LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114190.D
Acq On : 12 May 2019 14:20
Operator : JU/SJ
Sample : K2766-08
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS007-1218-01

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	2.140	3	9	21	rVB	1608179	2210310	21.78%	1.215%
2	5.487	573	578	581	rBV	7709124	7937286	78.21%	4.361%
3	6.498	744	750	752	rBV	6996521	8559123	84.34%	4.703%
4	6.628	767	772	775	rBV	8240513	8151231	80.32%	4.479%
5	6.851	806	810	818	rBV	2427105	1935749	19.07%	1.064%
6	7.010	833	837	840	rBV	7025692	6172658	60.82%	3.392%
7	7.416	900	906	909	rBV	5355543	5564763	54.83%	3.058%
8	8.128	1024	1027	1030	rBV	2531764	2531368	24.94%	1.391%
9	8.151	1030	1031	1036	rVB	676908	421543	4.15%	0.232%
10	8.845	1145	1149	1156	rVB	388375	362314	3.57%	0.199%
11	8.939	1161	1165	1169	rBV	321145	269944	2.66%	0.148%
12	9.204	1205	1210	1213	rBV	8239676	8032550	79.15%	4.414%
13	9.545	1264	1268	1270	rBV	269021	298171	2.94%	0.164%
14	9.598	1274	1277	1281	rVV	1094651	1138267	11.22%	0.625%
15	9.745	1298	1302	1307	rBV	1073873	926953	9.13%	0.509%
16	9.886	1319	1326	1329	rBV	2960054	2902485	28.60%	1.595%
17	10.004	1339	1346	1349	rBV3	168483	275227	2.71%	0.151%
18	10.427	1415	1418	1425	rVB3	232862	349384	3.44%	0.192%
19	10.674	1455	1460	1463	rBV	5760455	5605272	55.23%	3.080%
20	10.798	1477	1481	1484	rBV3	267951	325256	3.20%	0.179%
21	10.980	1507	1512	1514	rBV4	170038	241297	2.38%	0.133%
22	11.174	1542	1545	1549	rVB	640551	517619	5.10%	0.284%
23	11.263	1557	1560	1565	rVB	604833	557473	5.49%	0.306%
24	11.369	1574	1578	1580	rVV	3016440	2967432	29.24%	1.631%
25	11.398	1580	1583	1586	rVV	6672241	5914986	58.28%	3.250%
26	11.445	1588	1591	1593	rVV	687475	561369	5.53%	0.308%
27	11.474	1593	1596	1600	rVV2	220627	254630	2.51%	0.140%
28	11.663	1623	1628	1631	rVB	786892	737944	7.27%	0.405%
29	11.698	1631	1634	1638	rVB	651673	595181	5.86%	0.327%
30	11.780	1646	1648	1652	rVB	295851	323933	3.19%	0.178%
31	11.827	1652	1656	1660	rBV2	324118	411053	4.05%	0.226%
32	11.868	1660	1663	1666	rBV	1974820	2057952	20.28%	1.131%
33	11.898	1666	1668	1671	rVV	3608147	2994992	29.51%	1.646%
34	11.980	1678	1682	1684	rBV2	2730994	2630477	25.92%	1.445%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114190.D
Acq On : 12 May 2019 14:20
Operator : JU/SJ
Sample : K2766-08
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS007-1218-01

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	12.004	1684	1686	1691	rVB	1877678	1600160	15.77%	0.879%
36	12.163	1710	1713	1716	rVV	1825114	1743094	17.18%	0.958%
37	12.192	1716	1718	1724	rVB2	2068670	1842777	18.16%	1.013%
38	12.298	1733	1736	1737	rBV	276012	243163	2.40%	0.134%
39	12.316	1737	1739	1742	rVV2	491436	466970	4.60%	0.257%
40	12.345	1742	1744	1746	rVV	538617	404808	3.99%	0.222%
41	12.368	1746	1748	1751	rVB2	395303	340103	3.35%	0.187%
42	12.421	1751	1757	1760	rBV	1554367	2068198	20.38%	1.136%
43	12.457	1760	1763	1765	rVV2	750850	884544	8.72%	0.486%
44	12.480	1765	1767	1769	rVB	504362	381664	3.76%	0.210%
45	12.510	1769	1772	1776	rBV	1341852	1537986	15.15%	0.845%
46	12.586	1780	1785	1789	rBV	6394244	6479639	63.85%	3.561%
47	12.627	1789	1792	1794	rBV	510656	467509	4.61%	0.257%
48	12.651	1794	1796	1798	rVB2	289104	240466	2.37%	0.132%
49	12.680	1798	1801	1804	rVB	1400751	1251356	12.33%	0.688%
50	12.716	1804	1807	1809	rBV2	593285	619239	6.10%	0.340%
51	12.821	1819	1825	1829	rBV	8517401	10148835	100.00%	5.577%
52	12.868	1829	1833	1836	rVB3	453549	553766	5.46%	0.304%
53	12.957	1844	1848	1851	rBV	6859538	6861254	67.61%	3.770%
54	13.033	1857	1861	1867	rBV2	1181884	1803846	17.77%	0.991%
55	13.086	1867	1870	1872	rVV2	369046	302892	2.98%	0.166%
56	13.121	1872	1876	1877	rVV2	1118653	1325561	13.06%	0.728%
57	13.139	1877	1879	1882	rVB	1386029	1178970	11.62%	0.648%
58	13.180	1883	1886	1888	rBV3	251016	248086	2.44%	0.136%
59	13.204	1888	1890	1894	rVV	474048	435101	4.29%	0.239%
60	13.245	1894	1897	1900	rVV	1871857	1518792	14.97%	0.835%
61	13.339	1910	1913	1915	rBV	1603435	1315710	12.96%	0.723%
62	13.368	1915	1918	1921	rVB	1499606	1234222	12.16%	0.678%
63	13.457	1930	1933	1936	rBV2	266359	268445	2.65%	0.148%
64	13.645	1962	1965	1970	rVB	1017430	1094578	10.79%	0.601%
65	13.757	1978	1984	1986	rBV2	1090239	1345455	13.26%	0.739%
66	13.786	1986	1989	1991	rVV	1274926	1152065	11.35%	0.633%
67	13.810	1991	1993	1996	rVV	930731	852949	8.40%	0.469%
68	13.851	1996	2000	2005	rVB3	1066830	1805705	17.79%	0.992%
69	13.927	2010	2013	2020	rVV3	195293	306982	3.02%	0.169%
70	14.004	2021	2026	2030	rVV2	3813100	6399850	63.06%	3.517%
71	14.039	2030	2032	2036	rVV	4236634	3544436	34.92%	1.948%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114190.D
Acq On : 12 May 2019 14:20
Operator : JU/SJ
Sample : K2766-08
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS007-1218-01

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	14.098	2039	2042	2046	rBV3	200499	226551	2.23%	0.124%
73	14.157	2049	2052	2062	rVB	1456629	1914526	18.86%	1.052%
74	14.262	2068	2070	2073	rVB4	268765	278107	2.74%	0.153%
75	14.362	2084	2087	2088	rBV2	318723	319780	3.15%	0.176%
76	14.398	2088	2093	2096	rVV2	1150856	1490702	14.69%	0.819%
77	14.433	2096	2099	2102	rVV2	831106	1021465	10.06%	0.561%
78	14.480	2102	2107	2111	rVV4	1001384	1709872	16.85%	0.940%
79	14.521	2111	2114	2116	rVV3	770467	860297	8.48%	0.473%
80	14.545	2116	2118	2121	rVV	700317	644472	6.35%	0.354%
81	14.592	2123	2126	2129	rVB	541474	495854	4.89%	0.272%
82	14.821	2162	2165	2168	rVB2	380321	376308	3.71%	0.207%
83	14.857	2168	2171	2173	rBV2	541573	544511	5.37%	0.299%
84	15.057	2199	2205	2212	rBV	2619633	5207993	51.32%	2.862%
85	15.115	2212	2215	2217	rVV2	333022	390914	3.85%	0.215%
86	15.157	2219	2222	2227	rVB	586200	720180	7.10%	0.396%
87	15.357	2251	2256	2262	rVB	2230699	2924422	28.82%	1.607%
88	15.421	2262	2267	2271	rBV	2714790	3355290	33.06%	1.844%
89	15.480	2271	2277	2280	rBV	1822590	2523272	24.86%	1.387%
90	15.833	2334	2337	2344	rVB	199557	274419	2.70%	0.151%
91	15.921	2346	2352	2356	rBV4	341288	629005	6.20%	0.346%
92	16.039	2369	2372	2376	rVB3	268510	336209	3.31%	0.185%
93	16.598	2463	2467	2471	rBV	174464	305273	3.01%	0.168%
94	16.951	2520	2527	2533	rVB	1083323	2089550	20.59%	1.148%
95	17.015	2534	2538	2544	rVB2	146821	255365	2.52%	0.140%
96	17.115	2550	2555	2559	rBV	184816	314792	3.10%	0.173%
97	17.174	2561	2565	2571	rVV3	178008	366103	3.61%	0.201%
98	17.392	2595	2602	2610	rVB	1008977	2072904	20.43%	1.139%
99	18.327	2754	2761	2774	rVB6	239409	770217	7.59%	0.423%
100	18.545	2792	2798	2808	rBV7	187403	561926	5.54%	0.309%

Sum of corrected areas: 181985647

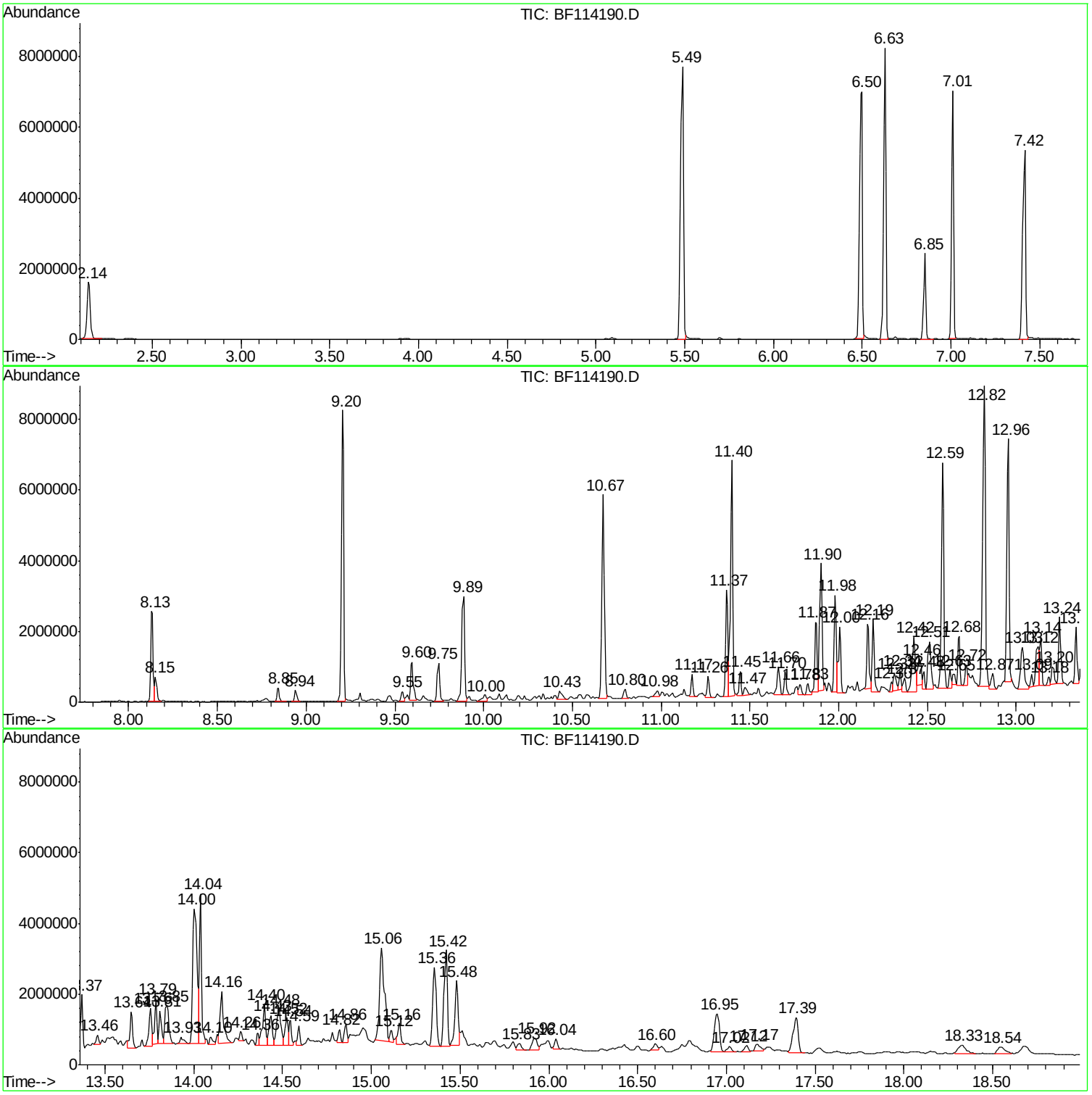
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114190.D
Acq On : 12 May 2019 14:20
Operator : JU/SJ
Sample : K2766-08
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P026-SS007-1218-01

