LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112719\
Data File : BF118042.D
Acq On : 27 Nov 2019 15:53
Operator : JU
Sample : K6021-06
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-004-E

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	2.151	4	11	18	rVB	583793	754840	22.33%	1.858%
2	5.087	501	510	520	rBV	449315	562630	16.64%	1.385%
3	5.498	575	580	583	rBV	2619087	2441505	72.23%	6.010%
4	6.510	747	752	765	rBV	2755500	2741940	81.11%	6.750%
5	6.651	771	776	779	rBV	3323422	2856754	84.51%	7.032%
6	6.881	812	815	819	rBV	1020663	794064	23.49%	1.955%
7	7.039	838	842	845	rBV	2878603	2278871	67.42%	5.610%
8	7.445	906	911	914	rBV	1995668	1719721	50.87%	4.233%
9	8.169	1030	1034	1037	rBV	1302507	1040642	30.79%	2.562%
10	9.245	1213	1217	1221	rBV	3582846	3380330	100.00%	8.321%
11	9.639	1281	1284	1288	rVB	498763	377901	11.18%	0.930%
12	9.933	1330	1334	1337	rBV	1583258	1246977	36.89%	3.070%
13	9.963	1337	1339	1343	rVB	106214	79801	2.36%	0.196%
14	10.133	1363	1368	1372	rBV2	37896	43598	1.29%	0.107%
15	10.480	1423	1427	1432	rBV	82732	80055	2.37%	0.197%
16	10.721	1464	1468	1472	rBV	2309066	2016558	59.66%	4.964%
17	10.845	1484	1489	1493	rVB4	47409	73713	2.18%	0.181%
18	11.027	1514	1520	1523	rBV3	41028	64551	1.91%	0.159%
19	11.057	1523	1525	1528	rVV2	46029	50502	1.49%	0.124%
20	11.116	1532	1535	1537	rVB	36421	34846	1.03%	0.086%
21	11.227	1551	1554	1558	rVB	59681	56636	1.68%	0.139%
22	11.280	1558	1563	1566	rBV2	120034	137920	4.08%	0.340%
23	11.321	1566	1570	1577	rVB	102972	112719	3.33%	0.277%
24	11.427	1584	1588	1590	rBV	1443218	1330658	39.36%	3.276%
25	11.451	1590	1592	1595	rVV	1275882	974322	28.82%	2.398%
26	11.498	1595	1600	1603	rVB	165555	181788	5.38%	0.447%
27	11.657	1621	1627	1634	rBV5	48759	113989	3.37%	0.281%
28	11.757	1641	1644	1647	rBV	93851	77562	2.29%	0.191%
29	11.839	1652	1658	1662	rVB3	62537	114014	3.37%	0.281%
30	11.927	1670	1673	1675	rBV	397631	372754	11.03%	0.918%
31	11.957	1675	1678	1681	rVV	526222	559748	16.56%	1.378%
32	12.004	1683	1686	1689	rVV	83283	84197	2.49%	0.207%
33	12.039	1689	1692	1694	rVV2	371173	391263	11.57%	0.963%
34	12.063	1694	1696	1701	rVB	287600	234610	6.94%	0.578%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112719\
Data File : BF118042.D
Acq On : 27 Nov 2019 15:53
Operator : JU
Sample : K6021-06
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-004-E

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

35	12.121	1702	1706	1710	rBV4	30002	43700	1.29%	0.108%
36	12.221	1720	1723	1725	rBV	143012	123422	3.65%	0.304%
37	12.245	1725	1727	1734	rVB2	146882	156512	4.63%	0.385%
38	12.298	1734	1736	1739	rBV	56715	43536	1.29%	0.107%
39	12.374	1747	1749	1752	rVB	119350	81131	2.40%	0.200%
40	12.404	1752	1754	1756	rBV	74636	56876	1.68%	0.140%
41	12.427	1756	1758	1761	rVB	50418	42680	1.26%	0.105%
42	12.480	1764	1767	1770	rBV	192123	192008	5.68%	0.473%
43	12.515	1770	1773	1775	rVV2	141890	158806	4.70%	0.391%
44	12.539	1775	1777	1779	rVV	65227	54188	1.60%	0.133%
45	12.568	1779	1782	1787	rVV2	140166	178484	5.28%	0.439%
46	12.645	1791	1795	1798	rVV	850318	731584	21.64%	1.801%
47	12.686	1799	1802	1804	rVV	65888	54192	1.60%	0.133%
48	12.733	1808	1810	1813	rVV3	96736	85164	2.52%	0.210%
49	12.774	1814	1817	1819	rVB	46948	45013	1.33%	0.111%
50	12.874	1828	1834	1840	rBV	1137474	1160111	34.32%	2.856%
51	12.927	1840	1843	1847	rVB3	60635	85104	2.52%	0.209%
52	13.015	1854	1858	1861	rBV	3495183	3113542	92.11%	7.664%
53	13.092	1868	1871	1875	rBV	122184	156056	4.62%	0.384%
54	13.180	1883	1886	1887	rBV2	95791	94571	2.80%	0.233%
55	13.204	1887	1890	1893	rVB	152345	156546	4.63%	0.385%
56	13.245	1894	1897	1899	rBV3	30006	35127	1.04%	0.086%
57	13.268	1899	1901	1904	rVV	111461	84188	2.49%	0.207%
58	13.310	1904	1908	1910	rVV	154127	155941	4.61%	0.384%
59	13.333	1910	1912	1915	rVB2	61318	50661	1.50%	0.125%
60	13.398	1921	1923	1926	rVB	106543	95882	2.84%	0.236%
61	13.433	1926	1929	1932	rBV	127382	117479	3.48%	0.289%
62	13.709	1973	1976	1981	rVB	106802	127248	3.76%	0.313%
63	13.821	1992	1995	1998	rBV2	68261	82955	2.45%	0.204%
64	13.851	1998	2000	2002	rVV	82503	63051	1.87%	0.155%
65	13.874	2002	2004	2008	rVV2	58695	77302	2.29%	0.190%
66	13.915	2008	2011	2021	rVB4	289535	418481	12.38%	1.030%
67	14.074	2031	2038	2041	rBV2	1078554	1407281	41.63%	3.464%
68	14.104	2041	2043	2048	rVB	369796	325942	9.64%	0.802%
69	14.233	2063	2065	2073	rVB4	130320	180953	5.35%	0.445%
70	14.462	2102	2104	2107	rVB	119523	90178	2.67%	0.222%
71	14.498	2108	2110	2112	rVB	72037	54114	1.60%	0.133%

LSC Area Percent Report

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Acq On : 27 Nov 2019 15:53
Operator : JU
Sample : K6021-06
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-004-E

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

72	14.539	2114	2117	2122	rBV4	190788	214602	6.35%	0.528%
73	14.856	2167	2171	2174	rVB	193755	201119	5.95%	0.495%
74	14.933	2181	2184	2187	rBV2	85889	101181	2.99%	0.249%
75	15.127	2214	2217	2221	rBV	228131	325954	9.64%	0.802%
76	15.204	2226	2230	2234	rBV	225786	265059	7.84%	0.652%
77	15.445	2267	2271	2277	rVB	171288	211025	6.24%	0.519%
78	15.509	2278	2282	2288	rBV	184818	236158	6.99%	0.581%
79	15.574	2288	2293	2296	rBV	779614	1050349	31.07%	2.586%
80	16.051	2370	2374	2380	rVB	181670	281328	8.32%	0.693%
81	16.574	2460	2463	2470	rVB	105365	174397	5.16%	0.429%

Sum of corrected areas: 40623160

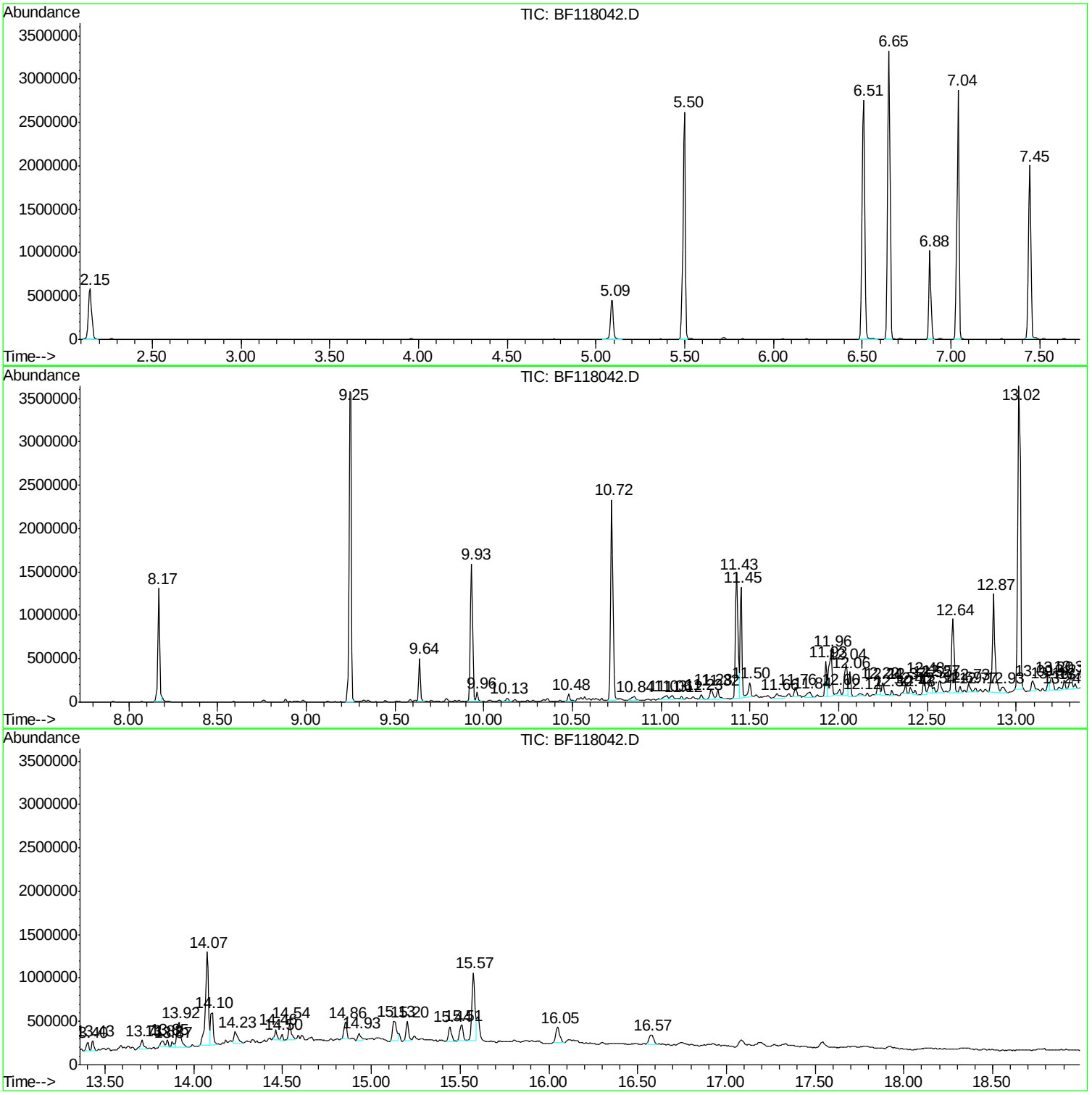
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112719\
Data File : BF118042.D
Acq On : 27 Nov 2019 15:53
Operator : JU
Sample : K6021-06
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SOIL-004-E

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\BF112719\
Data File : BF118042.D
Acq On : 27 Nov 2019 15:53
Operator : JU
Sample : K6021-06
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-004-E

