LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114167.D
Acq On : 11 May 2019 21:48
Operator : JU/SJ
Sample : K2765-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS002-1218-02

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.110	3	4	21	rVB	1481380	1567131	20.28%	1.410%
2	5.481	572	577	580	rBV	6877114	7132052	92.31%	6.415%
3	6.492	743	749	752	rBV	6681936	7726299	100.00%	6.950%
4	6.622	767	771	775	rBV	7159998	7370215	95.39%	6.629%
5	6.851	806	810	813	rBV	1923933	1613658	20.89%	1.451%
6	7.010	832	837	840	rBV	5854750	5326717	68.94%	4.791%
7	7.410	900	905	908	rBV	5024941	4666652	60.40%	4.198%
8	8.128	1023	1027	1030	rBV	2330851	1950133	25.24%	1.754%
9	8.151	1030	1031	1036	rVB	151153	87842	1.14%	0.079%
10	9.204	1205	1210	1213	rBV	7955615	7057582	91.34%	6.348%
11	9.592	1273	1276	1281	rVB	1502159	1186248	15.35%	1.067%
12	9.739	1298	1301	1305	rBV	302415	255175	3.30%	0.230%
13	9.880	1321	1325	1329	rVB	2558595	2127709	27.54%	1.914%
14	10.427	1415	1418	1425	rVB3	62187	106520	1.38%	0.096%
15	10.669	1454	1459	1463	rBV	4959404	4950847	64.08%	4.453%
16	10.792	1477	1480	1485	rBV3	82500	106456	1.38%	0.096%
17	11.169	1541	1544	1548	rVB	146325	122915	1.59%	0.111%
18	11.233	1548	1555	1557	rVV4	48970	90678	1.17%	0.082%
19	11.263	1557	1560	1565	rVB	149467	161997	2.10%	0.146%
20	11.363	1572	1577	1579	rBV	2429475	2364563	30.60%	2.127%
21	11.386	1579	1581	1585	rVV	2067149	1784910	23.10%	1.606%
22	11.439	1588	1590	1592	rVV	212590	148557	1.92%	0.134%
23	11.469	1592	1595	1600	rVV3	142638	142817	1.85%	0.128%
24	11.657	1622	1627	1630	rVV2	216982	221089	2.86%	0.199%
25	11.698	1630	1634	1637	rVB	196079	174802	2.26%	0.157%
26	11.816	1651	1654	1659	rBV2	209642	268680	3.48%	0.242%
27	11.863	1659	1662	1665	rVV	614497	649376	8.40%	0.584%
28	11.898	1665	1668	1673	rVV	2509411	2431097	31.47%	2.187%
29	11.974	1677	1681	1683	rVV2	858113	833779	10.79%	0.750%
30	11.998	1683	1685	1690	rVB	585642	507868	6.57%	0.457%
31	12.163	1709	1713	1715	rBV	580726	552067	7.15%	0.497%
32	12.186	1715	1717	1724	rVB2	652307	589774	7.63%	0.530%
33	12.251	1724	1728	1732	rVB6	47312	84029	1.09%	0.076%
34	12.292	1732	1735	1736	rBV	111882	93213	1.21%	0.084%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114167.D
Acq On : 11 May 2019 21:48
Operator : JU/SJ
Sample : K2765-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS002-1218-02

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

35	12.310	1736	1738	1741	rVB2	124440	86032	1.11%	0.077%
36	12.363	1745	1747	1750	rVB2	122541	109715	1.42%	0.099%
37	12.416	1750	1756	1759	rBV2	571557	691447	8.95%	0.622%
38	12.451	1759	1762	1764	rVV2	232130	224492	2.91%	0.202%
39	12.474	1764	1766	1768	rVB	154867	113317	1.47%	0.102%
40	12.498	1768	1770	1775	rBV2	434720	492811	6.38%	0.443%
41	12.580	1778	1784	1787	rBV	2587078	2558937	33.12%	2.302%
42	12.639	1793	1794	1797	rVB2	118080	93224	1.21%	0.084%
43	12.674	1797	1800	1803	rBV2	797603	726178	9.40%	0.653%
44	12.704	1803	1805	1808	rVB	229143	172810	2.24%	0.155%
45	12.810	1818	1823	1828	rVV	4436011	4240869	54.89%	3.815%
46	12.863	1828	1832	1835	rVB4	155952	216417	2.80%	0.195%
47	12.951	1843	1847	1850	rBV	6913671	6449404	83.47%	5.801%
48	13.021	1856	1859	1866	rBV2	433373	642308	8.31%	0.578%
49	13.080	1866	1869	1871	rVV3	126878	112604	1.46%	0.101%
50	13.110	1871	1874	1876	rVV2	384602	480206	6.22%	0.432%
51	13.133	1876	1878	1880	rVB	408574	345812	4.48%	0.311%
52	13.198	1887	1889	1893	rVB	159487	121801	1.58%	0.110%
53	13.239	1893	1896	1899	rBV	690226	561006	7.26%	0.505%
54	13.327	1908	1911	1914	rBV	547715	500613	6.48%	0.450%
55	13.363	1914	1917	1920	rVB	492560	448413	5.80%	0.403%
56	13.445	1929	1931	1935	rVB2	113836	117020	1.51%	0.105%
57	13.521	1939	1944	1952	rVV5	134979	333669	4.32%	0.300%
58	13.610	1956	1959	1961	rVV2	99756	121360	1.57%	0.109%
59	13.639	1961	1964	1969	rVB	455624	438286	5.67%	0.394%
60	13.751	1977	1983	1985	rBV2	402265	550514	7.13%	0.495%
61	13.780	1985	1988	1990	rVV	471231	437103	5.66%	0.393%
62	13.804	1990	1992	1995	rVV	336690	294837	3.82%	0.265%
63	13.839	1995	1998	2007	rVB3	1693054	1986940	25.72%	1.787%
64	13.921	2009	2012	2018	rVB4	89021	159169	2.06%	0.143%
65	14.004	2020	2026	2028	rBV2	2604010	3549214	45.94%	3.192%
66	14.027	2028	2030	2035	rVB	1609616	1453788	18.82%	1.308%
67	14.145	2045	2050	2052	rBV	535334	600425	7.77%	0.540%
68	14.163	2052	2053	2061	rVB3	356166	393229	5.09%	0.354%
69	14.257	2067	2069	2072	rVB2	147697	128065	1.66%	0.115%
70	14.357	2083	2086	2088	rBV2	140169	151230	1.96%	0.136%
71	14.392	2088	2092	2095	rVV	451120	513827	6.65%	0.462%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114167.D
Acq On : 11 May 2019 21:48
Operator : JU/SJ
Sample : K2765-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS002-1218-02

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

72	14.427	2095	2098	2101	rVV2	322656	341278	4.42%	0.307%
73	14.474	2101	2106	2110	rVV4	712464	966339	12.51%	0.869%
74	14.515	2111	2113	2115	rVV	268967	263358	3.41%	0.237%
75	14.539	2115	2117	2120	rVV	253442	230691	2.99%	0.208%
76	14.592	2123	2126	2129	rVB	165842	159245	2.06%	0.143%
77	14.757	2151	2154	2156	rBV	149272	157999	2.04%	0.142%
78	14.780	2156	2158	2160	rVV	427735	358608	4.64%	0.323%
79	14.804	2160	2162	2167	rVB2	224343	269818	3.49%	0.243%
80	14.857	2167	2171	2180	rBV	941009	1170382	15.15%	1.053%
81	15.045	2198	2203	2211	rVB	1045218	1940264	25.11%	1.745%
82	15.115	2211	2215	2218	rVV	426814	468480	6.06%	0.421%
83	15.151	2218	2221	2225	rVB	234990	299638	3.88%	0.270%
84	15.345	2249	2254	2260	rVB	895032	1121797	14.52%	1.009%
85	15.410	2260	2265	2270	rBV	960216	1185934	15.35%	1.067%
86	15.468	2270	2275	2278	rBV	1534474	2120628	27.45%	1.907%
87	15.645	2301	2305	2308	rBV2	63488	98103	1.27%	0.088%
88	15.821	2333	2335	2339	rVB	74210	87450	1.13%	0.079%
89	15.927	2345	2353	2358	rBV	317658	574042	7.43%	0.516%
90	15.986	2358	2363	2367	rVV4	208428	398354	5.16%	0.358%
91	16.074	2375	2378	2389	rVB	190089	348945	4.52%	0.314%
92	16.427	2434	2438	2442	rBV	111387	161081	2.08%	0.145%
93	16.592	2462	2466	2479	rVB4	156502	352162	4.56%	0.317%
94	16.774	2493	2497	2502	rVB2	116876	190809	2.47%	0.172%
95	16.921	2517	2522	2531	rVB2	465744	918191	11.88%	0.826%
96	17.015	2533	2538	2545	rVB3	88117	172673	2.23%	0.155%
97	17.104	2548	2553	2558	rBV4	125762	258679	3.35%	0.233%
98	17.368	2591	2598	2607	rVB	516595	1075885	13.92%	0.968%
99	17.509	2618	2622	2633	rVB	110855	262691	3.40%	0.236%
100	18.009	2703	2707	2712	rVB8	81602	150303	1.95%	0.135%

Sum of corrected areas: 111174366

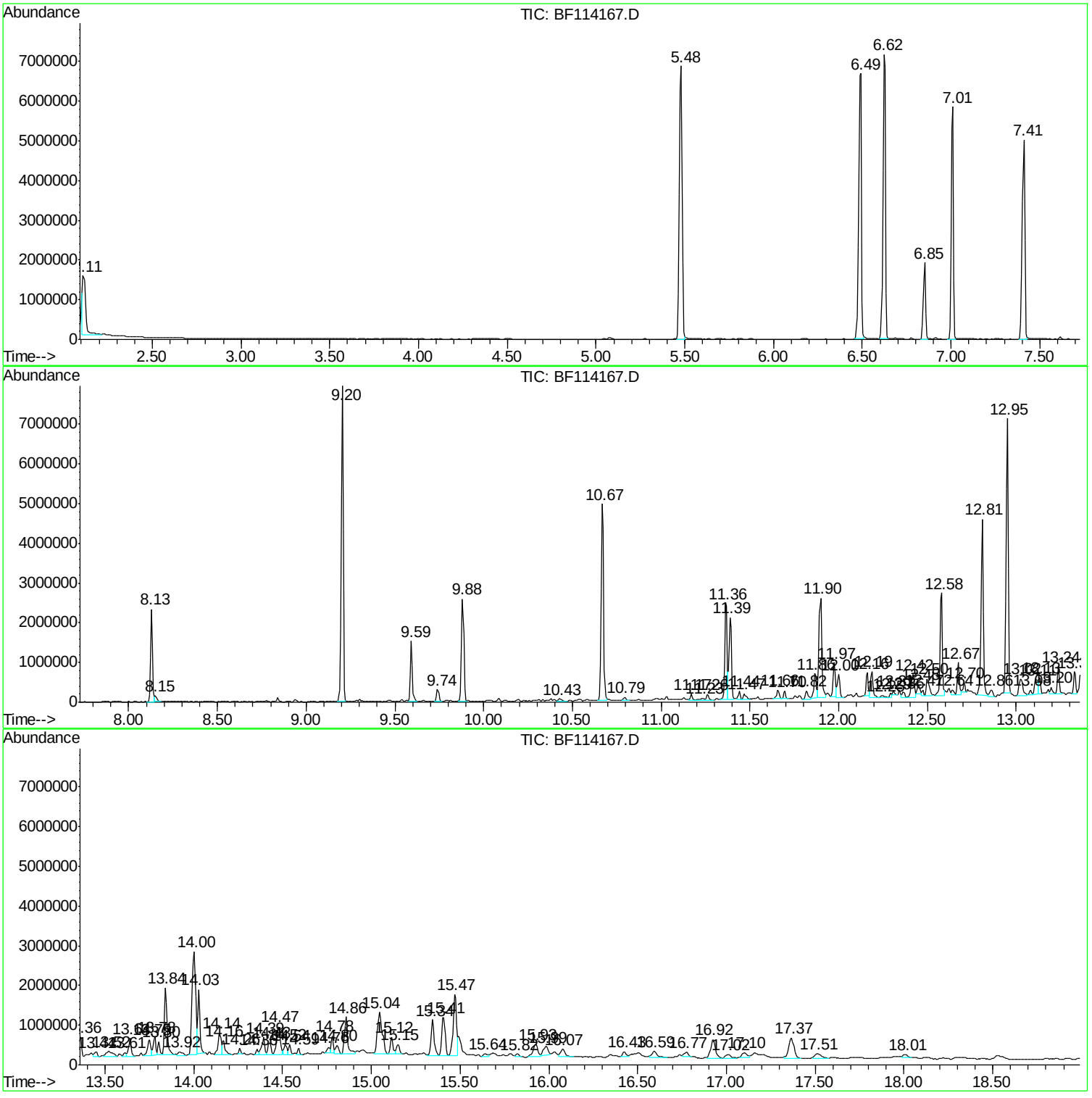
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114167.D
Acq On : 11 May 2019 21:48
Operator : JU/SJ
Sample : K2765-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS002-1218-02

