LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071019\
Data File : BF115480.D
Acq On : 11 Jul 2019 2:34
Operator : HP/JU
Sample : K3626-03 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-070919-B

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-BF070519.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	7	12	22	rVB	706925	921760	12.73%	1.481%
2	5.504	577	581	593	rBV	1471449	1312817	18.13%	2.109%
3	6.510	748	752	770	rBV	1564434	1432033	19.77%	2.300%
4	6.657	773	777	781	rBV	1596698	1471397	20.32%	2.364%
5	6.892	814	817	821	rBV	1042639	828563	11.44%	1.331%
6	7.051	840	844	847	rBV	1475222	1183662	16.34%	1.901%
7	7.445	907	911	915	rBV	962394	865414	11.95%	1.390%
8	8.175	1031	1035	1038	rBV	1402378	1091754	15.07%	1.754%
9	8.986	1169	1173	1180	rBV2	109427	122950	1.70%	0.198%
10	9.251	1214	1218	1221	rBV	2232433	1745481	24.10%	2.804%
11	9.339	1229	1233	1237	rBV2	158051	165306	2.28%	0.266%
12	9.510	1257	1262	1267	rBV2	100102	144123	1.99%	0.232%
13	9.592	1270	1276	1278	rVV2	168633	197369	2.73%	0.317%
14	9.616	1278	1280	1282	rVV	130308	102757	1.42%	0.165%
15	9.639	1282	1284	1289	rVV	314496	350176	4.84%	0.563%
16	9.710	1293	1296	1301	rVB3	83377	115434	1.59%	0.185%
17	9.792	1307	1310	1315	rVB	162308	149445	2.06%	0.240%
18	9.869	1320	1323	1327	rVB	255336	199408	2.75%	0.320%
19	9.933	1331	1334	1337	rVV	1339119	1165989	16.10%	1.873%
20	9.963	1337	1339	1342	rVB	169399	137419	1.90%	0.221%
21	10.133	1365	1368	1371	rVB	217343	174492	2.41%	0.280%
22	10.369	1405	1408	1410	rVB	280447	227483	3.14%	0.365%
23	10.475	1423	1426	1433	rBV	432771	429203	5.93%	0.689%
24	10.545	1433	1438	1439	rVV3	61449	79481	1.10%	0.128%
25	10.592	1443	1446	1448	rVV	139854	152005	2.10%	0.244%
26	10.633	1451	1453	1457	rVB2	104280	102960	1.42%	0.165%
27	10.716	1463	1467	1471	rVV	1121230	985411	13.61%	1.583%
28	10.839	1485	1488	1496	rVV	359014	389856	5.38%	0.626%
29	11.027	1516	1520	1522	rBV2	131803	150476	2.08%	0.242%
30	11.051	1522	1524	1531	rVV3	100345	120244	1.66%	0.193%
31	11.286	1562	1564	1566	rBV	263362	200528	2.77%	0.322%
32	11.316	1566	1569	1574	rVB2	245311	303126	4.19%	0.487%
33	11.416	1582	1586	1588	rBV	1196817	1090024	15.05%	1.751%
34	11.445	1588	1591	1594	rVV	2145515	1977555	27.30%	3.177%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071019\
Data File : BF115480.D
Acq On : 11 Jul 2019 2:34
Operator : HP/JU
Sample : K3626-03 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-070919-B

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-BF070519.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.492	1596	1599	1602	rVV	589893	490718	6.78%	0.788%
36	11.639	1621	1624	1627	rBV	163149	149386	2.06%	0.240%
37	11.716	1634	1637	1639	rBV	314738	243315	3.36%	0.391%
38	11.739	1639	1641	1648	rVB3	128450	186489	2.57%	0.300%
39	11.816	1650	1654	1657	rBV	2948484	2425016	33.48%	3.896%
40	11.921	1668	1672	1674	rBV	349910	353425	4.88%	0.568%
41	11.945	1674	1676	1680	rVV	996234	824293	11.38%	1.324%
42	11.992	1681	1684	1687	rVV	143794	131879	1.82%	0.212%
43	12.033	1687	1691	1693	rVV2	581513	620470	8.57%	0.997%
44	12.051	1693	1694	1699	rVB	266954	205069	2.83%	0.329%
45	12.121	1699	1706	1710	rBV2	252283	306472	4.23%	0.492%
46	12.216	1719	1722	1724	rBV	223742	218218	3.01%	0.351%
47	12.233	1724	1725	1729	rVB2	106542	75884	1.05%	0.122%
48	12.392	1750	1752	1754	rBV	84200	78036	1.08%	0.125%
49	12.469	1762	1765	1767	rBV	225646	223461	3.09%	0.359%
50	12.504	1767	1771	1773	rVV	4994257	5747821	79.36%	9.233%
51	12.527	1773	1775	1781	rVV	6269841	7242511	100.00%	11.635%
52	12.604	1785	1788	1790	rVV	1349379	1221035	16.86%	1.961%
53	12.633	1790	1793	1795	rVV	2310330	2210513	30.52%	3.551%
54	12.663	1795	1798	1805	rVV	1206256	1764042	24.36%	2.834%
55	12.727	1807	1809	1816	rVV3	310874	456820	6.31%	0.734%
56	12.780	1816	1818	1822	rVV3	115365	140693	1.94%	0.226%
57	12.863	1825	1832	1834	rVV	1798872	2083028	28.76%	3.346%
58	12.880	1834	1835	1838	rVB	224011	141723	1.96%	0.228%
59	12.910	1838	1840	1846	rVB2	85798	139593	1.93%	0.224%
60	12.980	1846	1852	1853	rBV2	119352	173062	2.39%	0.278%
61	13.004	1853	1856	1861	rVB	1684464	1508660	20.83%	2.424%
62	13.080	1865	1869	1872	rBV3	142667	225214	3.11%	0.362%
63	13.133	1876	1878	1881	rBV2	87447	94531	1.31%	0.152%
64	13.163	1881	1883	1885	rBV	299038	298984	4.13%	0.480%
65	13.186	1885	1887	1890	rVB2	498374	431817	5.96%	0.694%
66	13.251	1893	1898	1901	rVB2	578951	631920	8.73%	1.015%
67	13.292	1901	1905	1907	rBV2	219109	194079	2.68%	0.312%
68	13.327	1909	1911	1913	rBV	158356	122883	1.70%	0.197%
69	13.386	1918	1921	1923	rBV	122807	115268	1.59%	0.185%
70	13.416	1923	1926	1929	rVB2	135623	108703	1.50%	0.175%
71	13.492	1936	1939	1945	rVB7	98487	127316	1.76%	0.205%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071019\
Data File : BF115480.D
Acq On : 11 Jul 2019 2:34
Operator : HP/JU
Sample : K3626-03 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-070919-B

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-BF070519.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.580	1951	1954	1957	rBV2	131825	126135	1.74%	0.203%
73	13.668	1966	1969	1971	rBV2	68472	81991	1.13%	0.132%
74	13.751	1980	1983	1986	rVB3	110629	150153	2.07%	0.241%
75	13.804	1987	1992	1995	rBV2	161549	218540	3.02%	0.351%
76	13.833	1995	1997	1999	rVV	164776	136092	1.88%	0.219%
77	13.857	1999	2001	2005	rVV2	119355	160986	2.22%	0.259%
78	13.910	2006	2010	2017	rVB3	272278	386793	5.34%	0.621%
79	13.998	2022	2025	2027	rVV	148570	114565	1.58%	0.184%
80	14.051	2029	2034	2037	rVV2	1449264	2068705	28.56%	3.323%
81	14.080	2037	2039	2047	rVB	892357	786578	10.86%	1.264%
82	14.163	2051	2053	2056	rVB	143013	109609	1.51%	0.176%
83	14.221	2060	2063	2069	rVB4	154340	223450	3.09%	0.359%
84	14.274	2069	2072	2076	rBV3	90159	103545	1.43%	0.166%
85	14.439	2097	2100	2104	rVB	218427	222759	3.08%	0.358%
86	14.474	2104	2106	2109	rVB	143903	106903	1.48%	0.172%
87	14.533	2110	2116	2119	rBV3	247952	412736	5.70%	0.663%
88	14.586	2123	2125	2128	rVB2	162402	145072	2.00%	0.233%
89	14.621	2128	2131	2132	rBV	108190	100051	1.38%	0.161%
90	14.839	2165	2168	2171	rBV2	157002	179044	2.47%	0.288%
91	15.104	2208	2213	2216	rBV	581568	957933	13.23%	1.539%
92	15.186	2224	2227	2229	rBV2	158569	172667	2.38%	0.277%
93	15.210	2229	2231	2237	rVB	140906	152322	2.10%	0.245%
94	15.410	2261	2265	2271	rVB	348534	464904	6.42%	0.747%
95	15.468	2271	2275	2281	rVV	536332	678051	9.36%	1.089%
96	15.533	2282	2286	2290	rVV	783691	1095908	15.13%	1.760%
97	15.568	2290	2292	2299	rVB3	253676	371158	5.12%	0.596%
98	16.021	2365	2369	2374	rBV	141556	195254	2.70%	0.314%
99	17.015	2534	2538	2546	rVB2	179906	332022	4.58%	0.533%
100	17.462	2610	2614	2621	rVB	111058	197824	2.73%	0.318%

Sum of corrected areas: 62250198

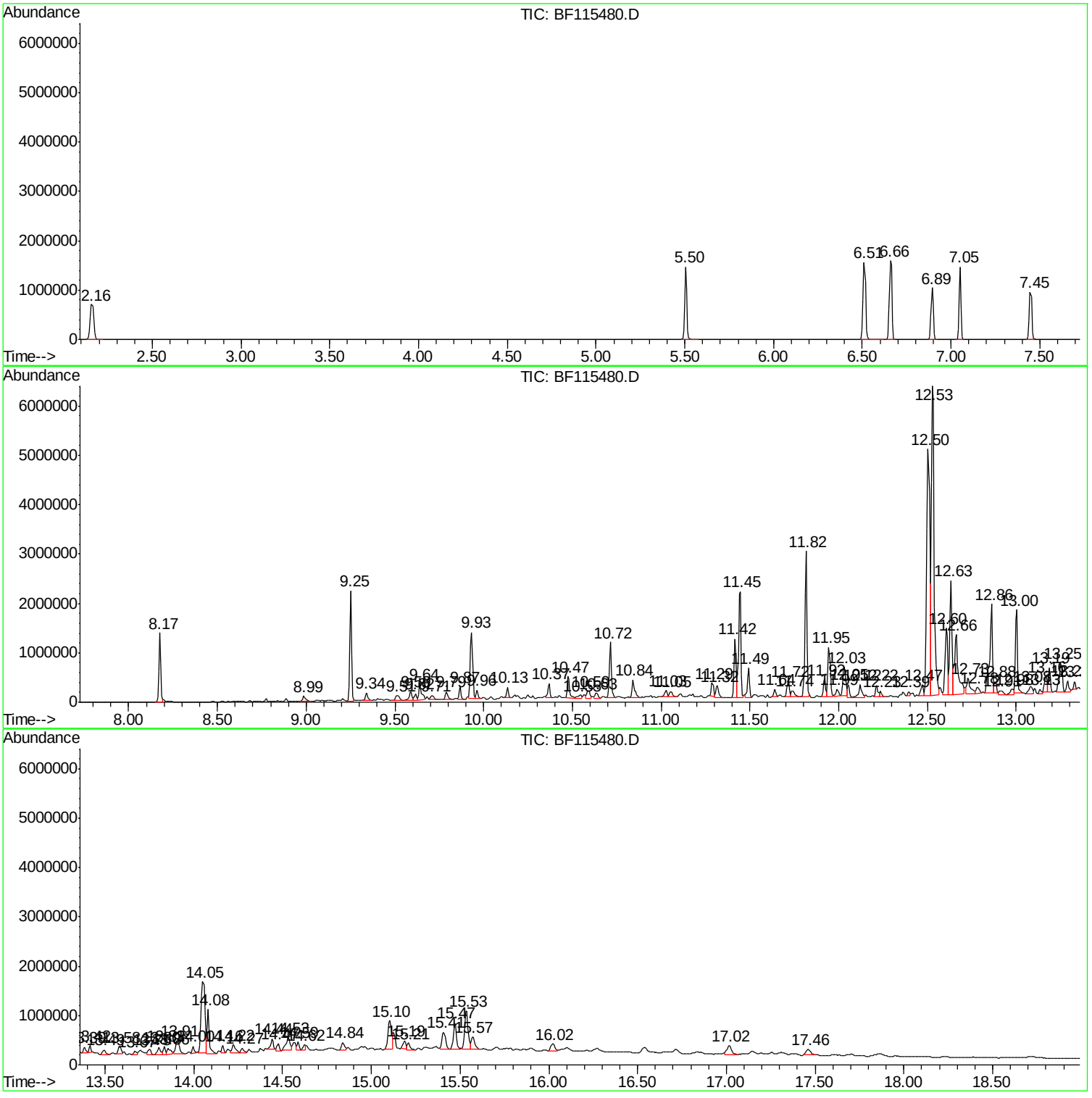
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071019\
Data File : BF115480.D
Acq On : 11 Jul 2019 2:34
Operator : HP/JU
Sample : K3626-03 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-070919-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070519.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\BF071019\
Data File : BF115480.D
Acq On : 11 Jul 2019 2:34
Operator : HP/JU
Sample : K3626-03 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-070919-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