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

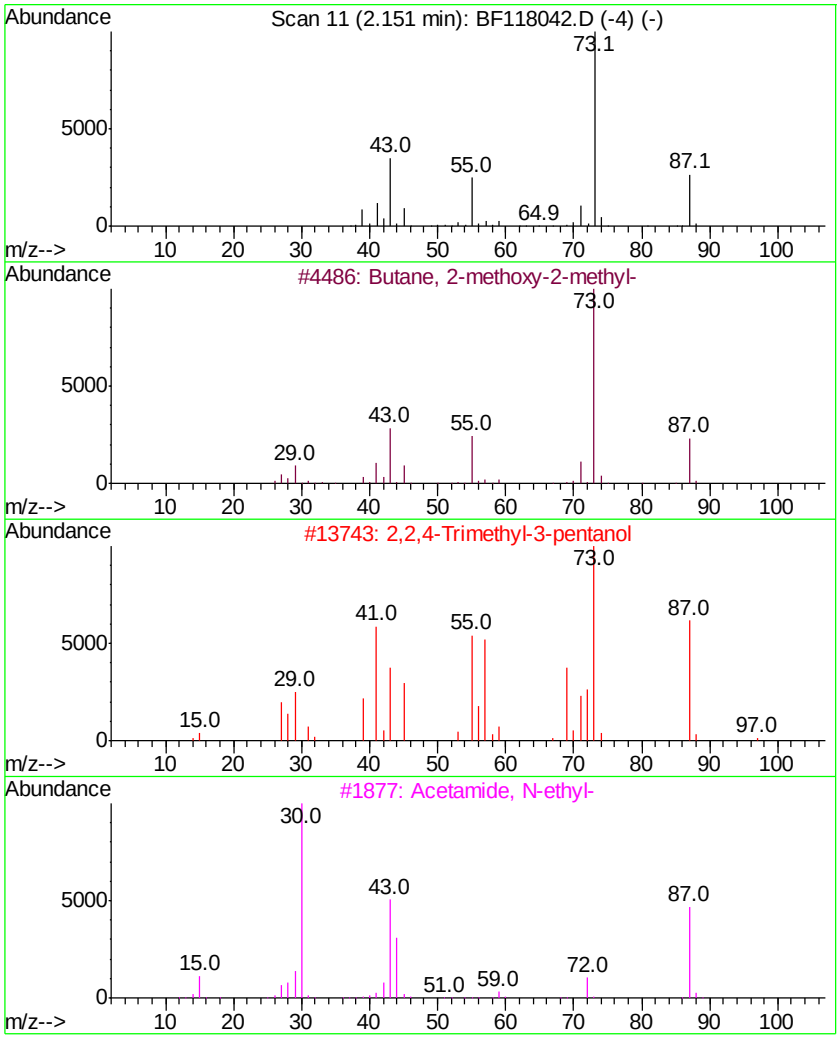
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

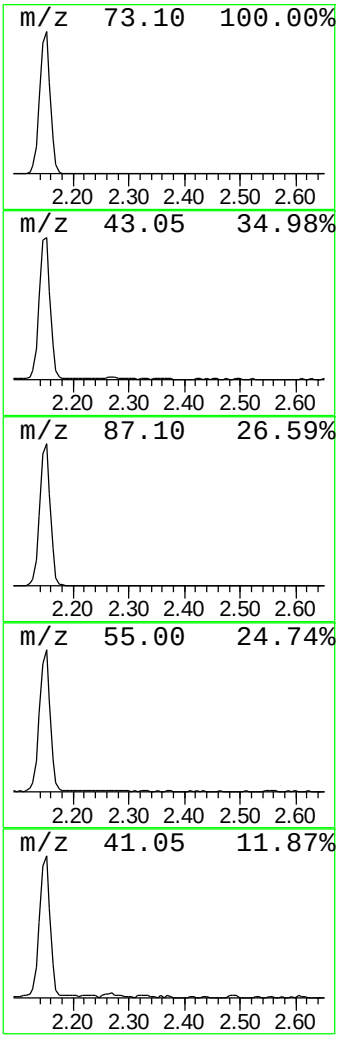
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.15	19.01 ng	754840	1,4-Dichlorobenzene-d4	6.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	56
3	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	22
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	12





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112719\
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Acq On : 27 Nov 2019 15:53
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Sample : K6021-06
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-004-E

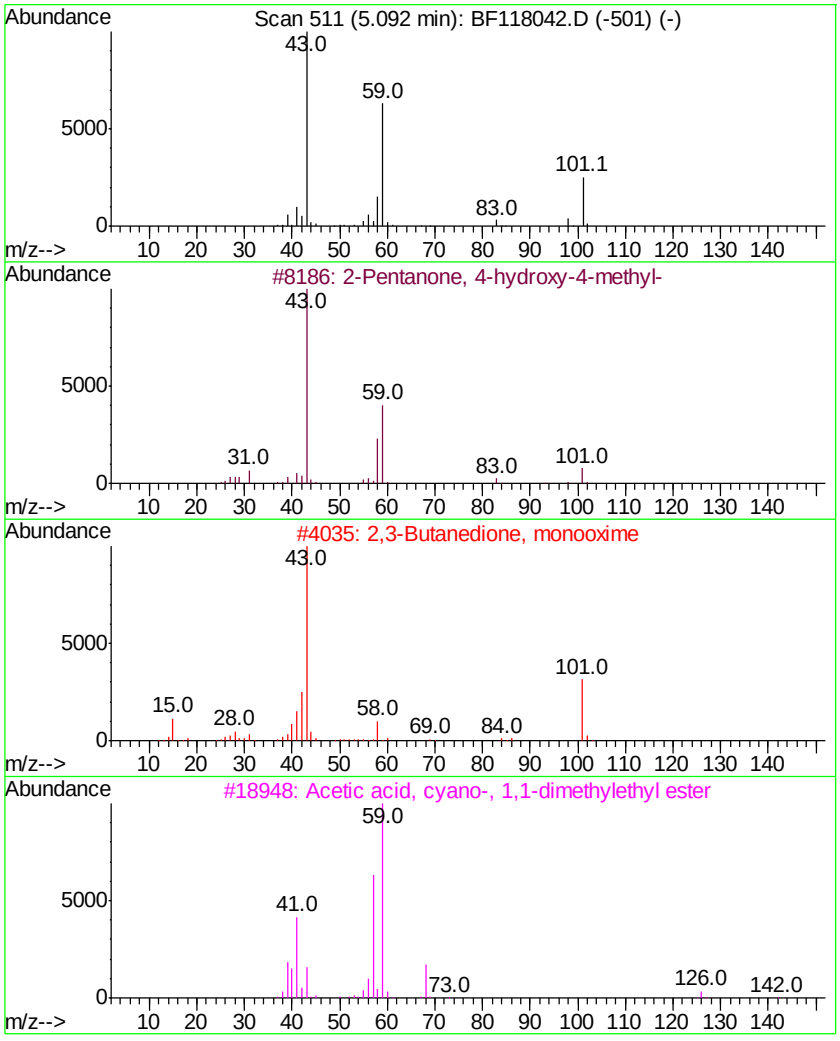
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

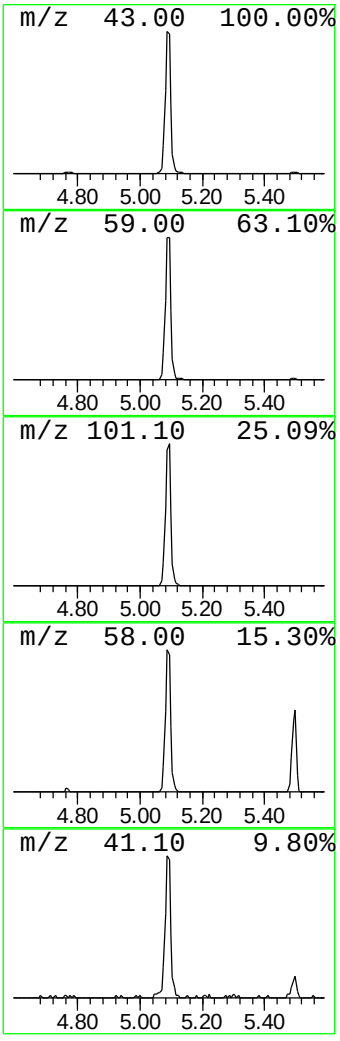
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.09	14.17 ng	562630	1,4-Dichlorobenzene-d4	6.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4	5-Hexen-2-one	98	C6H10O	000109-49-9	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112719\
Data File : BF118042.D
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Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-004-E

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

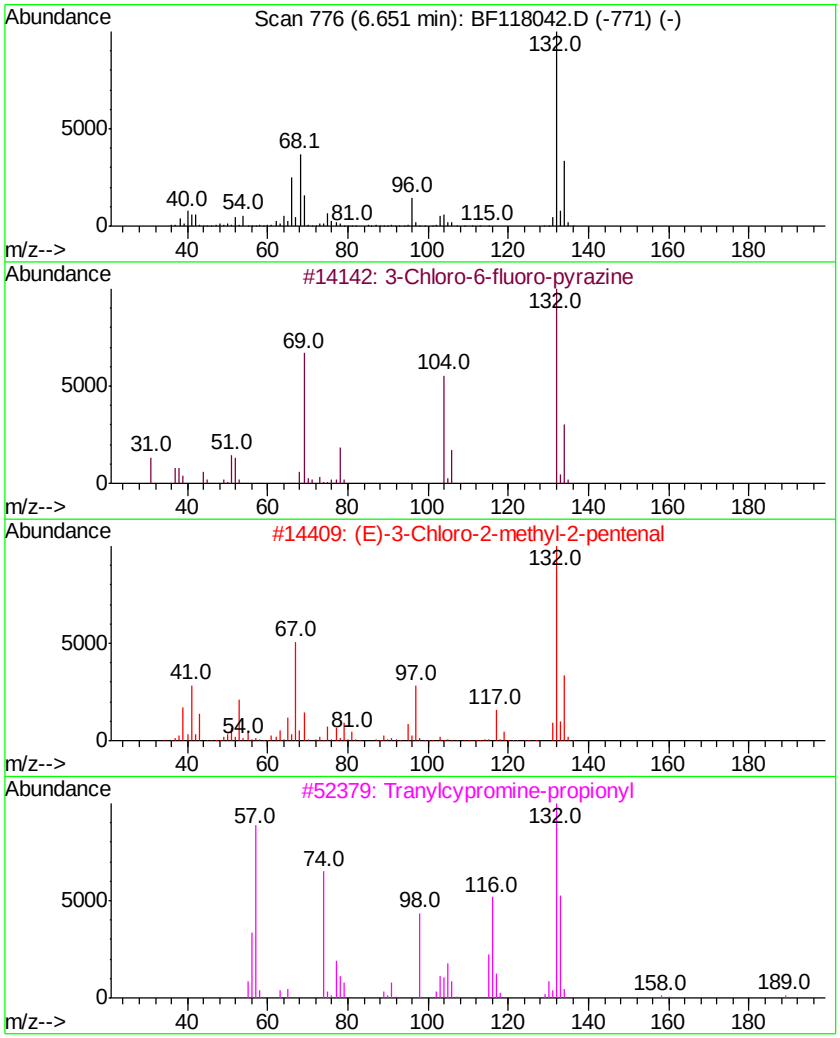
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

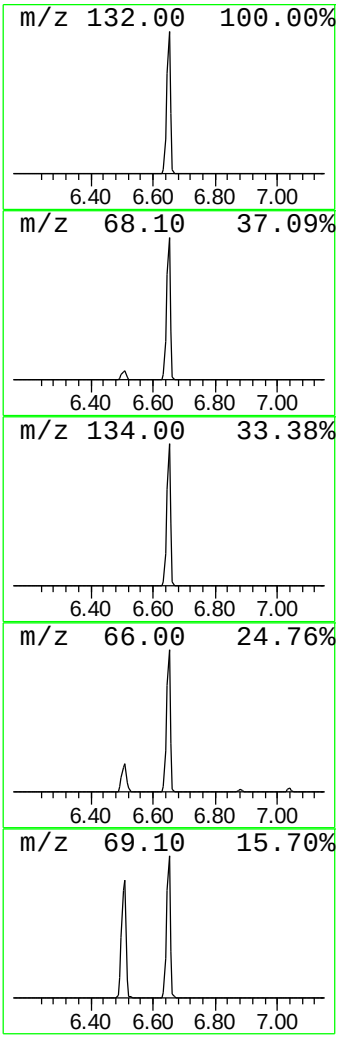
****

Peak Number 3 unknown6.65 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.65	71.95 ng	2856750	1,4-Dichlorobenzene-d4	6.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	16
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