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

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114167.D
Acq On : 11 May 2019 21:48
Operator : JU/SJ
Sample : K2765-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS002-1218-02

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

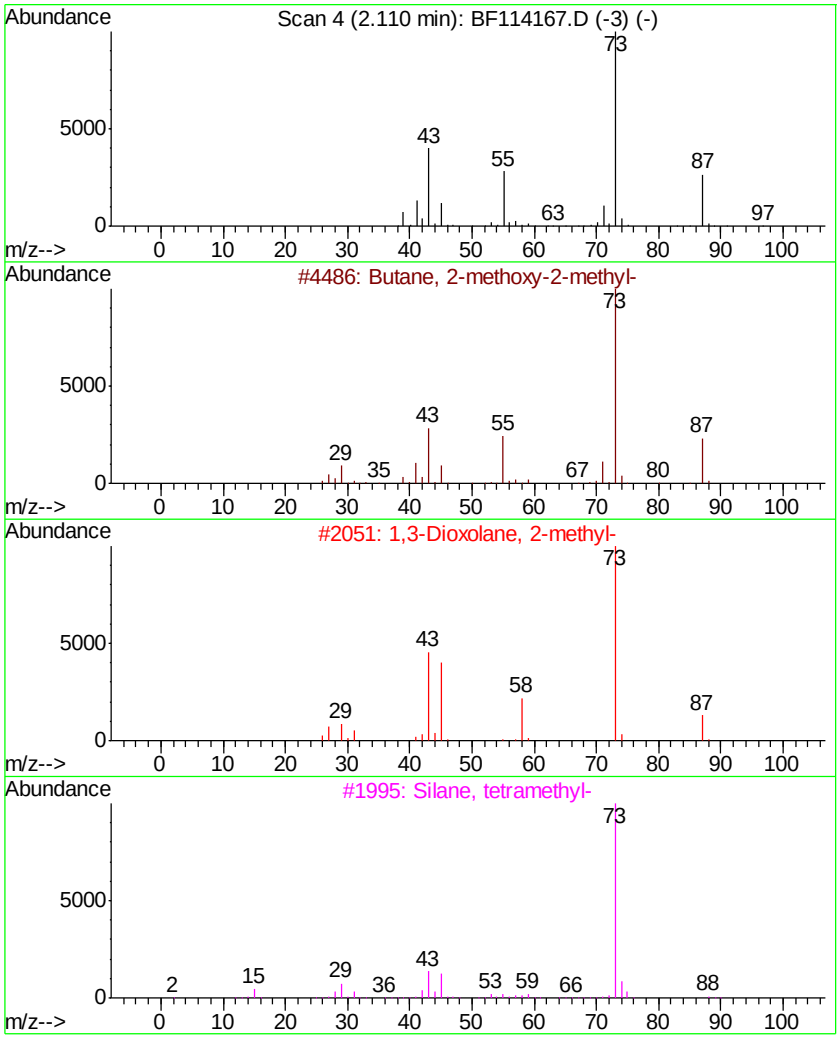
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

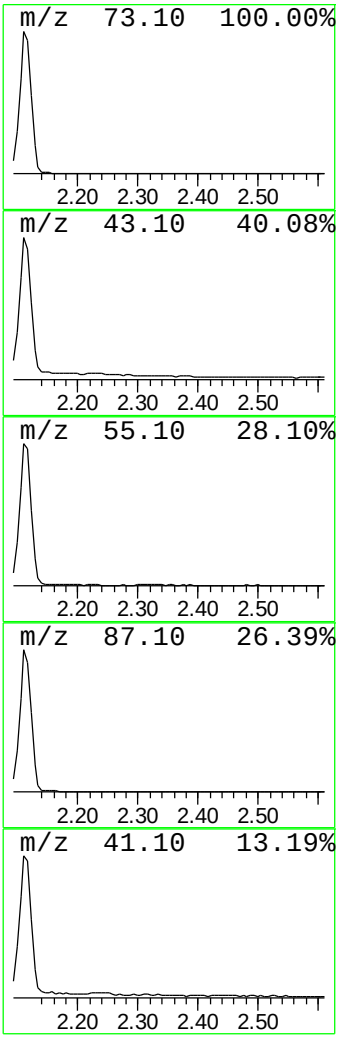
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.11	19.42 ng	1567130	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	64
2	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	38
3	Silane, tetramethyl-	88	C4H12Si	000075-76-3	23
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
5	Borane, dimethoxy-	74	C2H7BO2	004542-61-4	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114167.D
Acq On : 11 May 2019 21:48
Operator : JU/SJ
Sample : K2765-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS002-1218-02

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

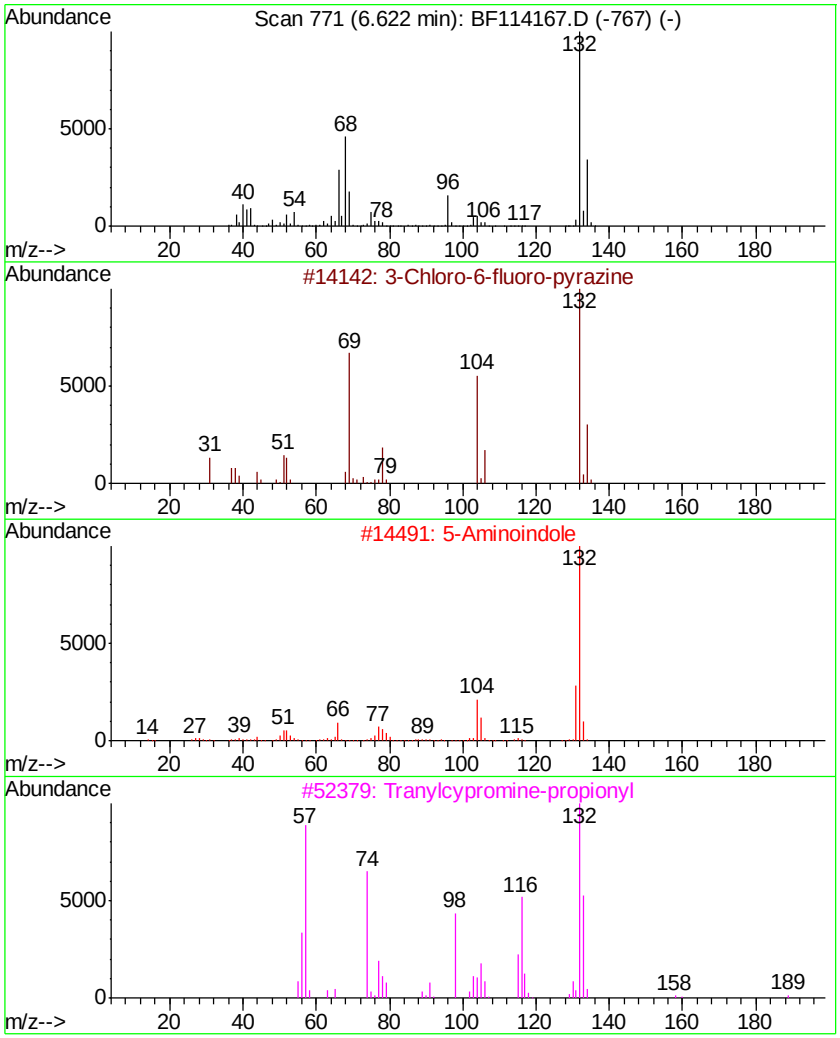
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

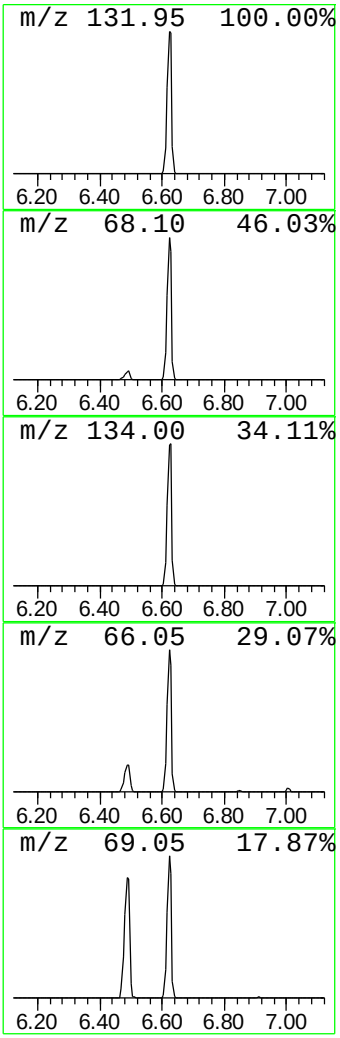
****

Peak Number 2 unknown6.62 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	91.35 ng	7370220	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
5	Xenon	132	Xe	007440-63-3	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114167.D
Acq On : 11 May 2019 21:48
Operator : JU/SJ
Sample : K2765-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS002-1218-02

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

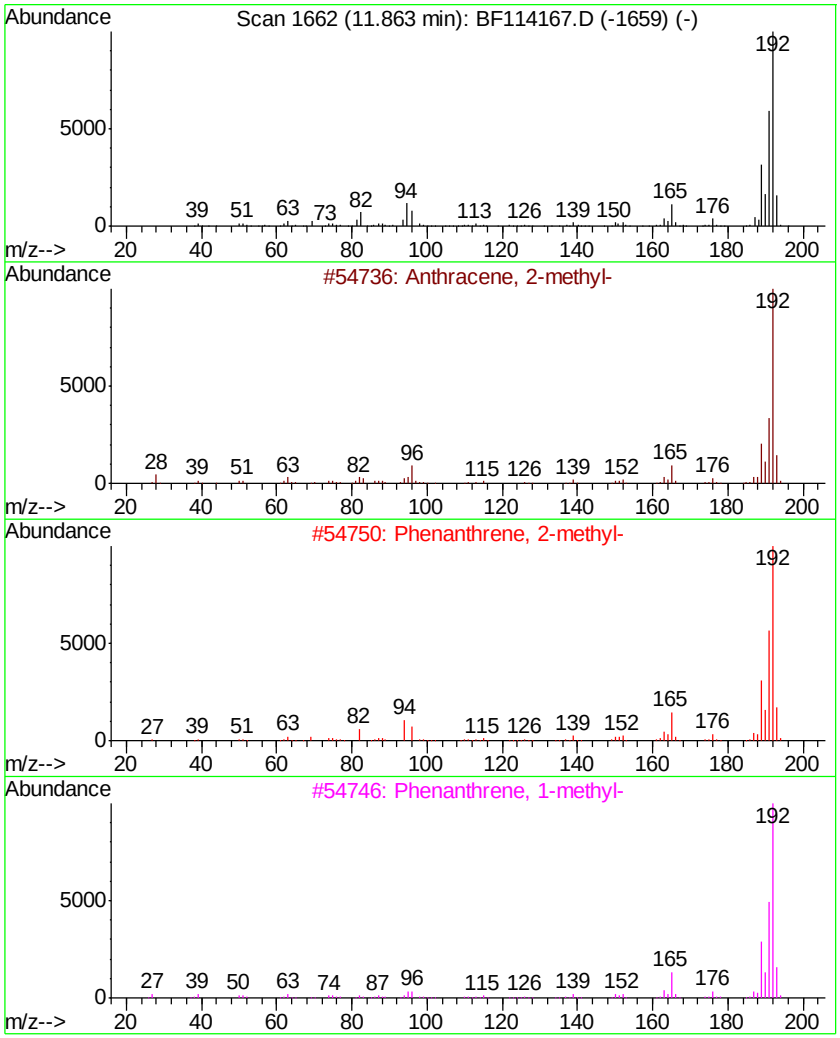
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

