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	97
2	Pentafluoropropionic acid, hexad...	388	C19H33F5O2	006222-07-7	93
3	Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	93
4	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	93
5	Octacosanol	410	C28H58O	000557-61-9	93

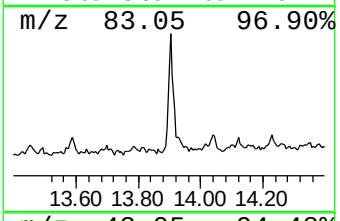


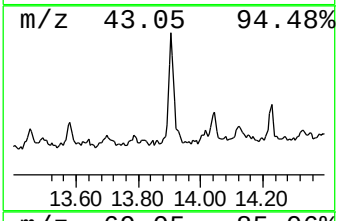


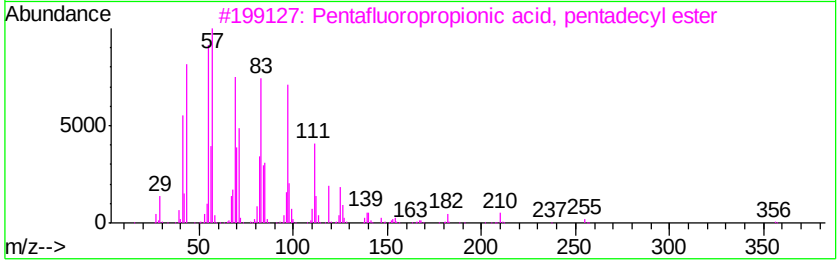


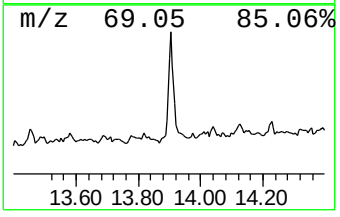












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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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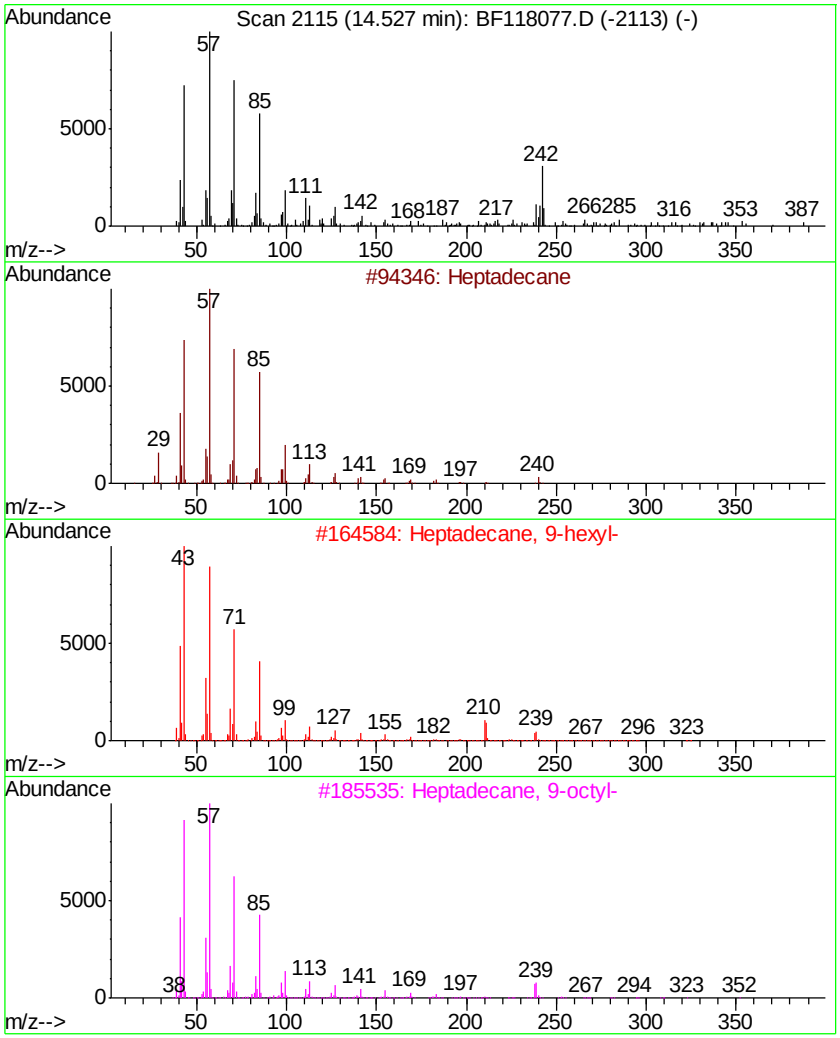
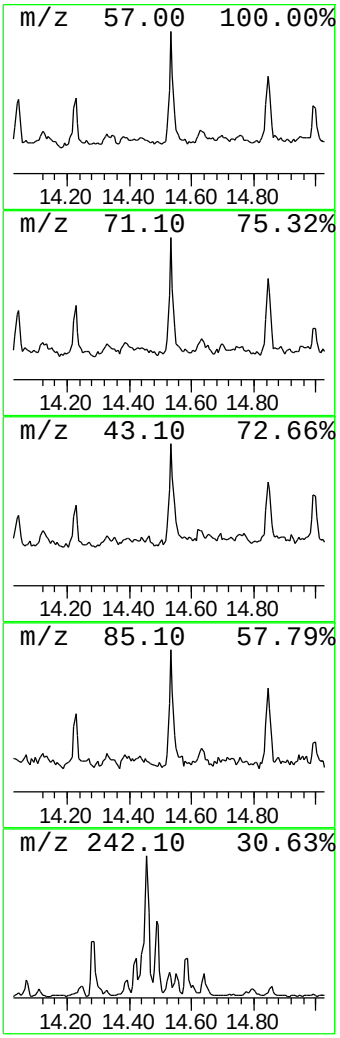
Peak Number 12 Heptadecane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.53	3.85 ng	373101	Chrysene-d12	14.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	95
2	Heptadecane, 9-hexyl-	324	C23H48	055124-79-3	90
3	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	90
4	2-Bromo dodecane	248	C12H25Br	013187-99-0	89
5	10-Methylnonadecane	282	C20H42	056862-62-5	83