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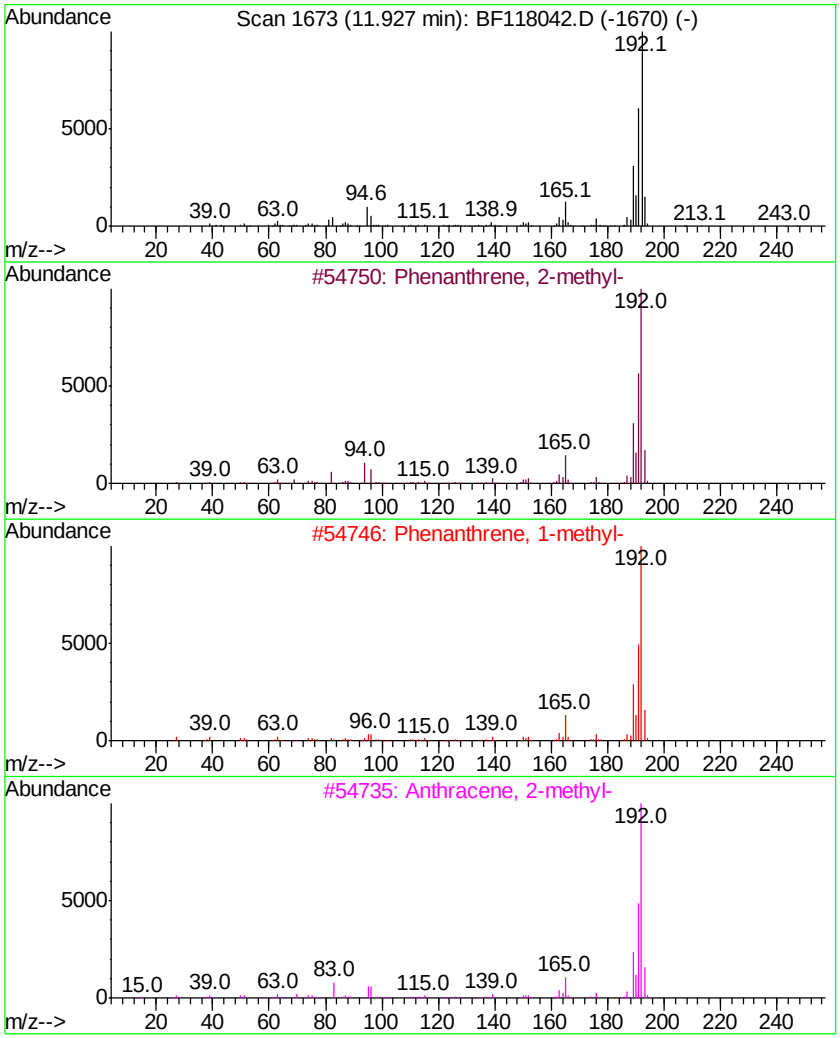
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

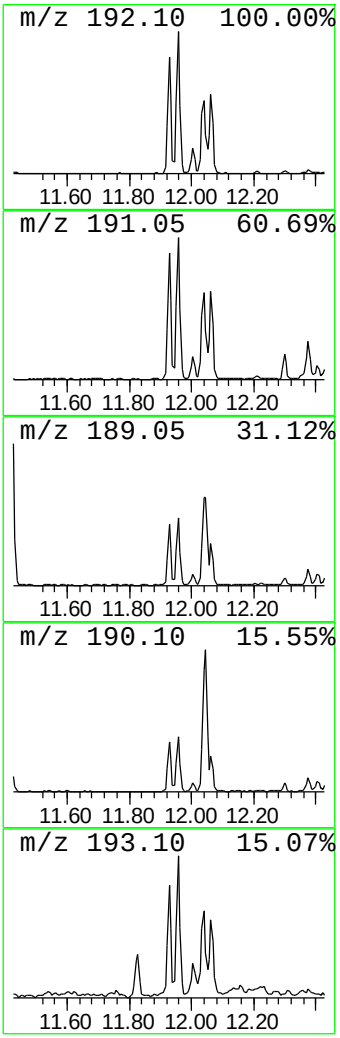
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	5.60 ng	372754	Phenanthrene-d10	11.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112719\
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Sample : K6021-06
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-004-E

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

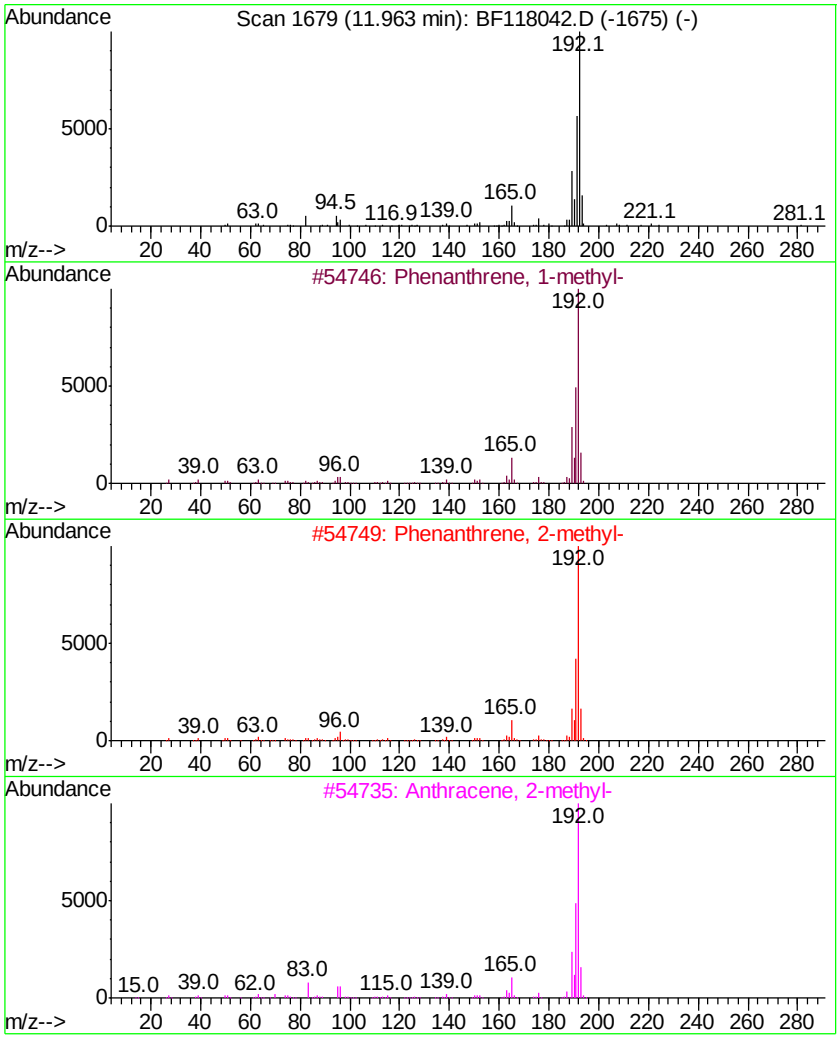
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

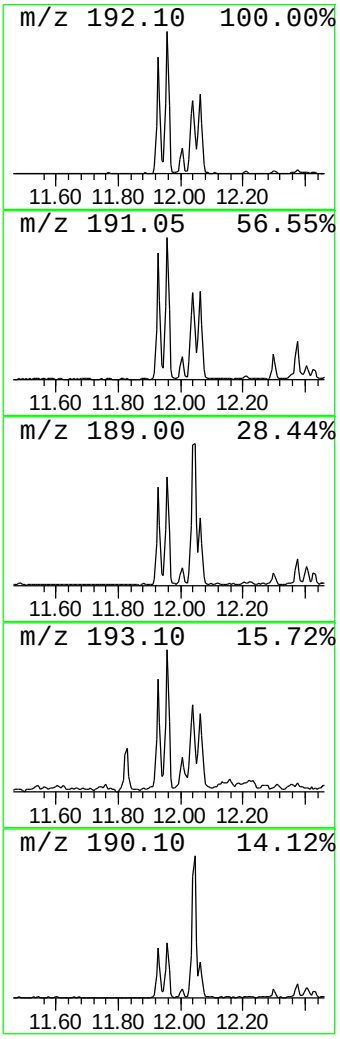
****

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	8.41 ng	559748	Phenanthrene-d10	11.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112719\
Data File : BF118042.D
Acq On : 27 Nov 2019 15:53
Operator : JU
Sample : K6021-06
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-004-E

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

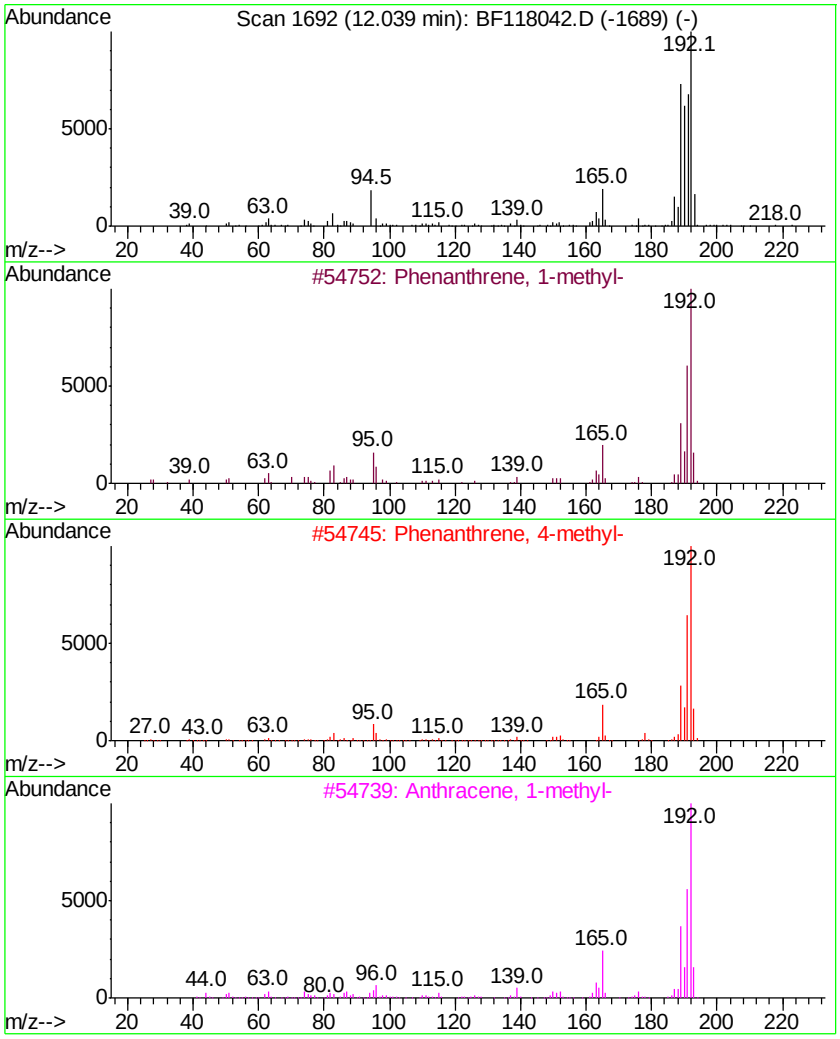
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

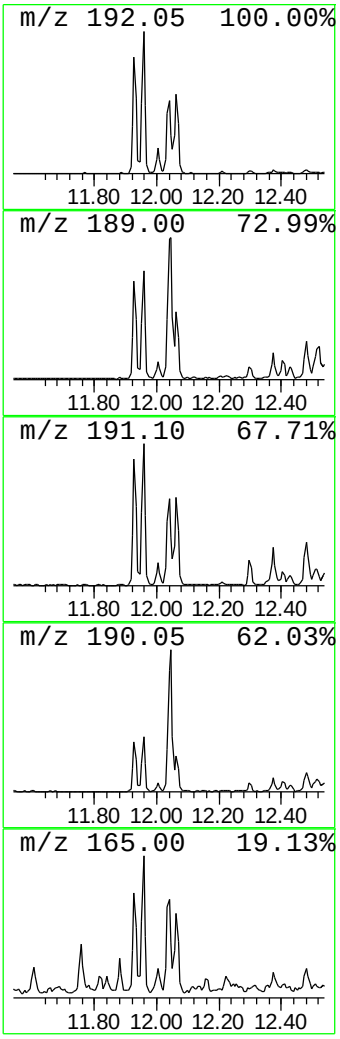
****

Peak Number 7 Phenanthrene, 4-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	5.88 ng	391263	Phenanthrene-d10	11.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	60
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	60
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	60
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	60
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	60