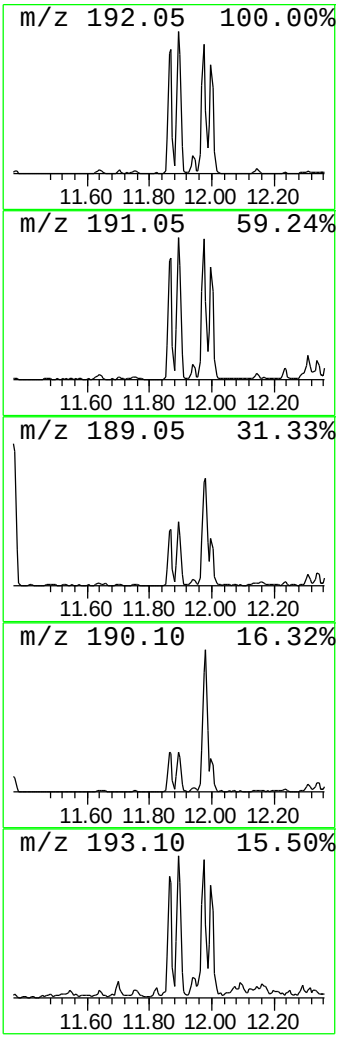
****

Peak Number 4 Anthracene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	5.49 ng	649376	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114167.D
Acq On : 11 May 2019 21:48
Operator : JU/SJ
Sample : K2765-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS002-1218-02

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

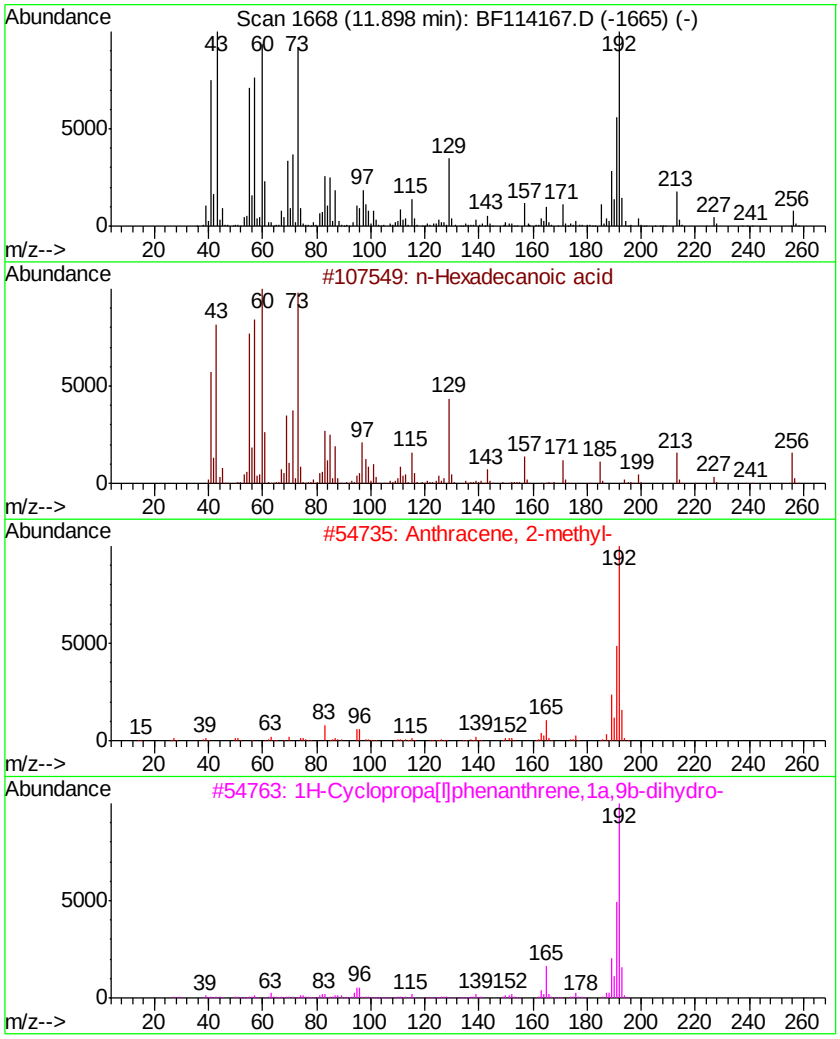
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

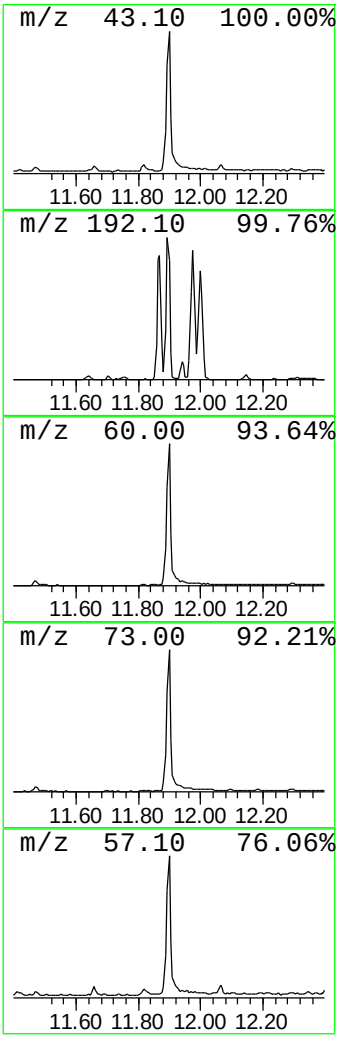
****

Peak Number 5 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	20.56 ng	2431100	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	81
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	74
5	Tridecanoic acid	214	C13H26O2	000638-53-9	74





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114167.D
Acq On : 11 May 2019 21:48
Operator : JU/SJ
Sample : K2765-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS002-1218-02

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

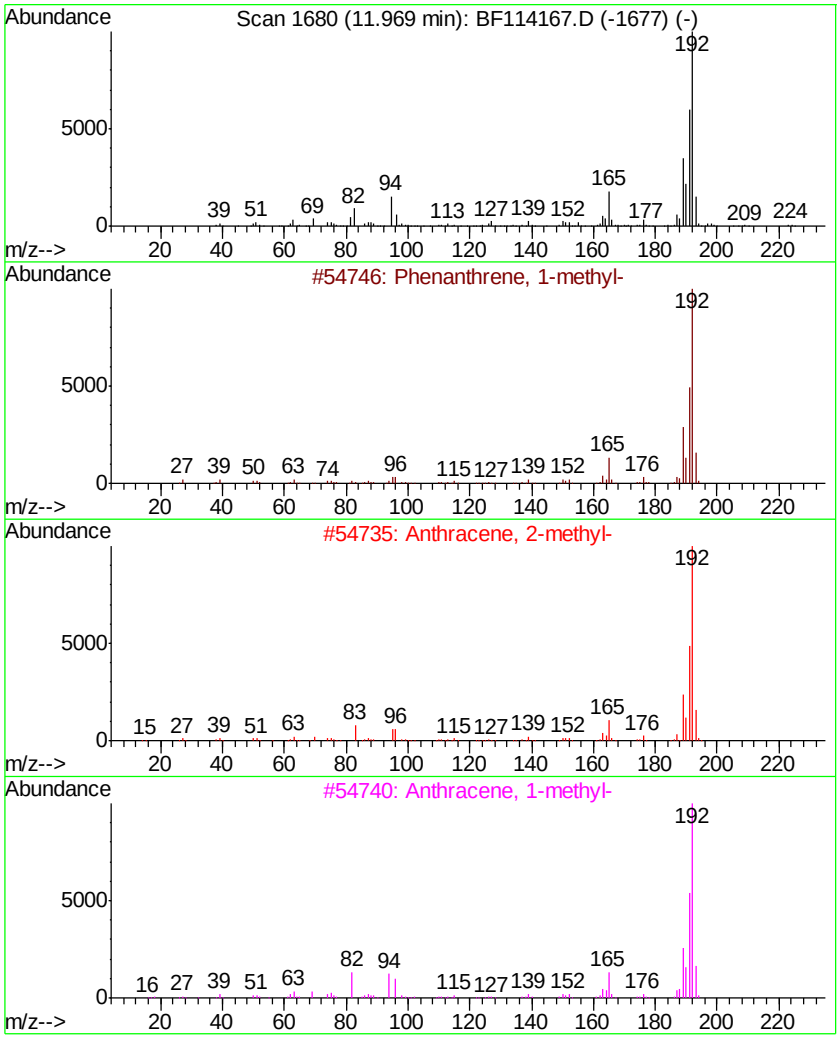
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

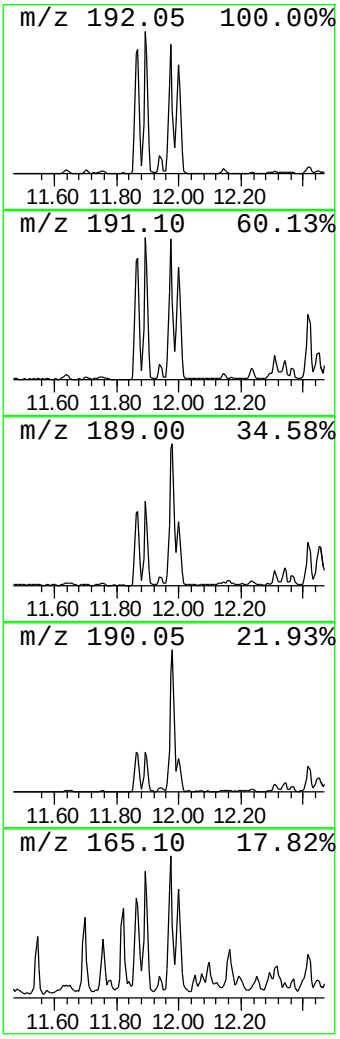
****

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	7.05 ng	833779	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	78
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	64
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	60





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114167.D
Acq On : 11 May 2019 21:48
Operator : JU/SJ
Sample : K2765-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS002-1218-02

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

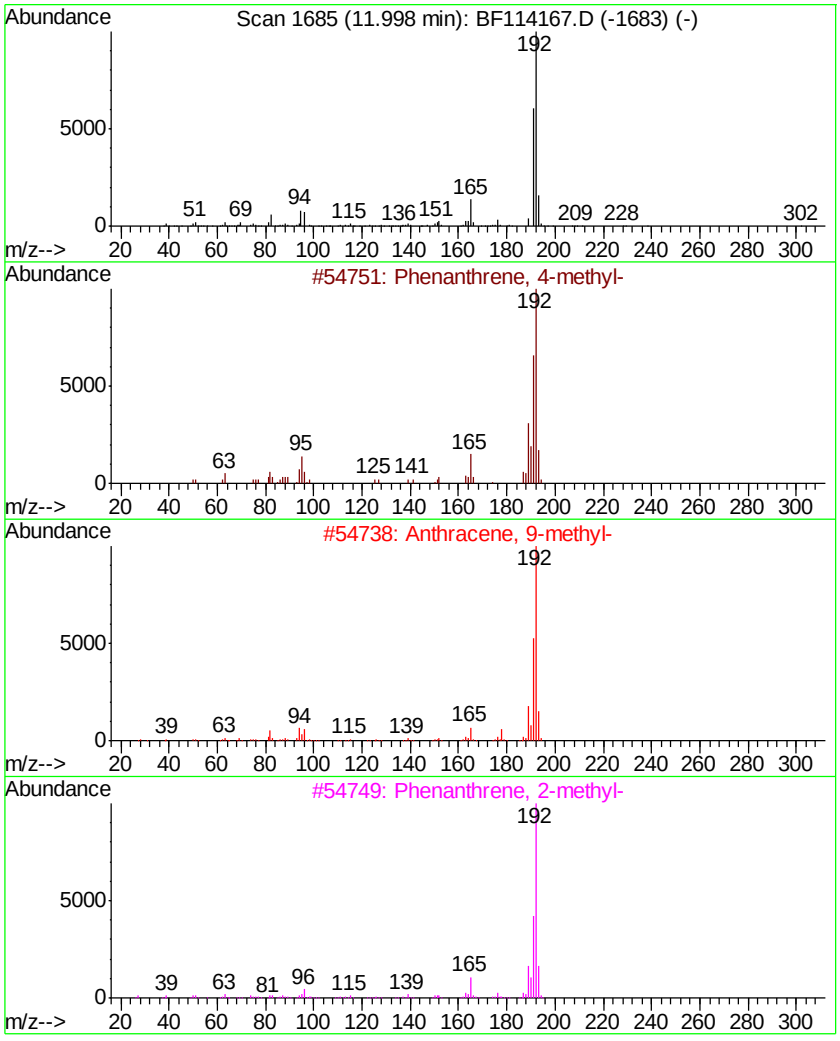
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