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Instrument :
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ClientSampleId :
COMPOSITE-BIN-5-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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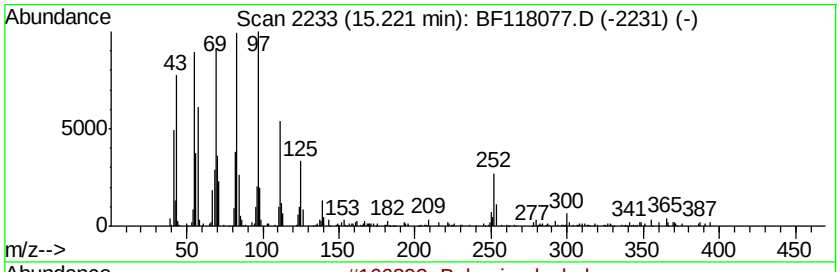
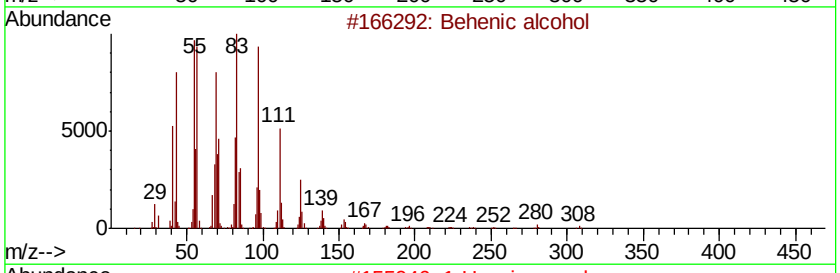
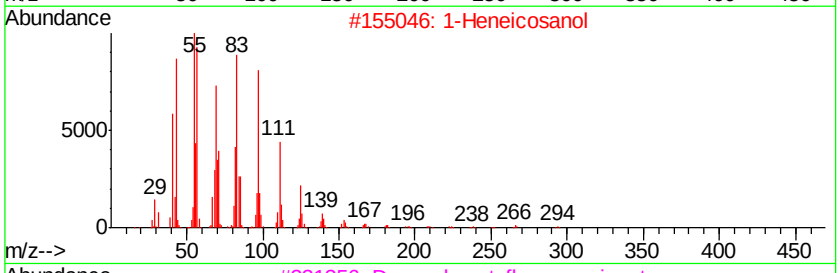
Peak Number 13 Behenic alcohol Concentration Rank 9

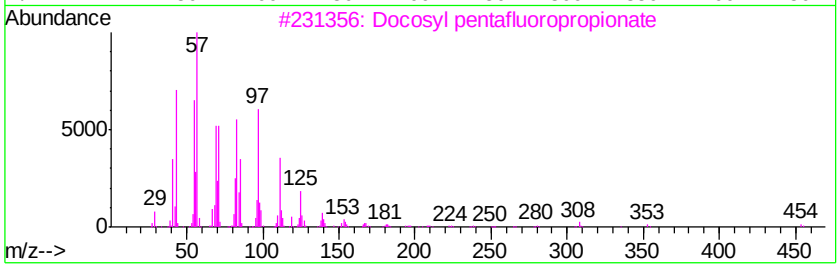
R.T.	EstConc	Area	Relative to ISTD	R.T.
15.22	9.87 ng	547237	Perylene-d12	15.57

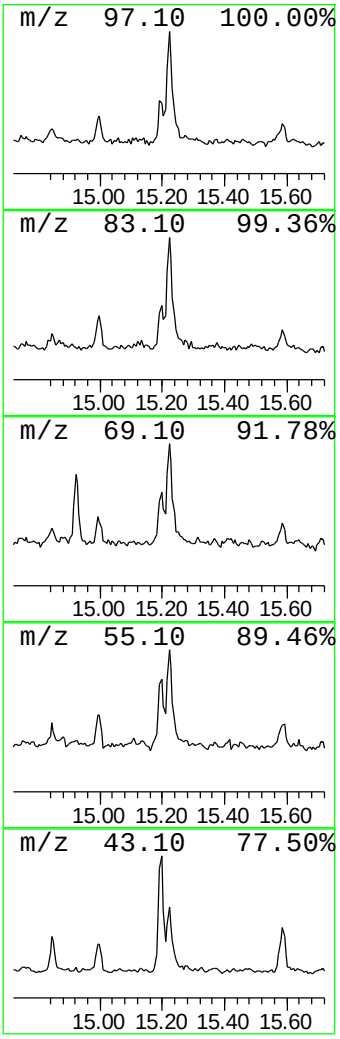
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Behenic alcohol	326	C22H46O	000661-19-8	91
2	1-Heneicosanol	312	C21H44O	015594-90-8	90
3	Docosyl pentafluoropropionate	472	C25H45F5O2	1000351-80-9	76
4	1-Heptacosanol	396	C27H56O	002004-39-9	72
5	Octadecyl trifluoroacetate	366	C20H37F3O2	079392-43-1	68











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ALS Vial : 20 Sample Multiplier: 1