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\BF051219\
Data File : BF114190.D
Acq On : 12 May 2019 14:20
Operator : JU/SJ
Sample : K2766-08
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS007-1218-01

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

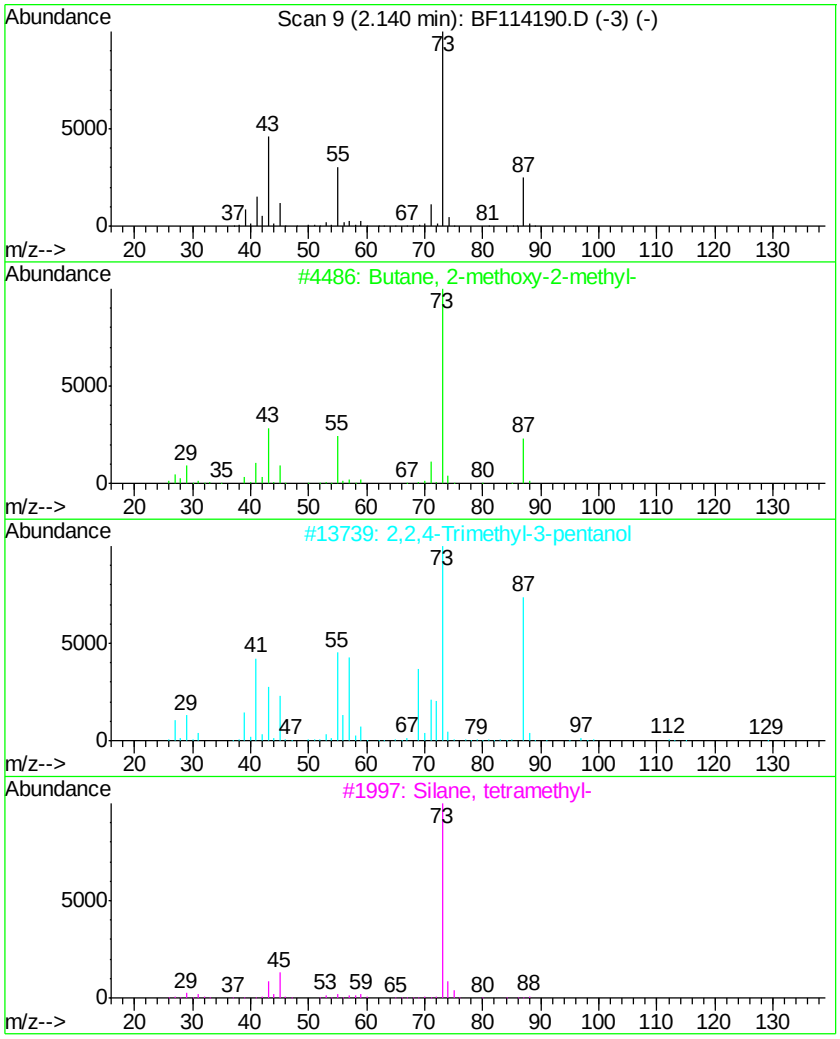
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

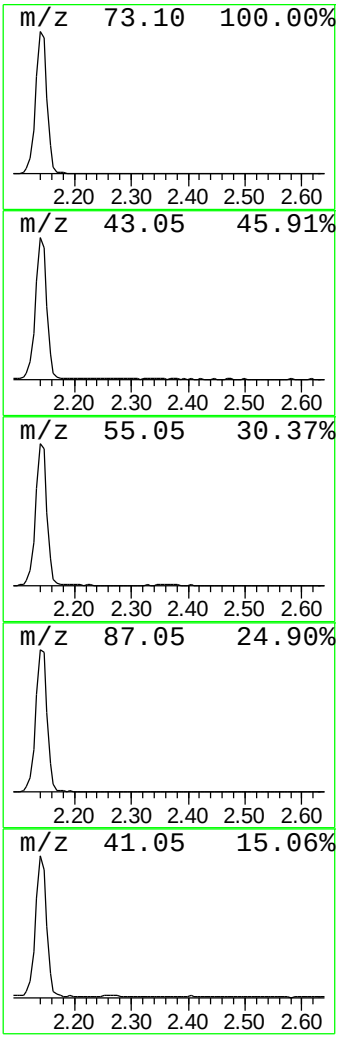
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.14	22.84 ng	2210310	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	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	Silane, tetramethyl-	88	C4H12Si	000075-76-3	38
4	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	37
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	37





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114190.D
Acq On : 12 May 2019 14:20
Operator : JU/SJ
Sample : K2766-08
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS007-1218-01

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

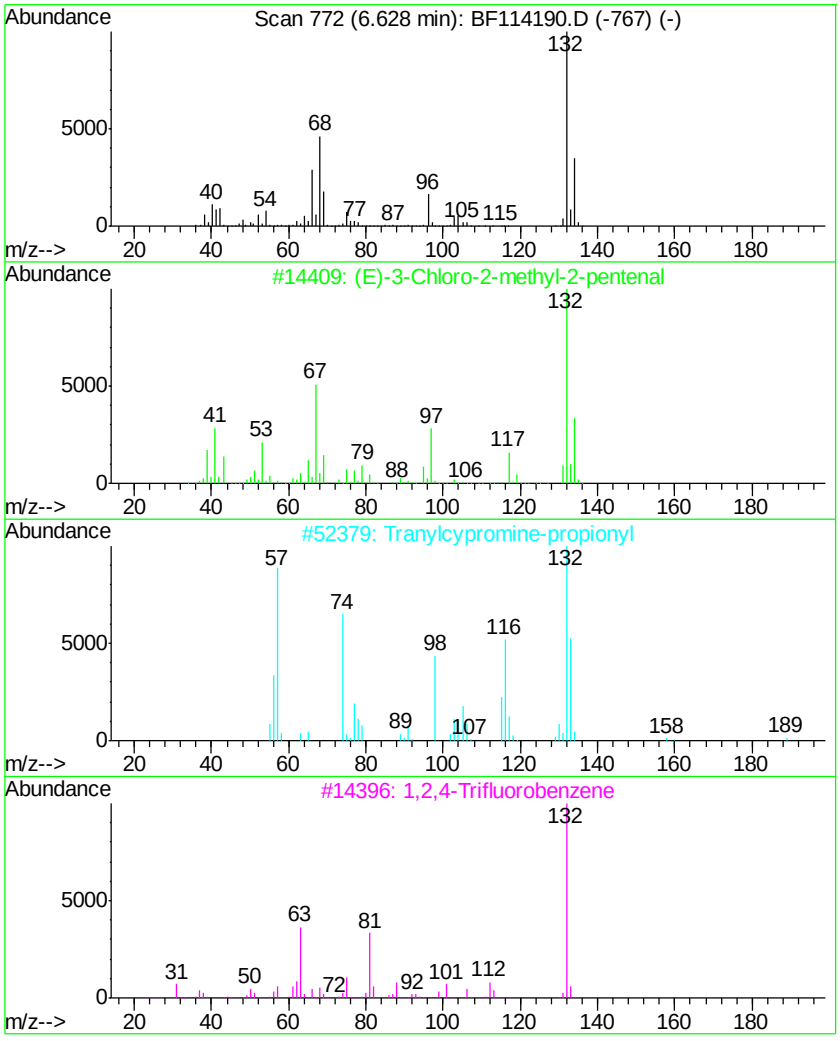
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

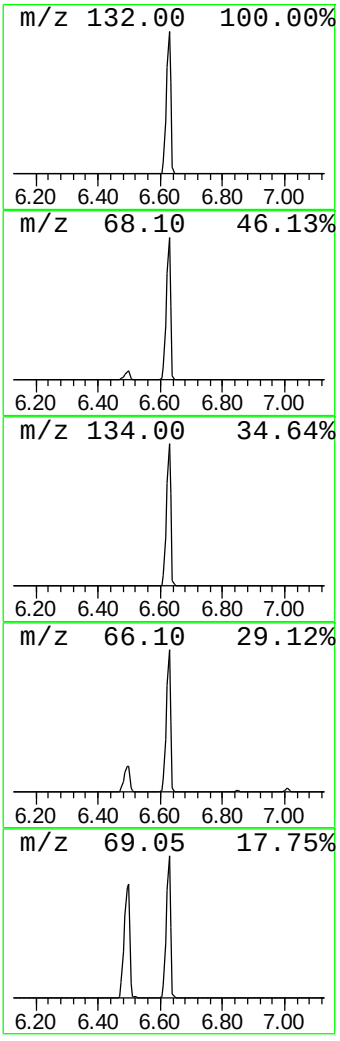
****

Peak Number 2 unknown6.63 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	84.22 ng	8151230	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
3	1,2,4-Trifluorobenzene	132	C6H3F3	000367-23-7	9
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114190.D
Acq On : 12 May 2019 14:20
Operator : JU/SJ
Sample : K2766-08
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS007-1218-01

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

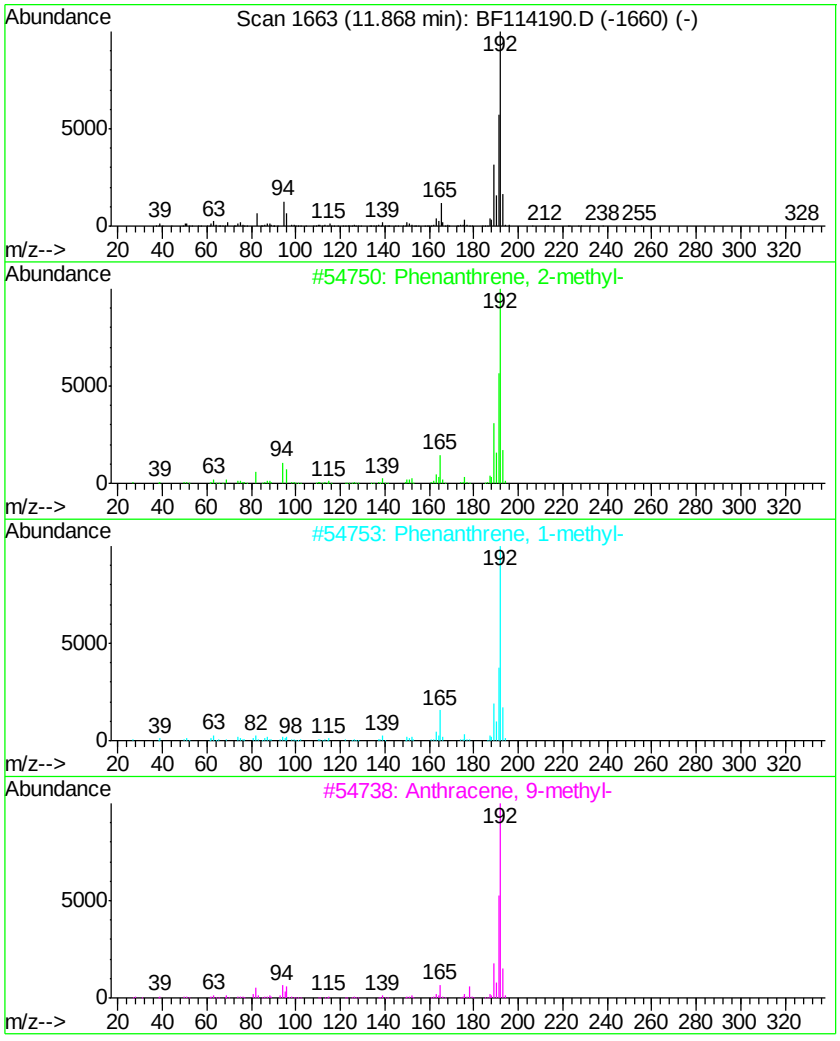
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