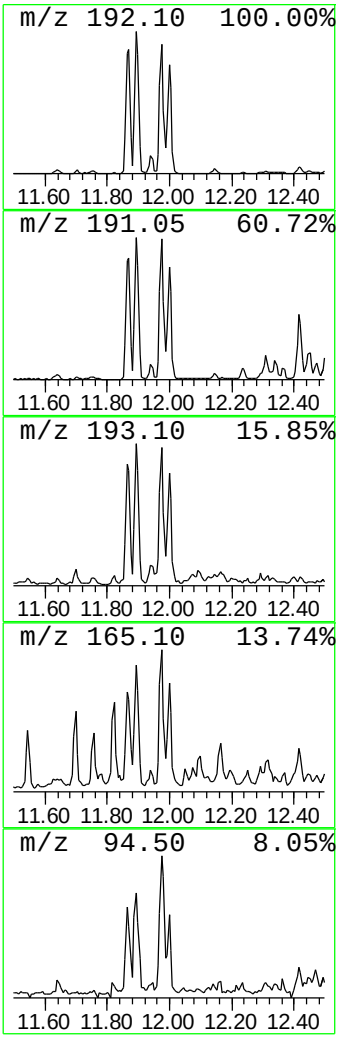
****

Peak Number 7 Phenanthrene, 4-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	4.30 ng	507868	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114167.D
Acq On : 11 May 2019 21:48
Operator : JU/SJ
Sample : K2765-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS002-1218-02

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

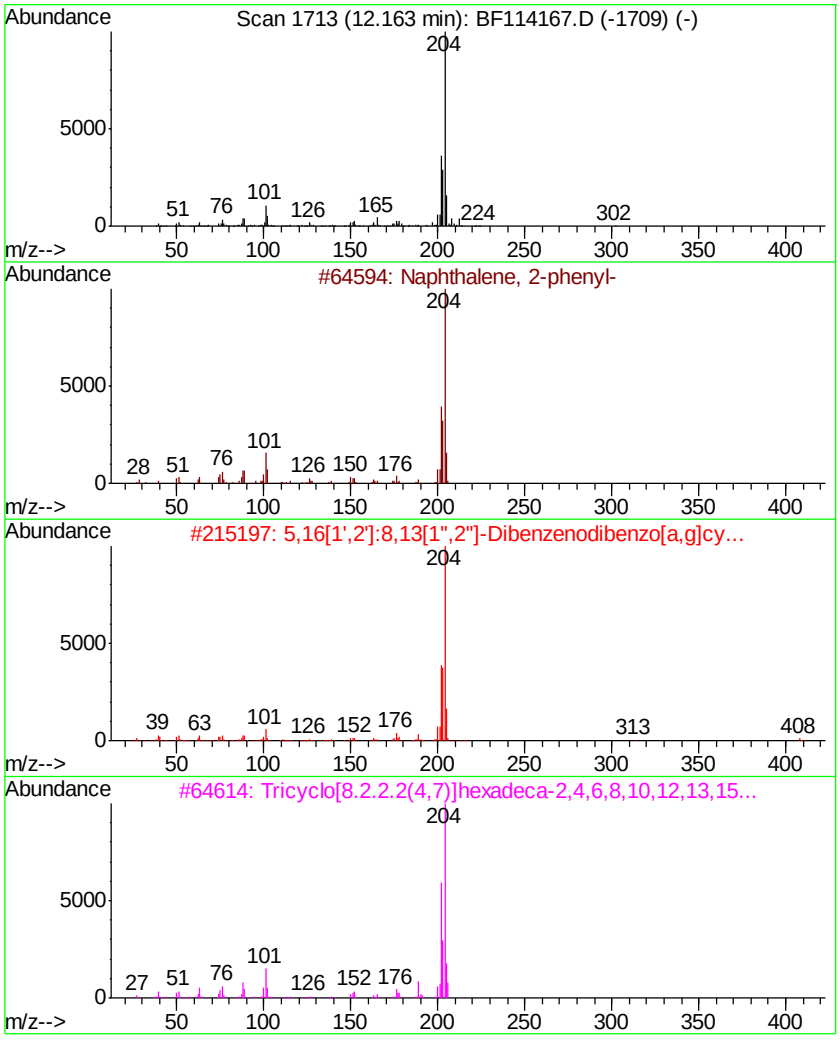
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

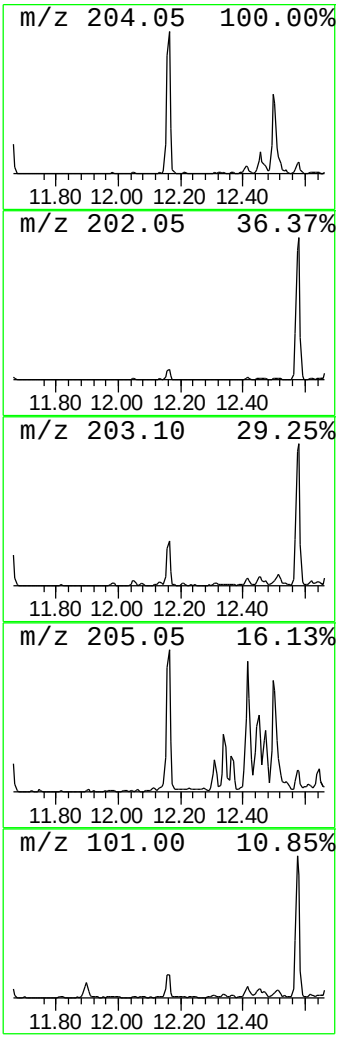
****

Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	4.67 ng	552067	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	53





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114167.D
Acq On : 11 May 2019 21:48
Operator : JU/SJ
Sample : K2765-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS002-1218-02

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

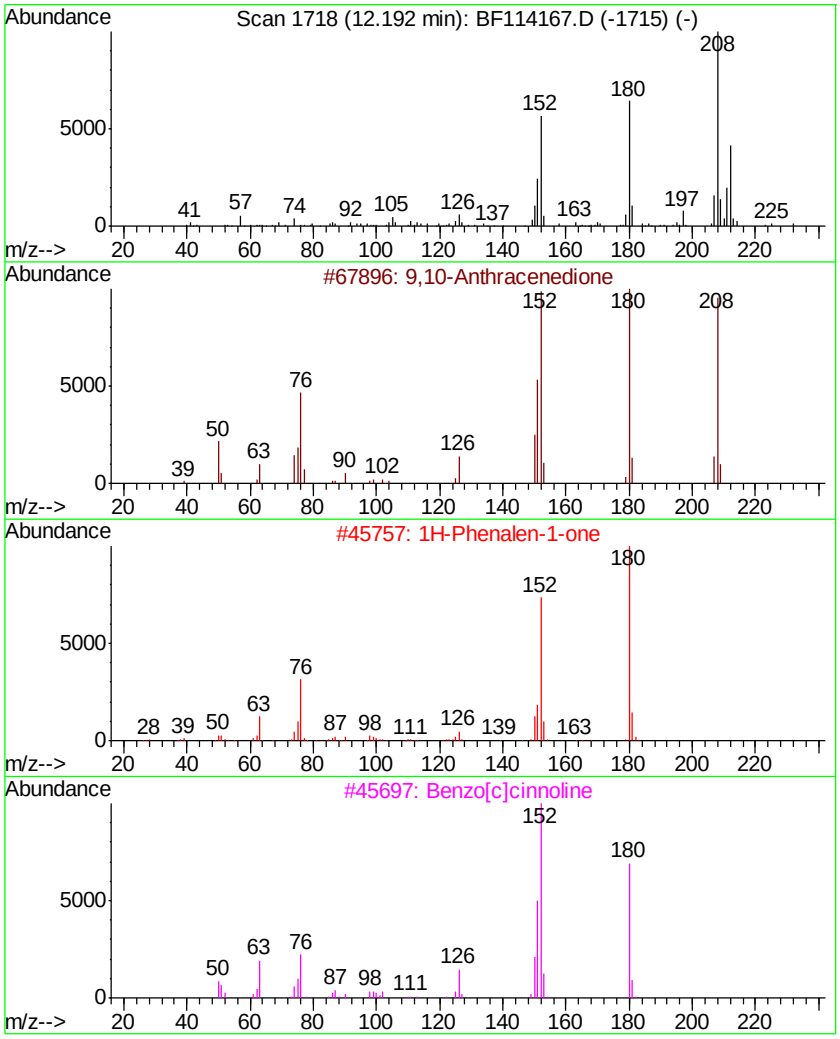
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

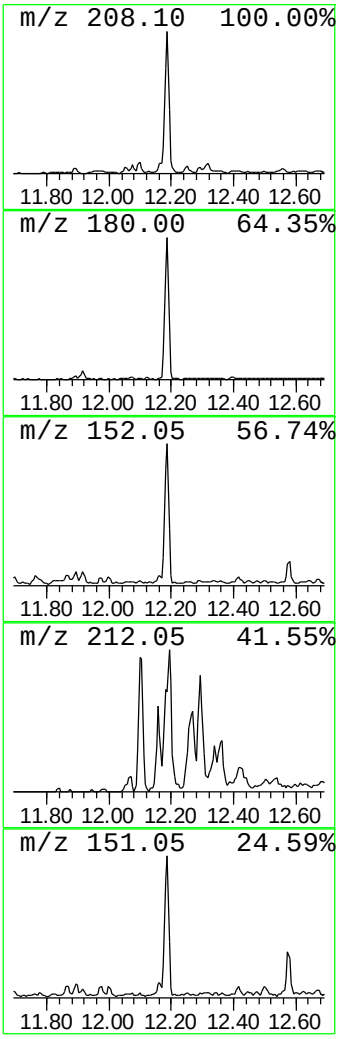
****

Peak Number 9 9,10-Anthracenedione Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	4.99 ng	589774	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	60
5	Nickel, [1,2-ethanediylbis[dimet...	238	C8H22NiP2	122905-77-5	53





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114167.D
Acq On : 11 May 2019 21:48
Operator : JU/SJ
Sample : K2765-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS002-1218-02

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

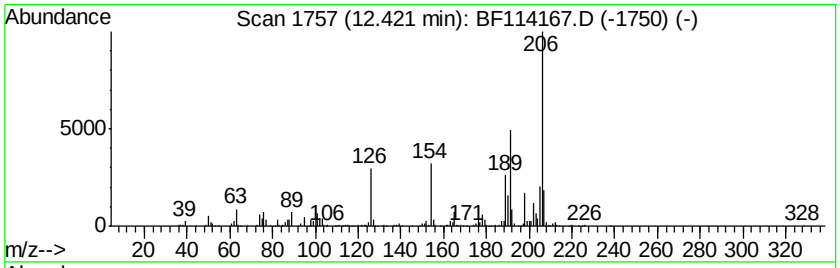
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

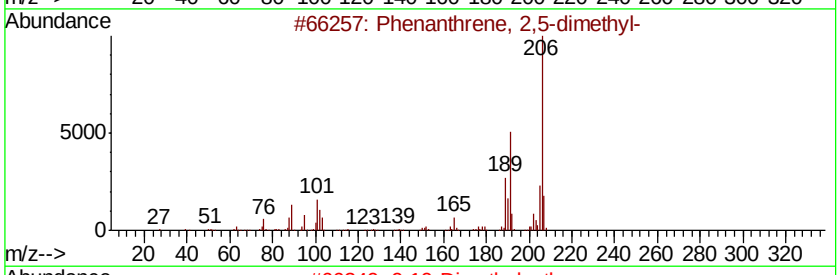
****

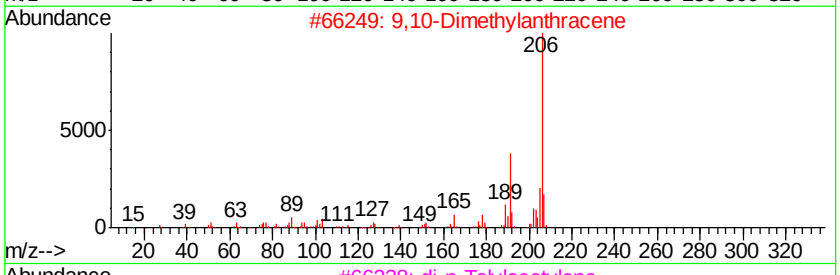
Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