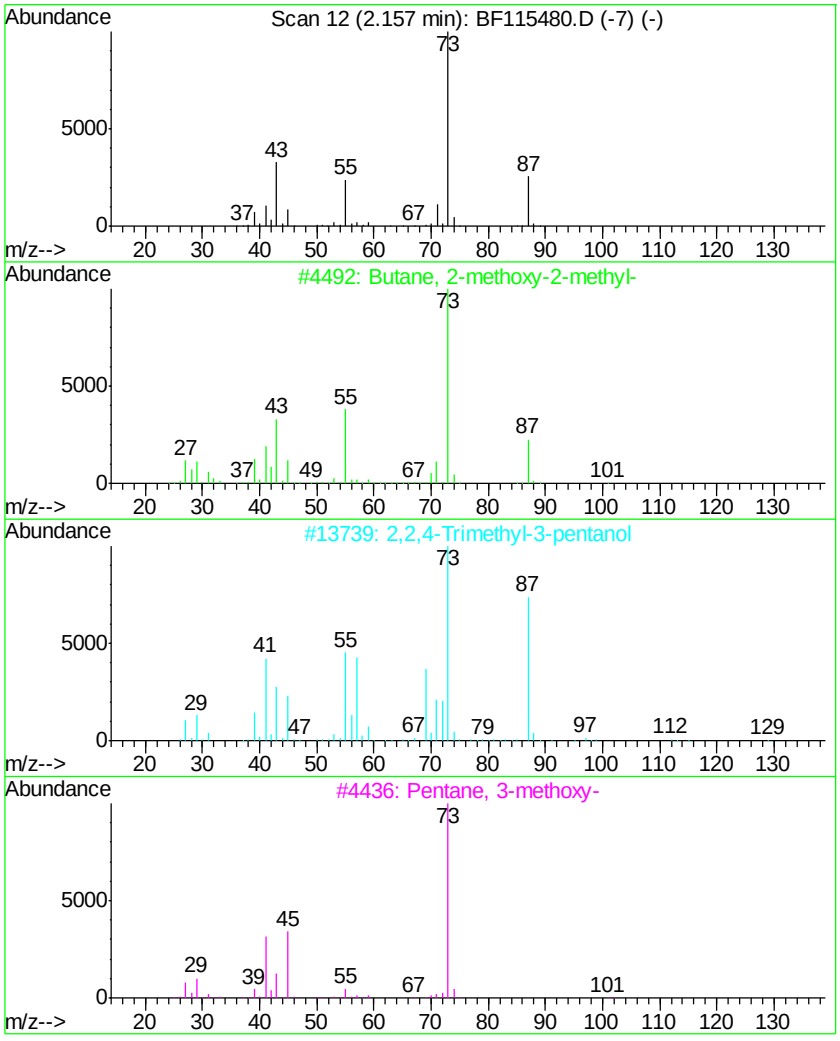
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

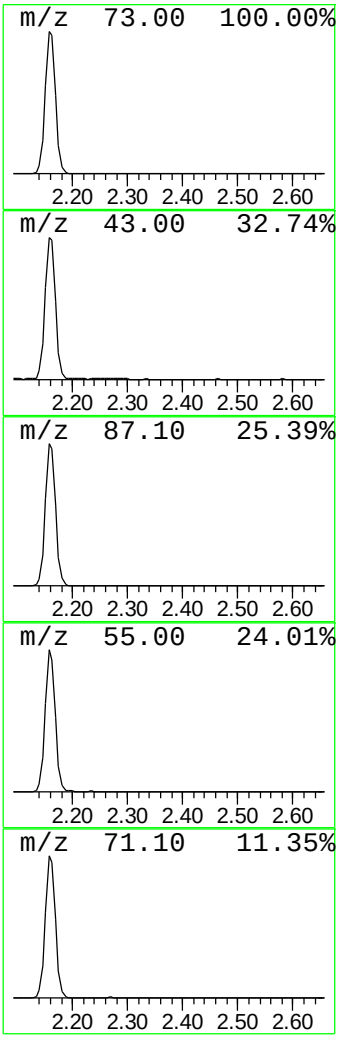
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.16	22.25 ng	921760	1,4-Dichlorobenzene-d4	6.89

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	39
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4	N-Ethylformamide	73	C3H7NO	000627-45-2	9
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071019\
Data File : BF115480.D
Acq On : 11 Jul 2019 2:34
Operator : HP/JU
Sample : K3626-03 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-070919-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

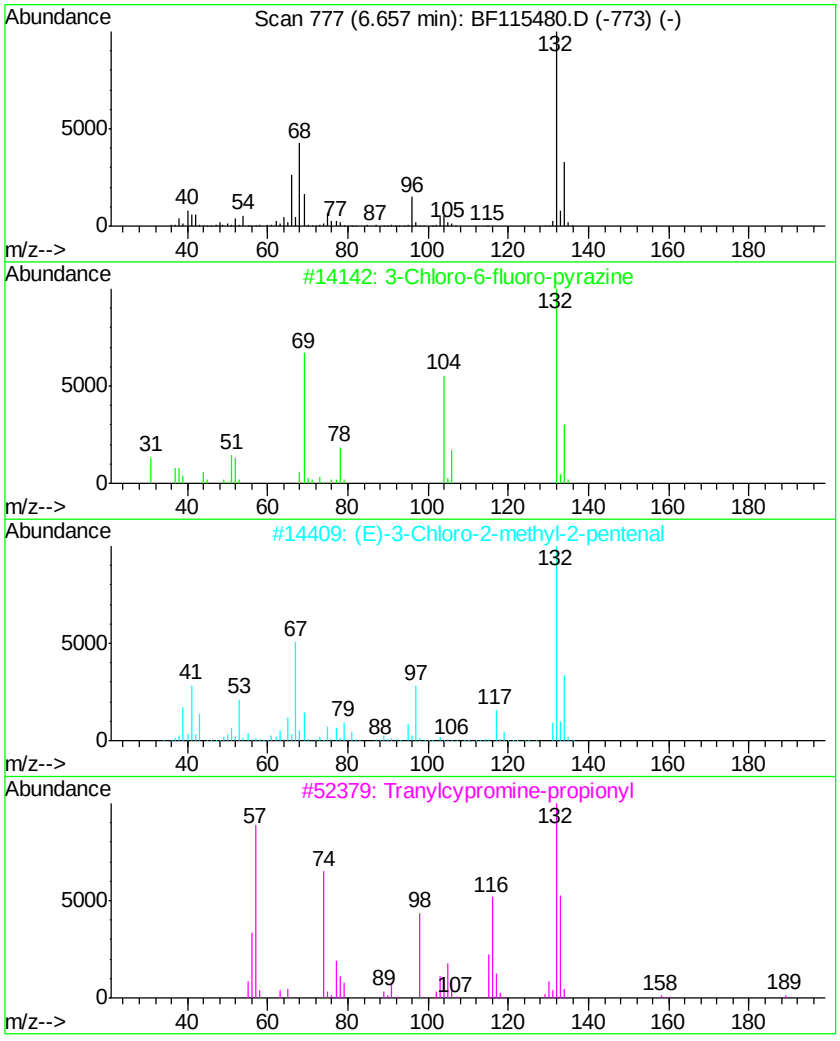
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

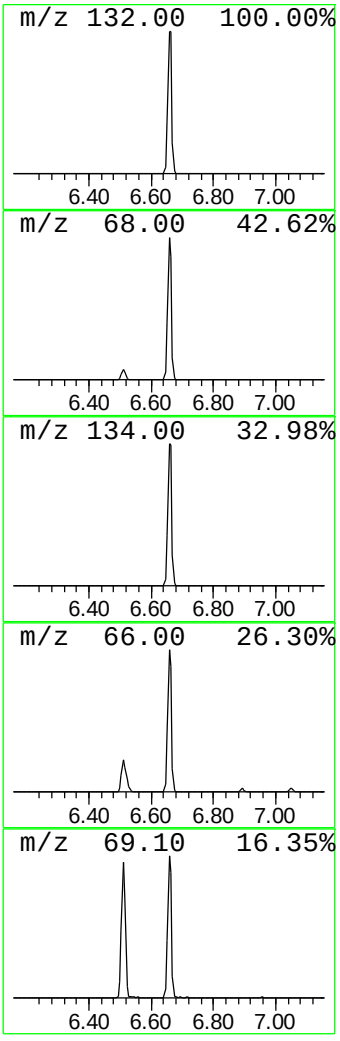
****

Peak Number 2 unknown6.66 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.66	35.52 ng	1471400	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071019\
Data File : BF115480.D
Acq On : 11 Jul 2019 2:34
Operator : HP/JU
Sample : K3626-03 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-070919-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

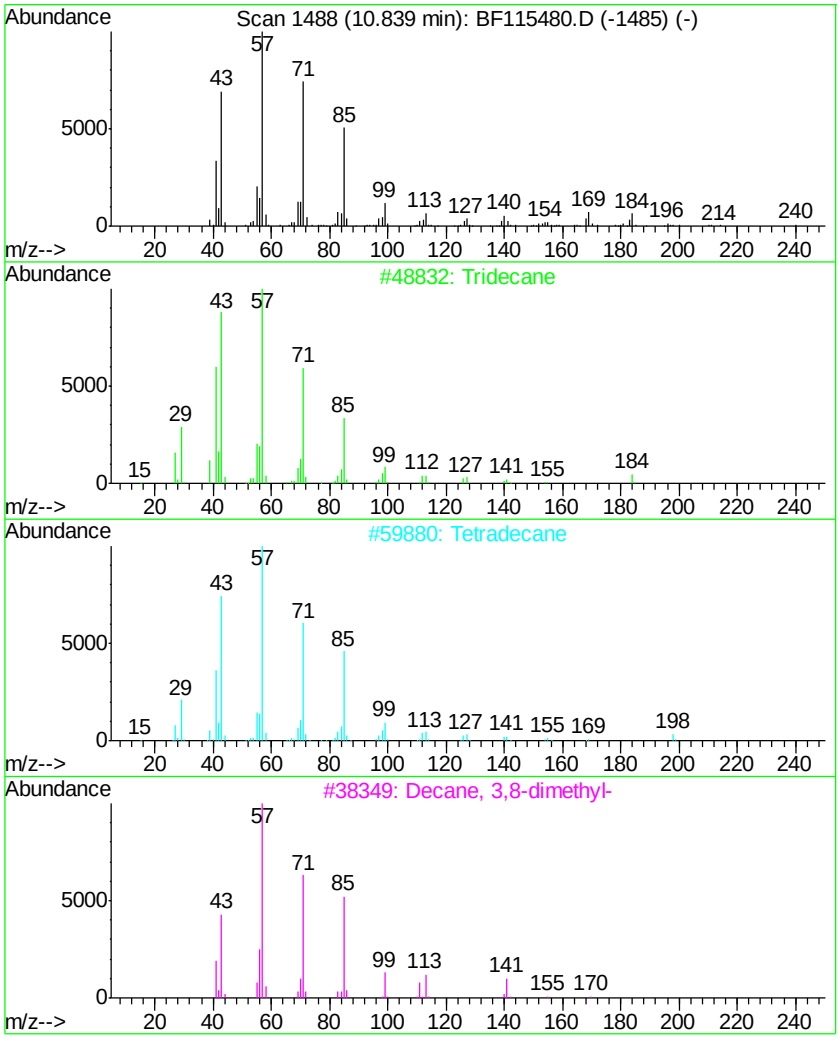
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