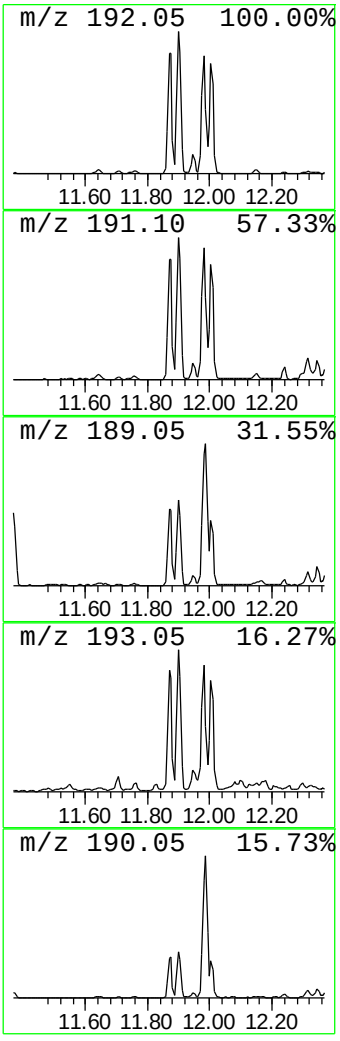
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	13.87 ng	2057950	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114190.D
Acq On : 12 May 2019 14:20
Operator : JU/SJ
Sample : K2766-08
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS007-1218-01

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

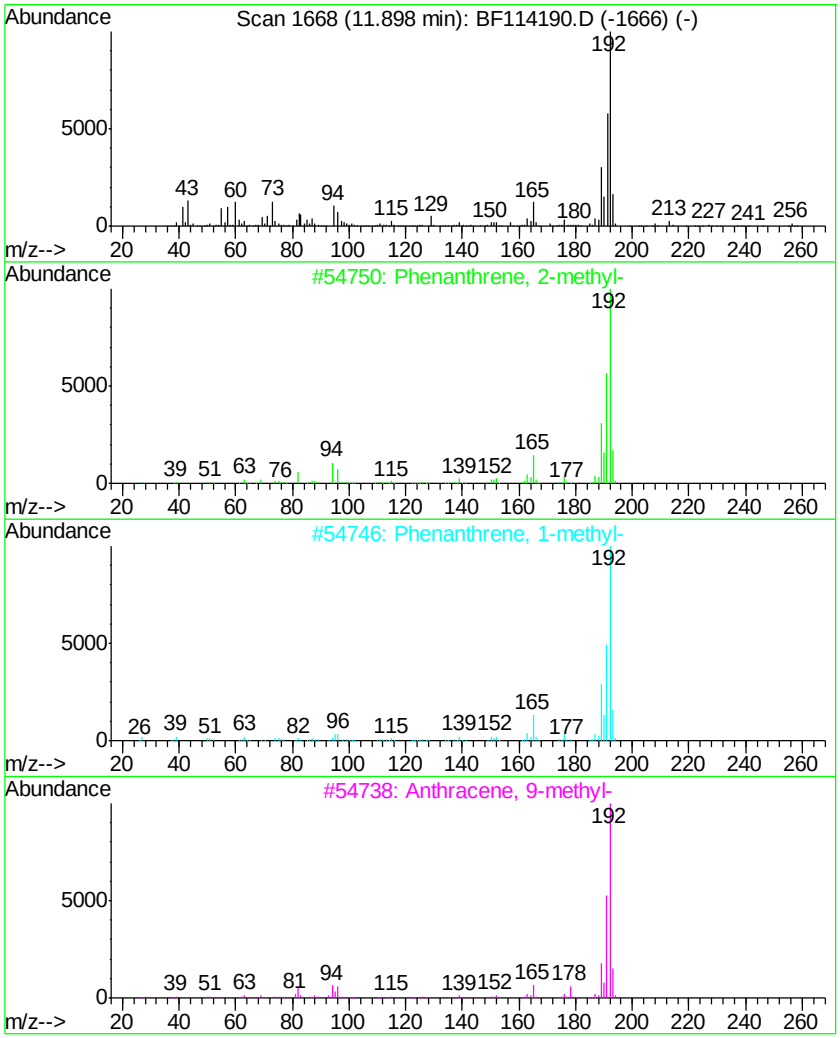
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

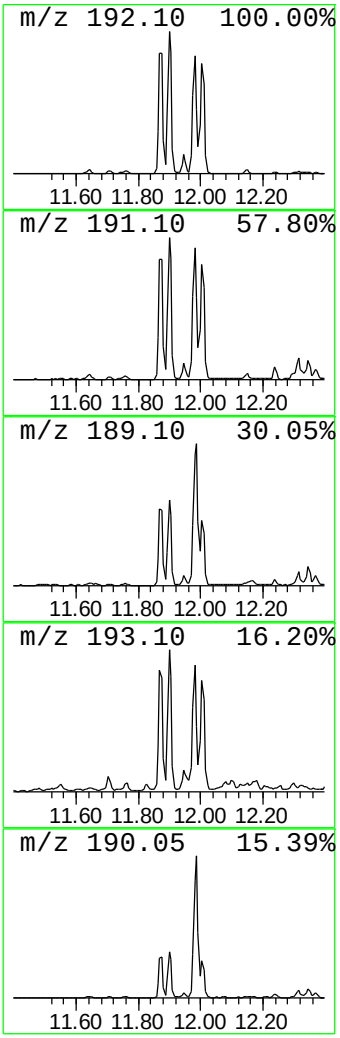
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	20.19 ng	2994990	Phenanthrene-d10	11.37

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	96
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114190.D
Acq On : 12 May 2019 14:20
Operator : JU/SJ
Sample : K2766-08
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS007-1218-01

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

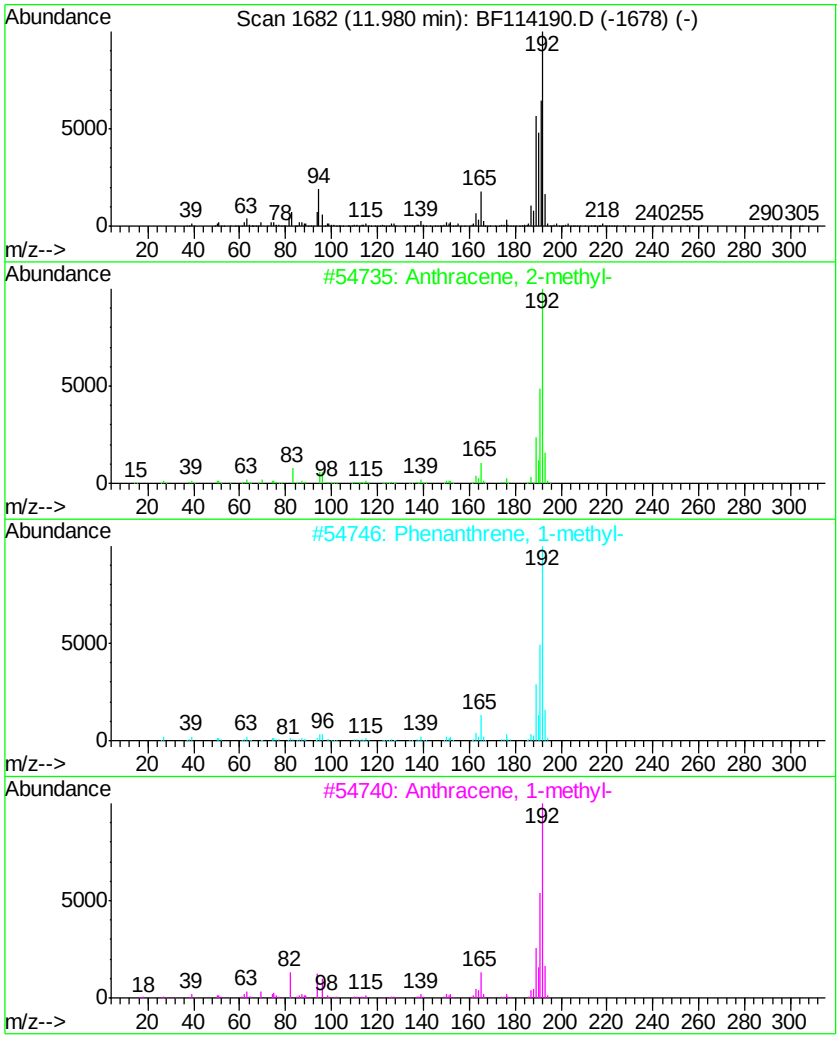
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

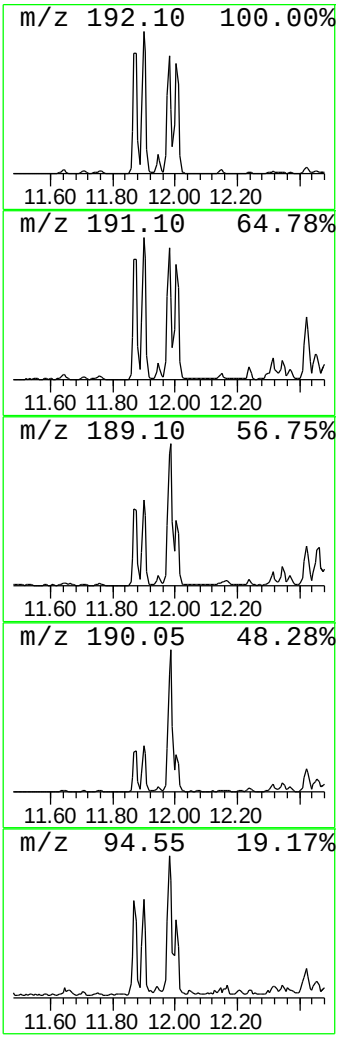
****

Peak Number 6 Anthracene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	17.73 ng	2630480	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	78
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	60
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	60





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114190.D
Acq On : 12 May 2019 14:20
Operator : JU/SJ
Sample : K2766-08
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS007-1218-01

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

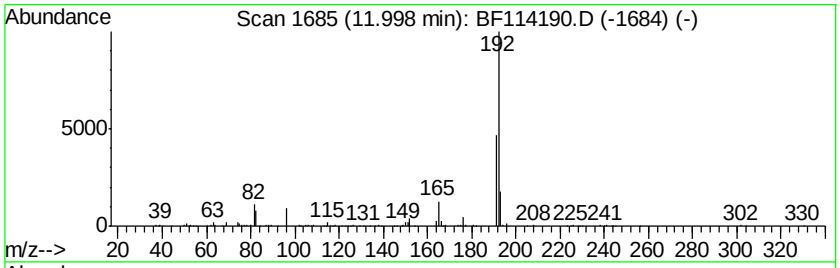
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

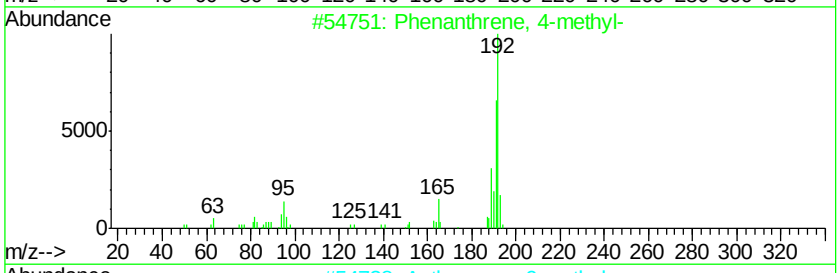
****

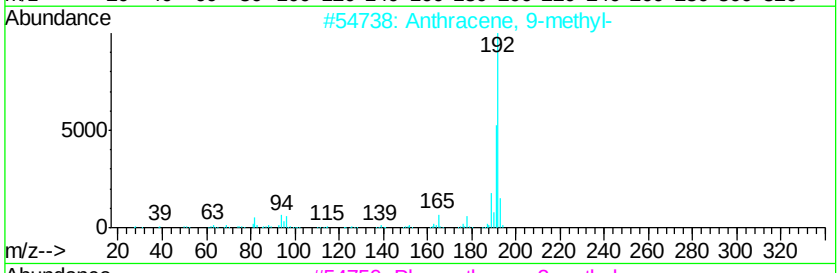
Peak Number 7 Phenanthrene, 4-methyl- Concentration Rank 11