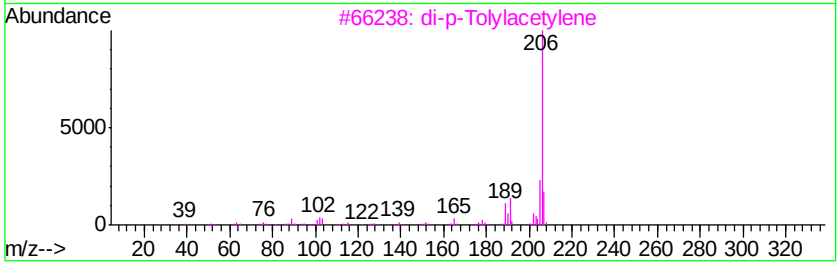
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	5.85 ng	691447	Phenanthrene-d10	11.36

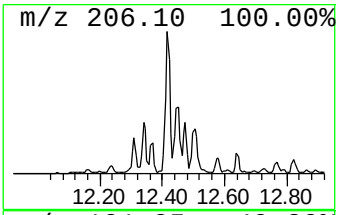
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90

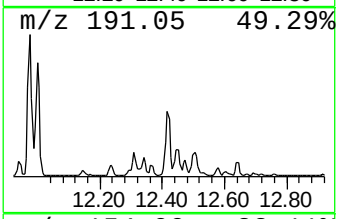


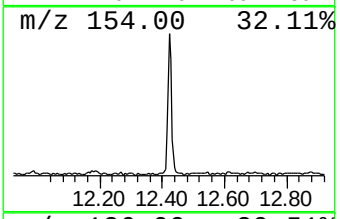


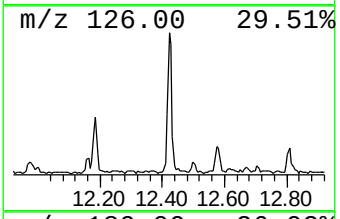


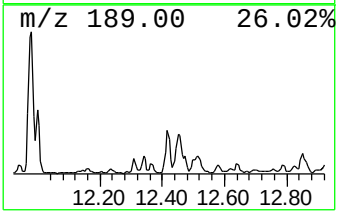












Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114167.D
Acq On : 11 May 2019 21:48
Operator : JU/SJ
Sample : K2765-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS002-1218-02

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

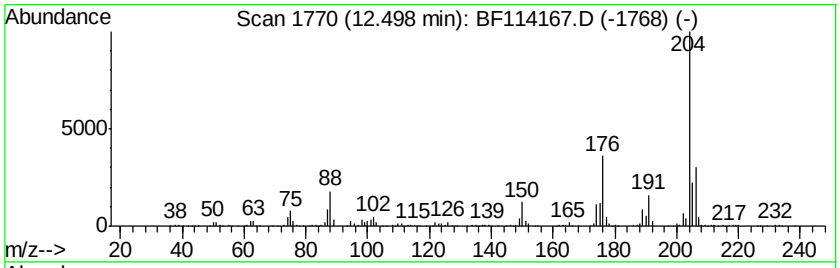
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

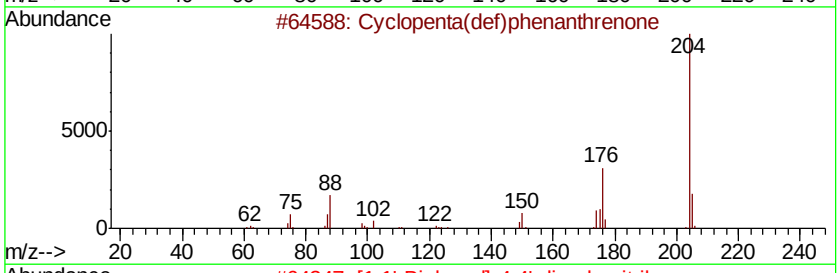
****

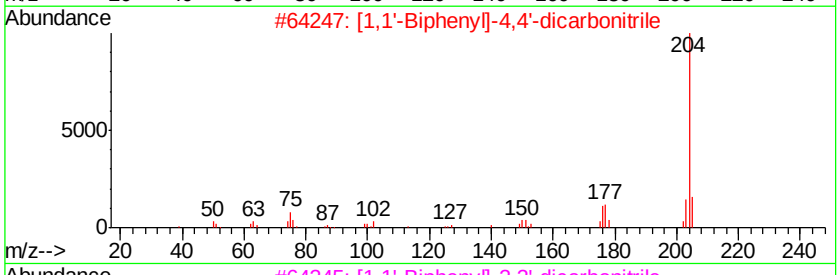
Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 17

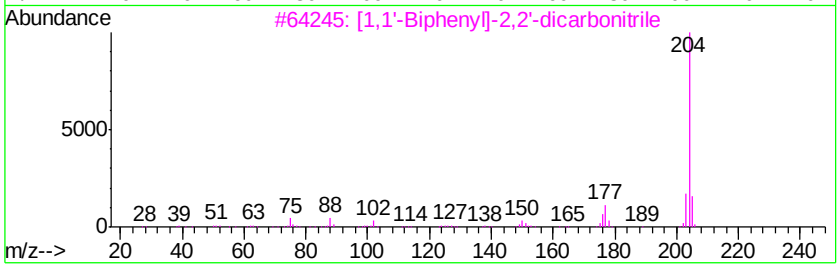
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	4.17 ng	492811	Phenanthrene-d10	11.36

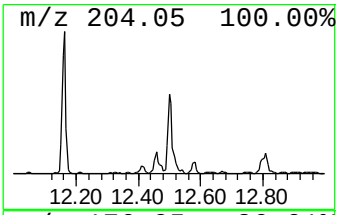
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	98
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47
4	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	47
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47

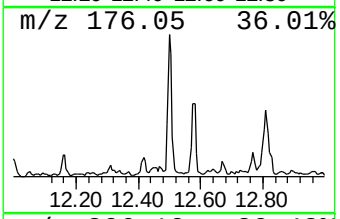


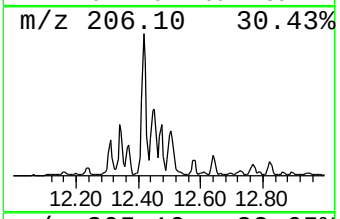


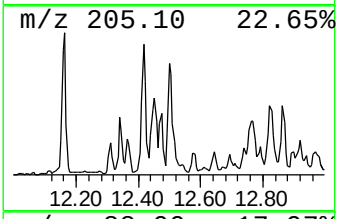


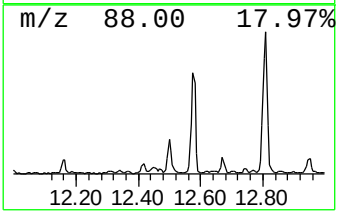












Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114167.D
Acq On : 11 May 2019 21:48
Operator : JU/SJ
Sample : K2765-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS002-1218-02

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

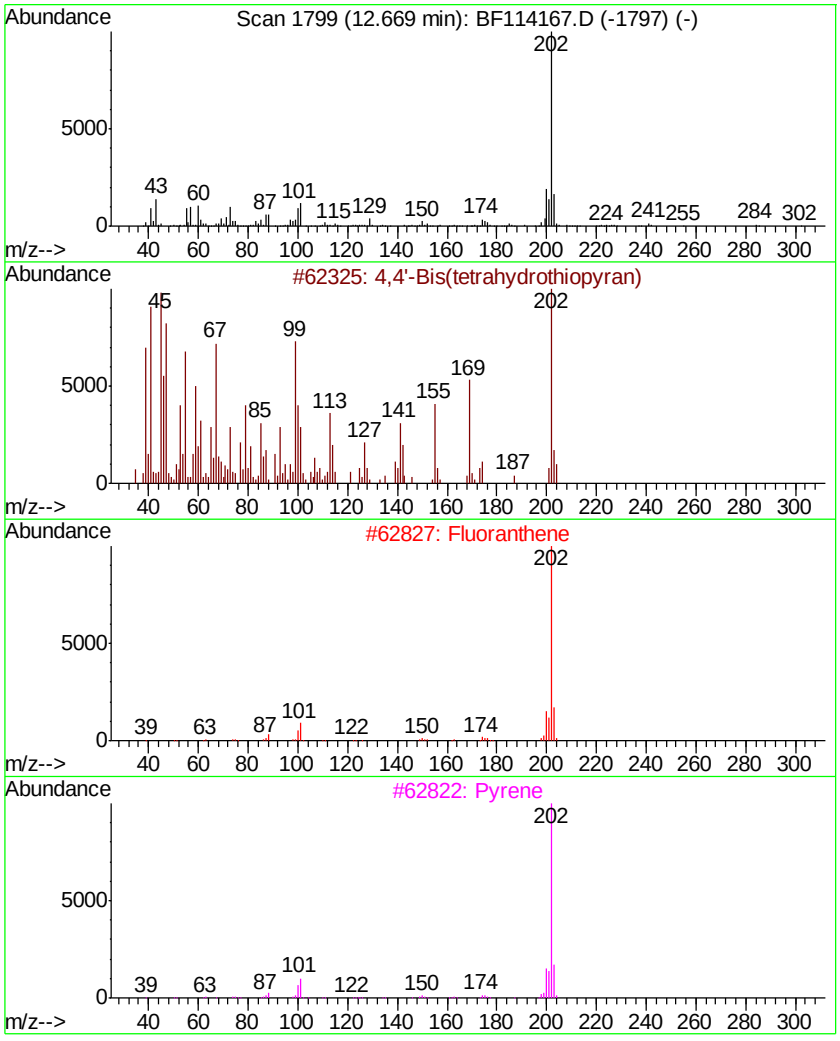
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

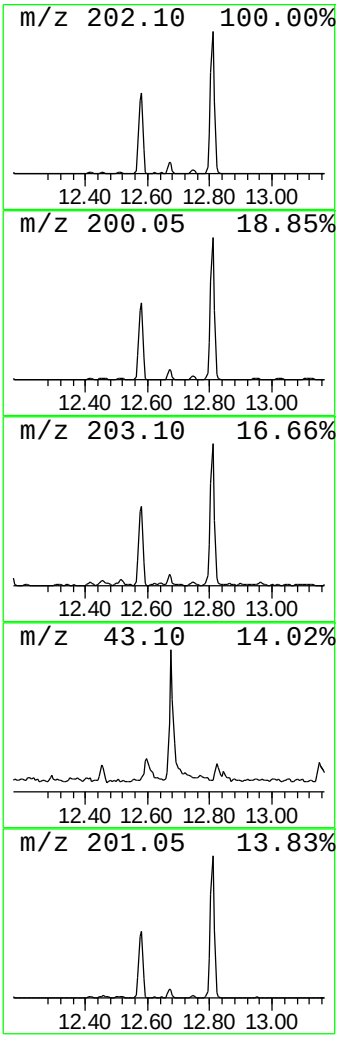
****

Peak Number 12 4,4'-Bis(tetrahydrothiopyran) Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.67	6.14 ng	726178	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,4'-Bis(tetrahydrothiopyran)	202	C10H18S2	116196-83-9	95
2	Fluoranthene	202	C16H10	000206-44-0	91
3	Pyrene	202	C16H10	000129-00-0	60
4	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	49
5	1,4-Pentadiyn-3-one, 1,5-diphenyl-	230	C17H10O	015814-30-9	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114167.D
Acq On : 11 May 2019 21:48
Operator : JU/SJ
Sample : K2765-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS002-1218-02