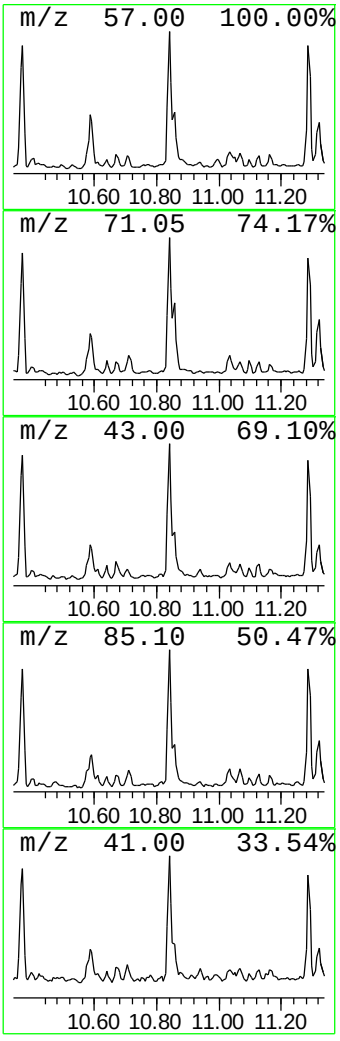
****

Peak Number 4 Tridecane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.84	7.15 ng	389856	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	87
2	Tetradecane	198	C14H30	000629-59-4	83
3	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	83
4	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	80
5	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	80





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071019\
Data File : BF115480.D
Acq On : 11 Jul 2019 2:34
Operator : HP/JU
Sample : K3626-03 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-070919-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

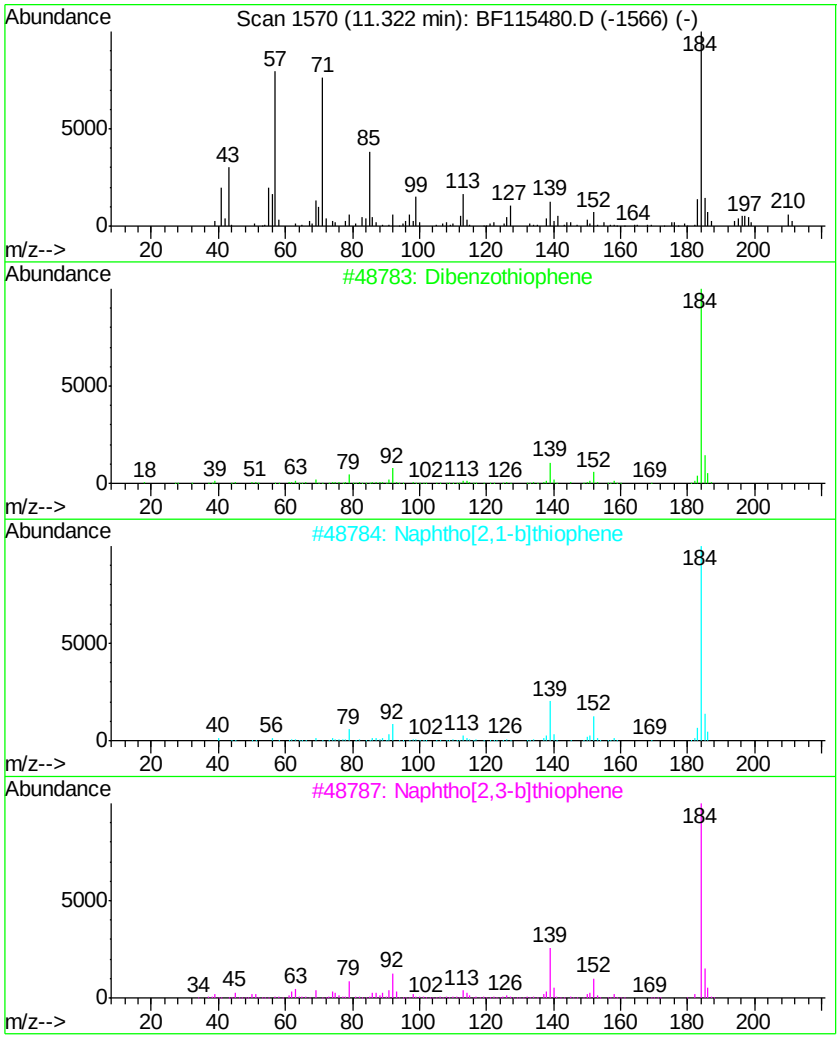
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

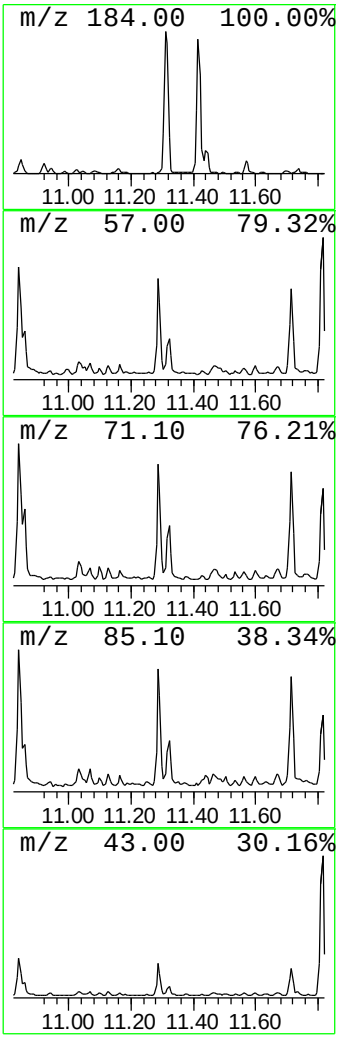
****

Peak Number 5 Dibenzothiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.32	5.56 ng	303126	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
5	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071019\
Data File : BF115480.D
Acq On : 11 Jul 2019 2:34
Operator : HP/JU
Sample : K3626-03 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-070919-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

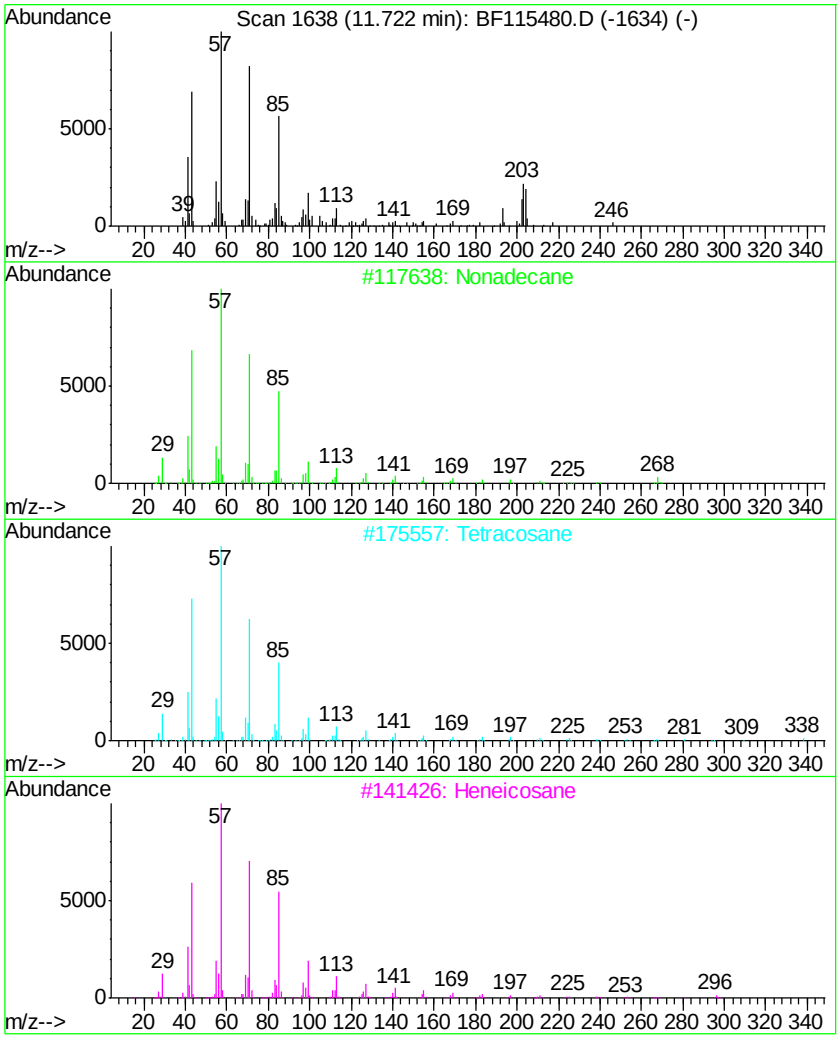
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

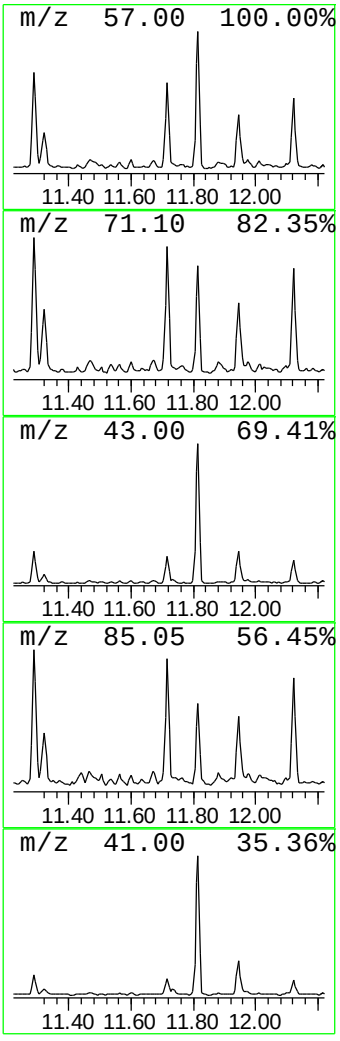
****

Peak Number 6 Nonadecane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.72	4.46 ng	243315	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	68
2	Tetracosane	338	C24H50	000646-31-1	68
3	Heneicosane	296	C21H44	000629-94-7	68
4	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	64
5	Eicosane	282	C20H42	000112-95-8	64





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071019\
Data File : BF115480.D
Acq On : 11 Jul 2019 2:34
Operator : HP/JU
Sample : K3626-03 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-070919-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

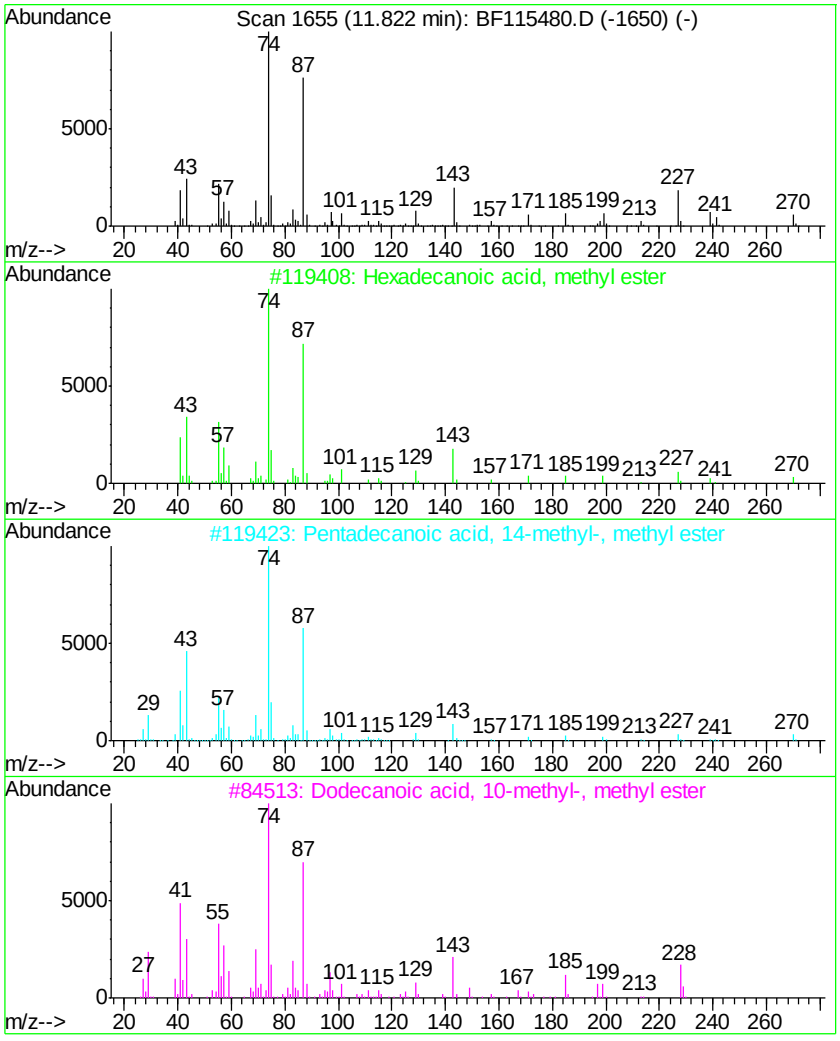
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

