LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042121\
Data File : BF123670.D
Acq On : 21 Apr 2021 16:47
Operator : JU/CG
Sample : M2075-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-6-S

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-BF041521.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF123670.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.475	571	576	579	rBV	5496766	5362510	45.56%	3.355%
2	6.487	743	748	760	rBV	5548872	5516955	46.87%	3.452%
3	6.851	806	810	813	rBV	1555971	1297143	11.02%	0.812%
4	7.410	900	905	908	rBV	4090723	3595883	30.55%	2.250%
5	8.134	1024	1028	1030	rBV	2025696	1627879	13.83%	1.019%
6	8.157	1030	1032	1035	rVB	526115	399781	3.40%	0.250%
7	8.845	1146	1149	1155	rVB	323732	295628	2.51%	0.185%
8	8.945	1163	1166	1170	rBV	519553	427050	3.63%	0.267%
9	9.216	1207	1212	1215	rBV	5694228	5160985	43.85%	3.229%
10	9.481	1251	1257	1260	rBV2	198372	272755	2.32%	0.171%
11	9.551	1265	1269	1271	rBV	508424	465433	3.95%	0.291%
12	9.604	1276	1278	1284	rBV	324756	254950	2.17%	0.160%
13	9.751	1300	1303	1308	rVB	970464	754177	6.41%	0.472%
14	9.892	1324	1327	1330	rVB	2058724	1557246	13.23%	0.974%
15	9.928	1330	1333	1336	rVB	1377831	1105013	9.39%	0.691%
16	10.098	1358	1362	1365	rBV	878045	760566	6.46%	0.476%
17	10.210	1377	1381	1384	rBV2	255823	267275	2.27%	0.167%
18	10.298	1392	1396	1398	rBV2	188211	248946	2.12%	0.156%
19	10.439	1417	1420	1425	rBV	1482121	1318768	11.20%	0.825%
20	10.598	1445	1447	1452	rVB	530081	440974	3.75%	0.276%
21	10.681	1457	1461	1465	rVV	3601564	3580450	30.42%	2.240%
22	10.992	1507	1514	1516	rBV4	414833	647054	5.50%	0.405%
23	11.122	1530	1536	1538	rVV2	351607	518683	4.41%	0.325%
24	11.139	1538	1539	1541	rVV	350551	267288	2.27%	0.167%
25	11.186	1544	1547	1551	rVB	803689	720056	6.12%	0.451%
26	11.239	1551	1556	1559	rBV3	375905	589615	5.01%	0.369%
27	11.280	1559	1563	1569	rVB	870634	912721	7.75%	0.571%
28	11.386	1577	1581	1582	rBV	1446840	1375753	11.69%	0.861%
29	11.416	1582	1586	1589	rVV	10343171	11533115	97.99%	7.216%
30	11.463	1589	1594	1597	rVV	3581210	3136864	26.65%	1.963%
31	11.492	1597	1599	1602	rVB	464836	390767	3.32%	0.244%
32	11.616	1613	1620	1622	rBV2	1530214	1706681	14.50%	1.068%
33	11.680	1628	1631	1634	rVV2	545371	491273	4.17%	0.307%
34	11.716	1634	1637	1642	rVV3	388534	448495	3.81%	0.281%
35	11.886	1661	1666	1669	rBV	1966773	1889945	16.06%	1.182%
36	11.916	1669	1671	1675	rVB	2799158	2181408	18.53%	1.365%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042121\
Data File : BF123670.D
Acq On : 21 Apr 2021 16:47
Operator : JU/CG
Sample : M2075-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-6-S