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Acq On : 27 Nov 2019 15:53
Operator : JU
Sample : K6021-06
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-004-E

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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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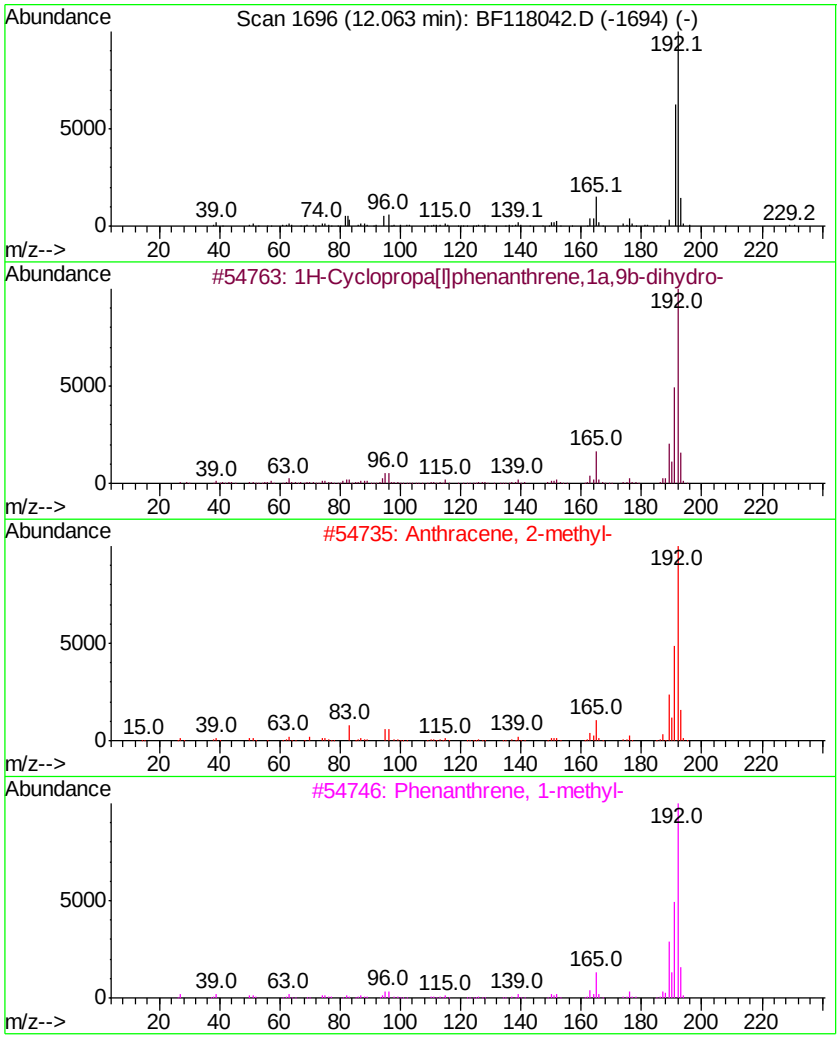
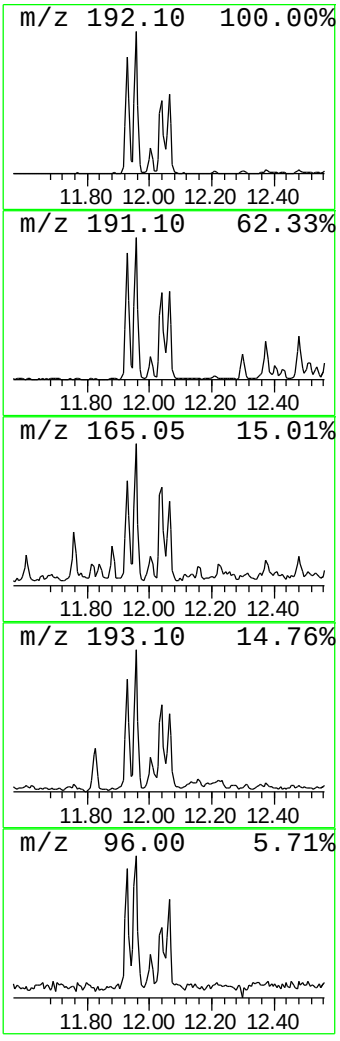
Peak Number 8 1H-Cyclopropa[l]phenanthren... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.06	3.53 ng	234610	Phenanthrene-d10	11.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





Library Search Compound Report

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Acq On : 27 Nov 2019 15:53
Operator : JU
Sample : K6021-06
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-004-E

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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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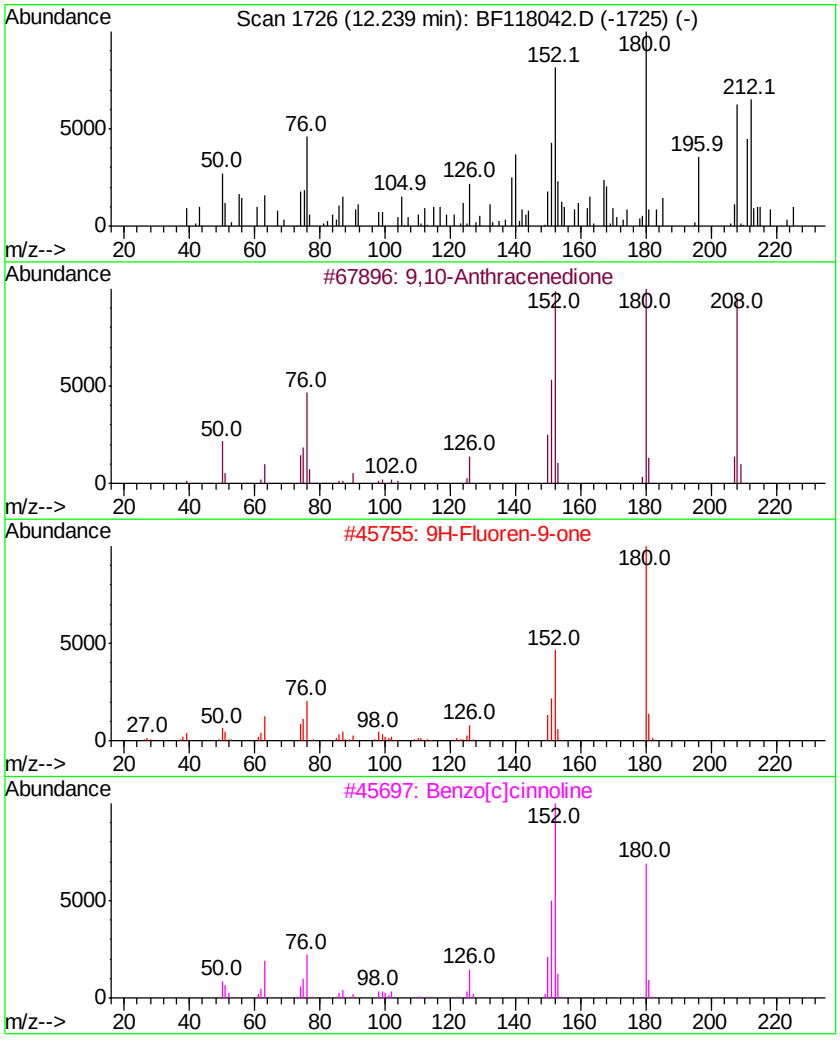
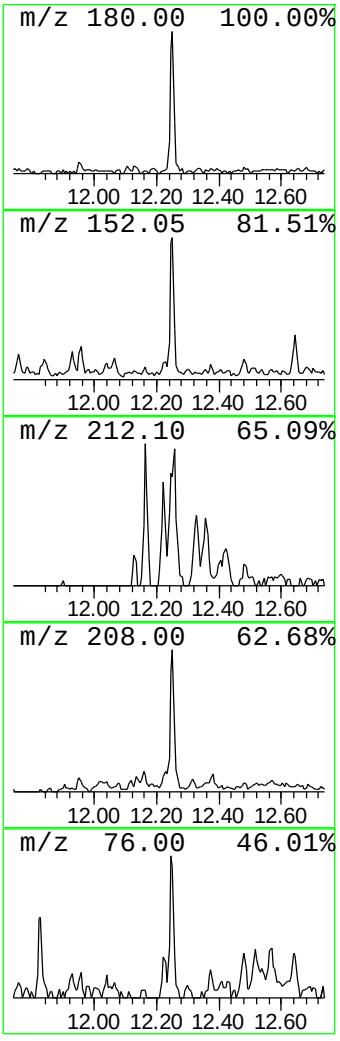
Peak Number 9 9,10-Anthracenedione Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.24	2.35 ng	156512	Phenanthrene-d10	11.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	83
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	55





Library Search Compound Report

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Acq On : 27 Nov 2019 15:53
Operator : JU
Sample : K6021-06
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-004-E

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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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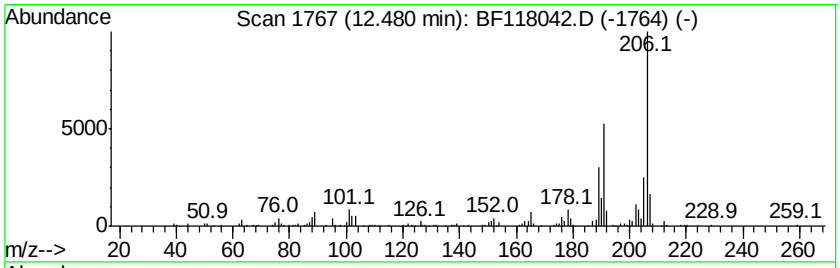
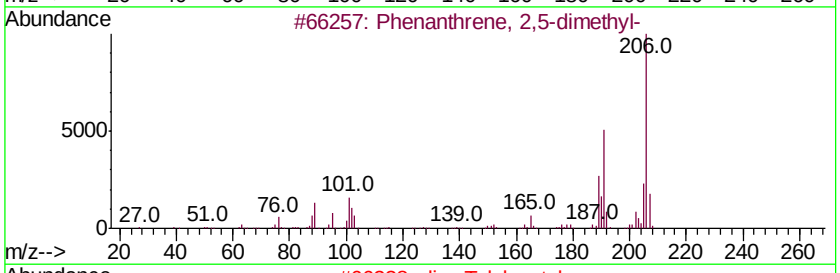
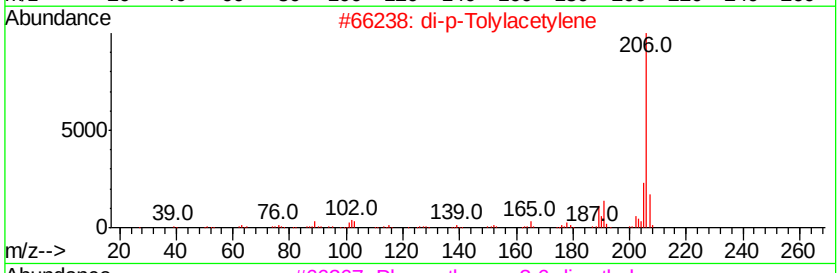
Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 16

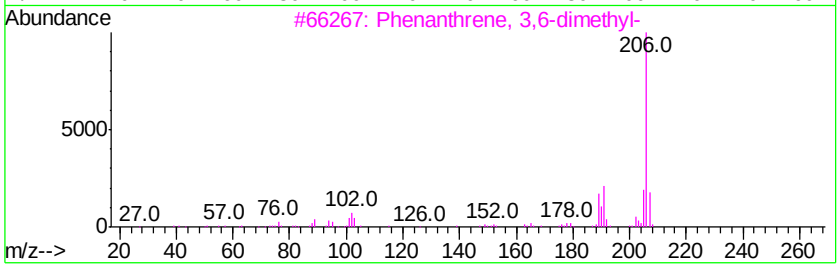
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.48	2.89 ng	192008	Phenanthrene-d10	11.43