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

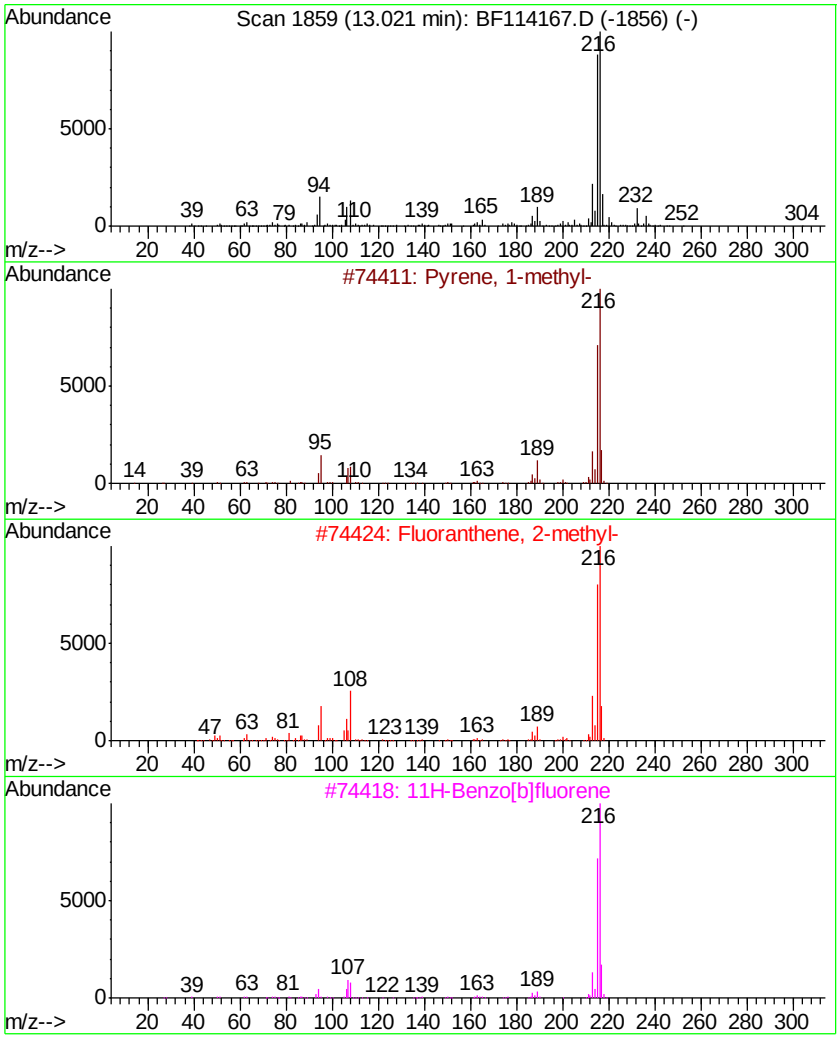
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

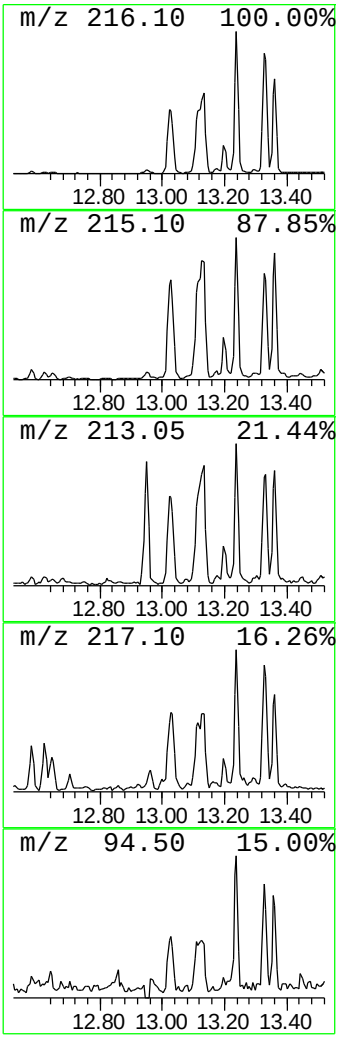
****

Peak Number 13 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.02	3.62 ng	642308	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	74
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114167.D
Acq On : 11 May 2019 21:48
Operator : JU/SJ
Sample : K2765-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS002-1218-02

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

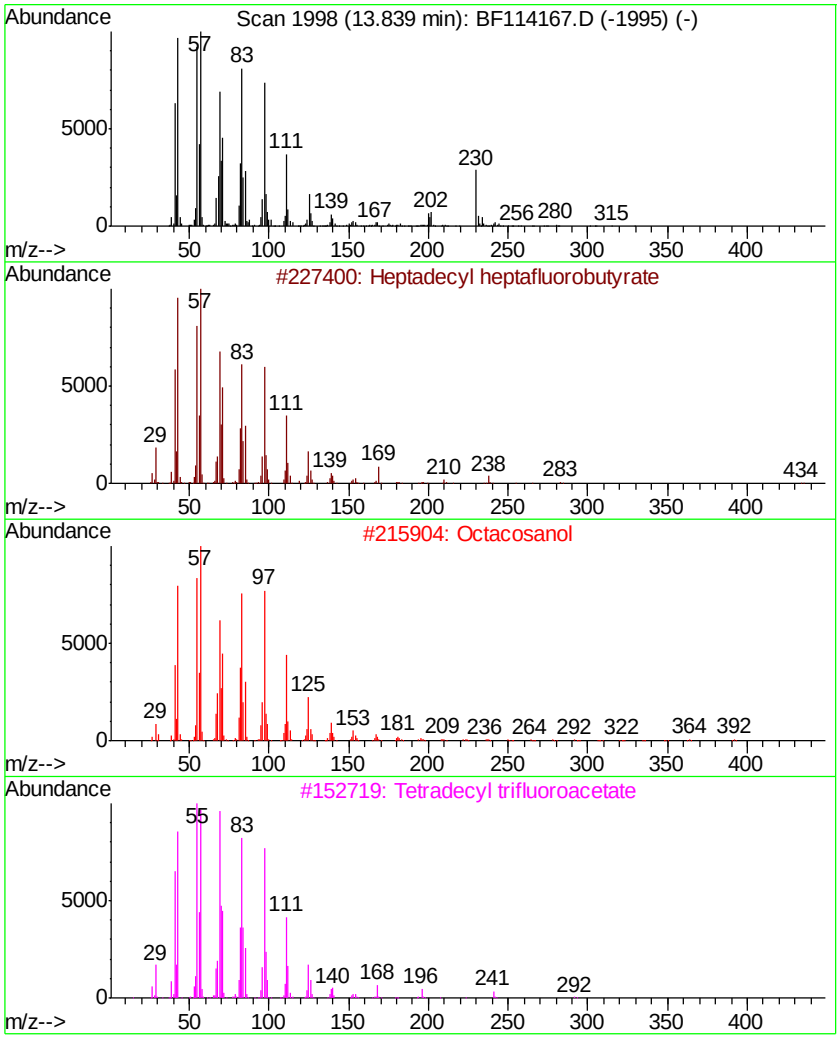
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

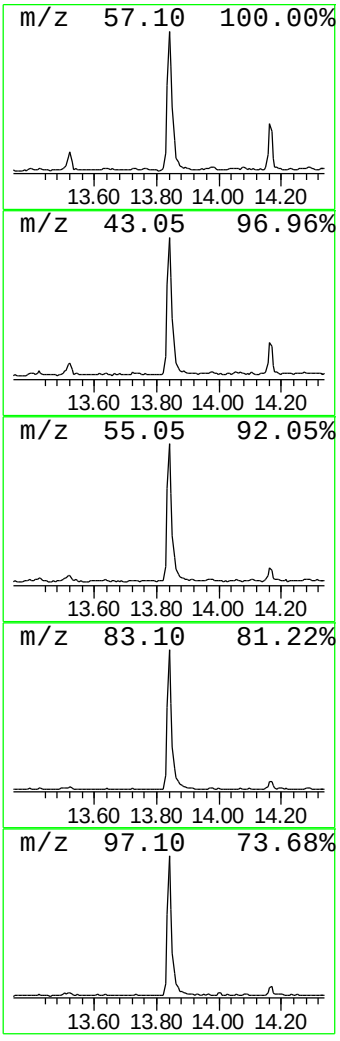
****

Peak Number 14 Heptadecyl heptafluorobutyrate Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.84	11.20 ng	1986940	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	93
2	Octacosanol	410	C28H58O	000557-61-9	90
3	Tetradecyl trifluoroacetate	310	C16H29F3O2	006222-02-2	90
4	1-Docosene	308	C22H44	001599-67-3	90
5	Carbonic acid, octadecyl 2,2,2-t...	444	C21H39Cl3O3	1000314-56-3	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114167.D
Acq On : 11 May 2019 21:48
Operator : JU/SJ
Sample : K2765-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS002-1218-02

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

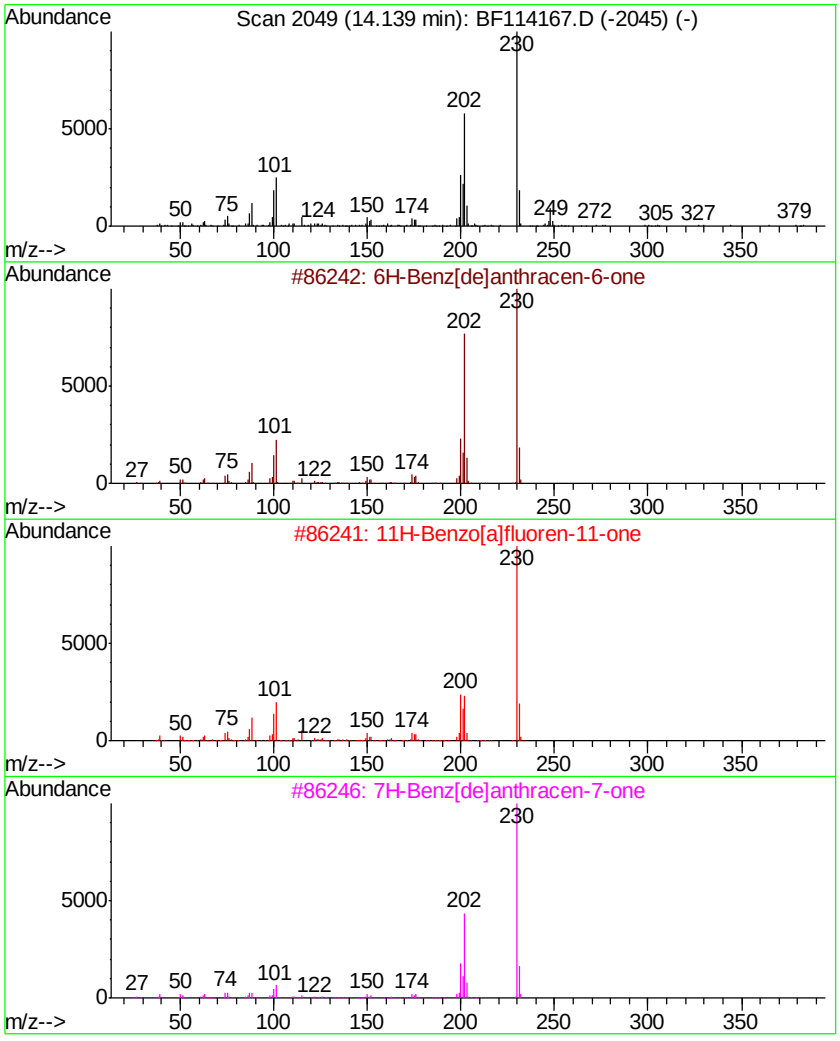
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

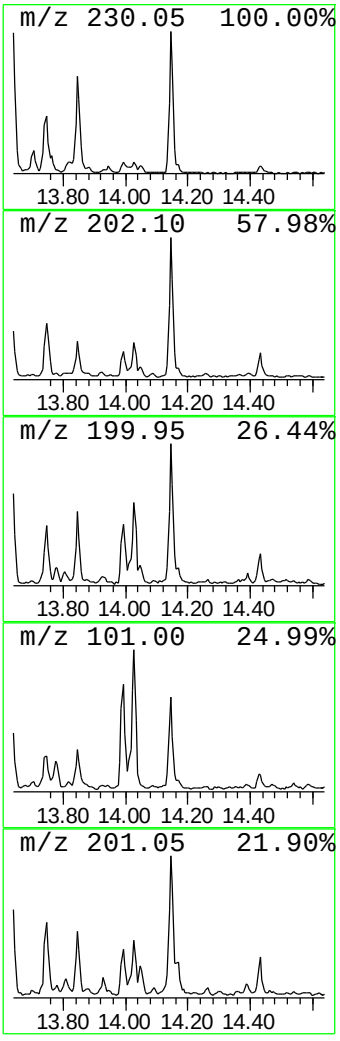
****

Peak Number 15 6H-Benz[de]anthracen-6-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.14	3.38 ng	600425	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	98
2	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	98
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	96
4	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	76
5	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	76





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114167.D
Acq On : 11 May 2019 21:48
Operator : JU/SJ
Sample : K2765-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS002-1218-02