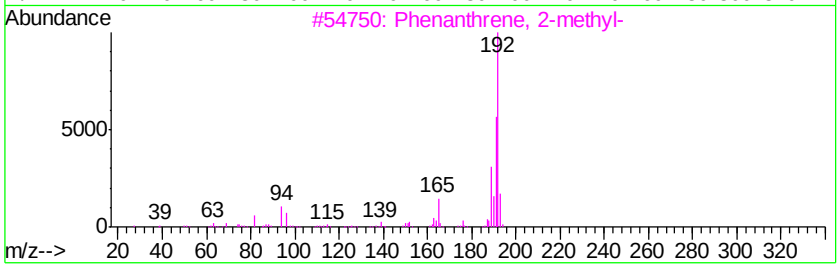
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	10.78 ng	1600160	Phenanthrene-d10	11.37

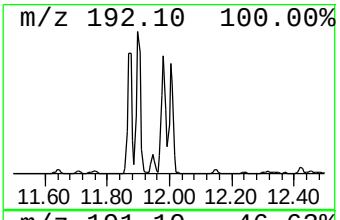
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91

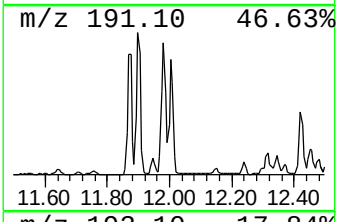


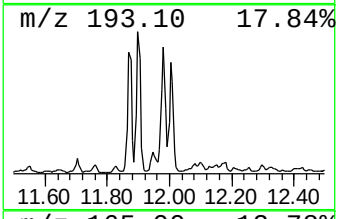


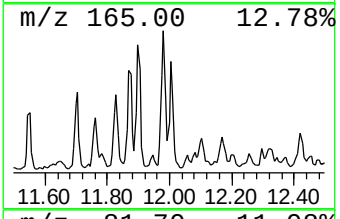


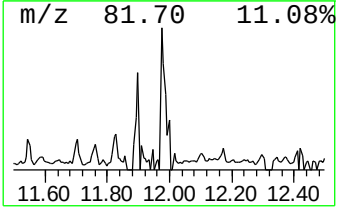












Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114190.D
Acq On : 12 May 2019 14:20
Operator : JU/SJ
Sample : K2766-08
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS007-1218-01

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

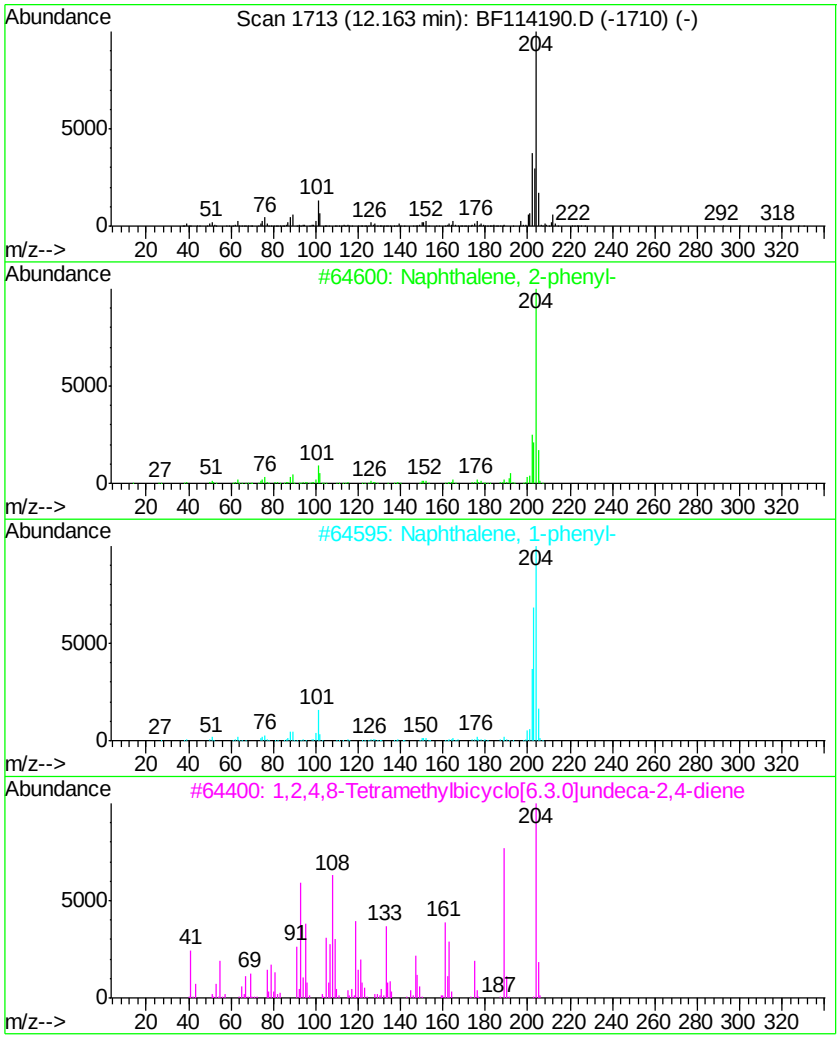
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

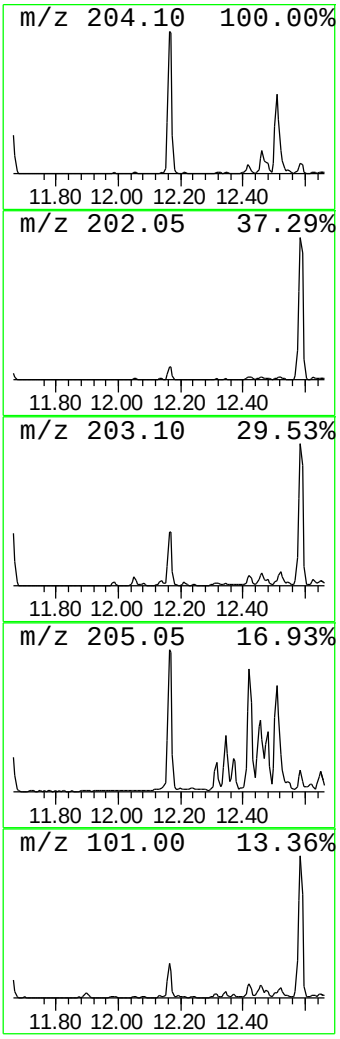
****

Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	11.75 ng	1743090	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	70
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	55
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	53
5	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114190.D
Acq On : 12 May 2019 14:20
Operator : JU/SJ
Sample : K2766-08
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS007-1218-01

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

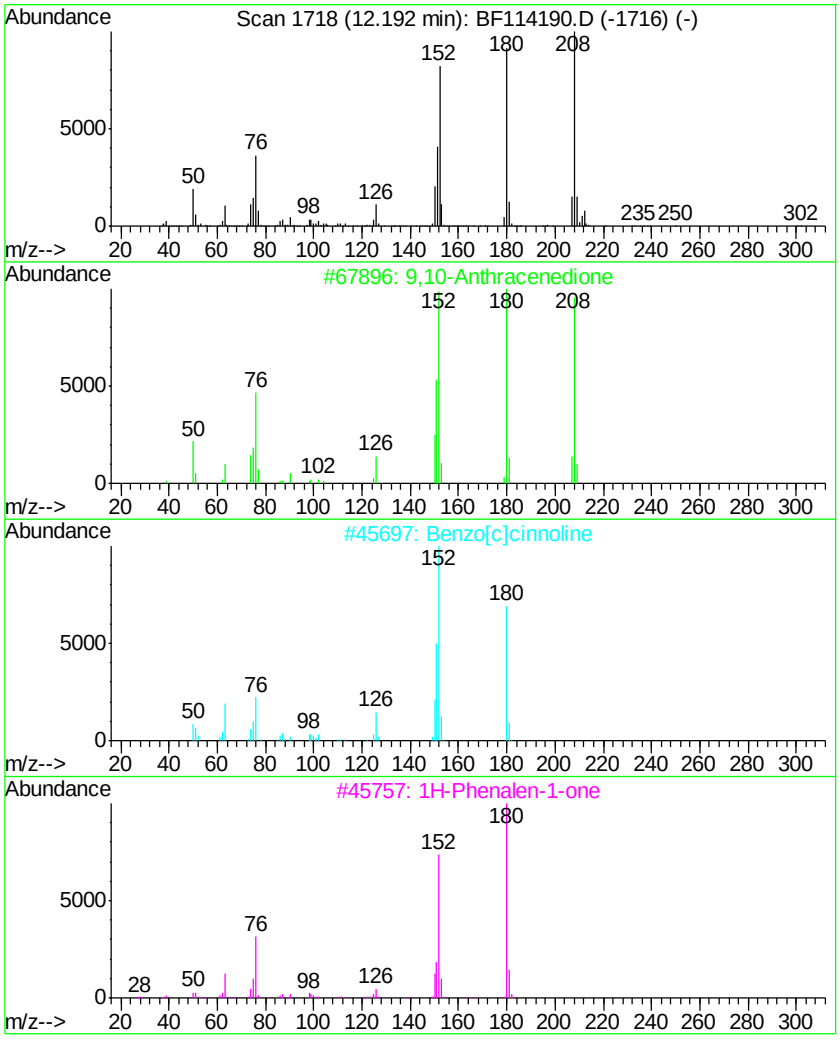
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

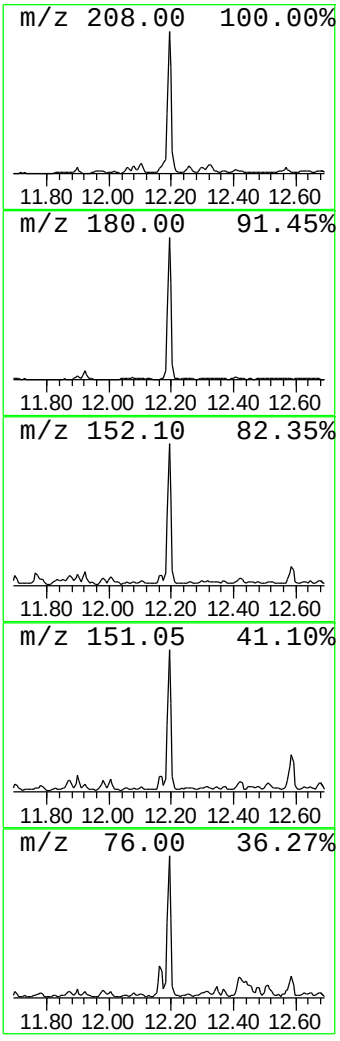
****

Peak Number 9 9,10-Anthracenedione Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	12.42 ng	1842780	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	92
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	60
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	53





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114190.D
Acq On : 12 May 2019 14:20
Operator : JU/SJ
Sample : K2766-08
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS007-1218-01