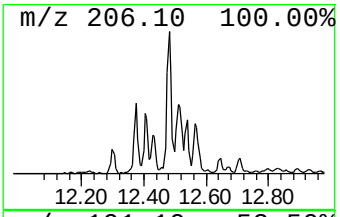
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89

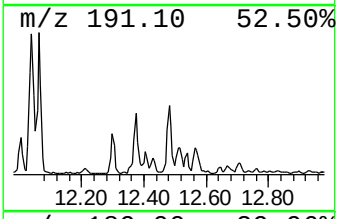


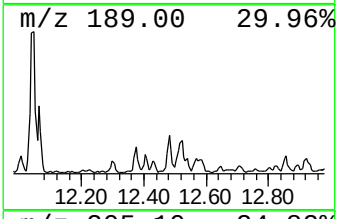


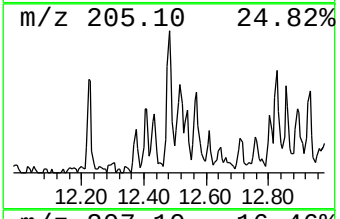


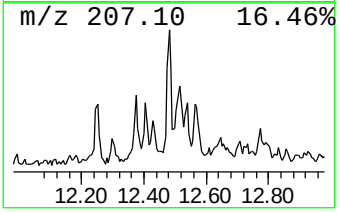












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Data File : BF118042.D
Acq On : 27 Nov 2019 15:53
Operator : JU
Sample : K6021-06
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-004-E

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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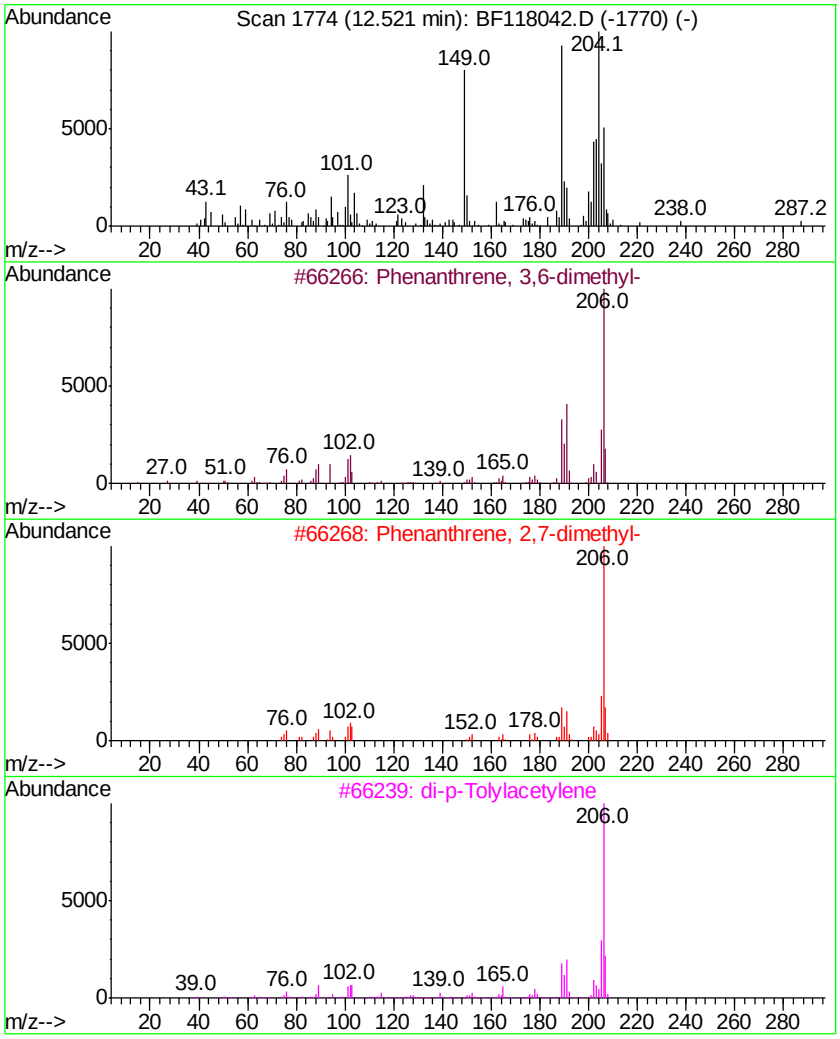
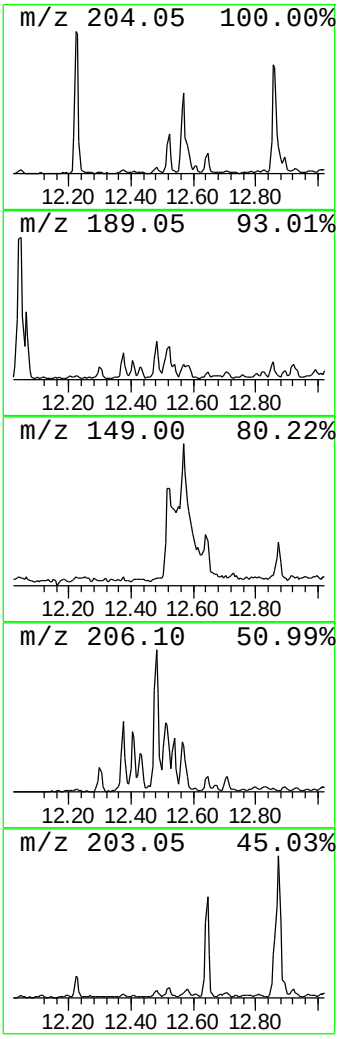
Peak Number 11 Phenanthrene, 3,6-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	2.39 ng	158806	Phenanthrene-d10	11.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	70
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	64
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	49
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	46
5	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	45





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Acq On : 27 Nov 2019 15:53
Operator : JU
Sample : K6021-06
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-004-E

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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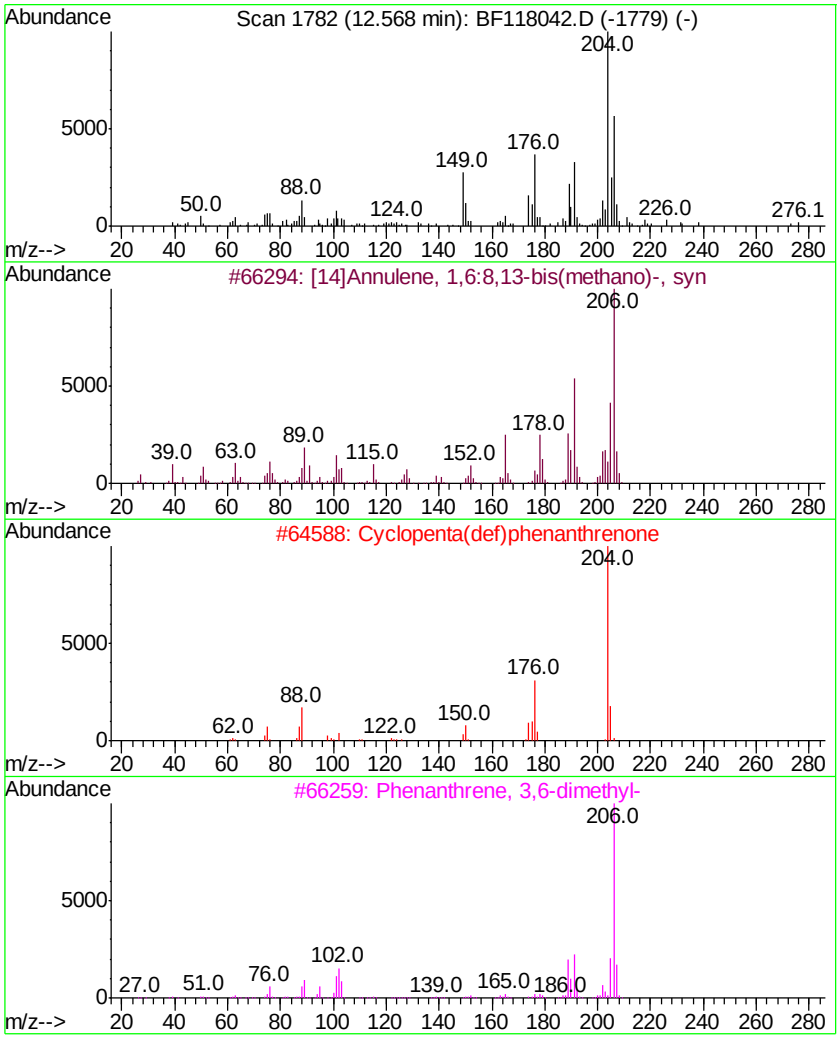
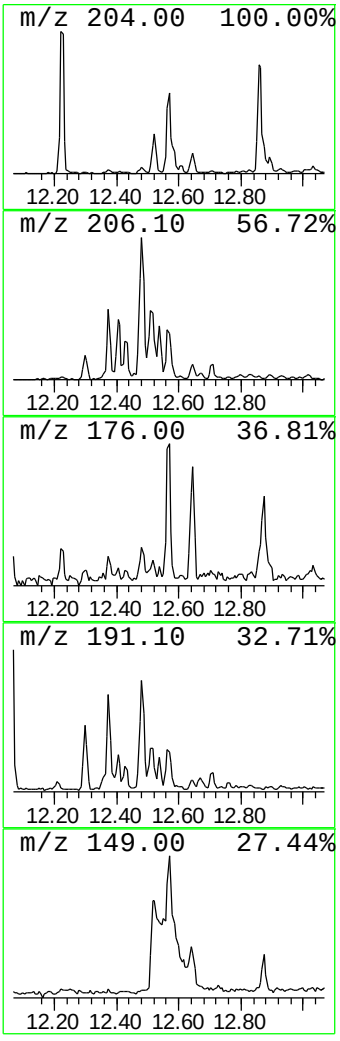
Peak Number 12 unknown12.57 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.57	2.68 ng	178484	Phenanthrene-d10	11.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	46
2	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	46
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	42
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	42
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	42





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Operator : JU
Sample : K6021-06
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-004-E