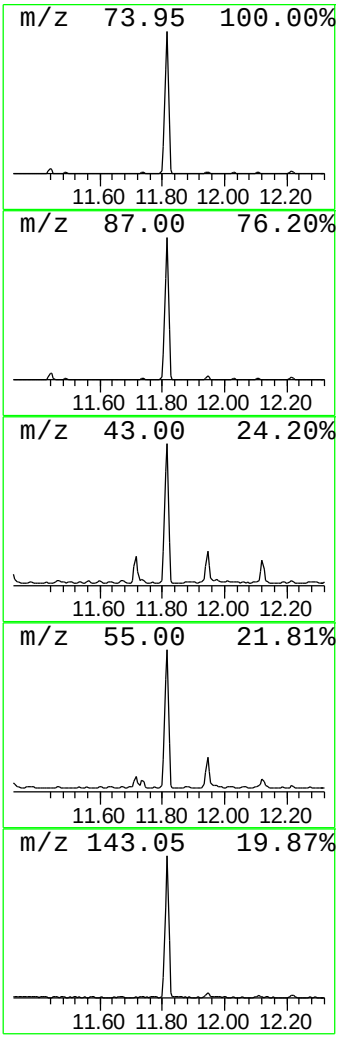
****

Peak Number 7 Hexadecanoic acid, methyl e... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	44.49 ng	2425020	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	98
2	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	95
3	Dodecanoic acid, 10-methyl-, met...	228	C14H28O2	005129-65-7	87
4	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	86
5	Hexadecanoic acid, 2-methyl-	270	C17H34O2	027147-71-3	86





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071019\
Data File : BF115480.D
Acq On : 11 Jul 2019 2:34
Operator : HP/JU
Sample : K3626-03 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-070919-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

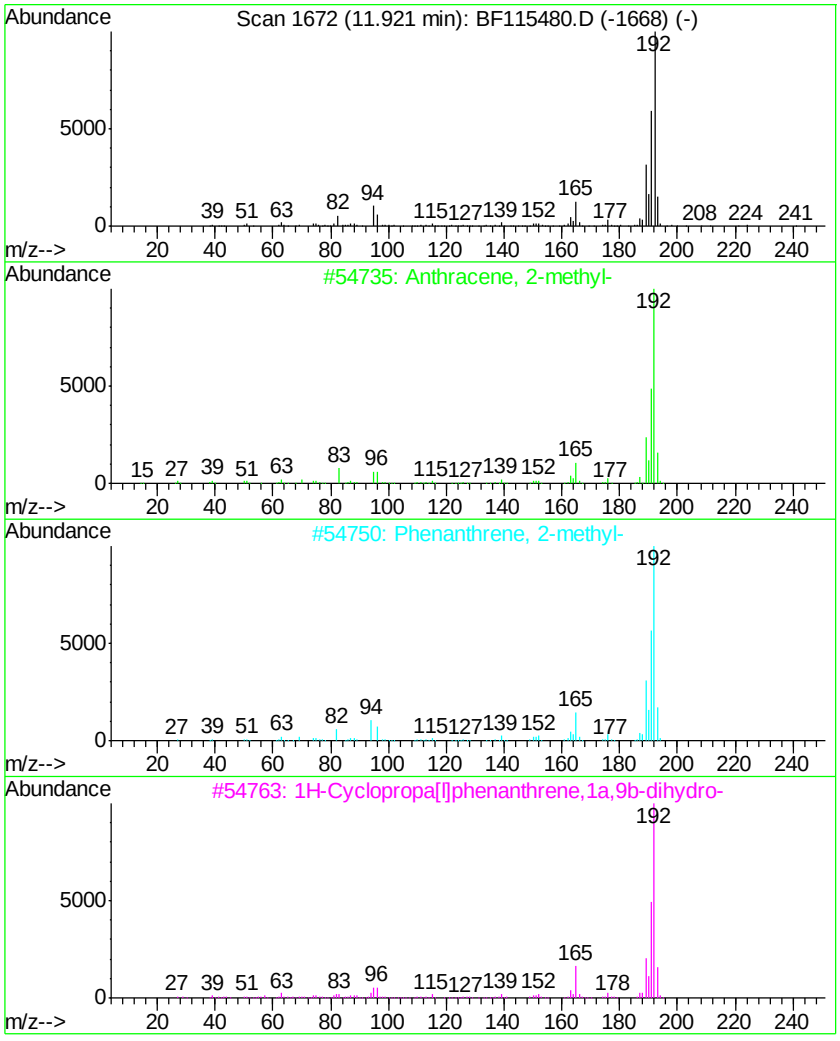
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

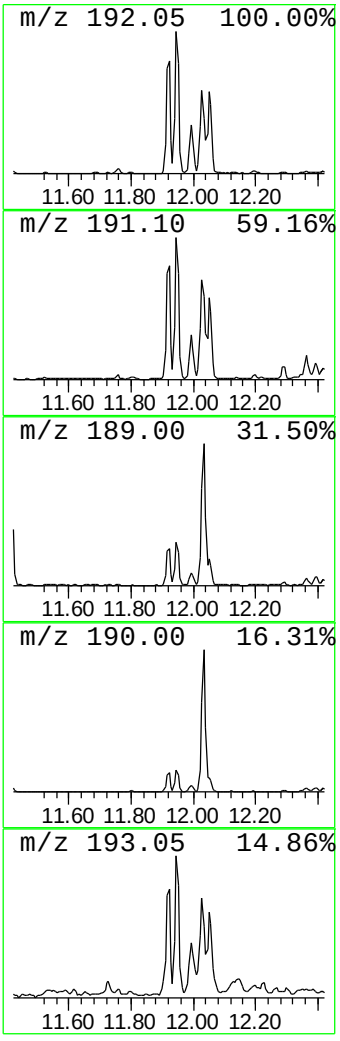
****

Peak Number 8 Anthracene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	6.48 ng	353425	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071019\
Data File : BF115480.D
Acq On : 11 Jul 2019 2:34
Operator : HP/JU
Sample : K3626-03 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-070919-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

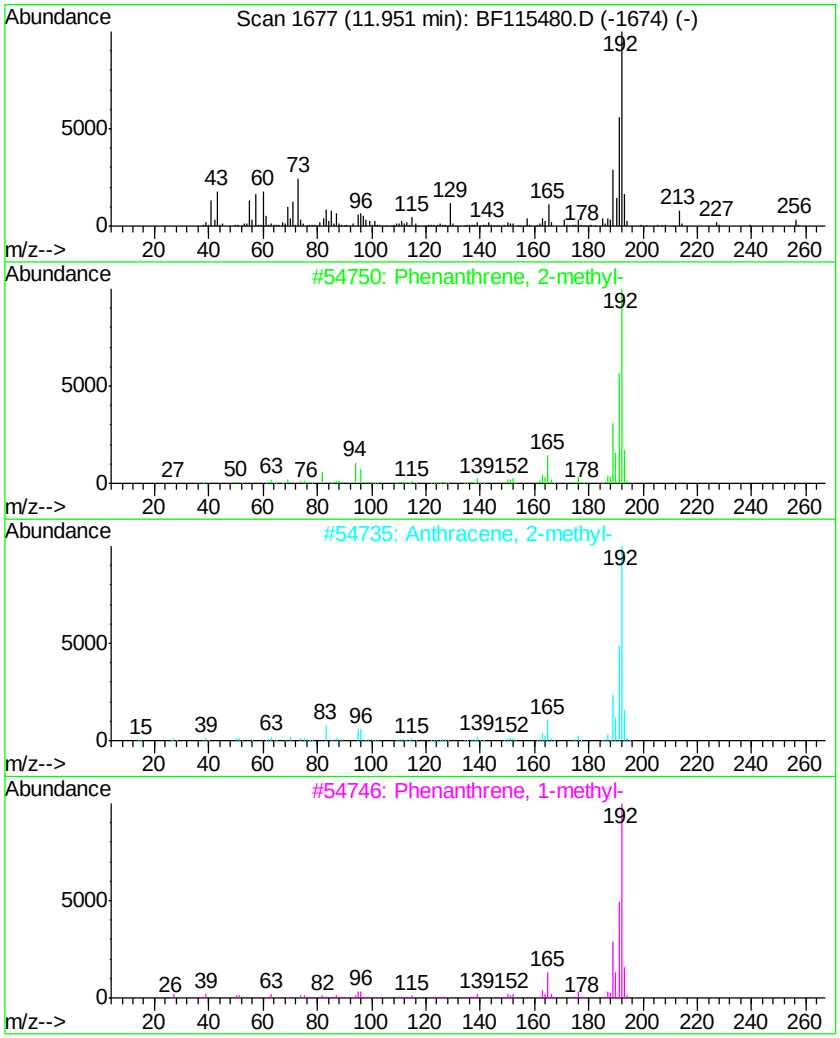
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

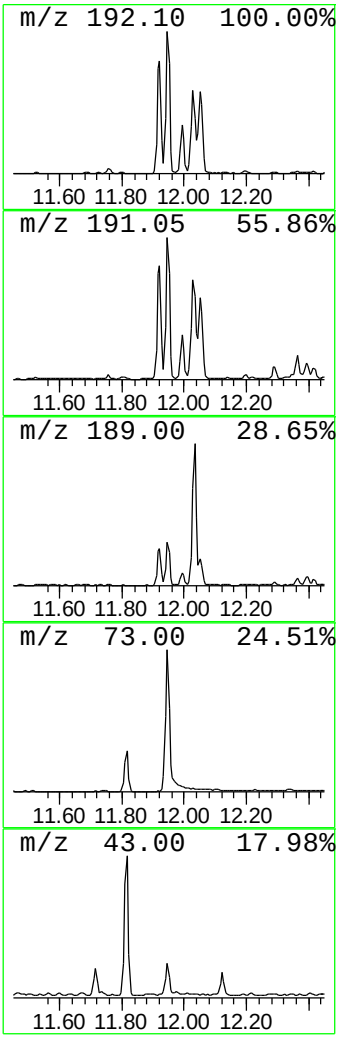
****

Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	15.12 ng	824293	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071019\
Data File : BF115480.D
Acq On : 11 Jul 2019 2:34
Operator : HP/JU
Sample : K3626-03 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-070919-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