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

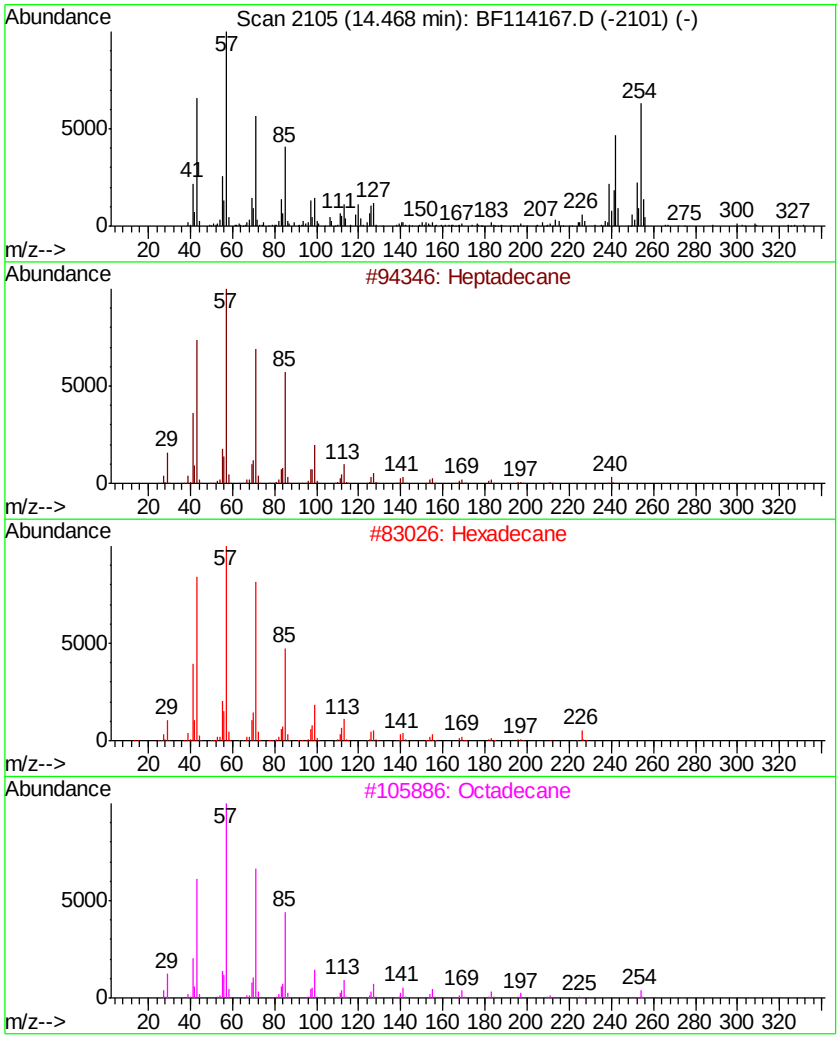
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

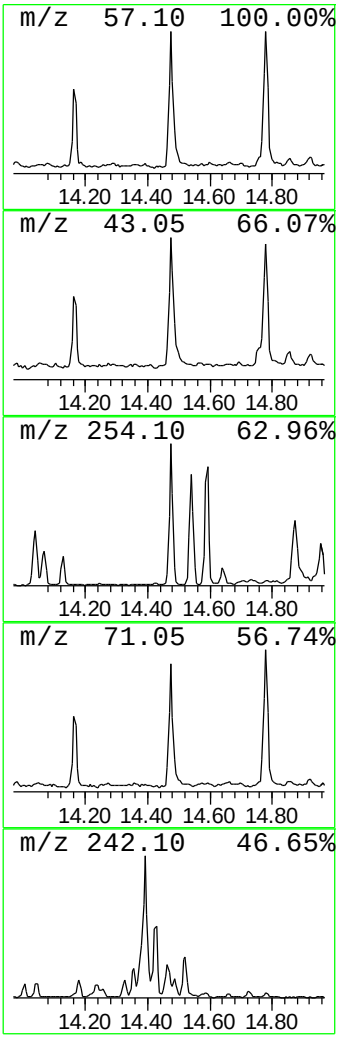
****

Peak Number 16 Heptadecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.47	5.45 ng	966339	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	93
2	Hexadecane	226	C16H34	000544-76-3	92
3	Octadecane	254	C18H38	000593-45-3	86
4	2,2'-Binaphthalene	254	C20H14	000612-78-2	60
5	6,6'-Biazulene,	254	C20H14	073393-11-0	42





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114167.D
Acq On : 11 May 2019 21:48
Operator : JU/SJ
Sample : K2765-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS002-1218-02

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

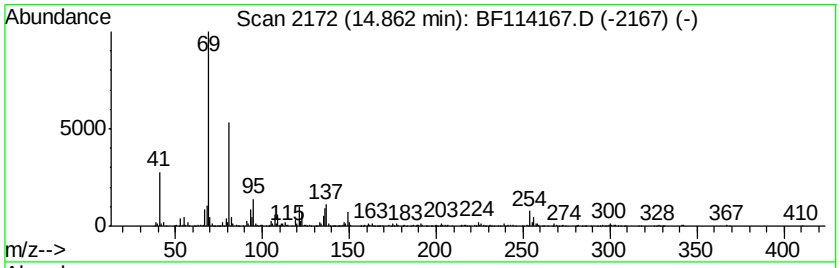
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

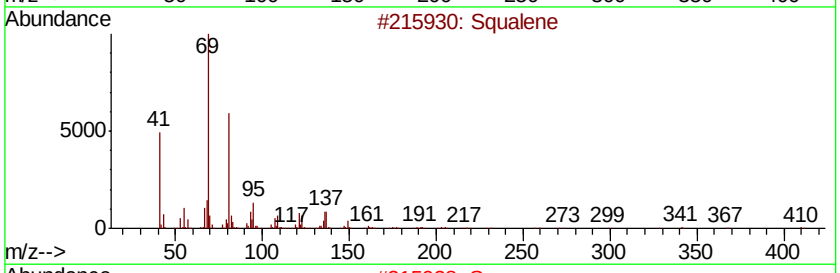
****

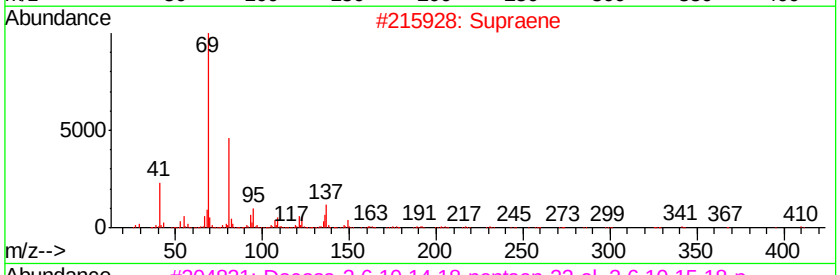
Peak Number 17 Squalene Concentration Rank 6

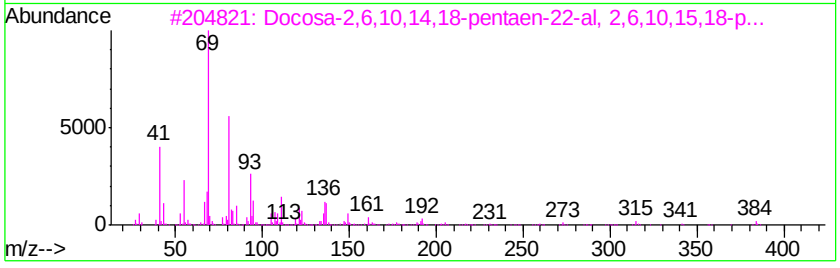
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.86	11.04 ng	1170380	Perylene-d12	15.47

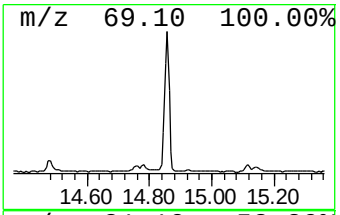
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Squalene	410	C30H50	000111-02-4	91
2	Supraene	410	C30H50	007683-64-9	91
3	Docosa-2,6,10,14,18-pentaen-22-a...	384	C27H44O	1000163-04-7	90
4	4,9,13,17-Tetramethyl-4,8,12,16-...	316	C22H36O	056882-09-8	83
5	2,6,10,14-Hexadecatetraenoic aci...	332	C22H36O2	024035-35-6	72

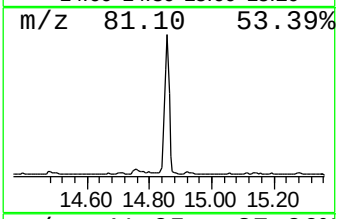


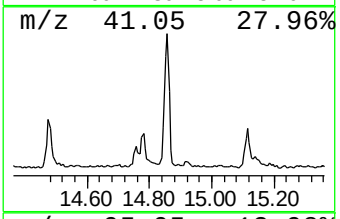


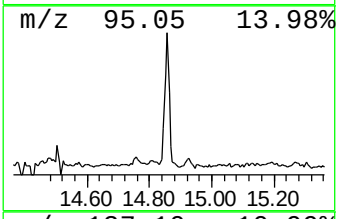


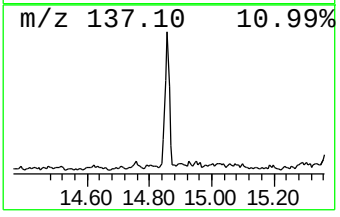












Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114167.D
Acq On : 11 May 2019 21:48
Operator : JU/SJ
Sample : K2765-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS002-1218-02

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

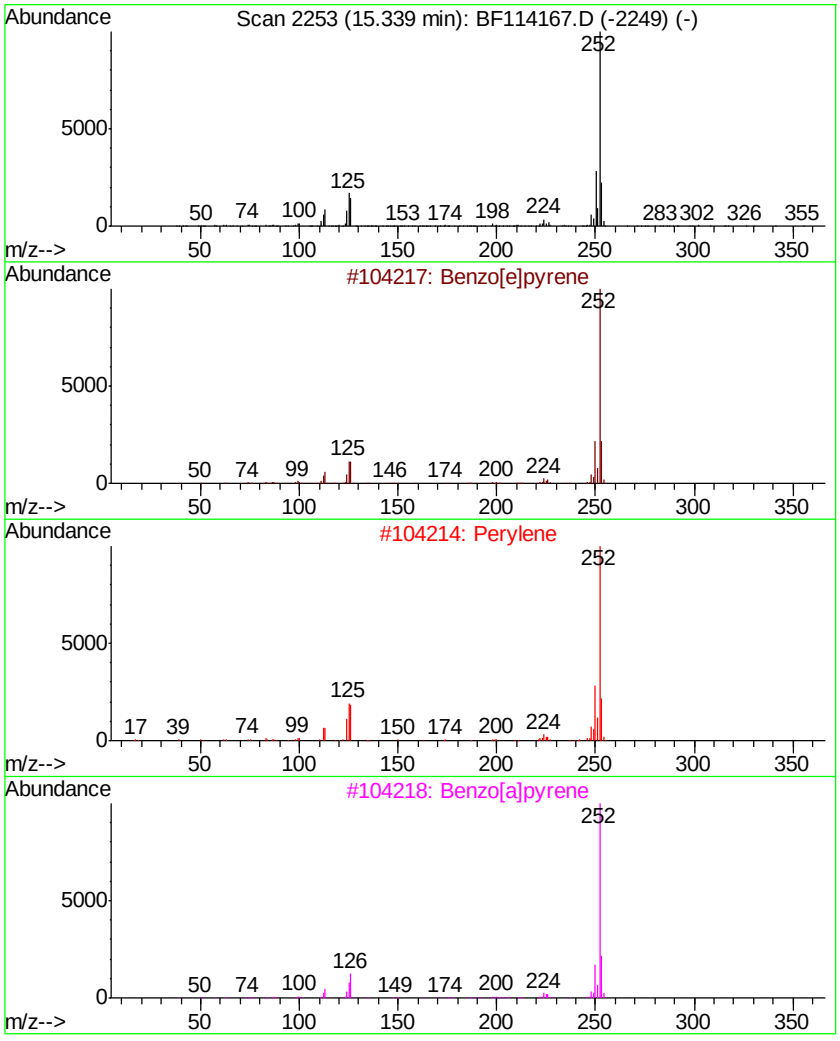
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