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

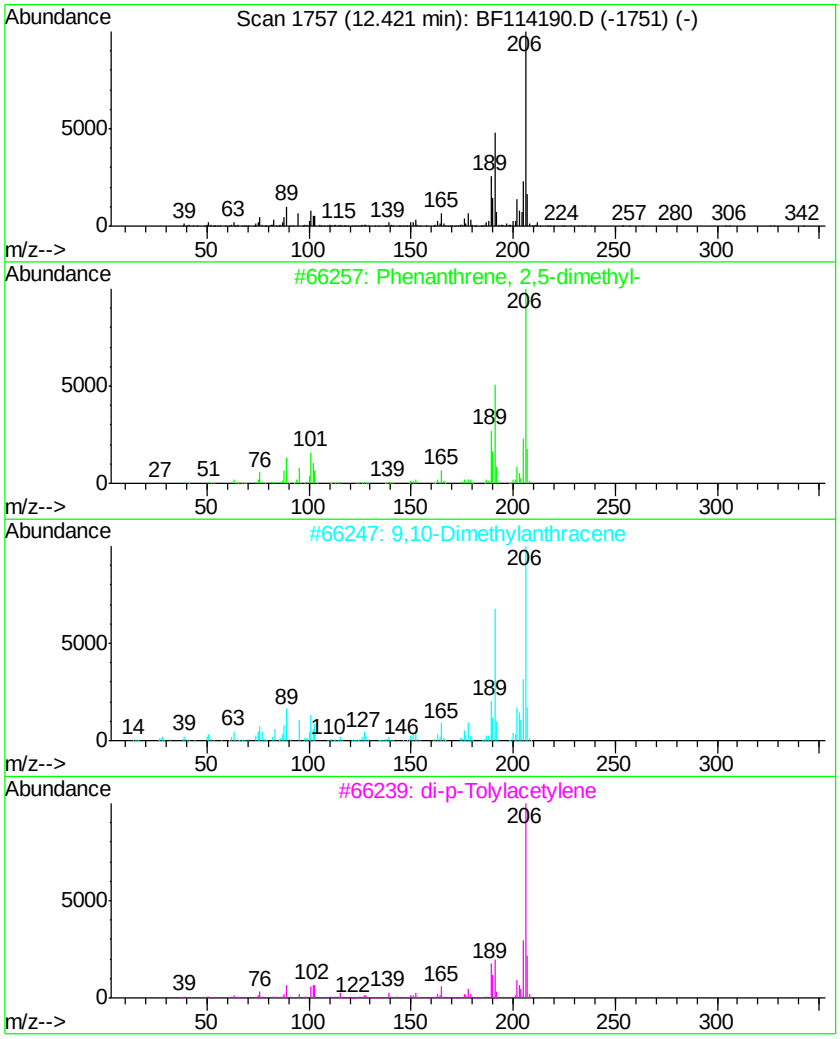
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

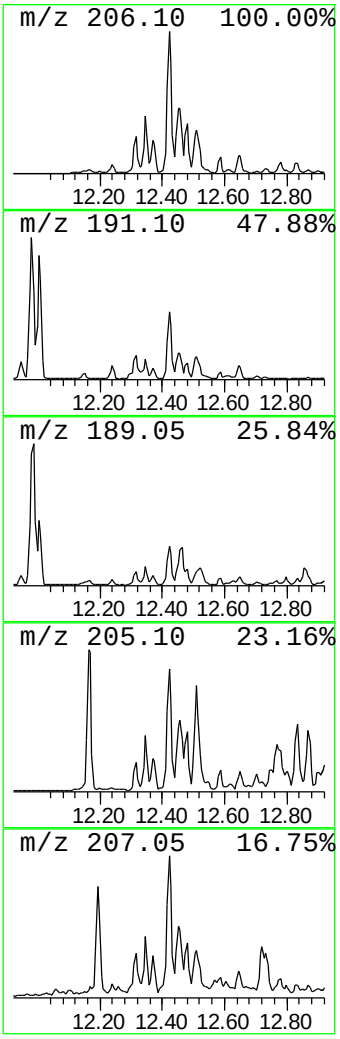
****

Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	13.94 ng	2068200	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	97
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	96
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114190.D
Acq On : 12 May 2019 14:20
Operator : JU/SJ
Sample : K2766-08
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS007-1218-01

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

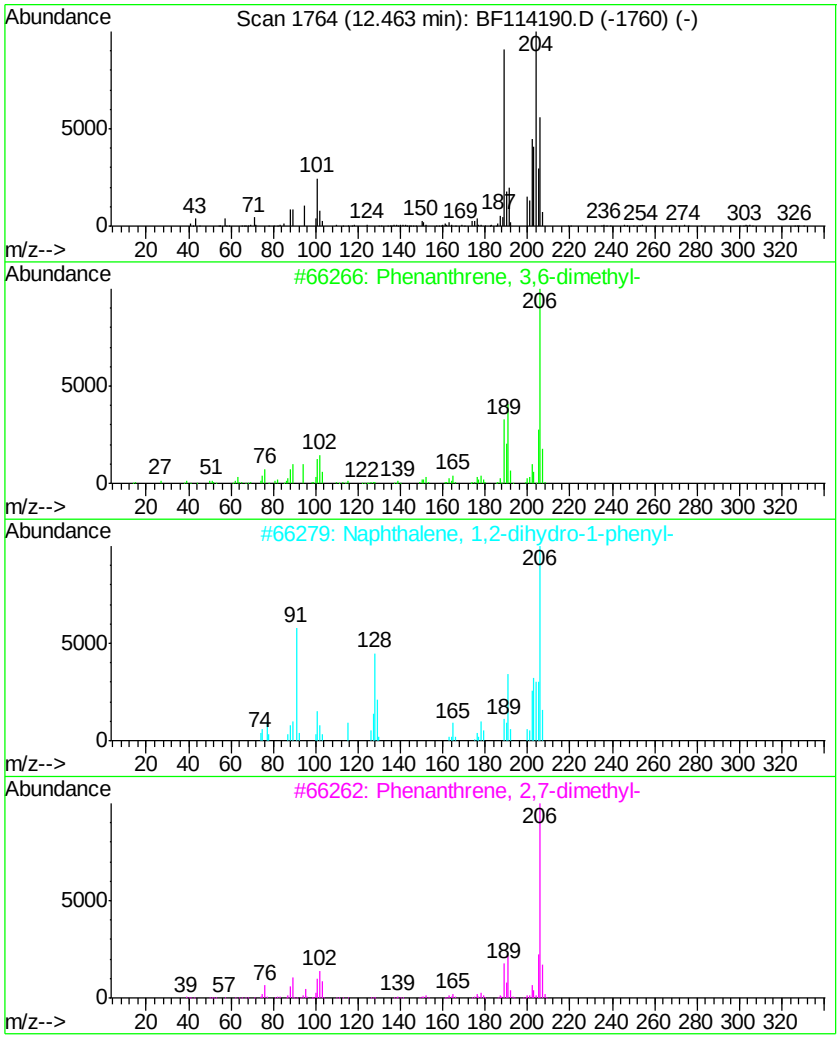
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

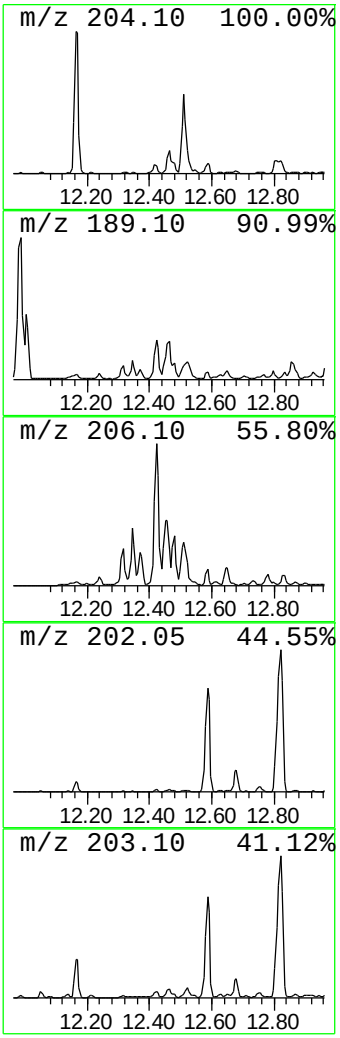
****

Peak Number 11 Phenanthrene, 3,6-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	5.96 ng	884544	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
2	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	53
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	52
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	49
5	Benzene, 1,1'-(1,3-butadienylide...	206	C16H14	004165-81-5	49





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114190.D
Acq On : 12 May 2019 14:20
Operator : JU/SJ
Sample : K2766-08
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS007-1218-01

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

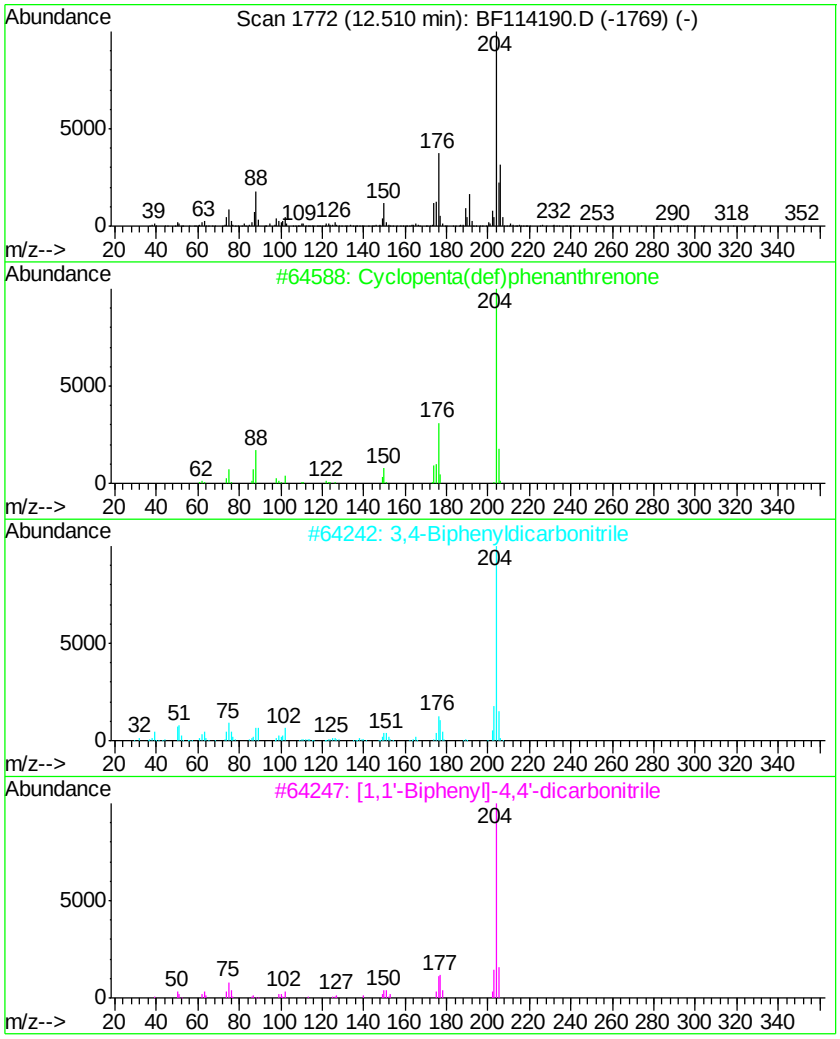
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

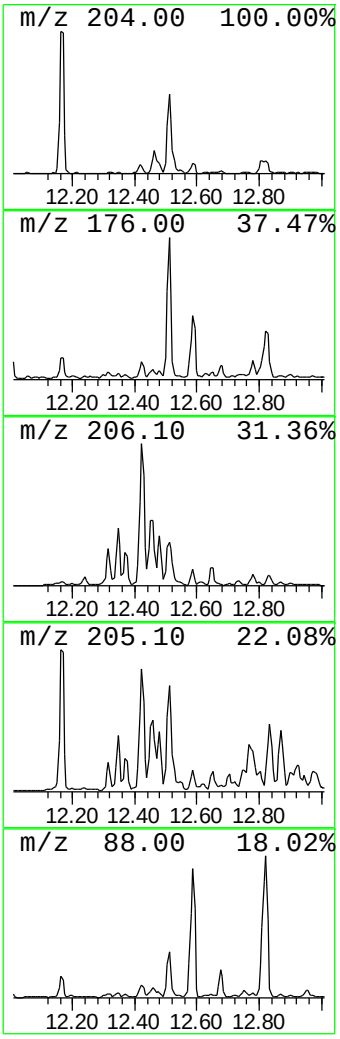
****

Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.51	10.37 ng	1537990	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	98
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	59
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
4	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	49
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114190.D
Acq On : 12 May 2019 14:20
Operator : JU/SJ
Sample : K2766-08
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS007-1218-01