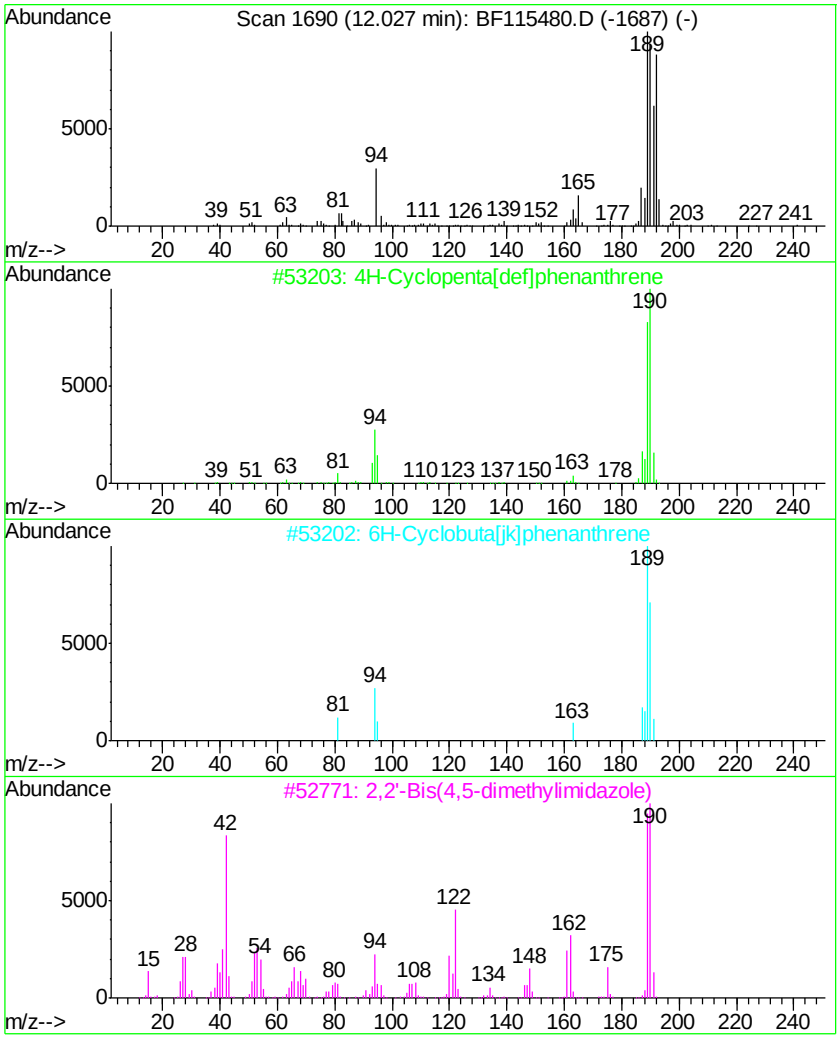
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

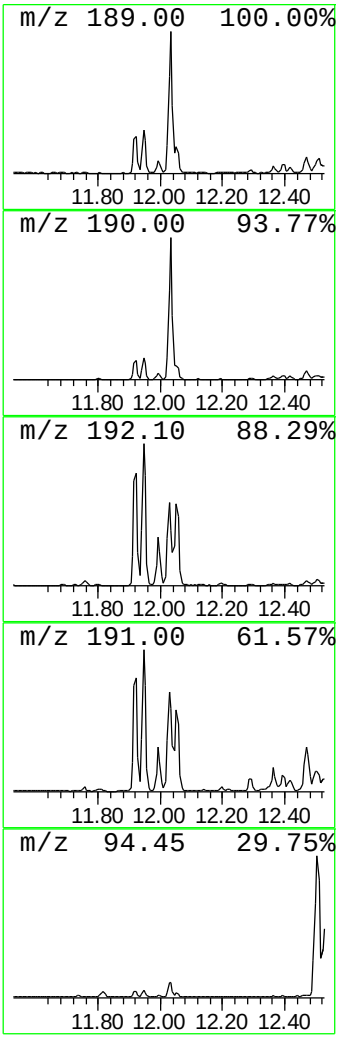
****

Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	11.38 ng	620470	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	59
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
4	2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	38
5	1,1'-Biphenyl, 4,4'-difluoro-	190	C12H8F2	000398-23-2	17





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071019\
Data File : BF115480.D
Acq On : 11 Jul 2019 2:34
Operator : HP/JU
Sample : K3626-03 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-070919-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

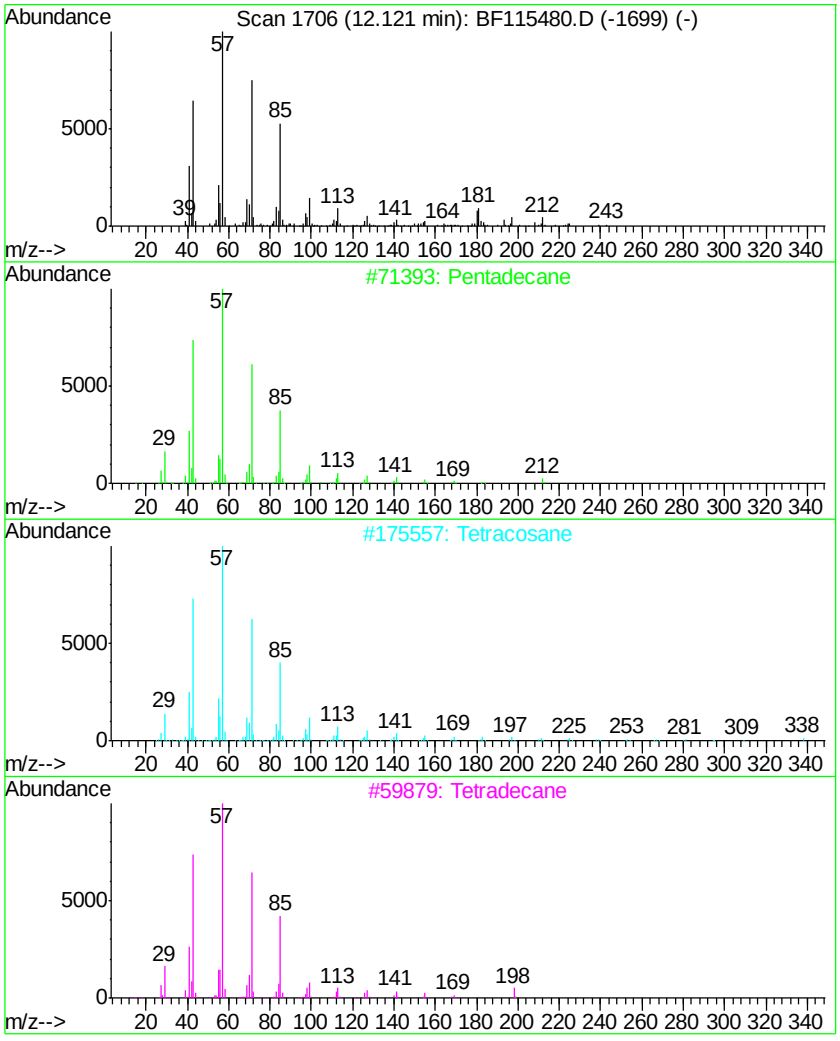
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

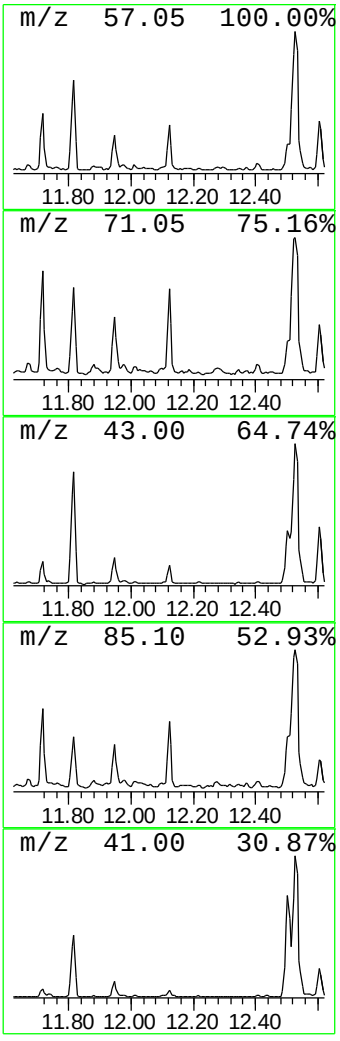
****

Peak Number 11 Pentadecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	5.62 ng	306472	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	95
2	Tetracosane	338	C24H50	000646-31-1	83
3	Tetradecane	198	C14H30	000629-59-4	83
4	Octadecane	254	C18H38	000593-45-3	80
5	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	80





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071019\
Data File : BF115480.D
Acq On : 11 Jul 2019 2:34
Operator : HP/JU
Sample : K3626-03 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-070919-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

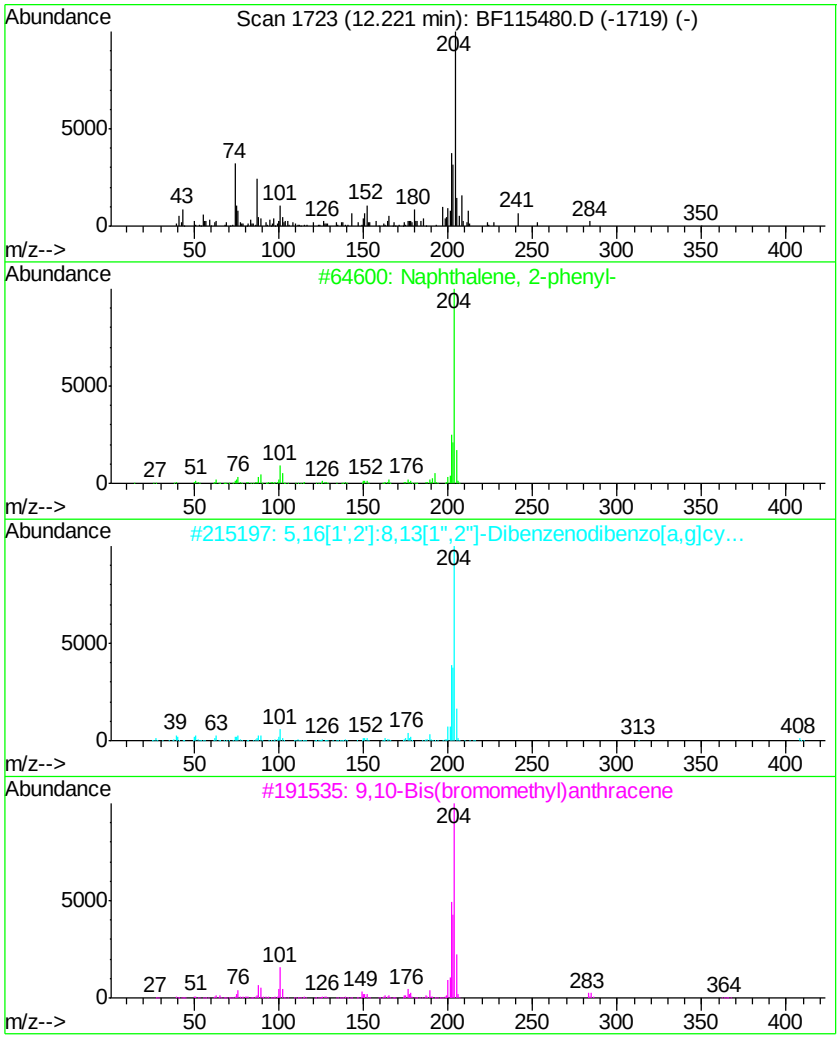
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

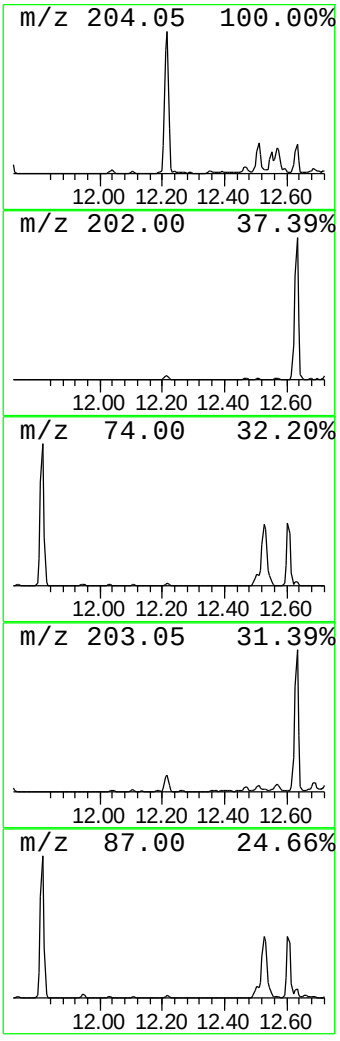
****

Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.22	4.00 ng	218218	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	83
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	53
4	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	53
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	49





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071019\
Data File : BF115480.D
Acq On : 11 Jul 2019 2:34
Operator : HP/JU
Sample : K3626-03 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-070919-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