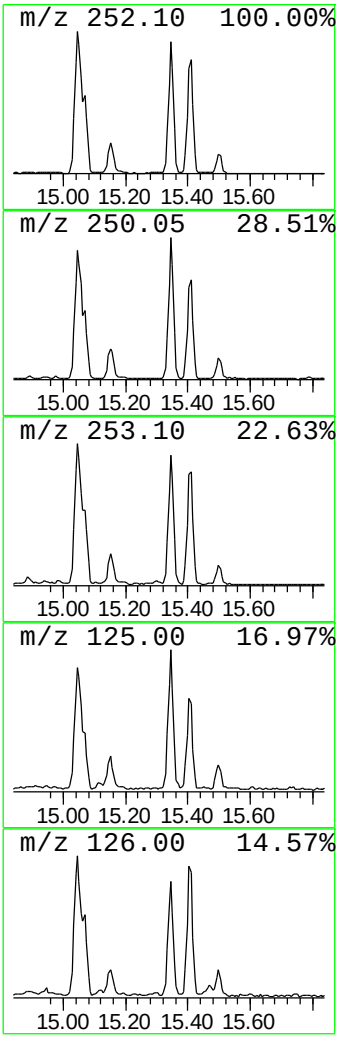
****

Peak Number 18 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	10.58 ng	1121800	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Perylene	252	C20H12	000198-55-0	97
3	Benzo[a]pyrene	252	C20H12	000050-32-8	97
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114167.D
Acq On : 11 May 2019 21:48
Operator : JU/SJ
Sample : K2765-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS002-1218-02

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

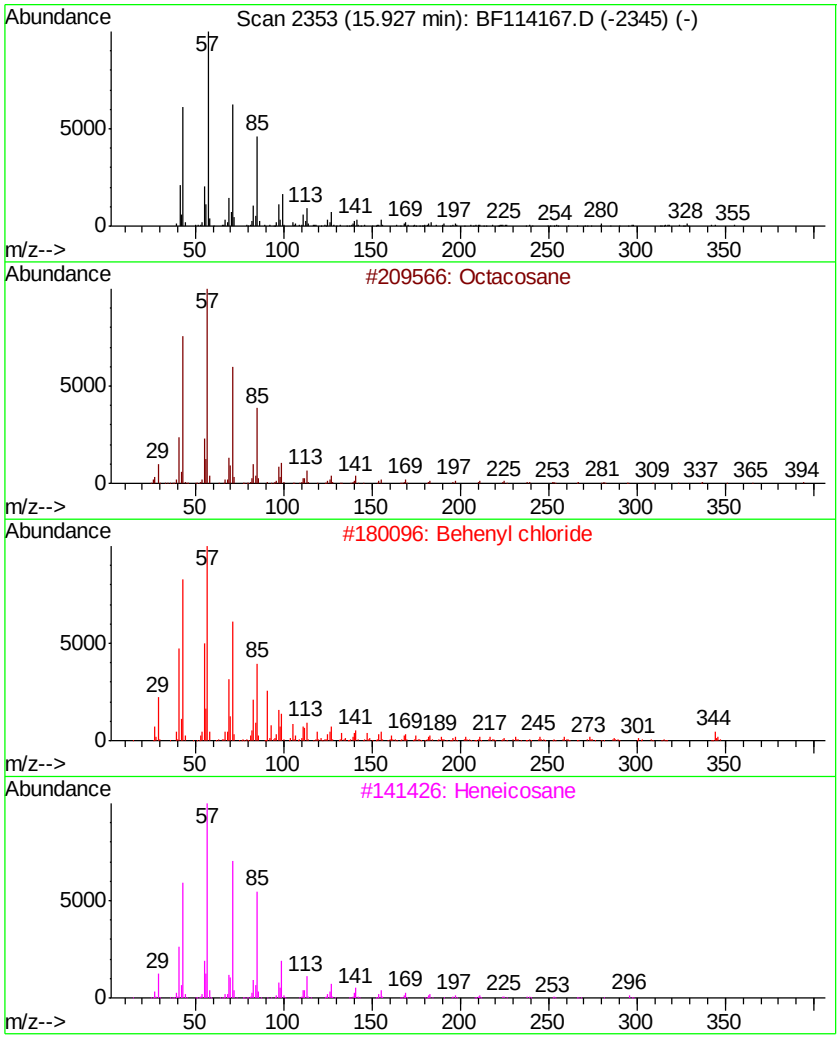
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

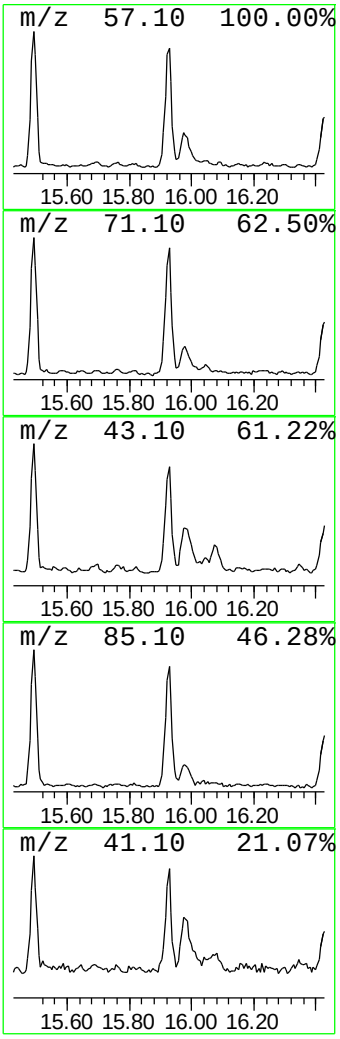
****

Peak Number 19 Octacosane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.93	5.41 ng	574042	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	91
2	Behenyl chloride	344	C22H45Cl	042217-03-8	91
3	Heneicosane	296	C21H44	000629-94-7	90
4	Octadecane	254	C18H38	000593-45-3	87
5	Hexadecane	226	C16H34	000544-76-3	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051119\
Data File : BF114167.D
Acq On : 11 May 2019 21:48
Operator : JU/SJ
Sample : K2765-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS002-1218-02

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

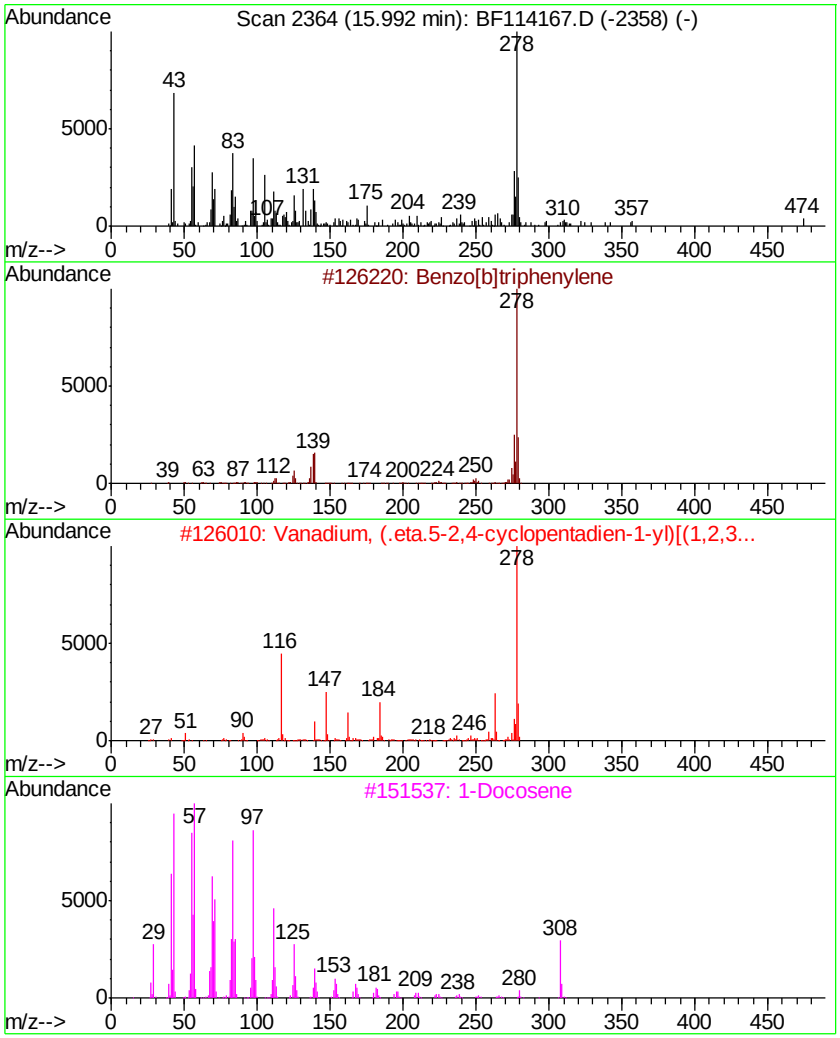
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

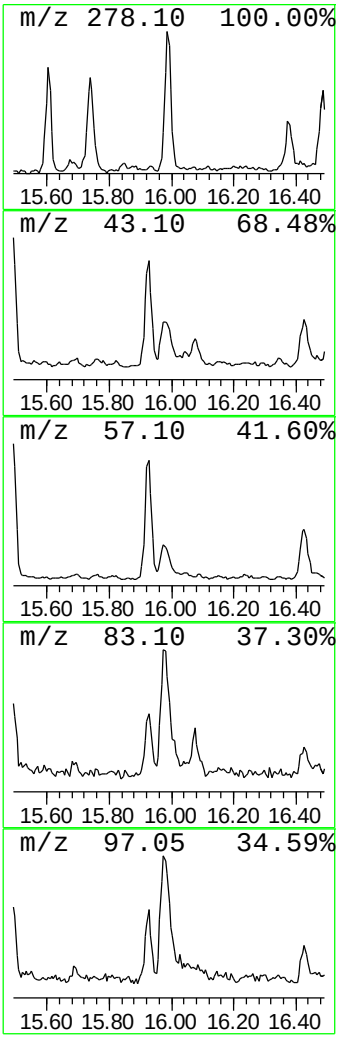
****

Peak Number 20 Benzo[b]triphenylene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.99	3.76 ng	398354	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	83
2	Vanadium, (.eta.5-2,4-cyclopenta...	278	C17H23V	126948-97-8	46
3	1-Docosene	308	C22H44	001599-67-3	46
4	Picene	278	C22H14	000213-46-7	43
5	Quinoxaline, 6-(3-nitrobenzylide...	278	C15H10N4O2	302800-55-1	42





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051119\
Data File : BF114167.D
Acq On : 11 May 2019 21:48
Operator : JU/SJ
Sample : K2765-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS002-1218-02

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

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	2.11	19.4	ng	1567130	1	6.85	1613660	20.0
unknown6.62	6.62	91.3	ng	7370220	1	6.85	1613660	20.0
Anthracene, 2-met...	11.86	5.5	ng	649376	4	11.36	2364560	20.0
n-Hexadecanoic acid	11.90	20.6	ng	2431100	4	11.36	2364560	20.0
Phenanthrene, 1-m...	11.97	7.0	ng	833779	4	11.36	2364560	20.0
Phenanthrene, 4-m...	12.00	4.3	ng	507868	4	11.36	2364560	20.0
Naphthalene, 2-ph...	12.16	4.7	ng	552067	4	11.36	2364560	20.0
9,10-Anthracenedione	12.19	5.0	ng	589774	4	11.36	2364560	20.0
Phenanthrene, 2,5...	12.42	5.8	ng	691447	4	11.36	2364560	20.0
Cyclopenta(def)ph...	12.50	4.2	ng	492811	4	11.36	2364560	20.0
4,4'-Bis(tetrahyd...	12.67	6.1	ng	726178	4	11.36	2364560	20.0
Pyrene, 1-methyl-	13.02	3.6	ng	642308	5	14.00	3549210	20.0
Heptadecyl heptaf...	13.84	11.2	ng	1986940	5	14.00	3549210	20.0
6H-Benz[de]anthra...	14.14	3.4	ng	600425	5	14.00	3549210	20.0
Heptadecane	14.47	5.5	ng	966339	5	14.00	3549210	20.0
Squalene	14.86	11.0	ng	1170380	6	15.47	2120630	20.0
Benzo[e]pyrene	15.34	10.6	ng	1121800	6	15.47	2120630	20.0
Octacosane	15.93	5.4	ng	574042	6	15.47	2120630	20.0
Benzo[b]triphenylene	15.99	3.8	ng	398354	6	15.47	2120630	20.0