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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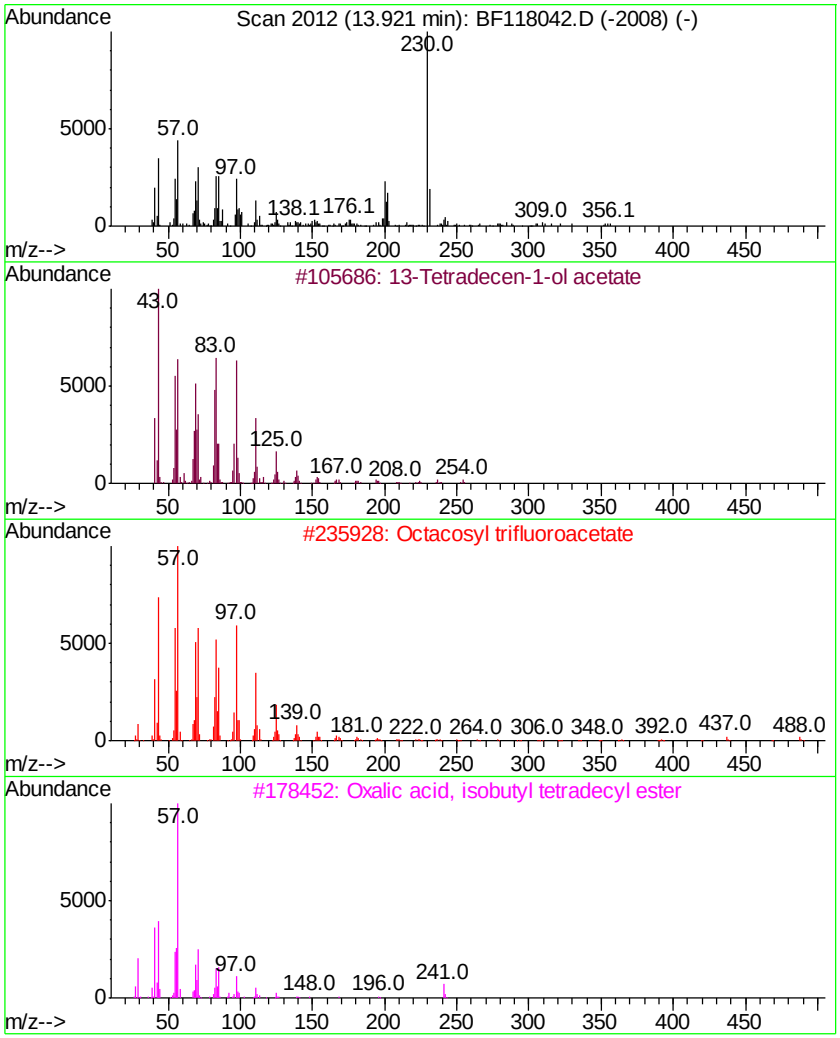
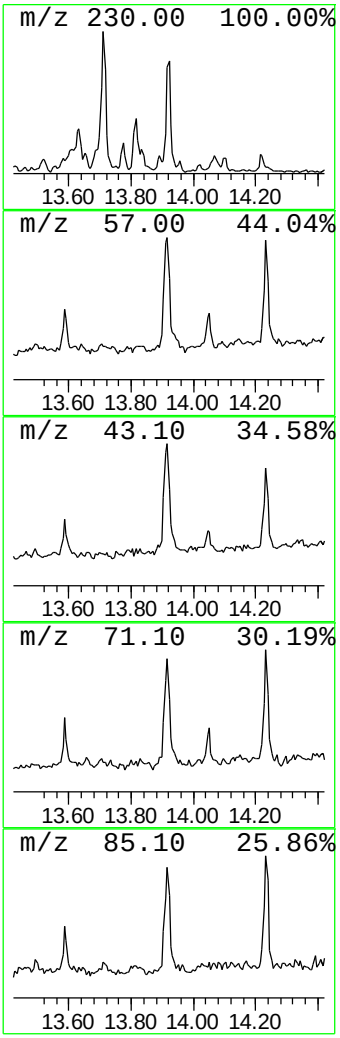
Peak Number 13 13-Tetradecen-1-ol acetate Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.92	5.95 ng	418481	Chrysene-d12	14.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	13-Tetradecen-1-ol acetate	254	C16H30O2	056221-91-1	72
2	Octacosyl trifluoroacetate	506	C30H57F3O2	1000351-74-9	70
3	Oxalic acid, isobutyl tetradecyl...	342	C20H38O4	1000309-37-9	55
4	Oxalic acid, isobutyl pentadecyl...	356	C21H40O4	1000309-38-0	55
5	Hexatriacontyl pentafluoropropio...	669	C39H73F5O2	1000351-89-0	50





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Operator : JU
Sample : K6021-06
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-004-E

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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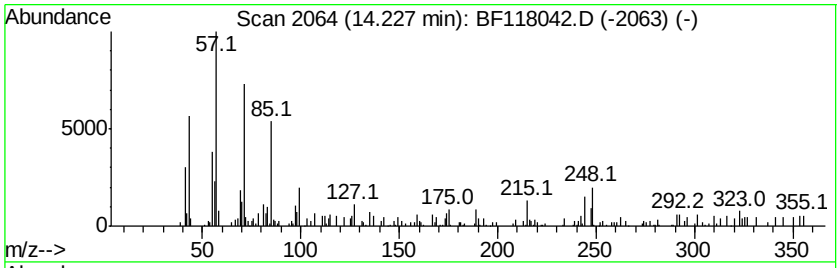
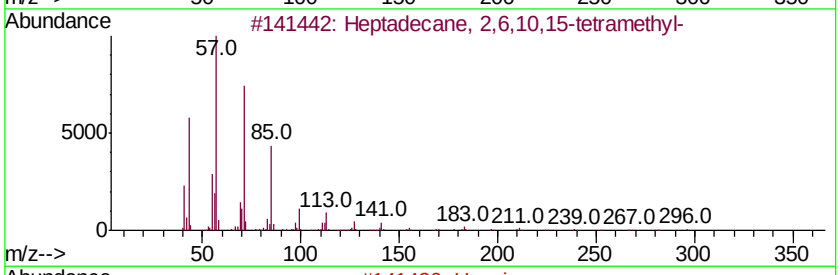
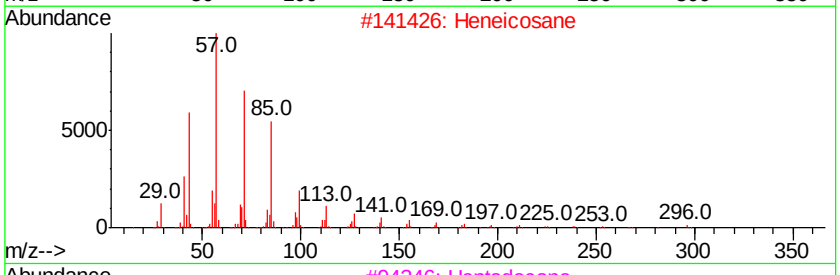
Peak Number 14 Heptadecane, 2,6,10,15-tetr... Concentration Rank 18

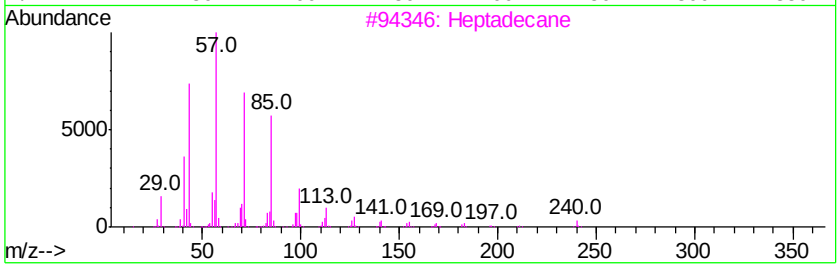
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.23	2.57 ng	180953	Chrysene-d12	14.07

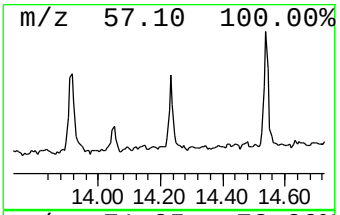
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	94
2	Heneicosane	296	C21H44	000629-94-7	94
3	Heptadecane	240	C17H36	000629-78-7	91
4	Octacosane	394	C28H58	000630-02-4	83
5	Eicosane	282	C20H42	000112-95-8	83

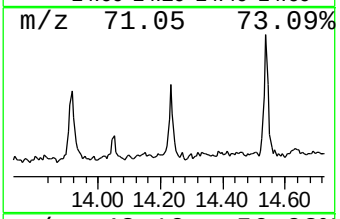


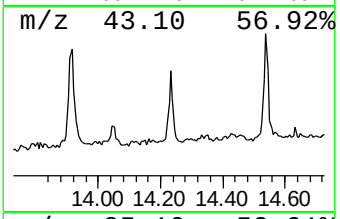


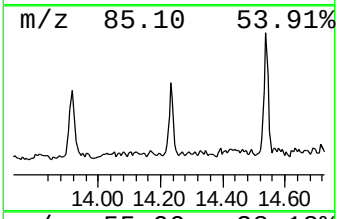


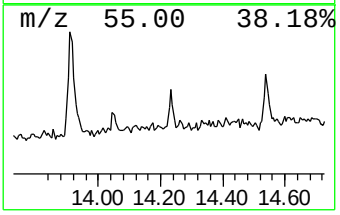












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Data File : BF118042.D
Acq On : 27 Nov 2019 15:53
Operator : JU
Sample : K6021-06
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-004-E

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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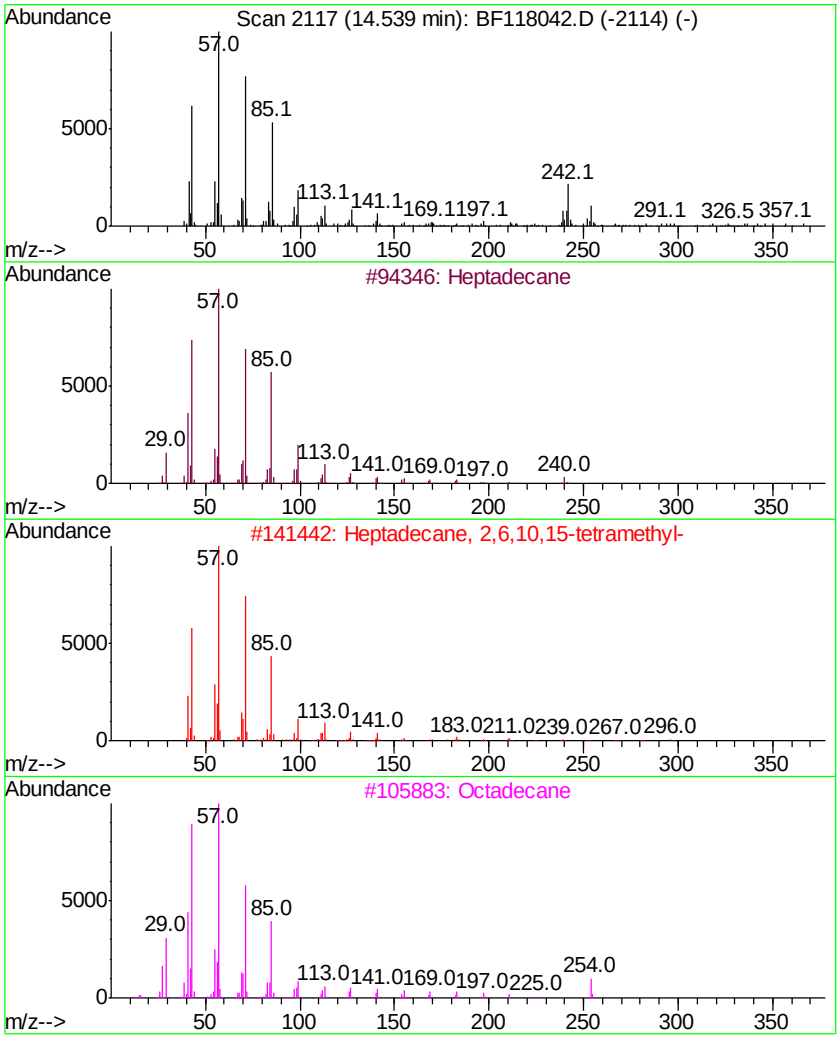
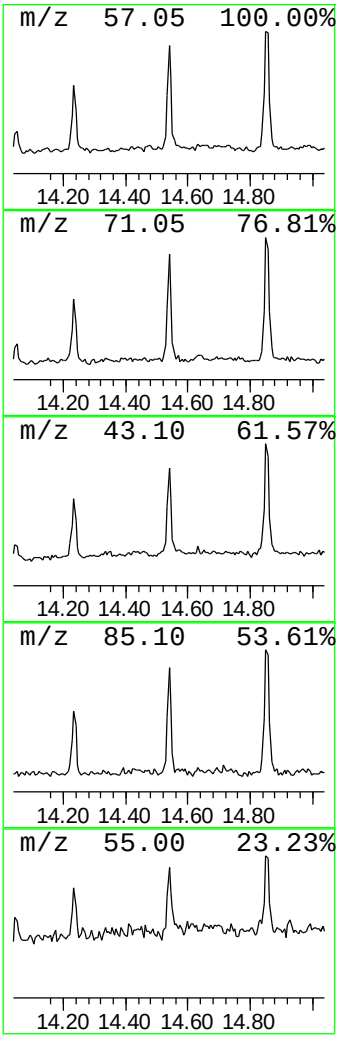
Peak Number 15 Heptadecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.54	3.05 ng	214602	Chrysene-d12	14.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	98
2	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	93
3	Octadecane	254	C18H38	000593-45-3	93
4	Heneicosane	296	C21H44	000629-94-7	86
5	Pentacosane	352	C25H52	000629-99-2	81





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Sample : K6021-06
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-004-E