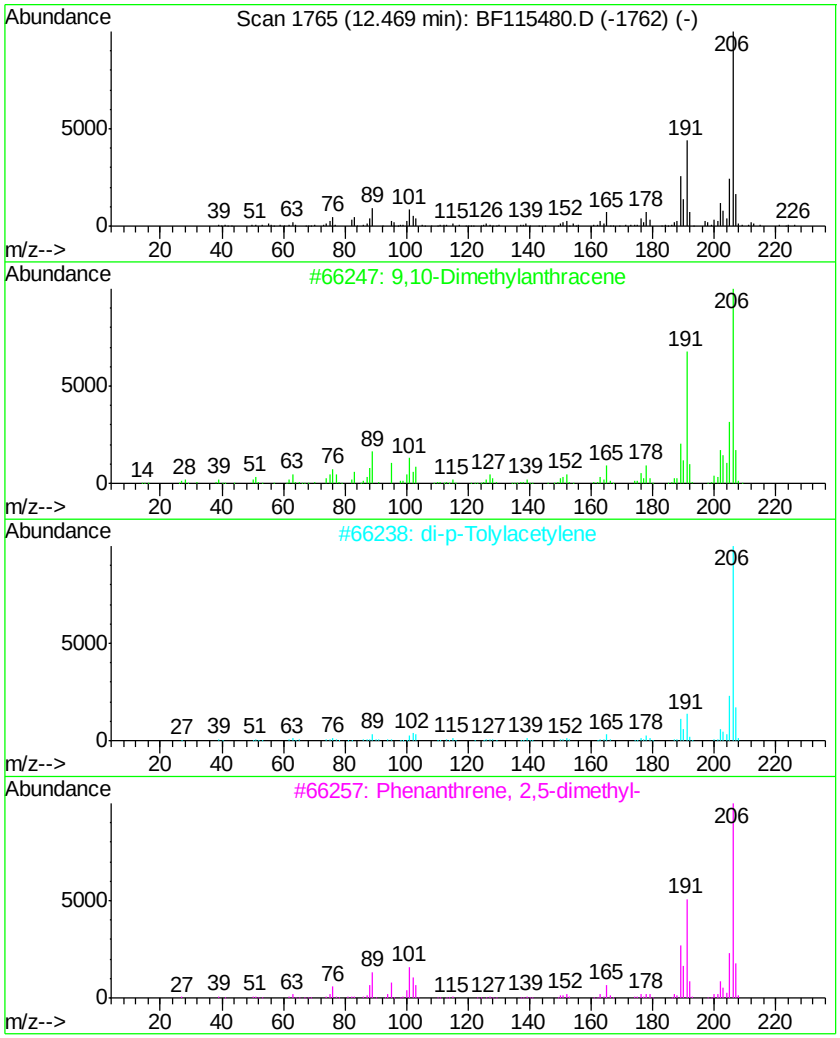
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

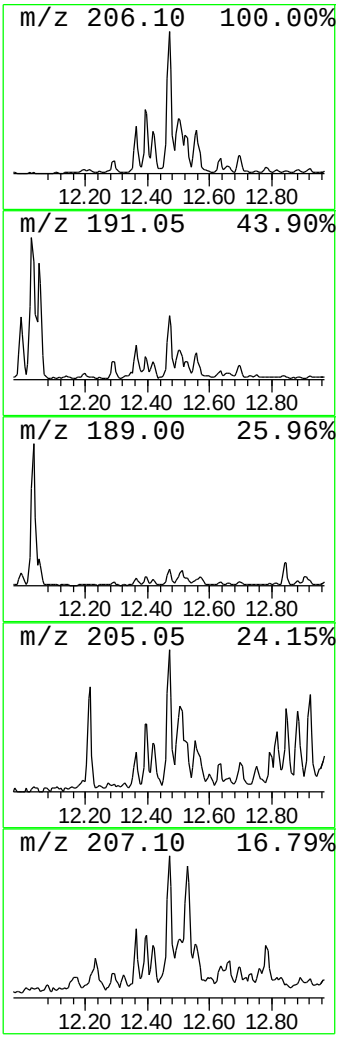
****

Peak Number 13 9,10-Dimethylanthracene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	4.10 ng	223461	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071019\
Data File : BF115480.D
Acq On : 11 Jul 2019 2:34
Operator : HP/JU
Sample : K3626-03 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-070919-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

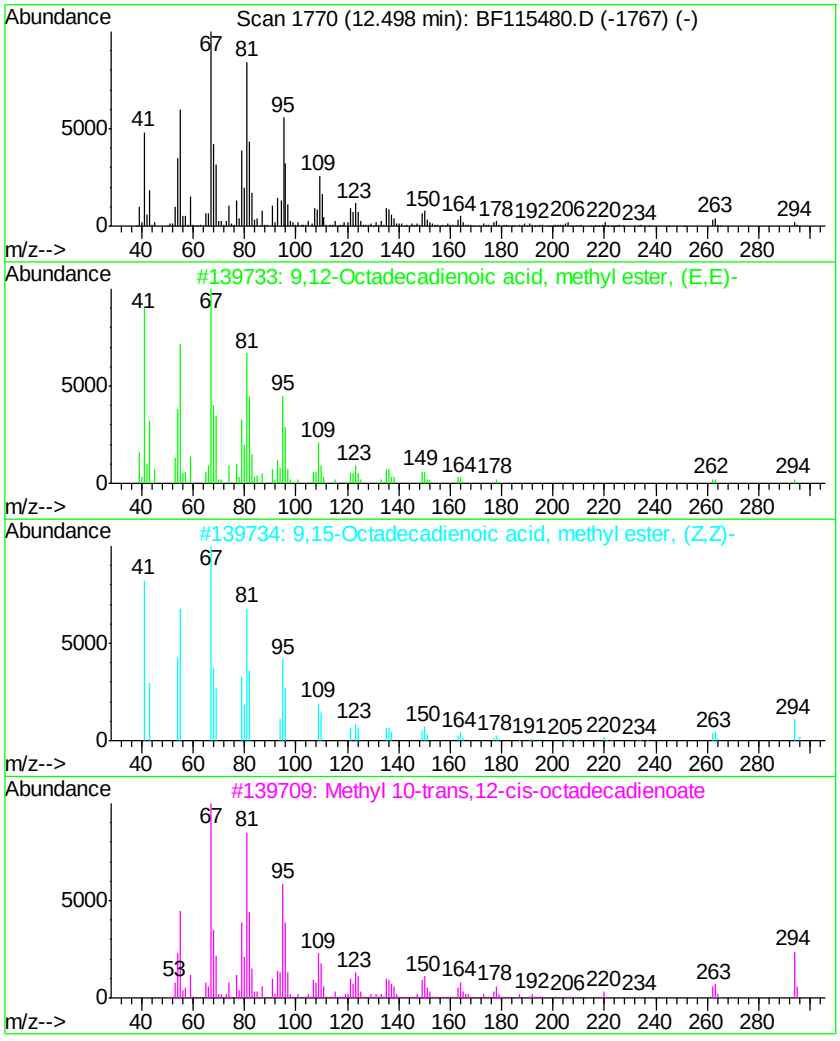
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

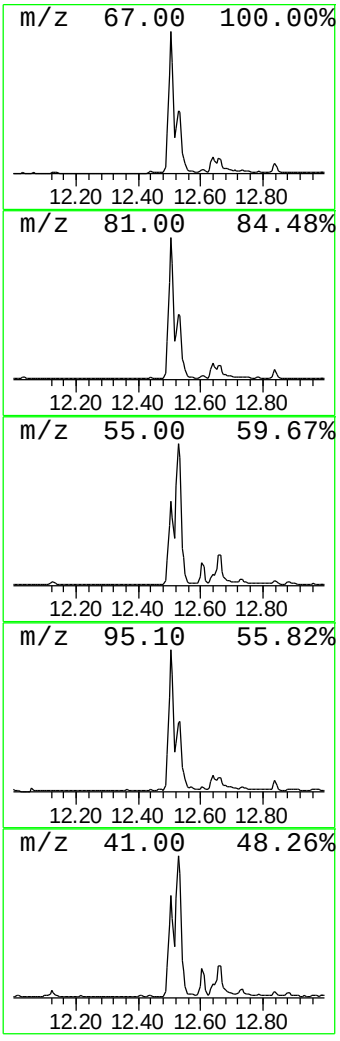
****

Peak Number 14 9,12-Octadecadienoic acid, ... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	105.46 ng	5747820	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
2	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99
3	Methyl 10-trans,12-cis-octadecad...	294	C19H34O2	1000336-44-2	98
4	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	98
5	11,14-Octadecadienoic acid, meth...	294	C19H34O2	056554-61-1	98





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071019\
Data File : BF115480.D
Acq On : 11 Jul 2019 2:34
Operator : HP/JU
Sample : K3626-03 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-070919-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

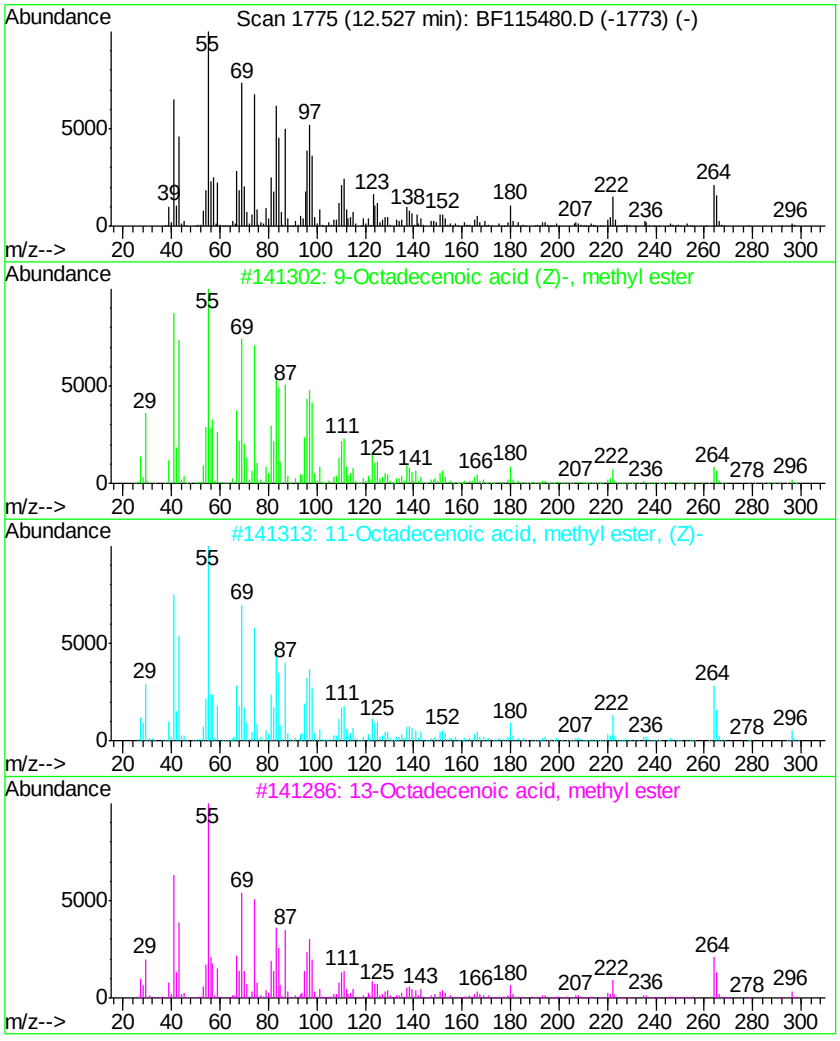
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

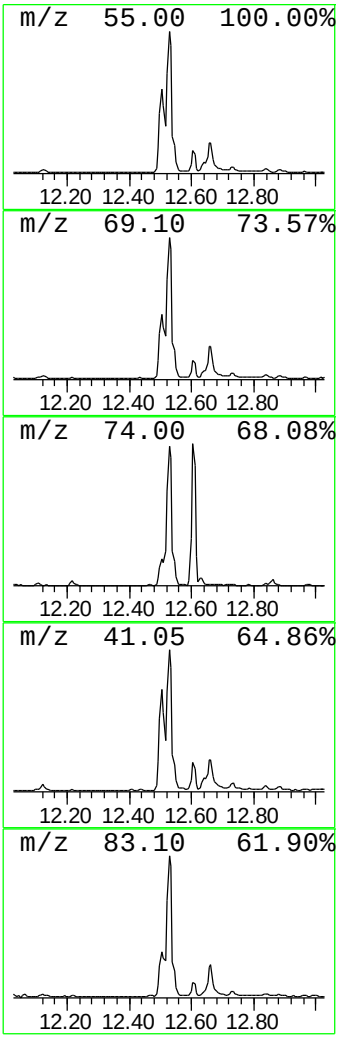
****

Peak Number 15 9-Octadecenoic acid (Z)-, m... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	132.89 ng	7242510	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	11-Octadecenoic acid, methyl est...	296	C19H36O2	001937-63-9	99
3	13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	99
4	15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	99
5	12-Octadecenoic acid, methyl ester	296	C19H36O2	056554-46-2	99