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-BF041521.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.963	1675	1679	1682	rBV	1125135	948001	8.05%	0.593%
38	12.004	1682	1686	1688	rBV	2619542	3067054	26.06%	1.919%
39	12.022	1688	1689	1693	rVB	1562173	973681	8.27%	0.609%
40	12.069	1693	1697	1699	rBV3	233794	277024	2.35%	0.173%
41	12.180	1713	1716	1719	rVV	1360636	1310143	11.13%	0.820%
42	12.210	1719	1721	1724	rVB	1061299	769923	6.54%	0.482%
43	12.333	1737	1742	1745	rBV2	482827	520289	4.42%	0.326%
44	12.363	1745	1747	1749	rVB	375602	257099	2.18%	0.161%
45	12.386	1749	1751	1754	rVB	356032	288226	2.45%	0.180%
46	12.439	1754	1760	1763	rBV	879978	1187765	10.09%	0.743%
47	12.480	1763	1767	1768	rVV2	578321	680845	5.78%	0.426%
48	12.498	1768	1770	1772	rVB	331837	259662	2.21%	0.162%
49	12.527	1772	1775	1780	rVB2	789384	918275	7.80%	0.575%
50	12.616	1784	1790	1793	rVB	9601202	10871639	92.37%	6.802%
51	12.698	1801	1804	1806	rVB	558861	473469	4.02%	0.296%
52	12.751	1806	1813	1817	rBV3	519684	994883	8.45%	0.622%
53	12.845	1822	1829	1832	rBV2	8701718	11769760	100.00%	7.364%
54	12.880	1832	1835	1841	rVB2	685874	767893	6.52%	0.480%
55	12.951	1842	1847	1848	rBV	877094	767279	6.52%	0.480%
56	12.974	1848	1851	1858	rVB2	4169730	4144117	35.21%	2.593%
57	13.051	1858	1864	1867	rBV2	815514	1396966	11.87%	0.874%
58	13.139	1875	1879	1880	rBV3	601240	716282	6.09%	0.448%
59	13.163	1880	1883	1886	rVB	1326215	1313238	11.16%	0.822%
60	13.227	1886	1894	1896	rBV	883328	1049939	8.92%	0.657%
61	13.263	1896	1900	1903	rBV2	1249393	1331672	11.31%	0.833%
62	13.292	1903	1905	1908	rVB2	301570	261274	2.22%	0.163%
63	13.357	1913	1916	1918	rBV	637541	486057	4.13%	0.304%
64	13.386	1918	1921	1925	rBV2	707010	644829	5.48%	0.403%
65	13.469	1931	1935	1939	rVB4	241751	334104	2.84%	0.209%
66	13.551	1944	1949	1950	rBV3	218641	341322	2.90%	0.214%
67	13.669	1966	1969	1973	rVB	988476	937251	7.96%	0.586%
68	13.774	1983	1987	1990	rBV2	691665	912002	7.75%	0.571%
69	13.810	1990	1993	1995	rVV	1060615	925897	7.87%	0.579%
70	13.833	1995	1997	2002	rVV2	670733	1006161	8.55%	0.630%
71	13.880	2002	2005	2008	rVB	993142	893301	7.59%	0.559%
72	14.027	2023	2030	2034	rBV2	4824023	7155594	60.80%	4.477%
73	14.069	2034	2037	2042	rVB	4004031	4246558	36.08%	2.657%
74	14.139	2047	2049	2053	rVV	861882	784949	6.67%	0.491%
75	14.221	2060	2063	2065	rVV3	342510	384340	3.27%	0.240%
76	14.257	2065	2069	2072	rVV2	476429	698418	5.93%	0.437%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042121\
Data File : BF123670.D
Acq On : 21 Apr 2021 16:47
Operator : JU/CG
Sample : M2075-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-6-S