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ClientSampleId : COMPOSITE-BIN-5-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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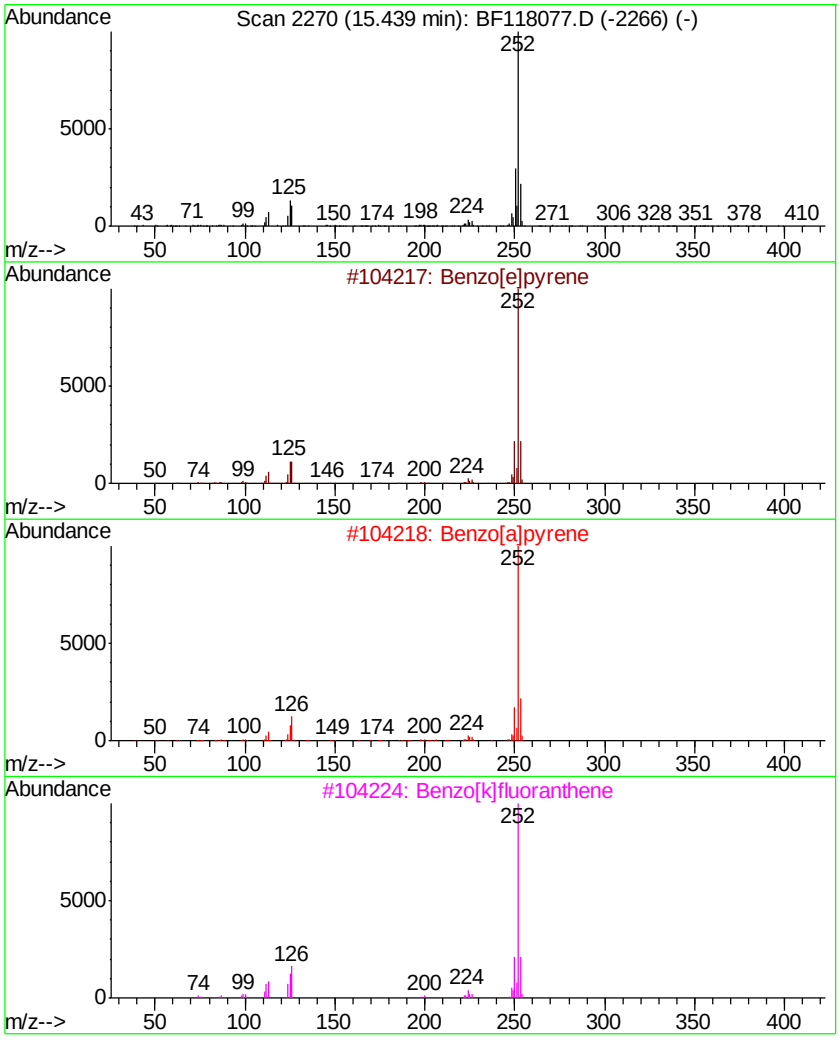
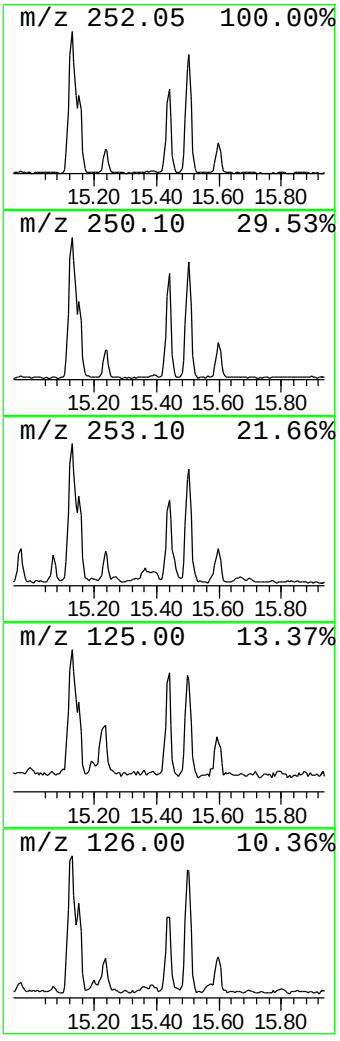
Peak Number 14 Benzo[e]pyrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.44	9.34 ng	518203	Perylene-d12	15.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[a]pyrene	252	C20H12	000050-32-8	97
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
4	Perylene	252	C20H12	000198-55-0	96
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95