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

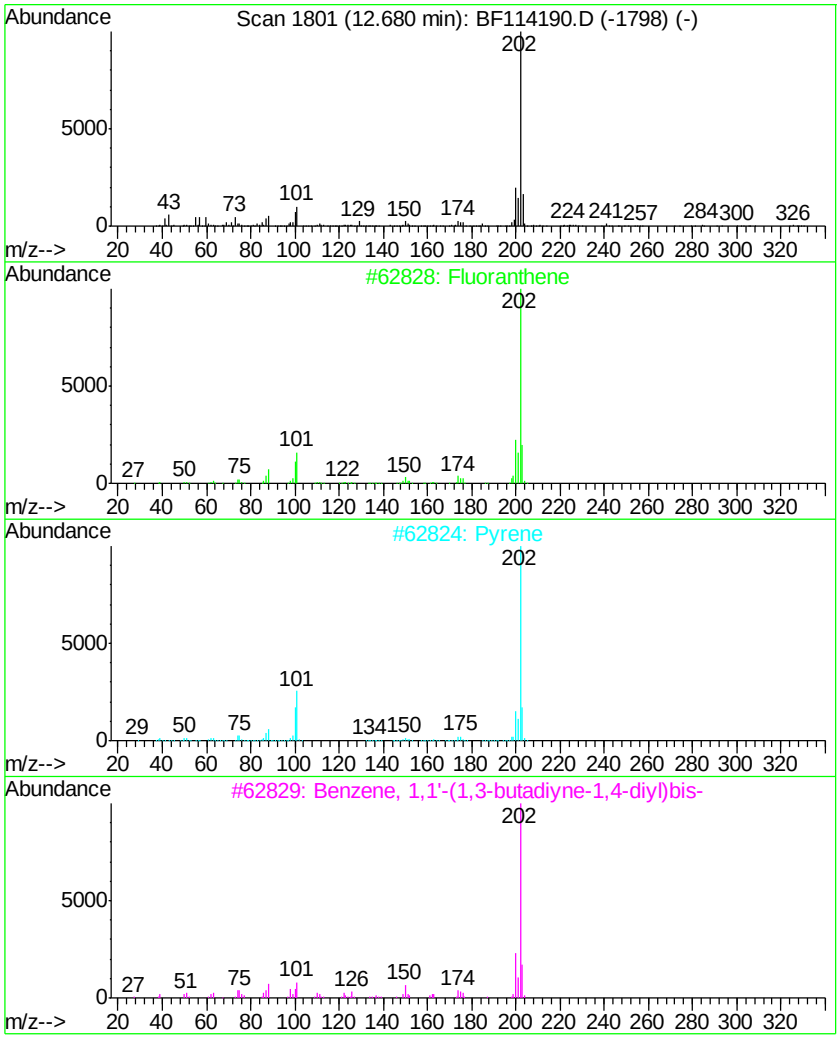
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

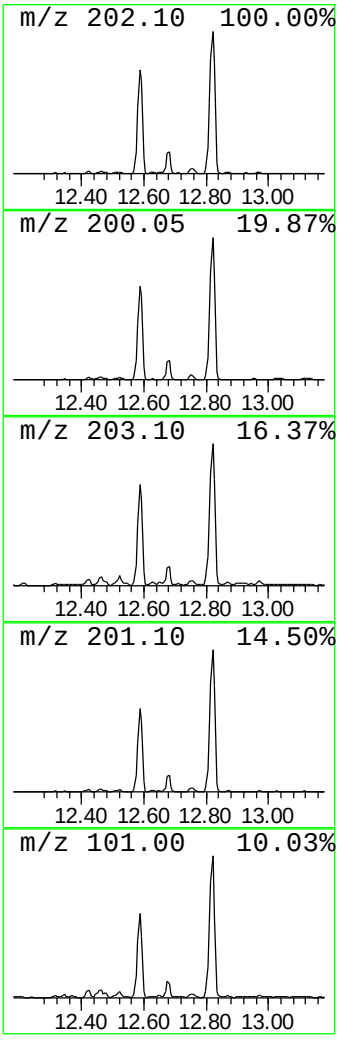
****

Peak Number 13 4,4'-Bis(tetrahydrothiopyran) Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.68	8.43 ng	1251360	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene	202	C16H10	000206-44-0	95
2	Pyrene	202	C16H10	000129-00-0	87
3	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	72
4	4,4'-Bis(tetrahydrothiopyran)	202	C10H18S2	116196-83-9	60
5	4-Methoxy-naphthalene-1-carboxyl...	202	C12H10O3	1000317-85-4	40





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114190.D
Acq On : 12 May 2019 14:20
Operator : JU/SJ
Sample : K2766-08
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS007-1218-01

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

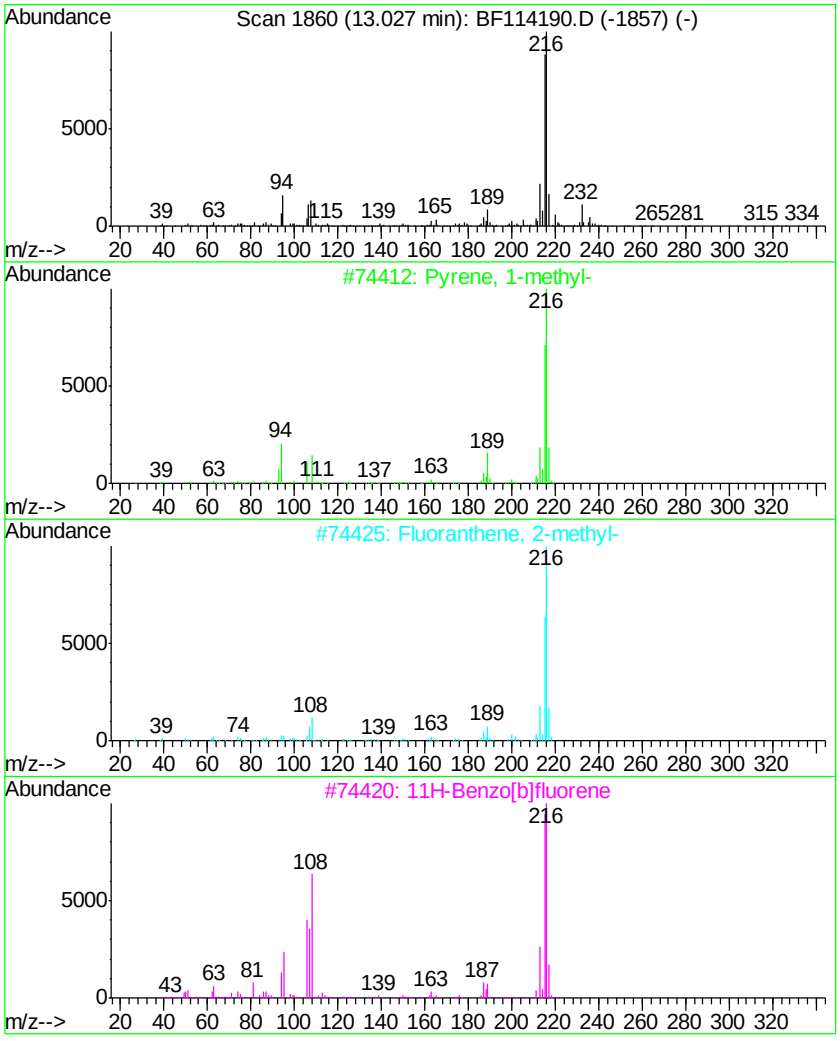
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

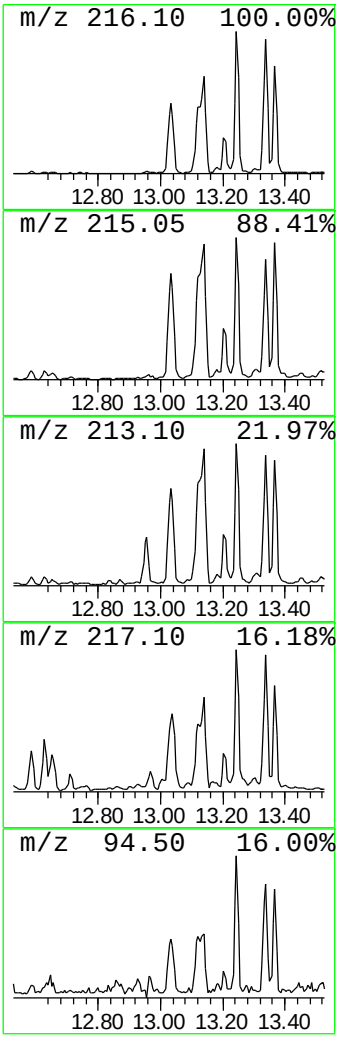
****

Peak Number 14 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.03	5.64 ng	1803850	Chrysene-d12	14.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	92
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114190.D
Acq On : 12 May 2019 14:20
Operator : JU/SJ
Sample : K2766-08
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS007-1218-01

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

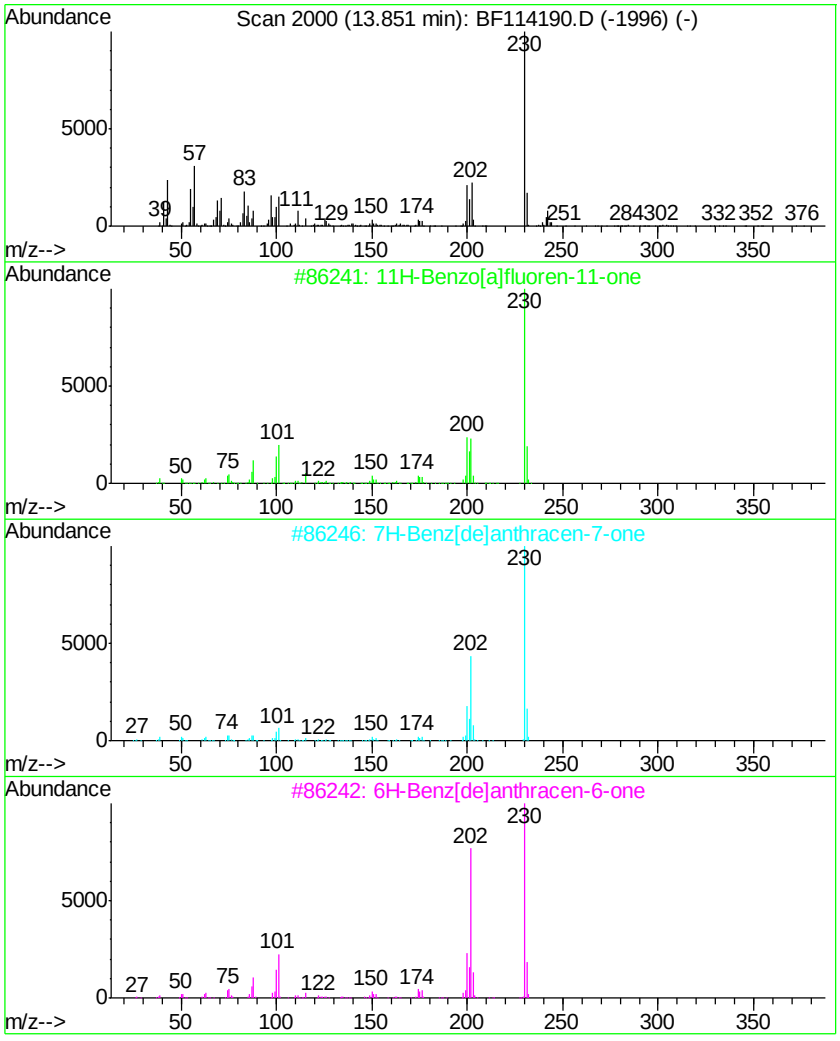
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

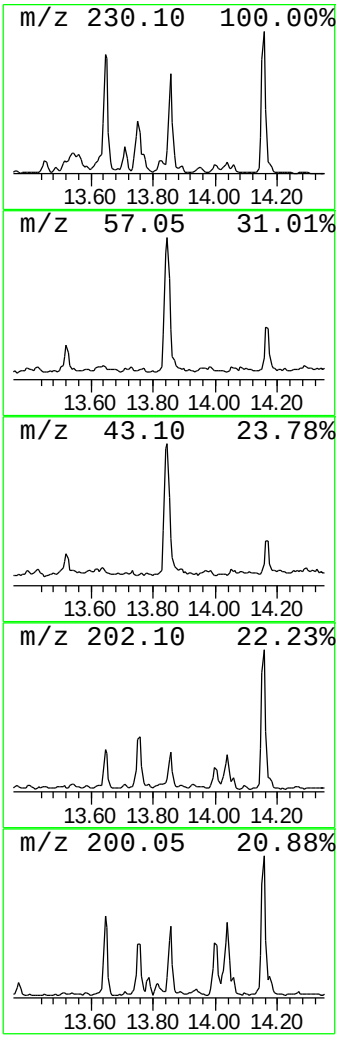
****

Peak Number 15 11H-Benzo[a]fluoren-11-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.85	5.64 ng	1805710	Chrysene-d12	14.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	93
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	76
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	76
4	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	59
5	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	59