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-BF041521.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.286	2072	2074	2077	rVB2	256829	248041	2.11%	0.155%
78	14.421	2093	2097	2100	rVV	1097192	1087283	9.24%	0.680%
79	14.457	2100	2103	2106	rVV	557773	514540	4.37%	0.322%
80	14.516	2106	2113	2115	rVV3	385005	694889	5.90%	0.435%
81	14.545	2115	2118	2120	rVV	531262	500814	4.26%	0.313%
82	14.568	2120	2122	2126	rVV2	510032	446562	3.79%	0.279%
83	14.616	2126	2130	2137	rVB4	352020	598732	5.09%	0.375%
84	14.733	2145	2150	2152	rBV3	398945	525191	4.46%	0.329%
85	14.921	2174	2182	2185	rBV4	369058	825240	7.01%	0.516%
86	15.092	2205	2211	2214	rBV	3227649	5756979	48.91%	3.602%
87	15.192	2225	2228	2232	rVB	774133	774263	6.58%	0.484%
88	15.286	2240	2244	2245	rBV3	240698	314802	2.67%	0.197%
89	15.398	2257	2263	2269	rVB	1923416	2892053	24.57%	1.809%
90	15.463	2269	2274	2279	rVB	3154077	4181811	35.53%	2.616%
91	15.521	2279	2284	2286	rBV	1056607	1364958	11.60%	0.854%
92	15.551	2286	2289	2296	rVB	1109686	1472904	12.51%	0.922%
93	16.662	2475	2478	2490	rVB7	230355	474892	4.03%	0.297%
94	16.810	2497	2503	2506	rBV2	265167	566740	4.82%	0.355%
95	17.015	2530	2538	2545	rVB2	1513431	3135439	26.64%	1.962%
96	17.086	2545	2550	2559	rVB4	146485	389965	3.31%	0.244%
97	17.180	2560	2566	2571	rBV	381330	743966	6.32%	0.465%
98	17.245	2571	2577	2581	rBV3	283647	484099	4.11%	0.303%
99	17.462	2606	2614	2623	rVB	1070822	2308654	19.62%	1.444%
100	17.692	2647	2653	2668	rVB2	364227	939159	7.98%	0.588%