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071019\
Data File : BF115480.D
Acq On : 11 Jul 2019 2:34
Operator : HP/JU
Sample : K3626-03 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-070919-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

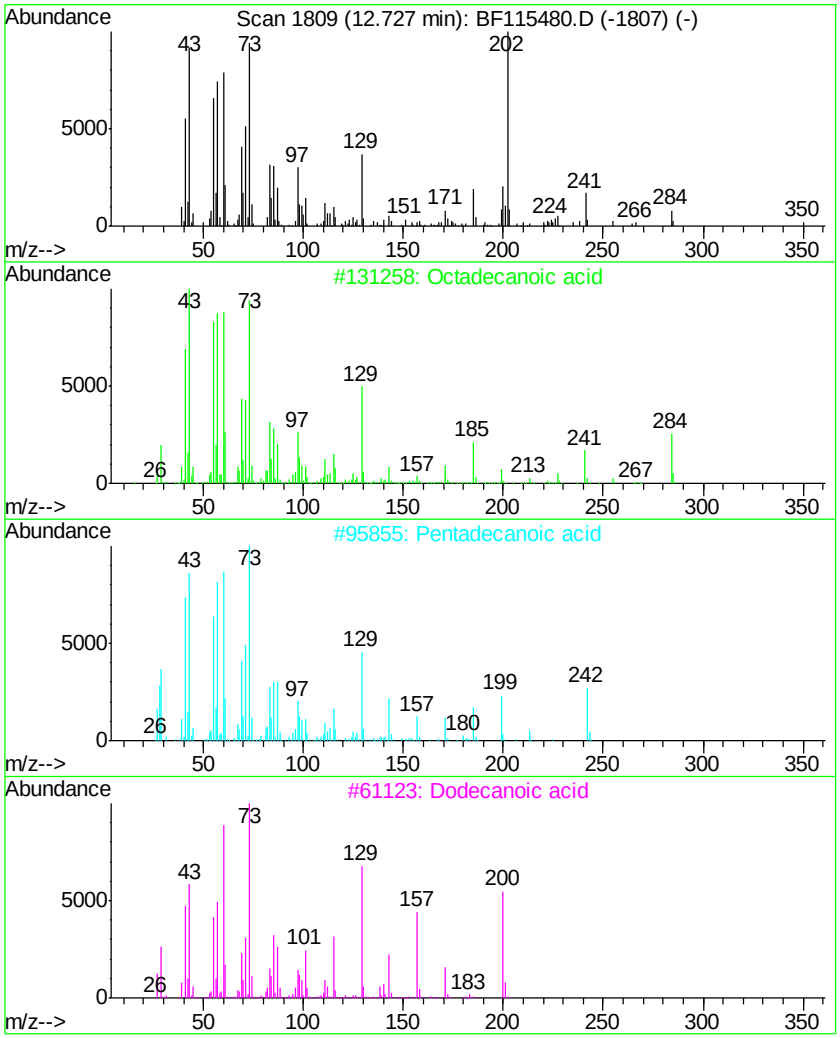
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

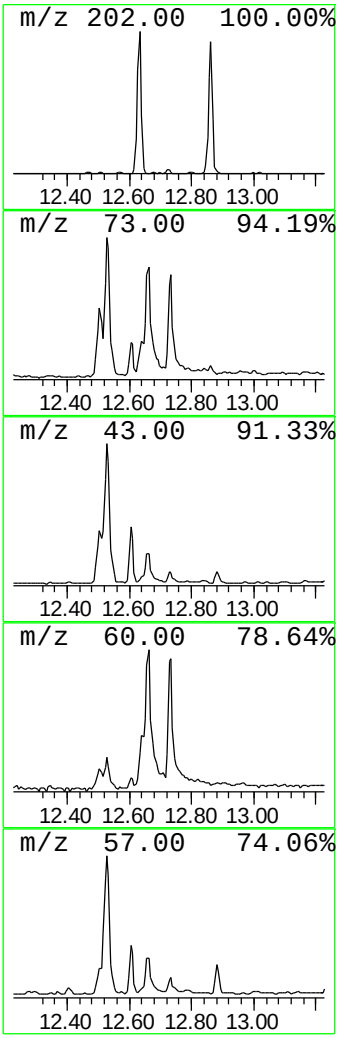
****

Peak Number 16 Octadecanoic acid Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.73	8.38 ng	456820	Phenanthrene-d10	11.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	98
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	70
3	Dodecanoic acid	200	C12H24O2	000143-07-7	60
4	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	58
5	Tridecanoic acid	214	C13H26O2	000638-53-9	47





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071019\
Data File : BF115480.D
Acq On : 11 Jul 2019 2:34
Operator : HP/JU
Sample : K3626-03 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-070919-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

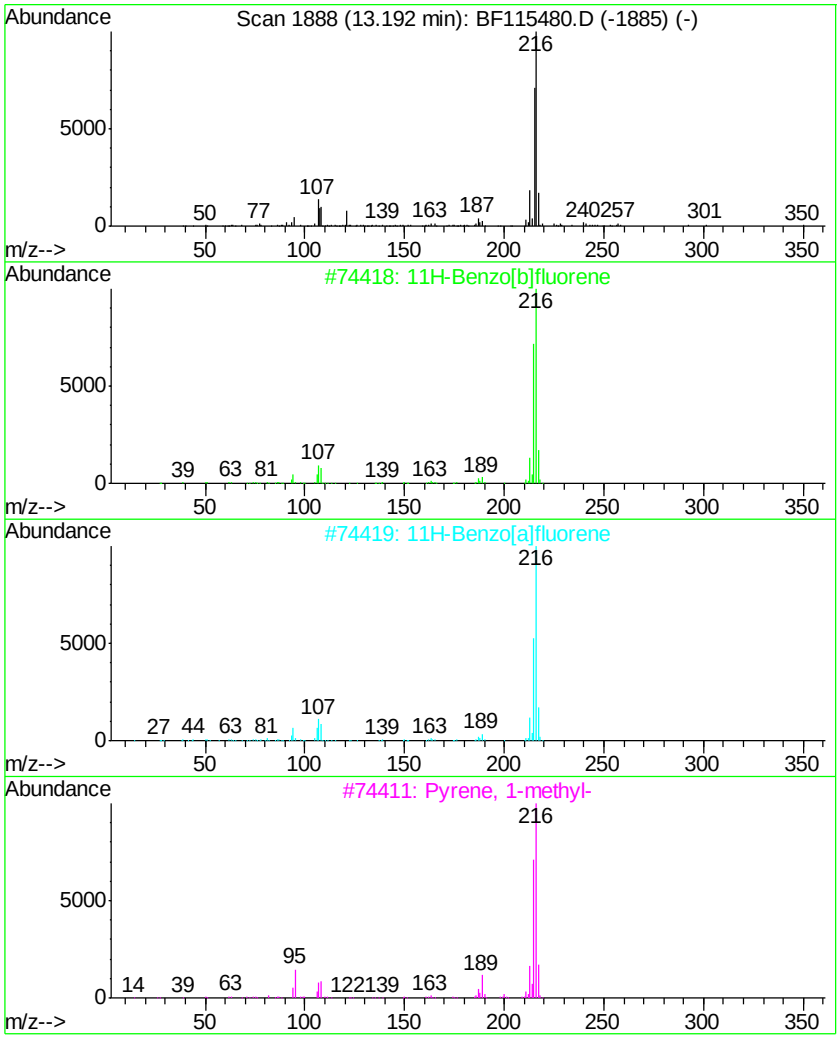
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

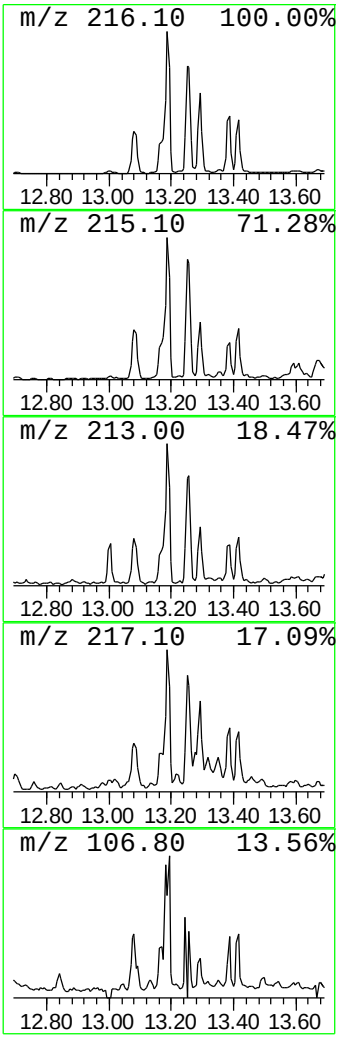
****

Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.19	4.17 ng	431817	Chrysene-d12	14.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	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\BF071019\
Data File : BF115480.D
Acq On : 11 Jul 2019 2:34
Operator : HP/JU
Sample : K3626-03 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-070919-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

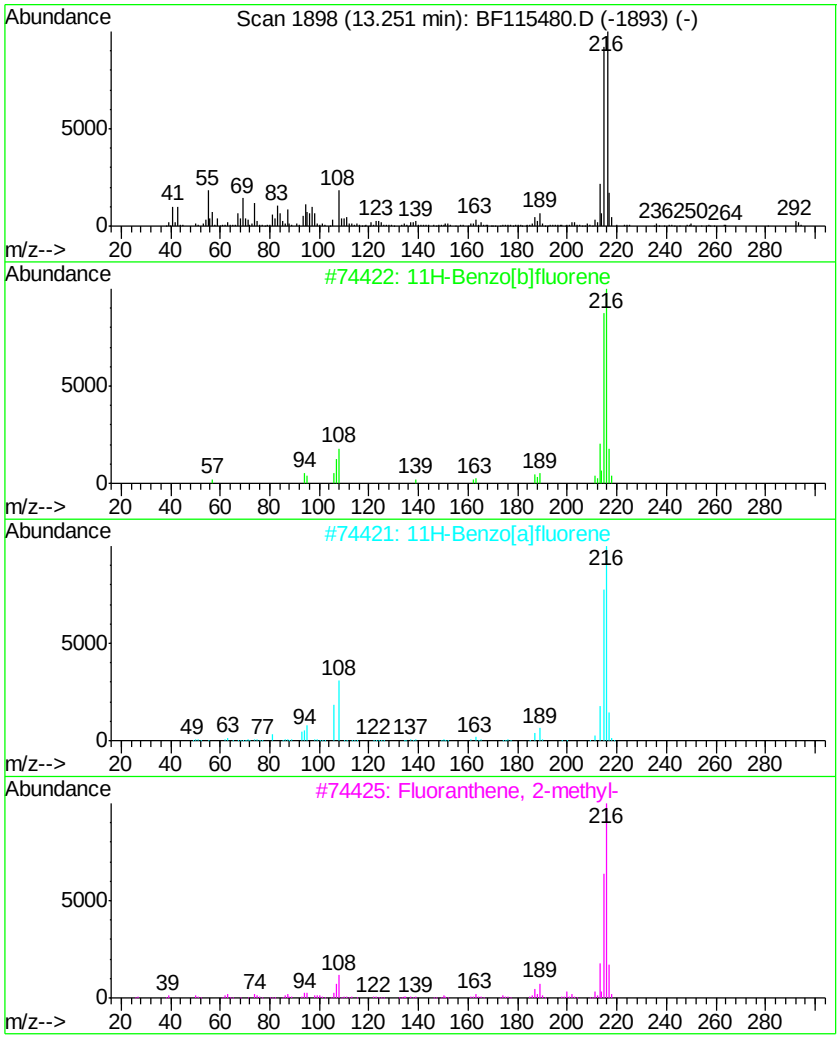
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