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114190.D
Acq On : 12 May 2019 14:20
Operator : JU/SJ
Sample : K2766-08
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS007-1218-01

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

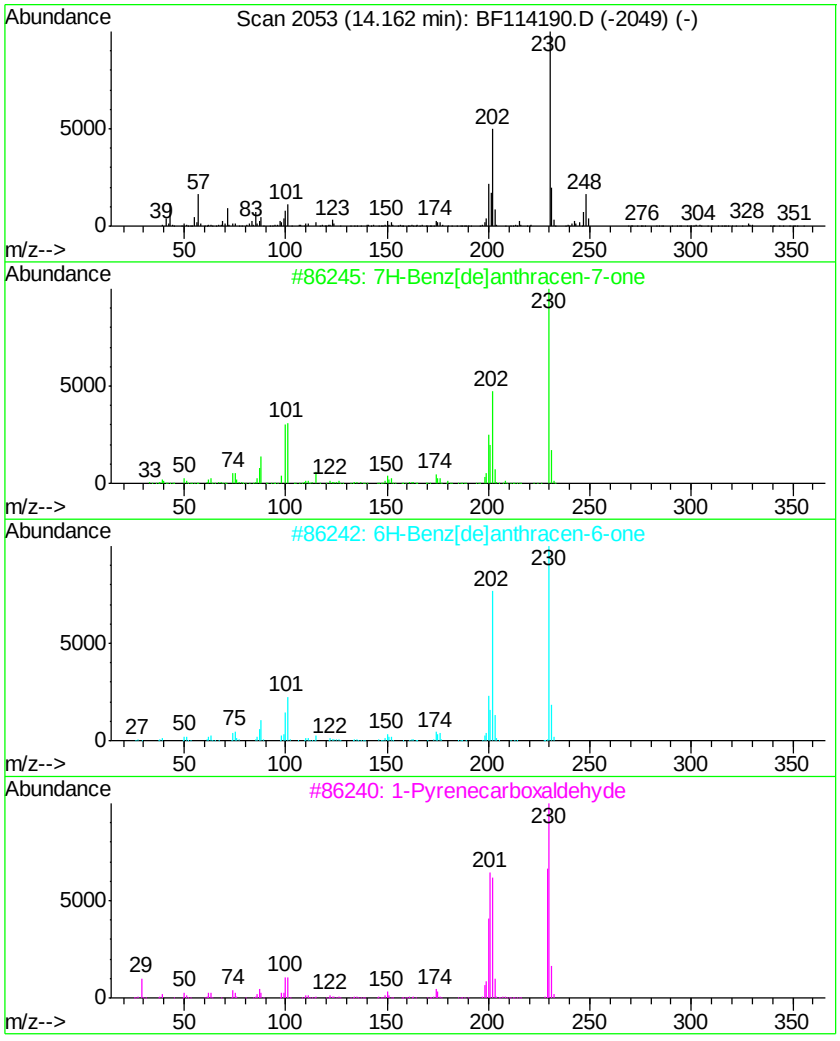
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

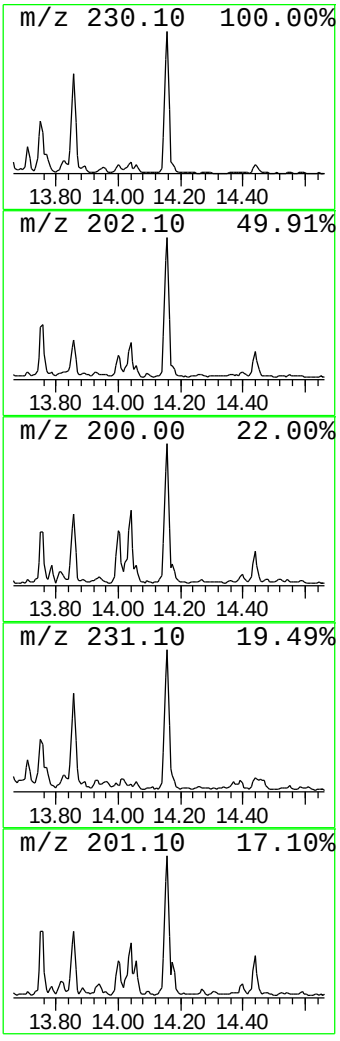
****

Peak Number 16 7H-Benz[de]anthracen-7-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.16	5.98 ng	1914530	Chrysene-d12	14.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	95
2	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	95
3	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	90
4	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	80
5	1,4-Pentadiyn-3-one, 1,5-diphenyl-	230	C17H10O	015814-30-9	59





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114190.D
Acq On : 12 May 2019 14:20
Operator : JU/SJ
Sample : K2766-08
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS007-1218-01

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

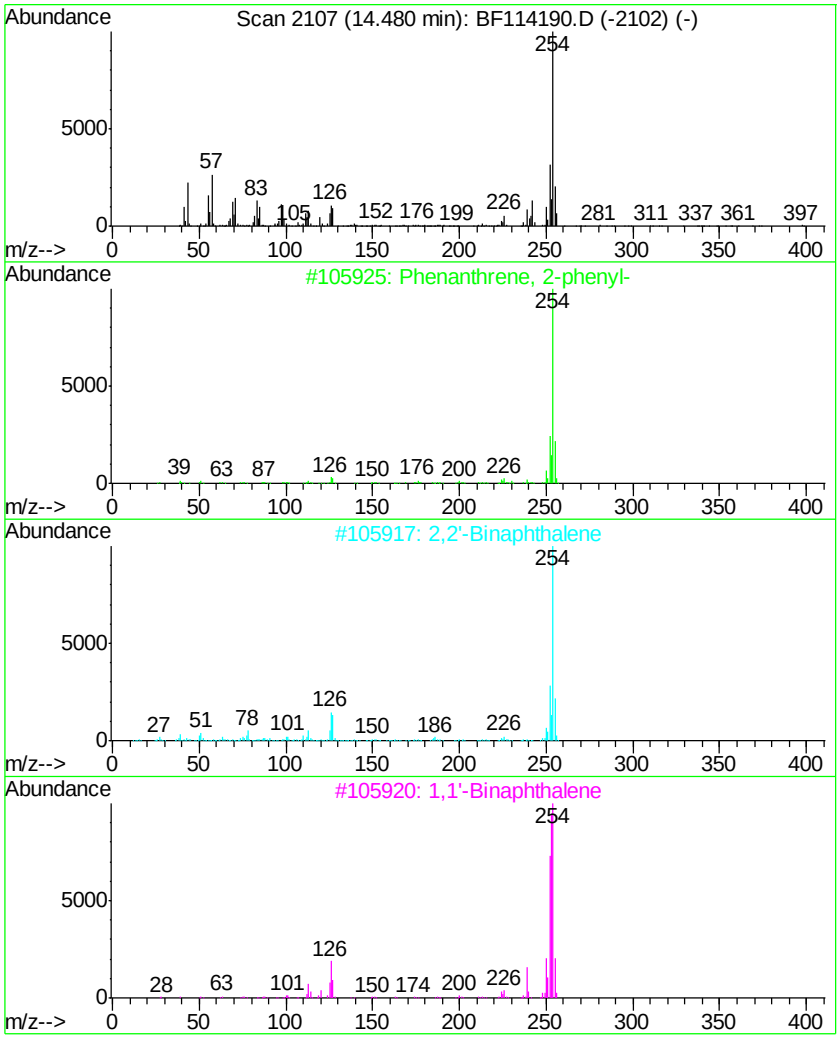
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

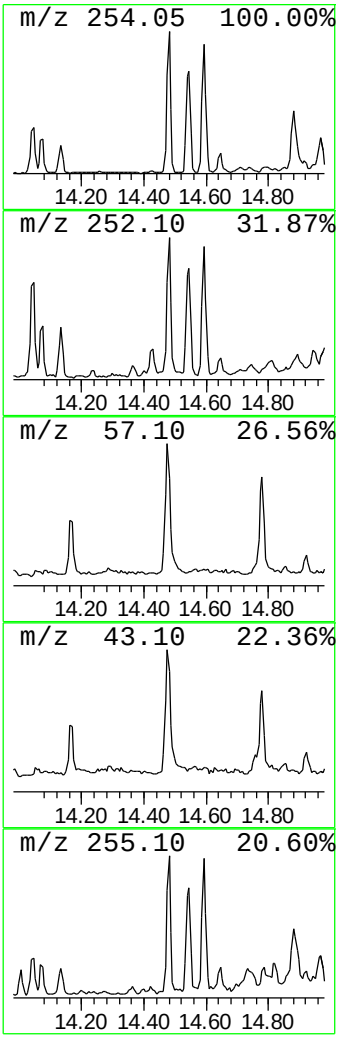
****

Peak Number 17 Phenanthrene, 2-phenyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.48	5.34 ng	1709870	Chrysene-d12	14.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-phenyl-	254	C20H14	004325-77-3	70
2	2,2'-Binaphthalene	254	C20H14	000612-78-2	62
3	1,1'-Binaphthalene	254	C20H14	000604-53-5	53
4	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	49
5	1,2'-Binaphthalene	254	C20H14	004325-74-0	49





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114190.D
Acq On : 12 May 2019 14:20
Operator : JU/SJ
Sample : K2766-08
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS007-1218-01

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

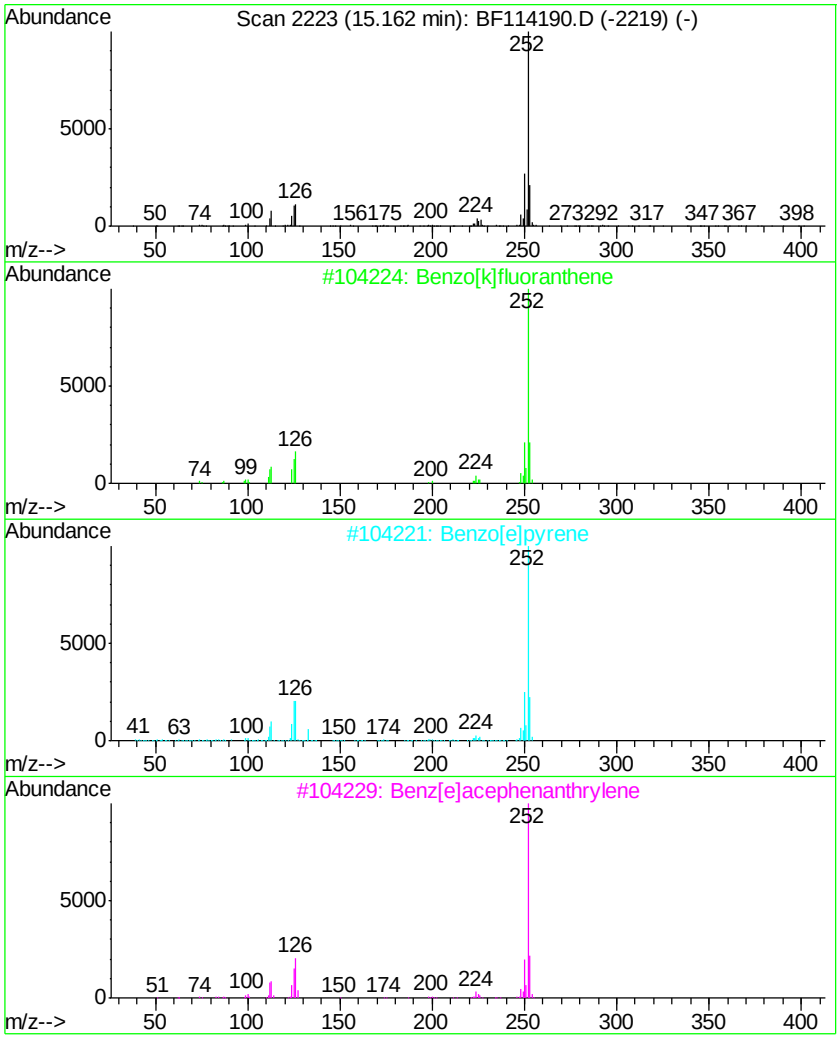
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