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Instrument : BNA_F
ClientSampleId : COMPOSITE-BIN-5-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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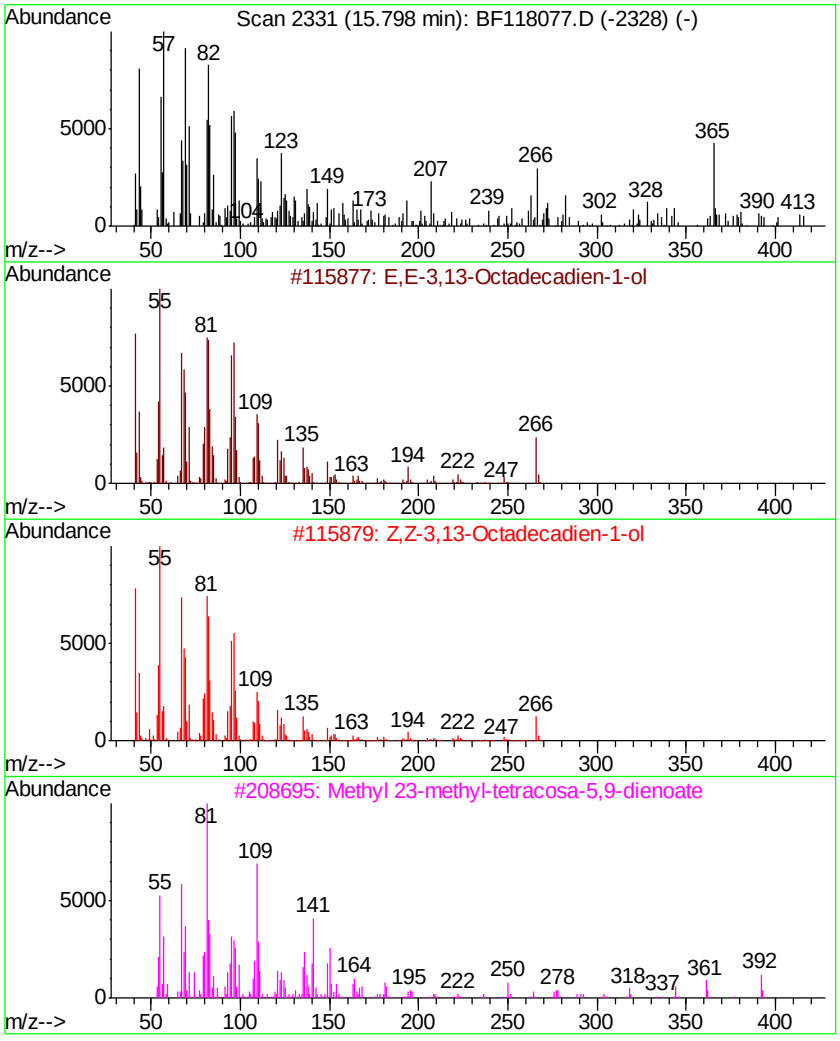
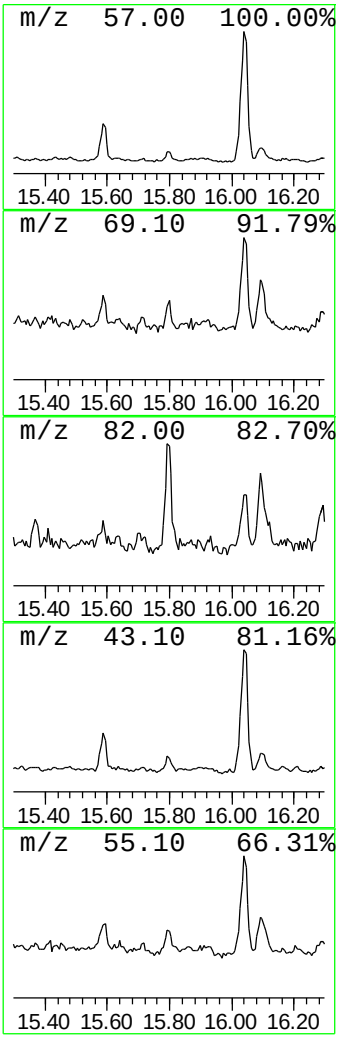
Peak Number 15 unknown15.80 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.80	3.44 ng	190821	Perylene-d12	15.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	E,E-3,13-Octadecadien-1-ol	266	C18H34O	1000131-08-9	41
2	Z,Z-3,13-Octadecadien-1-ol	266	C18H34O	1000131-10-9	38
3	Methyl 23-methyl-tetracosa-5,9-d...	392	C26H48O2	1000336-21-2	37
4	1,22-Docosanediol	342	C22H46O2	022513-81-1	25
5	1-Iododec-1-ene	266	C10H19I	1000192-68-7	22





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TIC Integration Parameters: LSCINT.P

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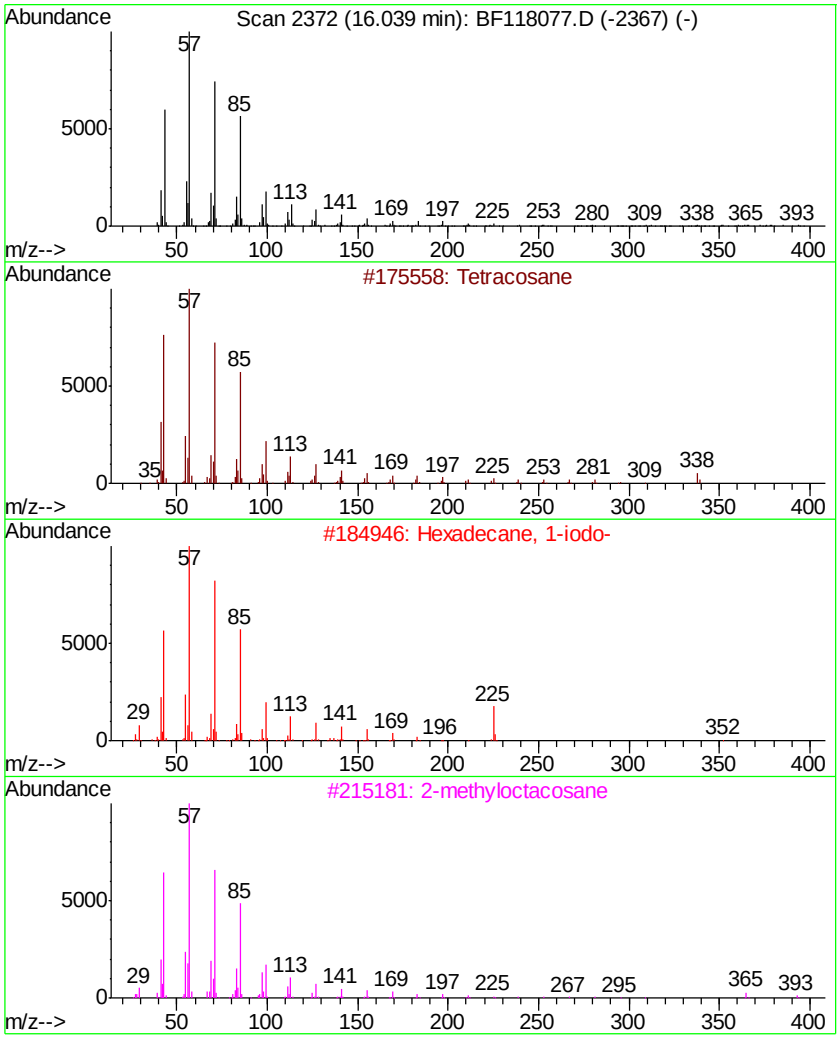
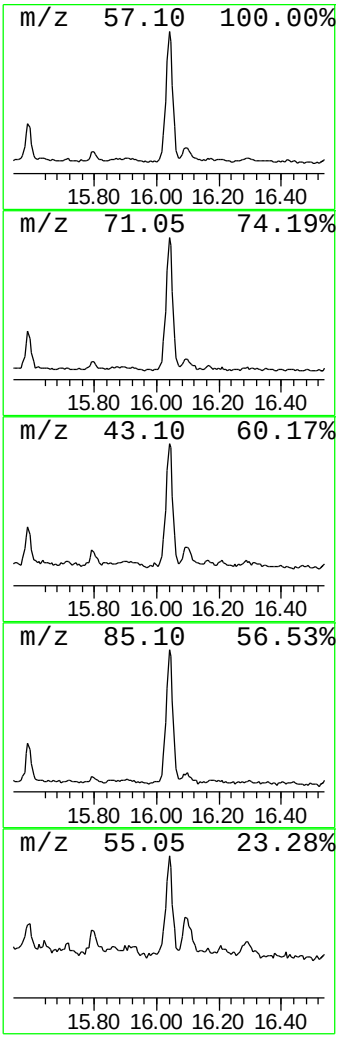
Peak Number 16 Tetracosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.04	16.80 ng	931983	Perylene-d12	15.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	97
2	Hexadecane, 1-iodo-	352	C16H33I	000544-77-4	93
3	2-methyloctacosane	408	C29H60	1000376-72-8	91
4	Heneicosane	296	C21H44	000629-94-7	91
5	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91