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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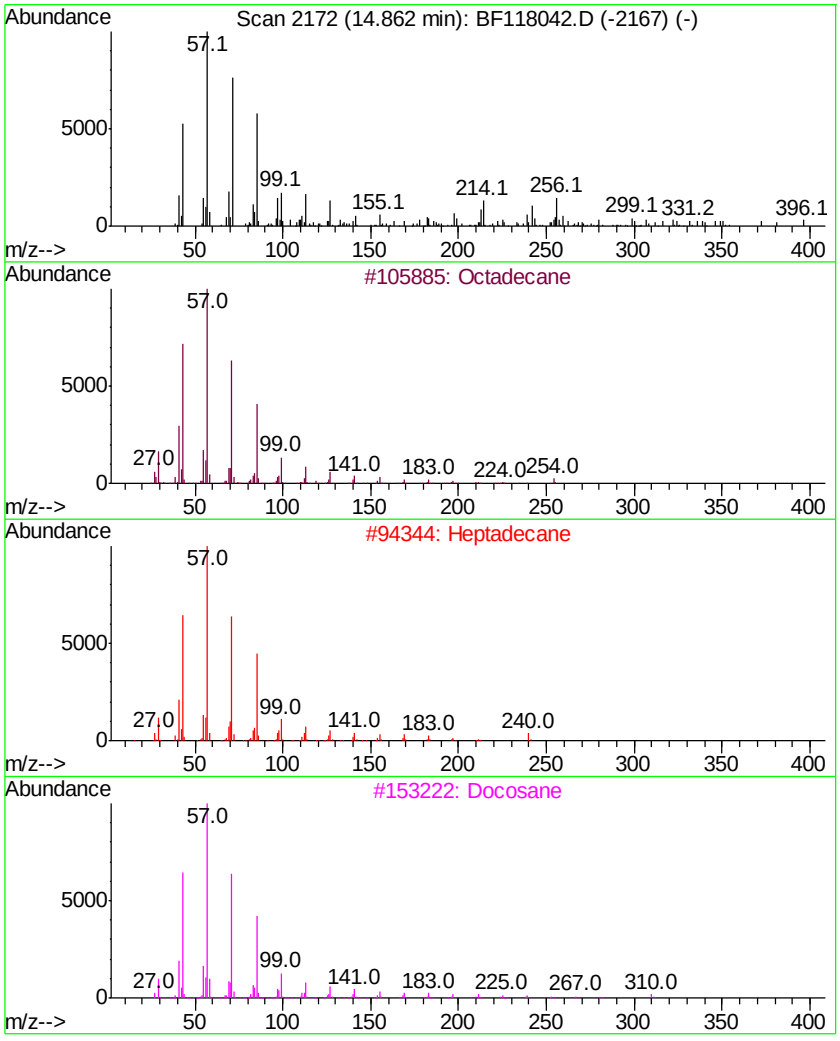
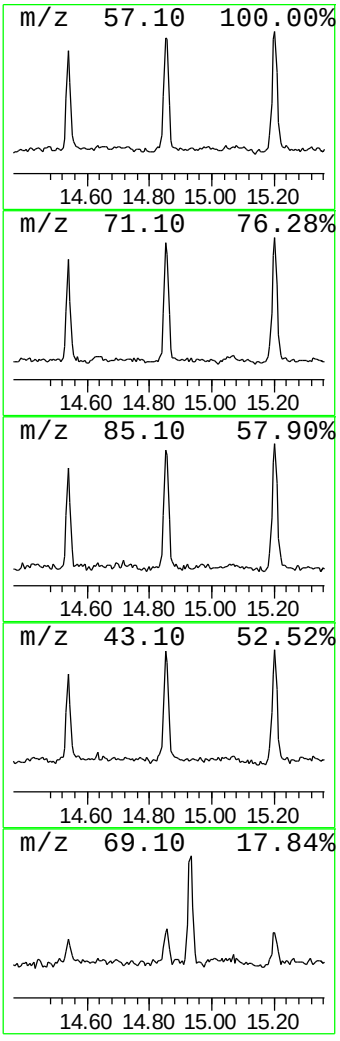
Peak Number 16 Octadecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.86	3.83 ng	201119	Perylene-d12	15.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	95
2	Heptadecane	240	C17H36	000629-78-7	94
3	Docosane	310	C22H46	000629-97-0	89
4	Heneicosane	296	C21H44	000629-94-7	87
5	Eicosane	282	C20H42	000112-95-8	87





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112719\
Data File : BF118042.D
Acq On : 27 Nov 2019 15:53
Operator : JU
Sample : K6021-06
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-004-E

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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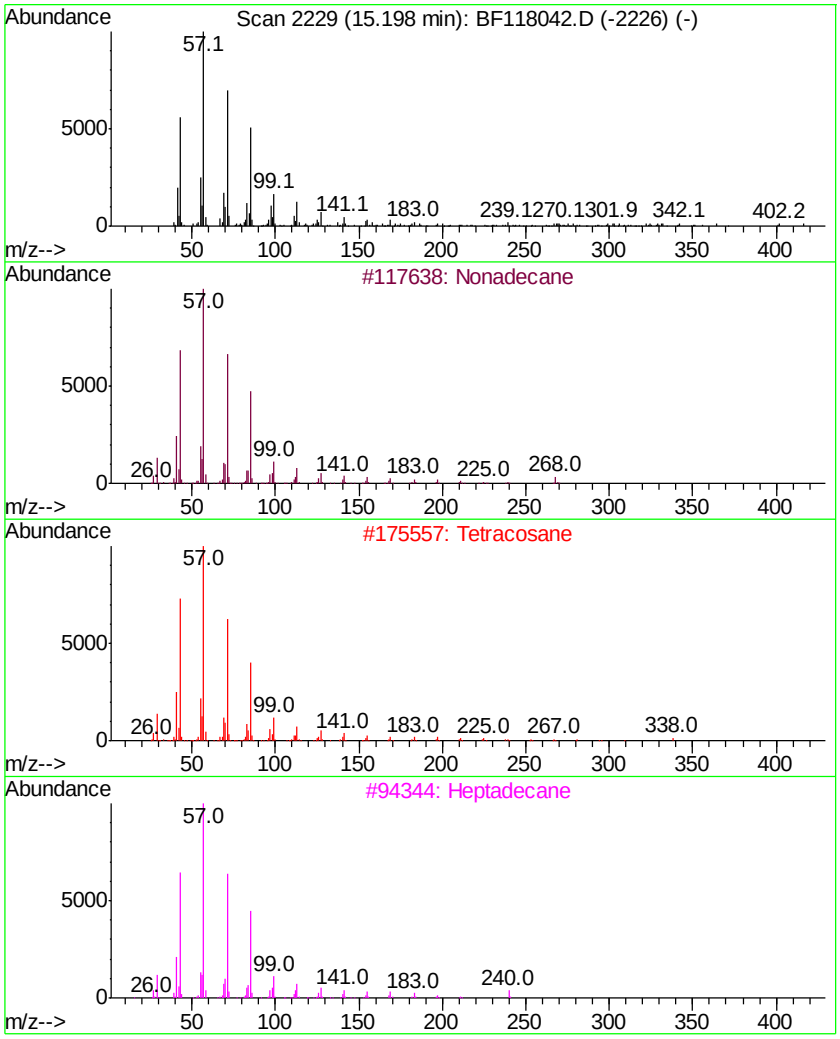
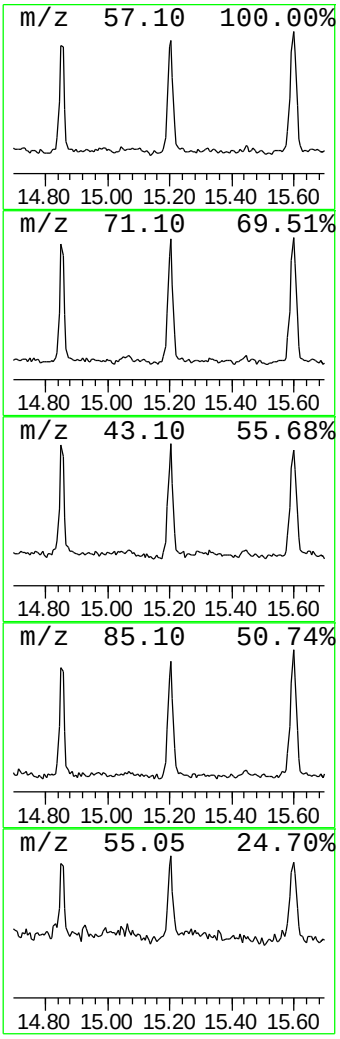
Peak Number 17 Nonadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.20	5.05 ng	265059	Perylene-d12	15.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	96
2	Tetracosane	338	C24H50	000646-31-1	96
3	Heptadecane	240	C17H36	000629-78-7	94
4	Eicosane	282	C20H42	000112-95-8	93
5	Heneicosane	296	C21H44	000629-94-7	91





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Acq On : 27 Nov 2019 15:53
Operator : JU
Sample : K6021-06
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-004-E

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

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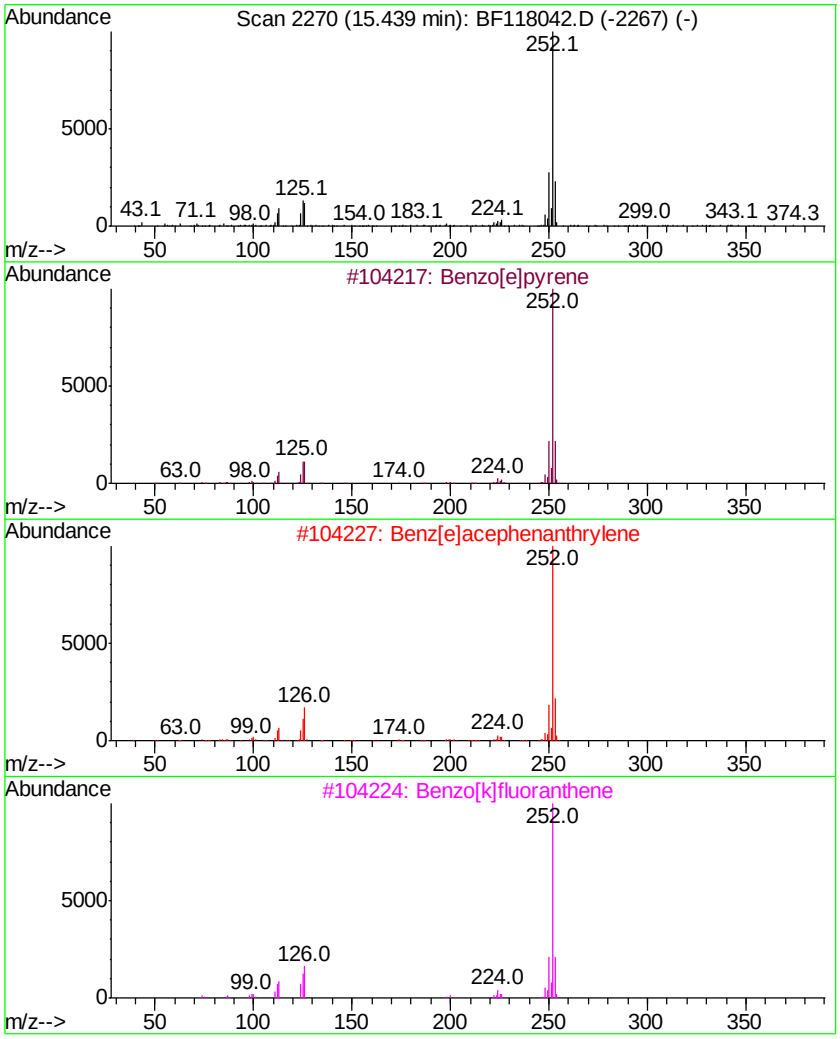
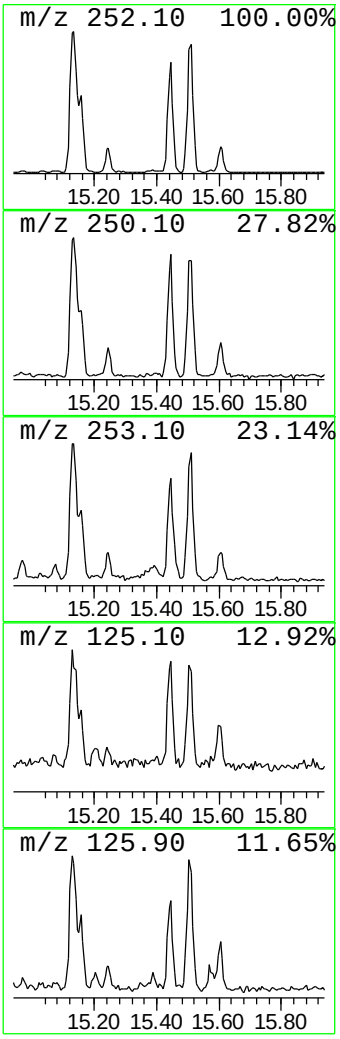
Peak Number 18 Benzo[e]pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.44	4.02 ng	211025	Perylene-d12	15.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90
5	Benzo[a]pyrene	252	C20H12	000050-32-8	90