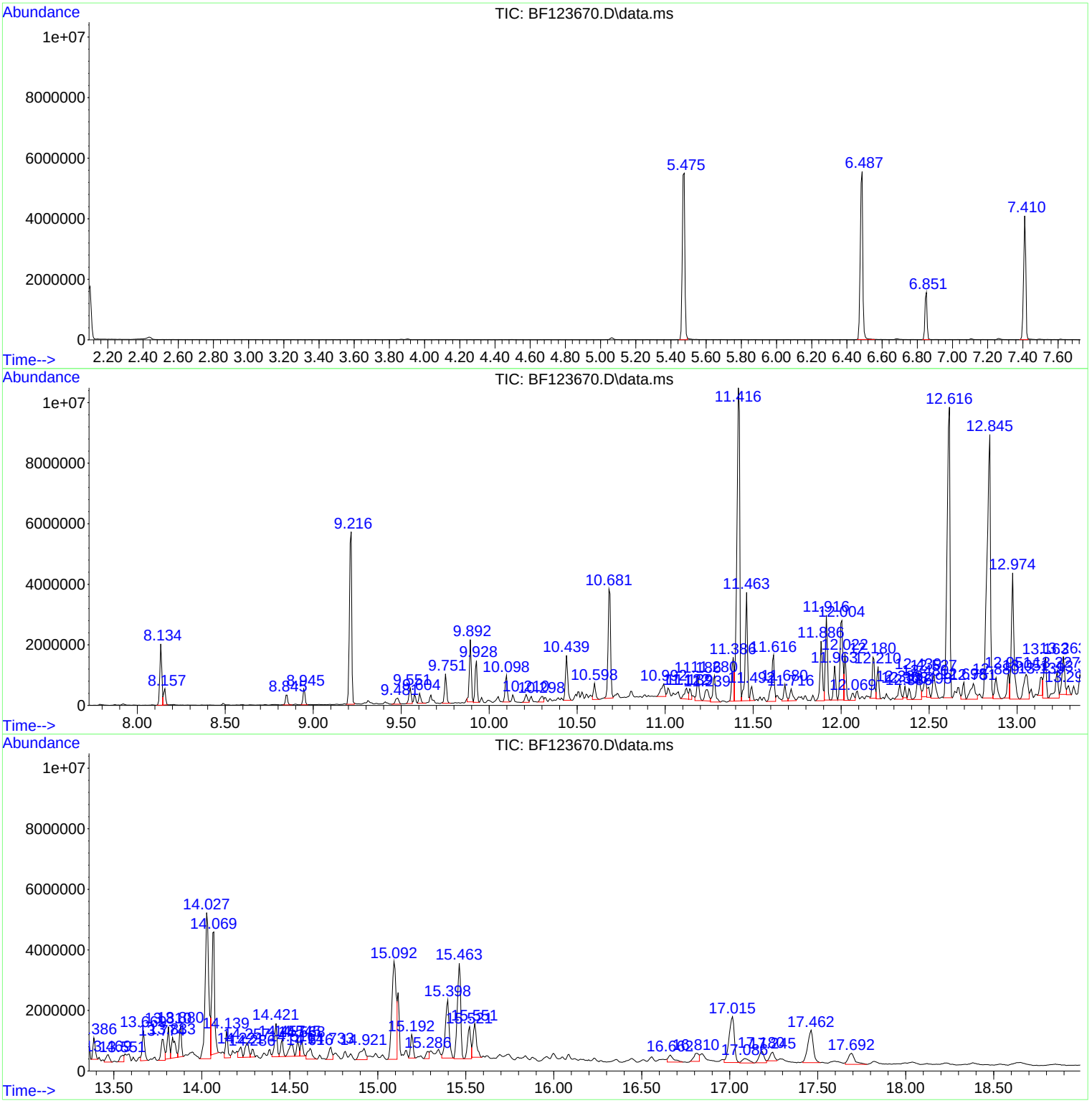
Sum of corrected areas: 159829242

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042121\
Data File : BF123670.D
Acq On : 21 Apr 2021 16:47
Operator : JU/CG
Sample : M2075-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-6-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042121\
Data File : BF123670.D
Acq On : 21 Apr 2021 16:47
Operator : JU/CG
Sample : M2075-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-6-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

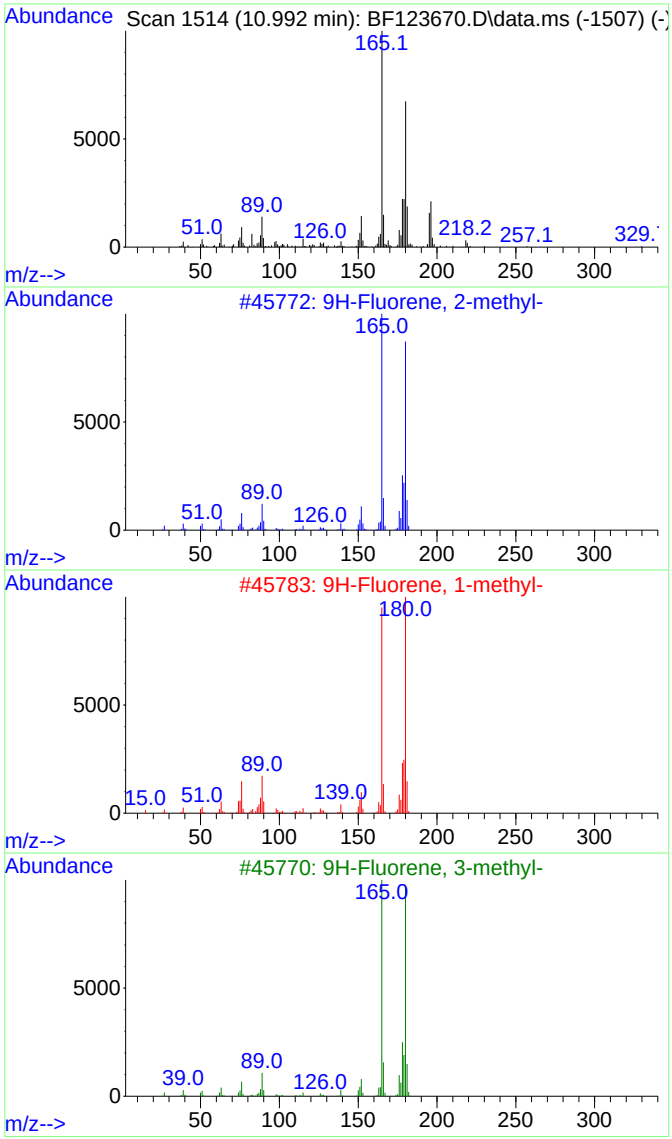
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