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Data File : BF118077.D
Acq On : 3 Dec 2019 22:12
Operator : JU
Sample : K6076-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMPOSITE-BIN-5-SOIL-PILE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

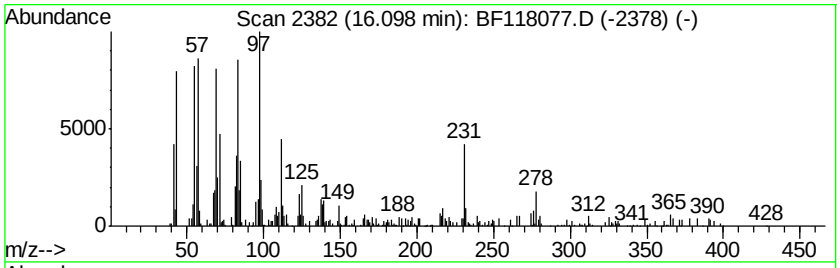
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

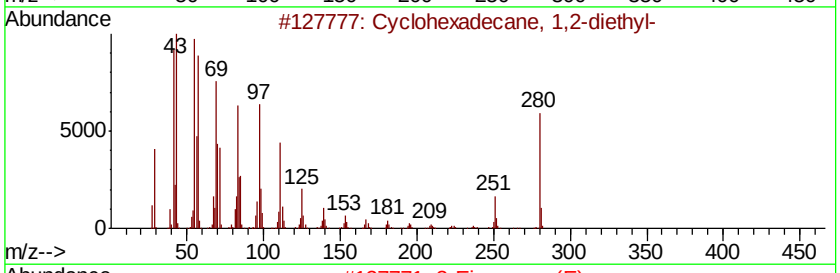
****

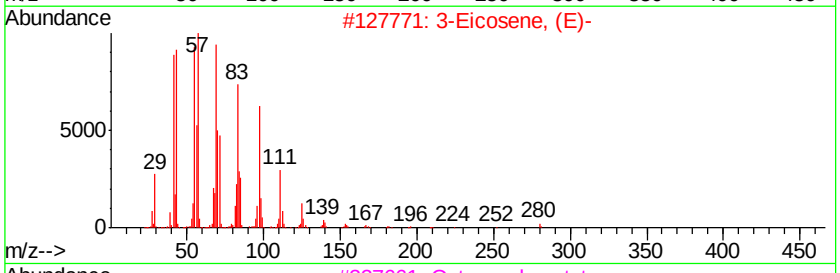
Peak Number 17 Cyclohexadecane, 1,2-diethyl- Concentration Rank 17

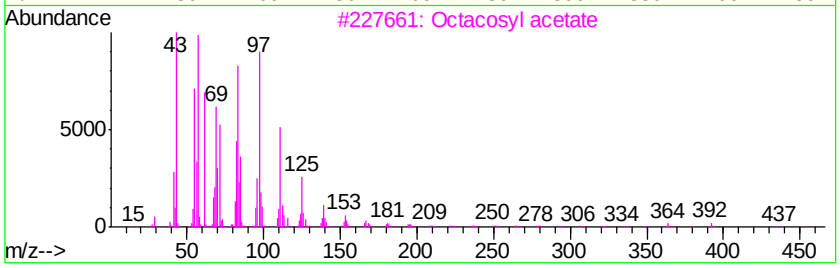
R.T.	EstConc	Area	Relative to ISTD	R.T.
16.10	4.12 ng	228727	Perylene-d12	15.57

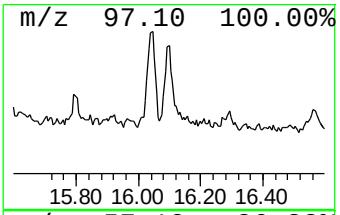
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane, 1,2-diethyl-	280	C20H40	1000155-85-3	86
2	3-Eicosene, (E)-	280	C20H40	074685-33-9	78
3	Octacosyl acetate	452	C30H60O2	018206-97-8	78
4	1-Eicosene	280	C20H40	003452-07-1	70
5	Octadecane, 1-(ethenyloxy)-	296	C20H40O	000930-02-9	46