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Data File : BF118042.D
Acq On : 27 Nov 2019 15:53
Operator : JU
Sample : K6021-06
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-004-E

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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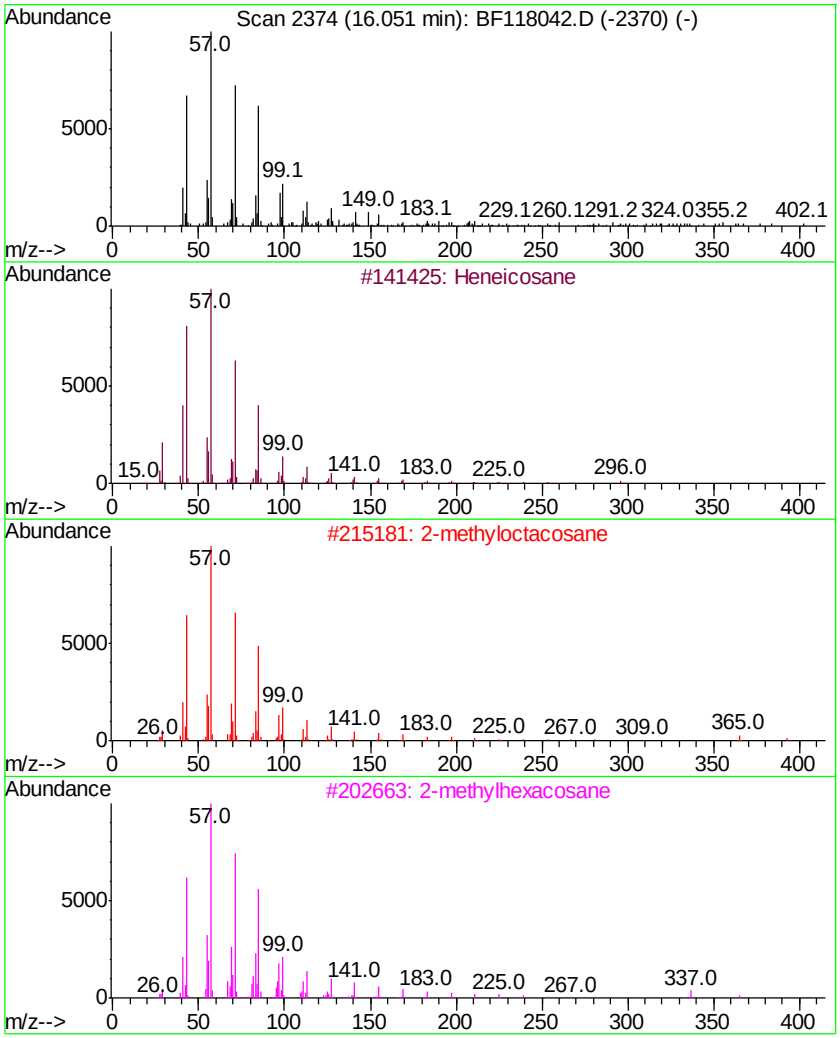
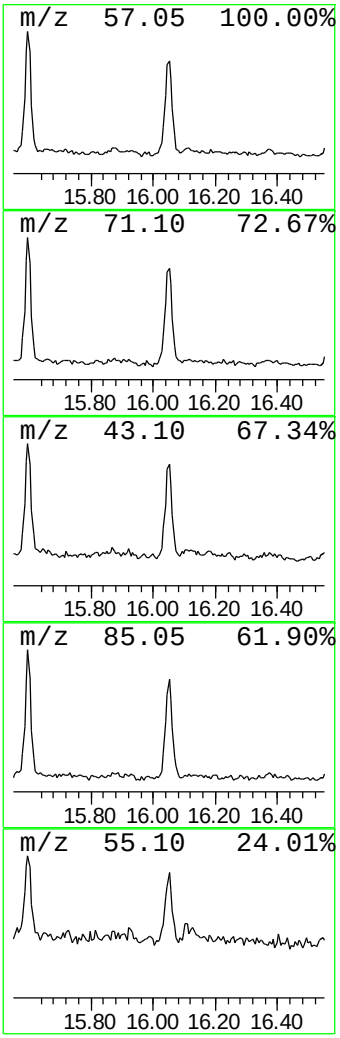
Peak Number 19 Heneicosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.05	5.36 ng	281328	Perylene-d12	15.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	96
2	2-methyloctacosane	408	C29H60	1000376-72-8	91
3	2-methylhexacosane	380	C27H56	1000376-72-7	91
4	Pentacosane	352	C25H52	000629-99-2	91
5	Octacosane	394	C28H58	000630-02-4	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112719\
Data File : BF118042.D
Acq On : 27 Nov 2019 15:53
Operator : JU
Sample : K6021-06
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-004-E

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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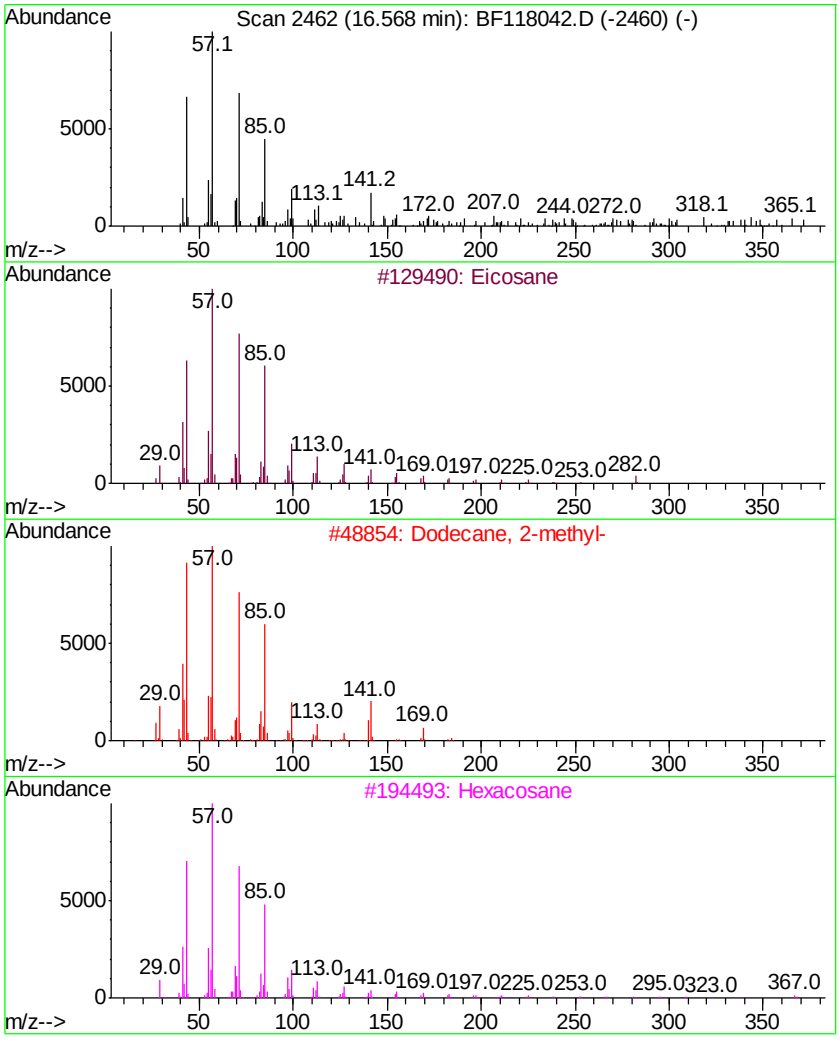
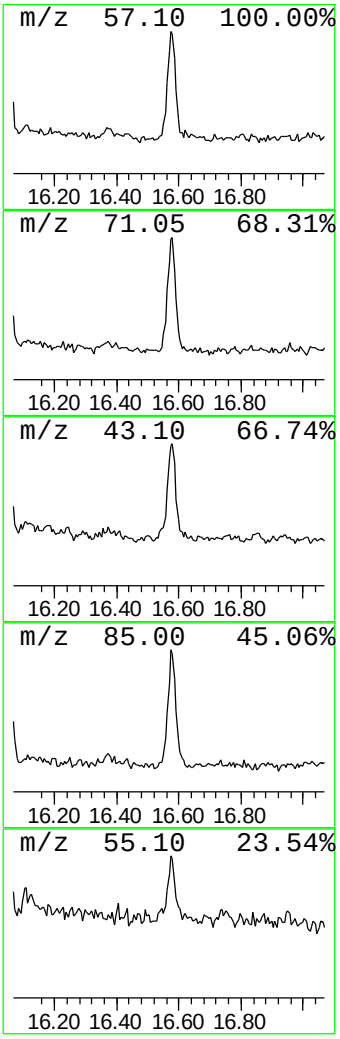
Peak Number 20 Eicosane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.57	3.32 ng	174397	Perylene-d12	15.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	91
2	Dodecane, 2-methyl-	184	C13H28	001560-97-0	91
3	Hexacosane	366	C26H54	000630-01-3	87
4	Heneicosane	296	C21H44	000629-94-7	87
5	Heptadecane	240	C17H36	000629-78-7	83





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF112719\
Data File : BF118042.D
Acq On : 27 Nov 2019 15:53
Operator : JU
Sample : K6021-06
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SOIL-004-E

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	2.15	19.0	ng	754840	1	6.88	794064	20.0
2-Pentanone, 4-hy...	5.09	14.2	ng	562630	1	6.88	794064	20.0
unknown6.65	6.65	72.0	ng	2856750	1	6.88	794064	20.0
Phenanthrene, 2-m...	11.93	5.6	ng	372754	4	11.43	1330660	20.0
Phenanthrene, 1-m...	11.96	8.4	ng	559748	4	11.43	1330660	20.0
Phenanthrene, 4-m...	12.04	5.9	ng	391263	4	11.43	1330660	20.0
1H-Cyclopropa[l]p...	12.06	3.5	ng	234610	4	11.43	1330660	20.0
9,10-Anthracenedione	12.24	2.4	ng	156512	4	11.43	1330660	20.0
Phenanthrene, 2,5...	12.48	2.9	ng	192008	4	11.43	1330660	20.0
Phenanthrene, 3,6...	12.52	2.4	ng	158806	4	11.43	1330660	20.0
unknown12.57	12.57	2.7	ng	178484	4	11.43	1330660	20.0
13-Tetradecen-1-o...	13.92	6.0	ng	418481	5	14.07	1407280	20.0
Heptadecane, 2,6,...	14.23	2.6	ng	180953	5	14.07	1407280	20.0
Heptadecane	14.54	3.0	ng	214602	5	14.07	1407280	20.0
Octadecane	14.86	3.8	ng	201119	6	15.57	1050350	20.0
Nonadecane	15.20	5.0	ng	265059	6	15.57	1050350	20.0
Benzo[e]pyrene	15.44	4.0	ng	211025	6	15.57	1050350	20.0
Heneicosane	16.05	5.4	ng	281328	6	15.57	1050350	20.0
Eicosane	16.57	3.3	ng	174397	6	15.57	1050350	20.0