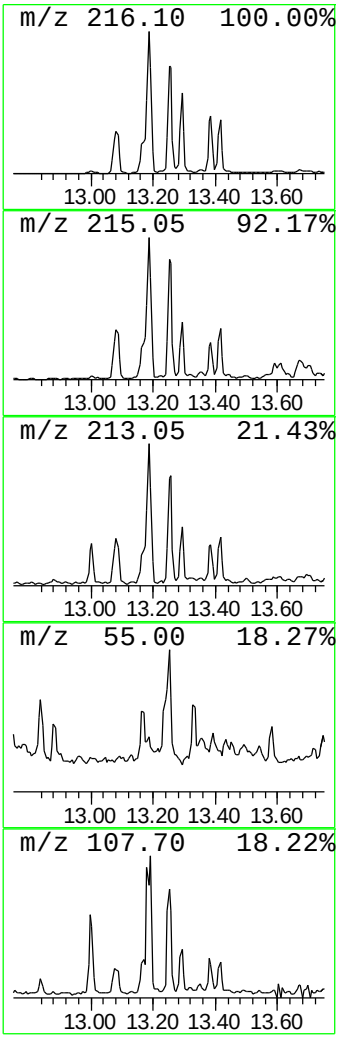
****

Peak Number 18 11H-Benzo[a]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.25	6.11 ng	631920	Chrysene-d12	14.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	58





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071019\
Data File : BF115480.D
Acq On : 11 Jul 2019 2:34
Operator : HP/JU
Sample : K3626-03 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-070919-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

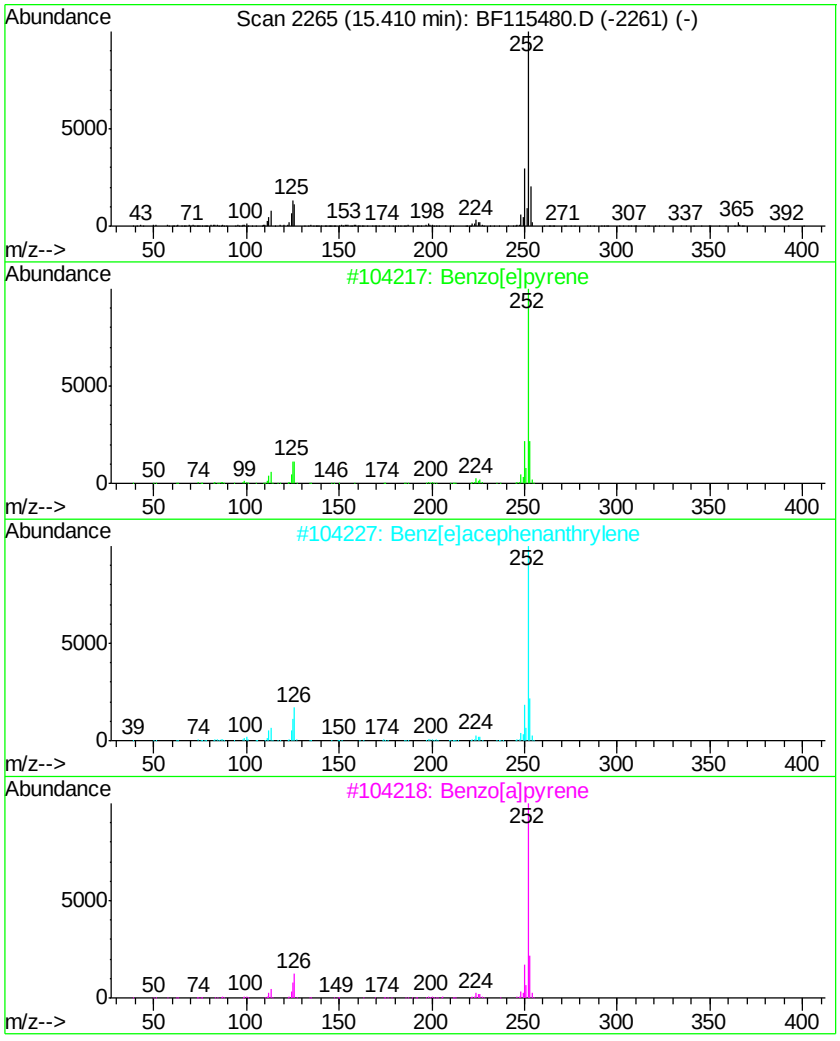
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

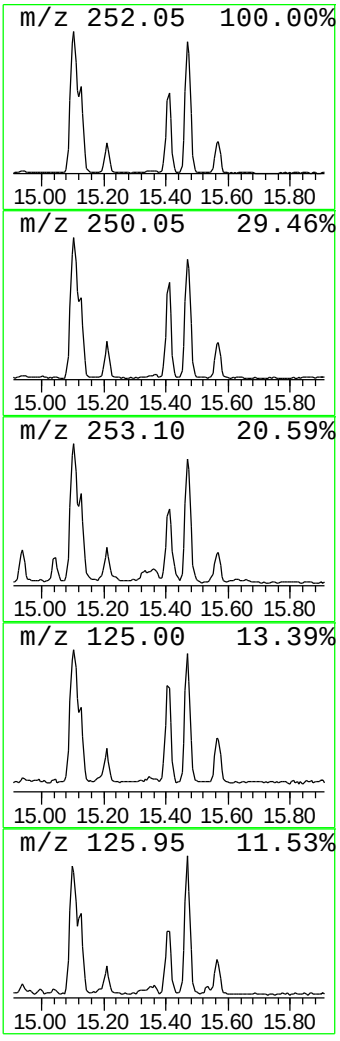
****

Peak Number 19 Benzo[e]pyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.41	8.48 ng	464904	Perylene-d12	15.54

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	97
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Perylene	252	C20H12	000198-55-0	89
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071019\
Data File : BF115480.D
Acq On : 11 Jul 2019 2:34
Operator : HP/JU
Sample : K3626-03 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-070919-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

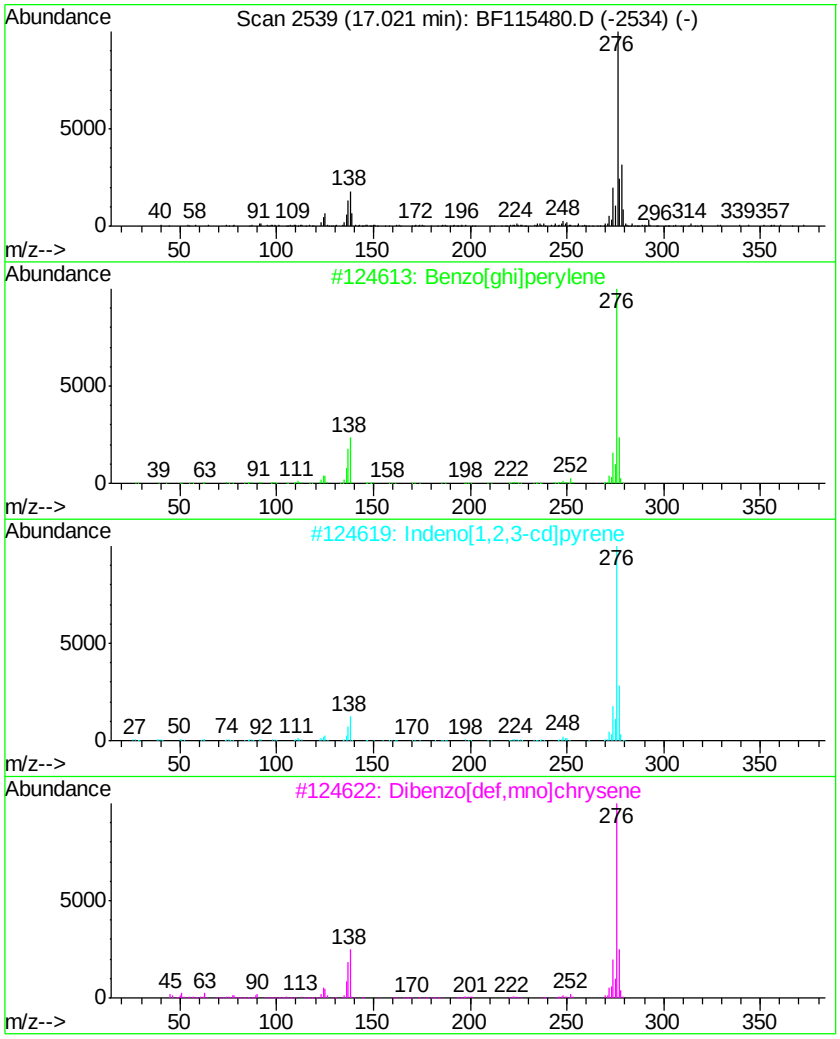
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

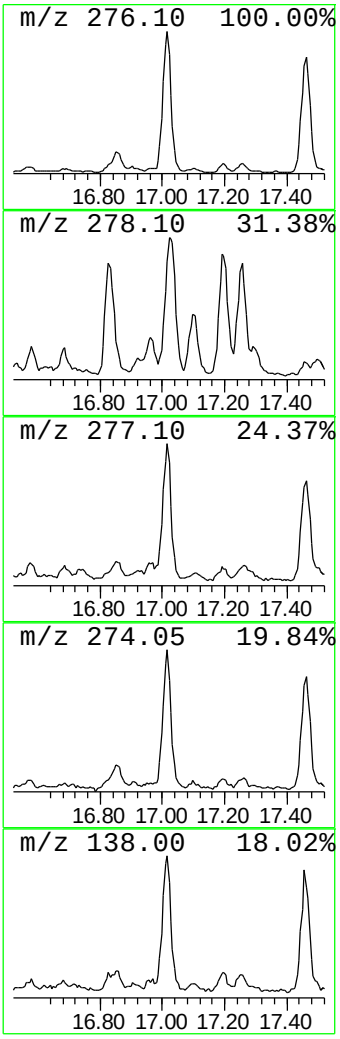
****

Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.02	6.06 ng	332022	Perylene-d12	15.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]perylene	276	C22H12	000191-24-2	97
2	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	93
3	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	89
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	89
5	2-Thiophenecarbaldehyde, 5-[5-(t...	276	C13H8OS3	1000217-28-5	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF071019\
Data File : BF115480.D
Acq On : 11 Jul 2019 2:34
Operator : HP/JU
Sample : K3626-03 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-070919-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF070519.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...	2.16	22.3	ng	921760	1	6.89	828563	20.0
unknown6.66	6.66	35.5	ng	1471400	1	6.89	828563	20.0
Tridecane	10.84	7.2	ng	389856	4	11.42	1090020	20.0
Dibenzothiophene	11.32	5.6	ng	303126	4	11.42	1090020	20.0
Nonadecane	11.72	4.5	ng	243315	4	11.42	1090020	20.0
Hexadecanoic acid...	11.82	44.5	ng	2425020	4	11.42	1090020	20.0
Anthracene, 2-met...	11.92	6.5	ng	353425	4	11.42	1090020	20.0
Phenanthrene, 2-m...	11.95	15.1	ng	824293	4	11.42	1090020	20.0
4H-Cyclopenta[def...	12.03	11.4	ng	620470	4	11.42	1090020	20.0
Pentadecane	12.12	5.6	ng	306472	4	11.42	1090020	20.0
Naphthalene, 2-ph...	12.22	4.0	ng	218218	4	11.42	1090020	20.0
9,10-Dimethylanth...	12.47	4.1	ng	223461	4	11.42	1090020	20.0
9,12-Octadecadien...	12.50	105.5	ng	5747820	4	11.42	1090020	20.0
9-Octadecenoic ac...	12.53	132.9	ng	7242510	4	11.42	1090020	20.0
Octadecanoic acid	12.73	8.4	ng	456820	4	11.42	1090020	20.0
11H-Benzo[b]fluorene	13.19	4.2	ng	431817	5	14.06	2068710	20.0
11H-Benzo[a]fluorene	13.25	6.1	ng	631920	5	14.06	2068710	20.0
Benzo[e]pyrene	15.41	8.5	ng	464904	6	15.54	1095910	20.0
Dibenzo[def,mno]c...	17.02	6.1	ng	332022	6	15.54	1095910	20.0