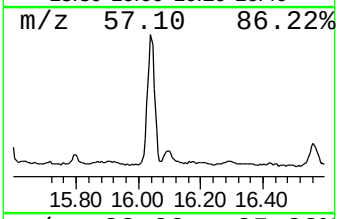


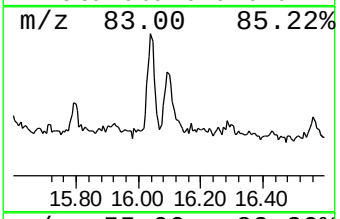


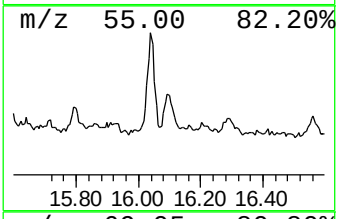


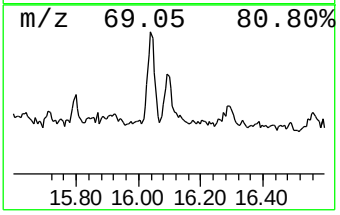












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Instrument : BNA_F
ClientSampleId : COMPOSITE-BIN-5-SOIL-PILE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.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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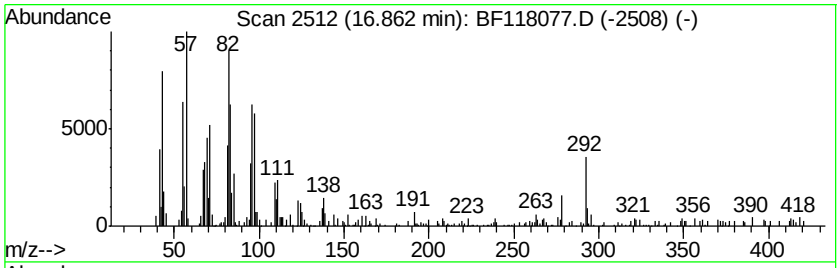
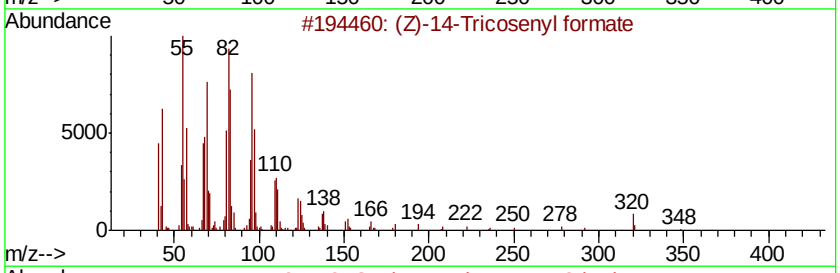
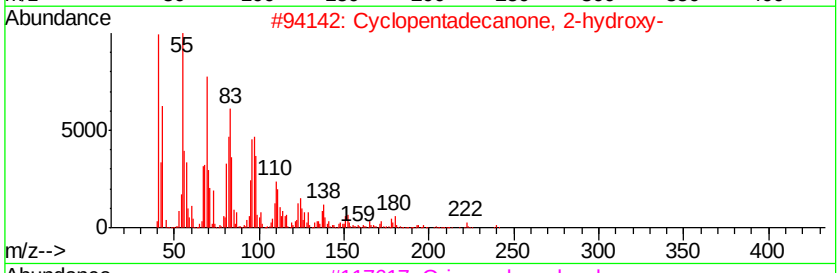
Peak Number 18 (Z)-14-Tricosenyl formate Concentration Rank 14

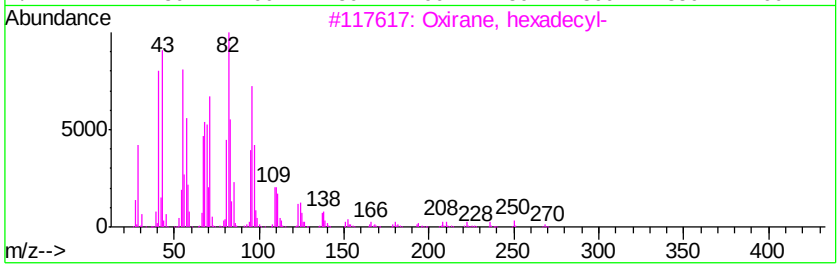
R.T.	EstConc	Area	Relative to ISTD	R.T.
16.86	5.94 ng	329613	Perylene-d12	15.57

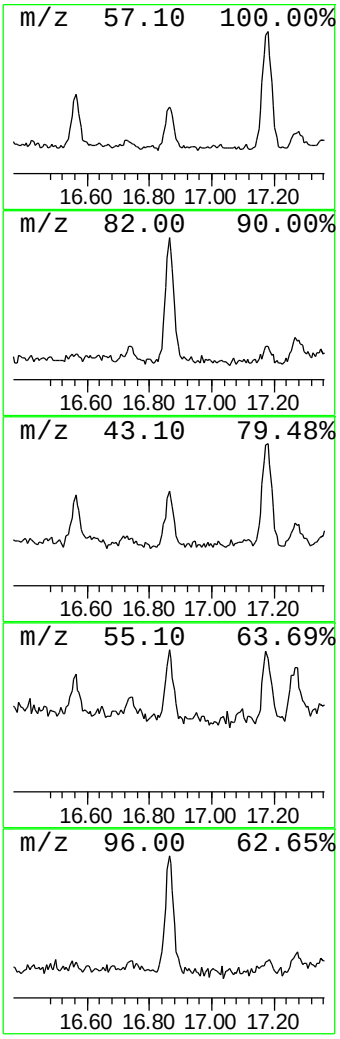
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(Z)-14-Tricosenyl formate	366	C24H46O2	077899-10-6	68
2	Cyclopentadecanone, 2-hydroxy-	240	C15H28O2	004727-18-8	60
3	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	58
4	Tetradecanal	212	C14H28O	000124-25-4	49
5	E-11(13-Methyl)tetradecen-1-ol a...	268	C17H32O2	1000130-80-4	49