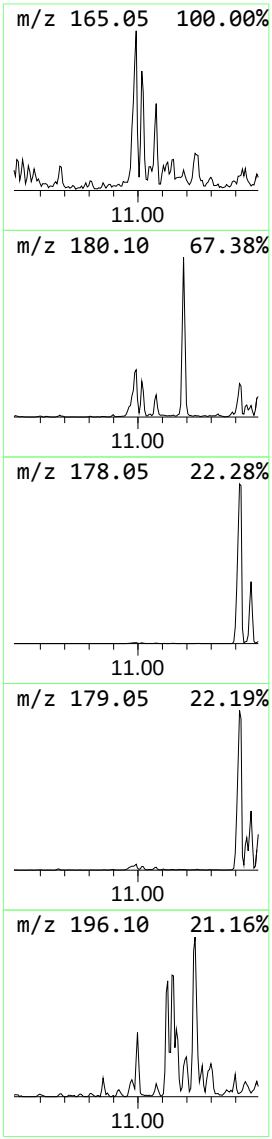
****

Peak Number 1 9H-Fluorene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.992	9.41 ng	647054	Phenanthrene-d10	11.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	89
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	86
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	76
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042121\
Data File : BF123670.D
Acq On : 21 Apr 2021 16:47
Operator : JU/CG
Sample : M2075-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-6-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

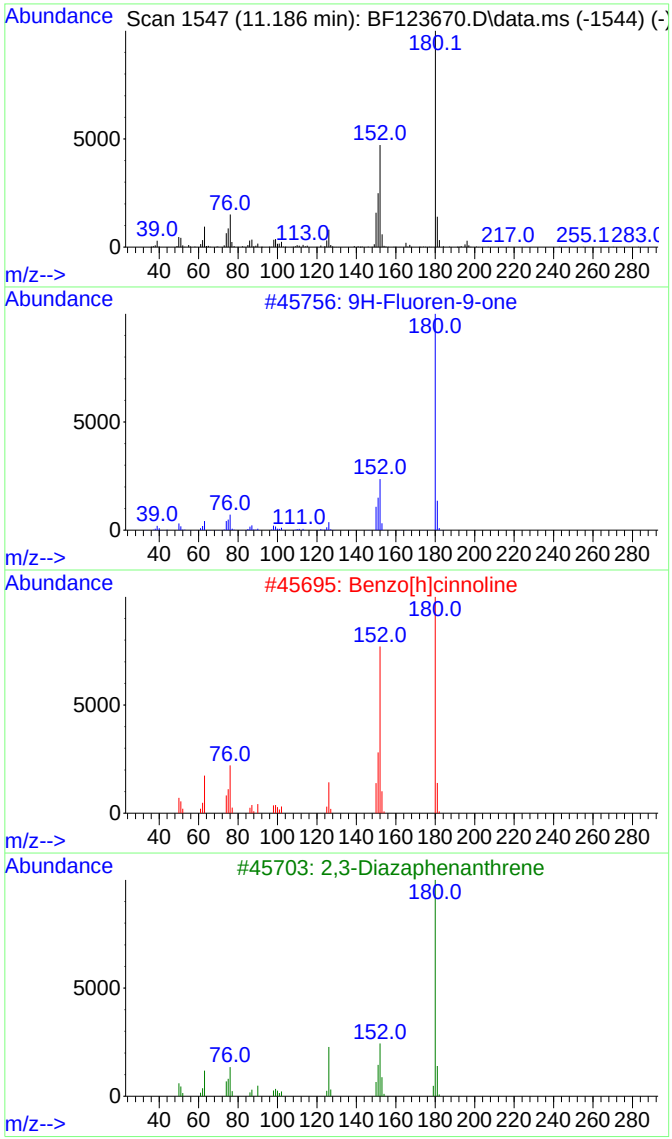
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