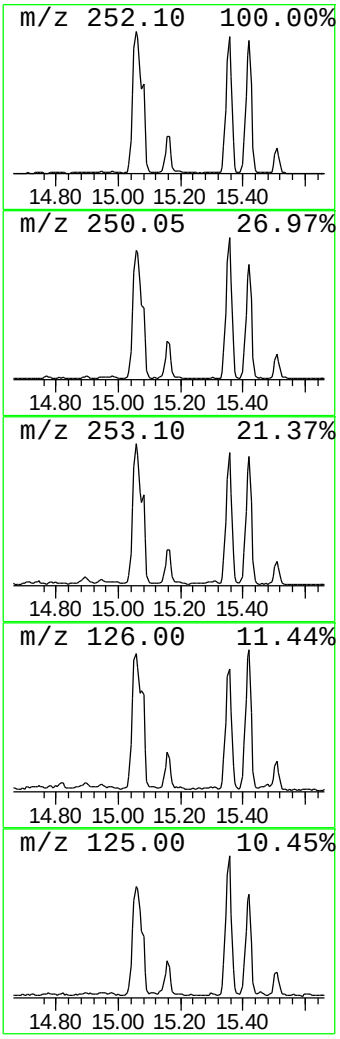
****

Peak Number 18 unknown15.16 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.16	5.71 ng	720180	Perylene-d12	15.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
2	Benzo[e]pyrene	252	C20H12	000192-97-2	97
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
4	Perylene	252	C20H12	000198-55-0	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114190.D
Acq On : 12 May 2019 14:20
Operator : JU/SJ
Sample : K2766-08
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS007-1218-01

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

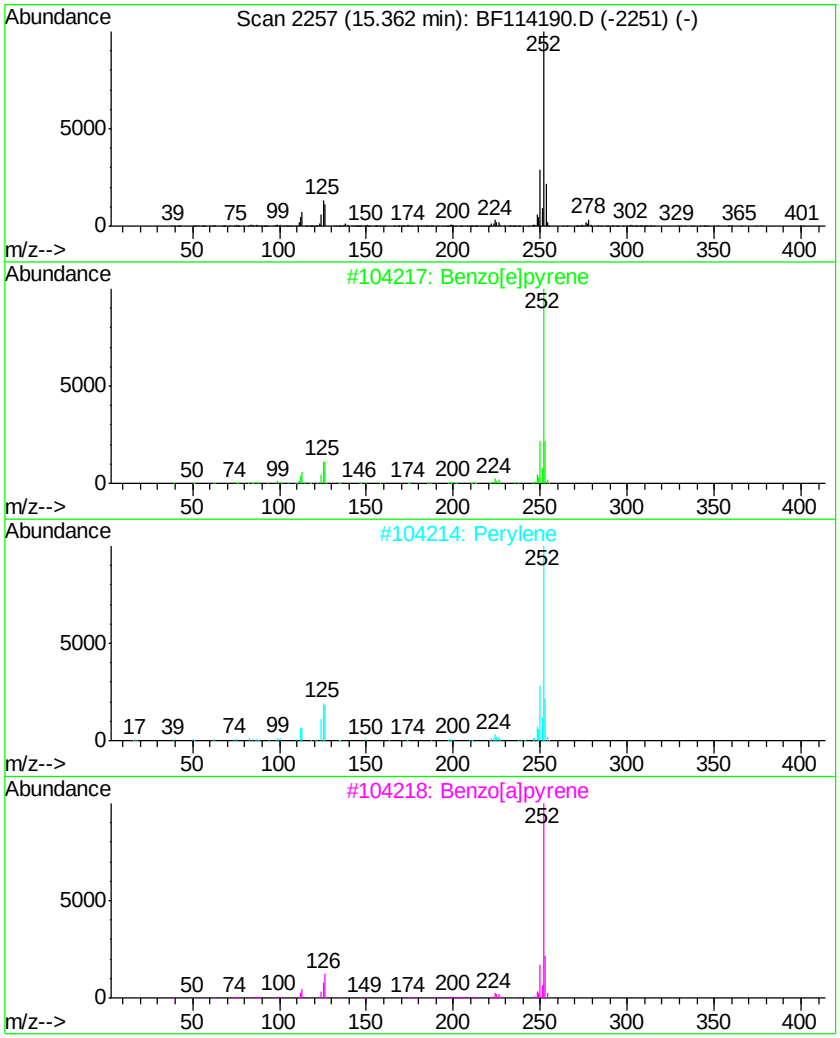
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

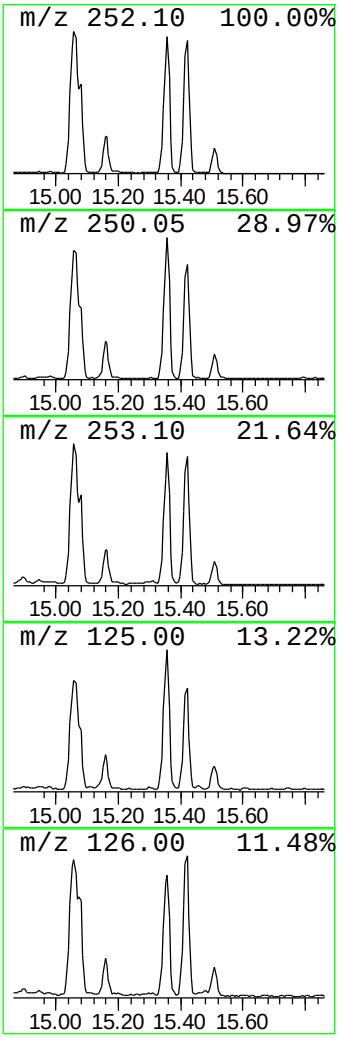
****

Peak Number 19 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.36	23.18 ng	2924420	Perylene-d12	15.48

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	98
3	Benzo[a]pyrene	252	C20H12	000050-32-8	96
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051219\
Data File : BF114190.D
Acq On : 12 May 2019 14:20
Operator : JU/SJ
Sample : K2766-08
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS007-1218-01

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

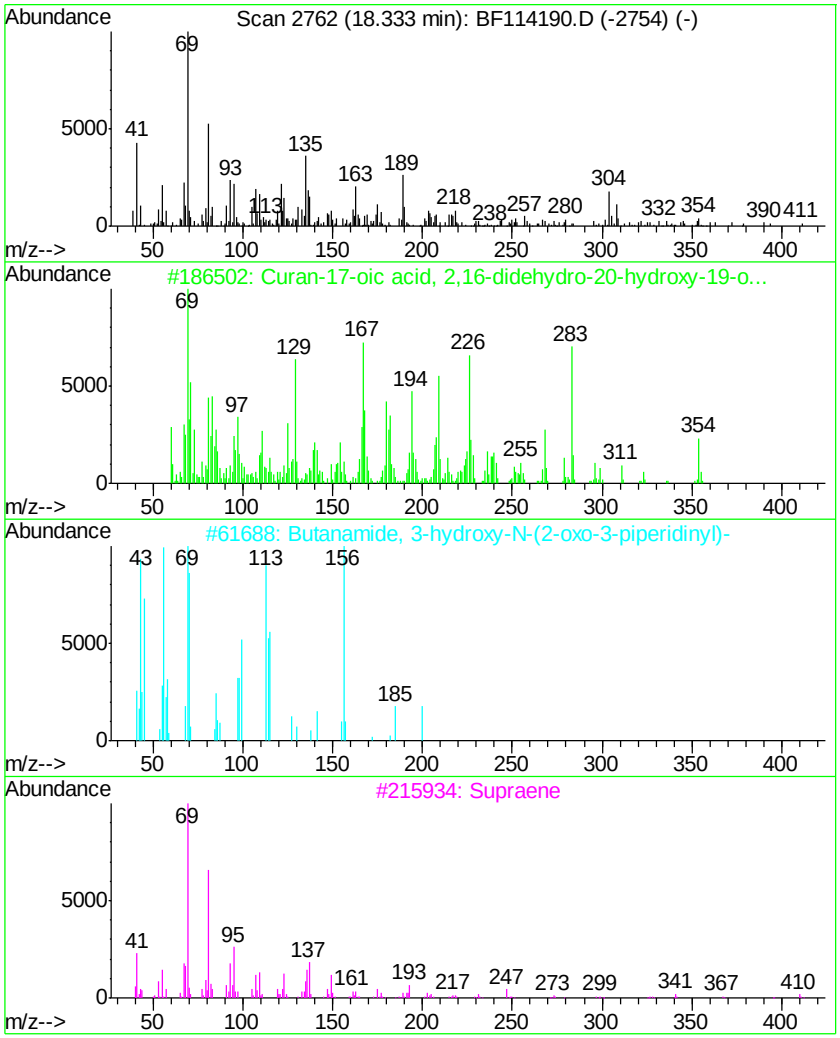
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

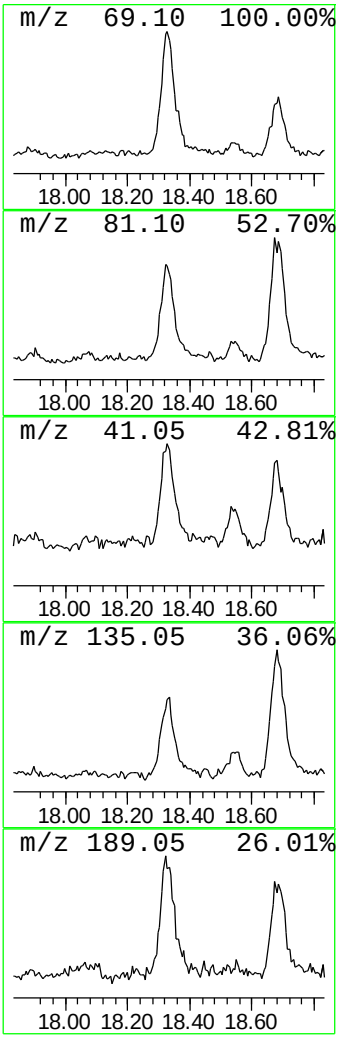
****

Peak Number 20 Curan-17-oic acid, 2,16-did... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.33	6.10 ng	770217	Perylene-d12	15.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Curan-17-oic acid, 2,16-didehydr...	354	C20H22N2O4	056053-15-7	78
2	Butanamide, 3-hydroxy-N-(2-oxo-3...	200	C9H16N2O3	034655-85-1	70
3	Supraene	410	C30H50	007683-64-9	52
4	Farnesol, acetate	264	C17H28O2	1000352-67-2	38
5	4-Geranyloxy-3-hydroxy-5-methoxy...	332	C19H24O5	076878-70-1	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051219\
Data File : BF114190.D
Acq On : 12 May 2019 14:20
Operator : JU/SJ
Sample : K2766-08
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P026-SS007-1218-01

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...	2.14	22.8	ng	2210310	1	6.85	1935750	20.0
unknown6.63	6.63	84.2	ng	8151230	1	6.85	1935750	20.0
Phenanthrene, 2-m...	11.87	13.9	ng	2057950	4	11.37	2967430	20.0
Phenanthrene, 1-m...	11.90	20.2	ng	2994990	4	11.37	2967430	20.0
Anthracene, 2-met...	11.98	17.7	ng	2630480	4	11.37	2967430	20.0
Phenanthrene, 4-m...	12.00	10.8	ng	1600160	4	11.37	2967430	20.0
Naphthalene, 2-ph...	12.16	11.8	ng	1743090	4	11.37	2967430	20.0
9,10-Anthracenedione	12.19	12.4	ng	1842780	4	11.37	2967430	20.0
Phenanthrene, 2,5...	12.42	13.9	ng	2068200	4	11.37	2967430	20.0
Phenanthrene, 3,6...	12.46	6.0	ng	884544	4	11.37	2967430	20.0
Cyclopenta(def)ph...	12.51	10.4	ng	1537990	4	11.37	2967430	20.0
4,4'-Bis(tetrahyd...	12.68	8.4	ng	1251360	4	11.37	2967430	20.0
Pyrene, 1-methyl-	13.03	5.6	ng	1803850	5	14.01	6399850	20.0
11H-Benzo[a]fluor...	13.85	5.6	ng	1805710	5	14.01	6399850	20.0
7H-Benz[de]anthra...	14.16	6.0	ng	1914530	5	14.01	6399850	20.0
Phenanthrene, 2-p...	14.48	5.3	ng	1709870	5	14.01	6399850	20.0
unknown15.16	15.16	5.7	ng	720180	6	15.48	2523270	20.0
Benzo[e]pyrene	15.36	23.2	ng	2924420	6	15.48	2523270	20.0
Curan-17-oic acid...	18.33	6.1	ng	770217	6	15.48	2523270	20.0