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Data File : BF118077.D
Acq On : 3 Dec 2019 22:12
Operator : JU
Sample : K6076-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-BIN-5-SOIL-PILE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.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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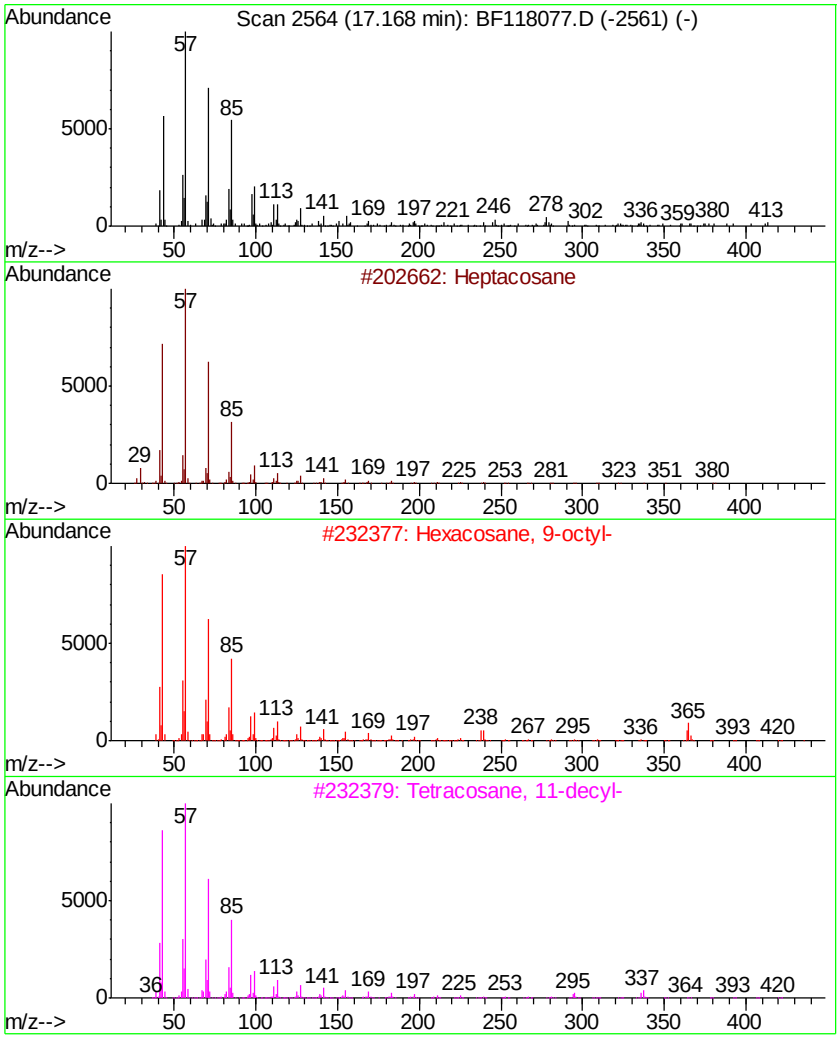
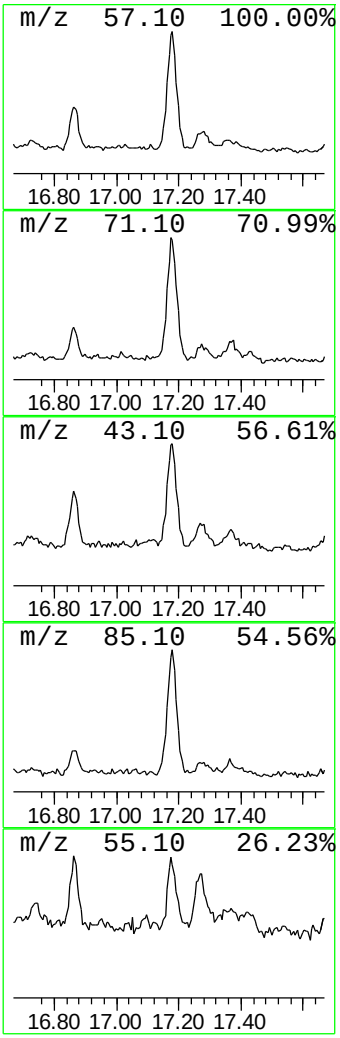
Peak Number 19 Heptacosane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.17	9.11 ng	505477	Perylene-d12	15.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	91
2	Hexacosane, 9-octyl-	479	C34H70	055429-83-9	91
3	Tetracosane, 11-decyl-	479	C34H70	055429-84-0	91
4	2-methylhexacosane	380	C27H56	1000376-72-7	91
5	Heneicosane, 11-(1-ethylpropyl)-	366	C26H54	055282-11-6	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120319\
Data File : BF118077.D
Acq On : 3 Dec 2019 22:12
Operator : JU
Sample : K6076-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : COMPOSITE-BIN-5-SOIL-PILE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.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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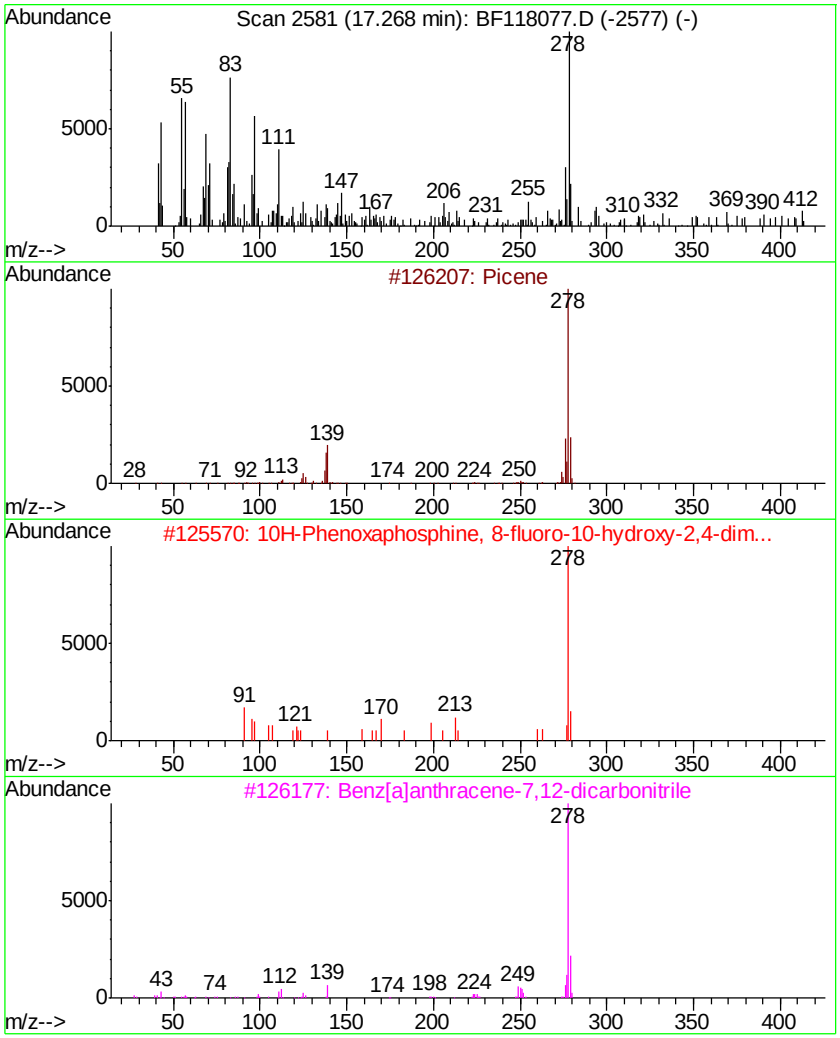
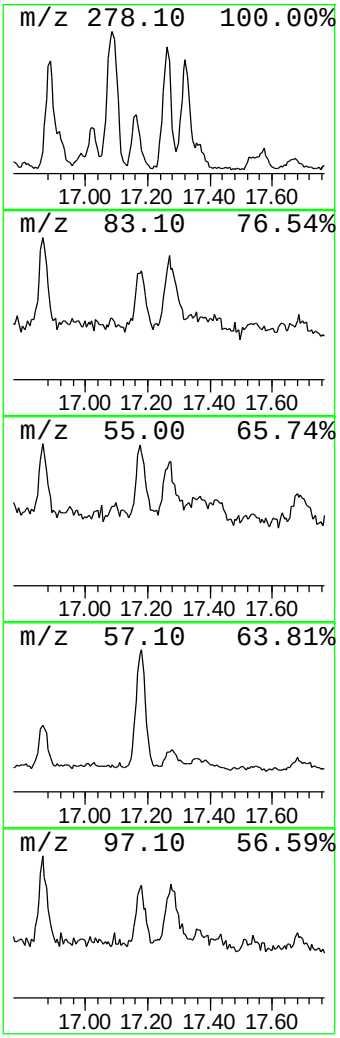
Peak Number 20 unknown17.27 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.27	4.66 ng	258513	Perylene-d12	15.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Picene	278	C22H14	000213-46-7	46
2	10H-Phenoxaphosphine, 8-fluoro-1...	278	C14H12FO3P	037041-13-7	45
3	Benz[a]anthracene-7,12-dicarboni...	278	C20H10N2	035215-32-8	38
4	Benzo[b]triphenylene	278	C22H14	000215-58-7	38
5	Dibenzo[b,h][1,6]naphthyridine, ...	278	C17H11ClN2	004240-91-9	38