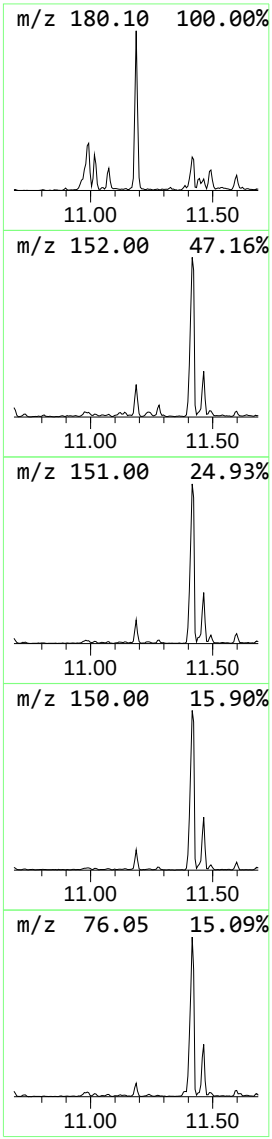
****

Peak Number 2 9H-Fluoren-9-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.186	10.47 ng	720056	Phenanthrene-d10	11.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	97
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91
3	2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	64
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	62
5	2,3-Dicyanoquinoxaline	180	C10H4N4	017132-92-2	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042121\
Data File : BF123670.D
Acq On : 21 Apr 2021 16:47
Operator : JU/CG
Sample : M2075-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-6-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

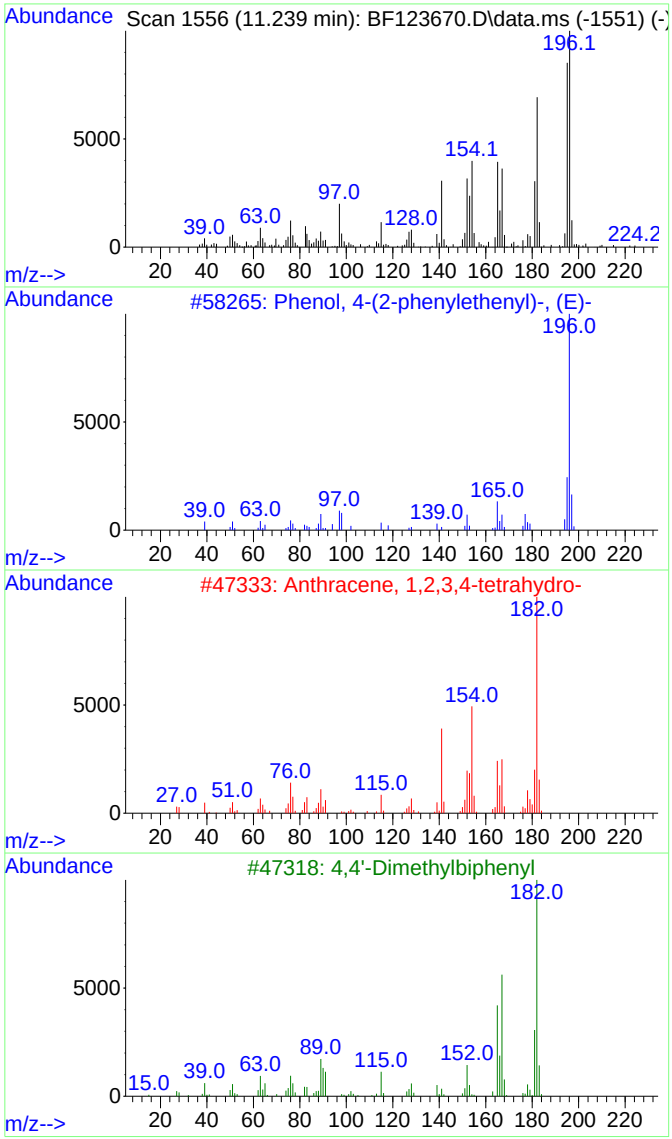
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