Tentatively Identified Compound (LSC) summary

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Data File : BF118077.D
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Operator : JU
Sample : K6076-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

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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
Butane, 2-methoxy...	2.16	28.8	ng	1159910	1	6.87	805290	20.0
2-Pentanone, 4-hy...	5.09	13.9	ng	559964	1	6.87	805290	20.0
unknown6.65	6.65	77.5	ng	3120270	1	6.87	805290	20.0
Anthracene, 2-met...	11.92	3.5	ng	184780	4	11.42	1071290	20.0
n-Hexadecanoic acid	11.95	26.4	ng	1411170	4	11.42	1071290	20.0
4H-Cyclopenta[def...	12.03	4.7	ng	253476	4	11.42	1071290	20.0
9,12-Octadecadien...	12.50	6.2	ng	329392	4	11.42	1071290	20.0
9-Octadecenoic ac...	12.52	15.1	ng	810395	4	11.42	1071290	20.0
Octadecanoic acid	12.73	11.3	ng	606050	4	11.42	1071290	20.0
5-Eicosene, (E)-	13.90	6.7	ng	644669	5	14.07	1940190	20.0
Heptadecane	14.53	3.9	ng	373101	5	14.07	1940190	20.0
Behenic alcohol	15.22	9.9	ng	547237	6	15.57	1109350	20.0
Benzo[e]pyrene	15.44	9.3	ng	518203	6	15.57	1109350	20.0
unknown15.80	15.80	3.4	ng	190821	6	15.57	1109350	20.0
Tetracosane	16.04	16.8	ng	931983	6	15.57	1109350	20.0
Cyclohexadecane, ...	16.10	4.1	ng	228727	6	15.57	1109350	20.0
(Z)-14-Tricosenyl...	16.86	5.9	ng	329613	6	15.57	1109350	20.0
Heptacosane	17.17	9.1	ng	505477	6	15.57	1109350	20.0
unknown17.27	17.27	4.7	ng	258513	6	15.57	1109350	20.0