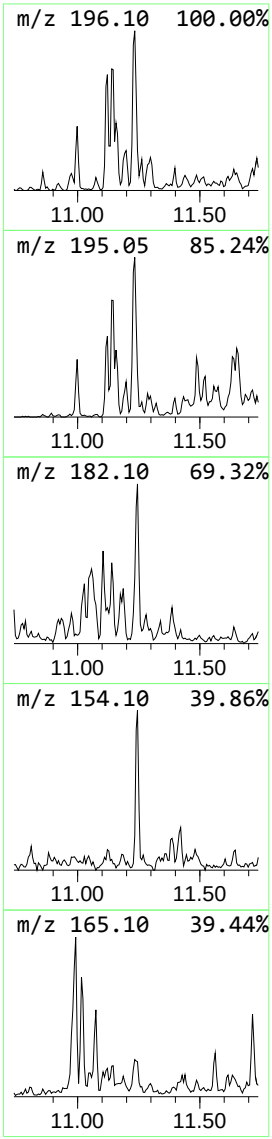
****

Peak Number 3 unknown11.23 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.239	8.57 ng	589615	Phenanthrene-d10	11.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	42
2	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	42
3	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	38
4	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	38
5	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042121\
Data File : BF123670.D
Acq On : 21 Apr 2021 16:47
Operator : JU/CG
Sample : M2075-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-6-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

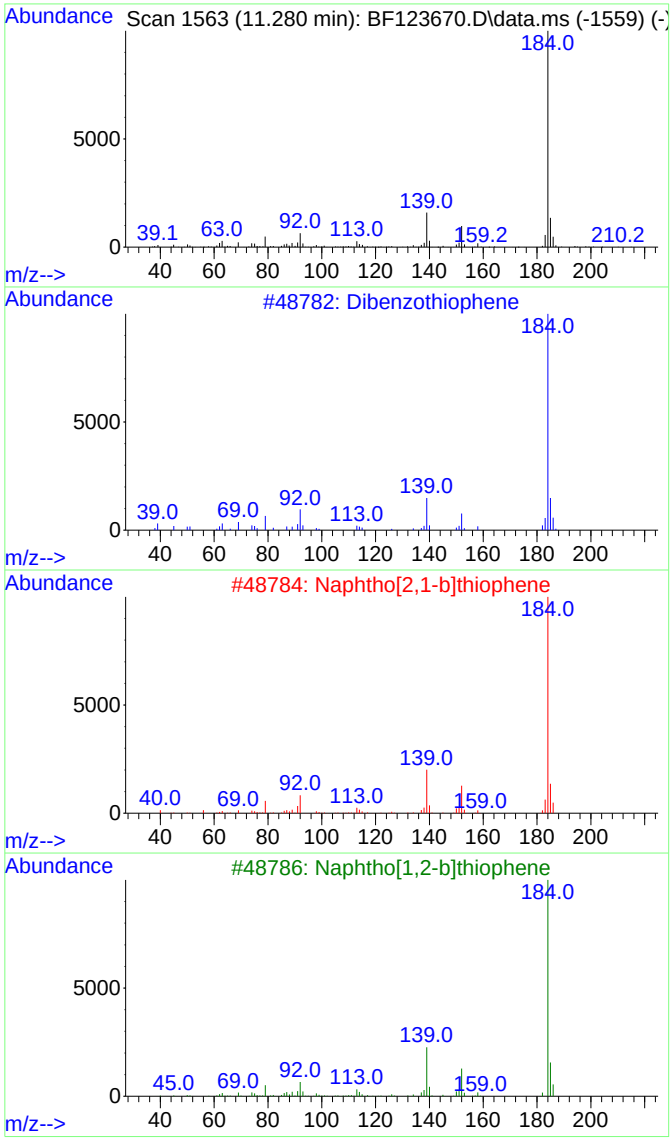
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

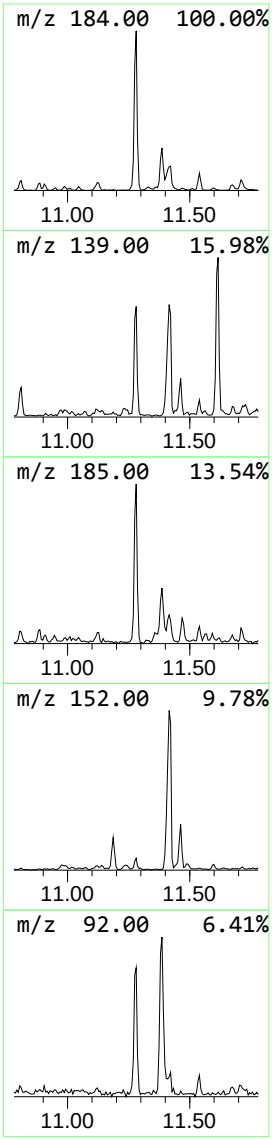
****

Peak Number 4 Dibenzothiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.281	13.27 ng	912721	Phenanthrene-d10	11.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042121\
Data File : BF123670.D
Acq On : 21 Apr 2021 16:47
Operator : JU/CG
Sample : M2075-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-6-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

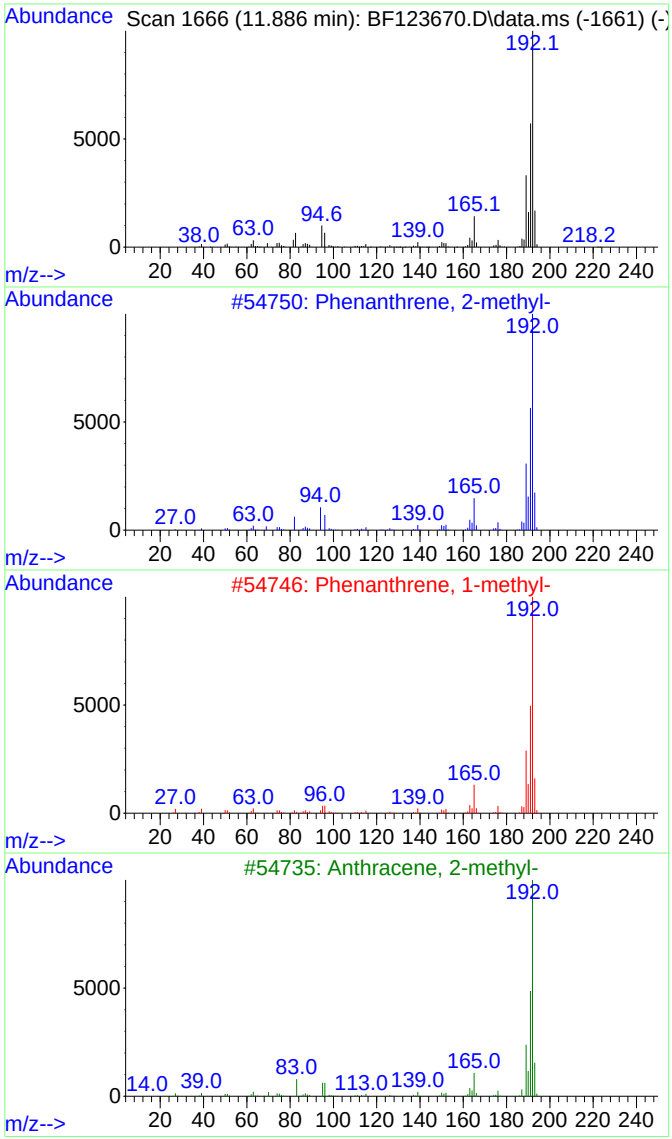
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

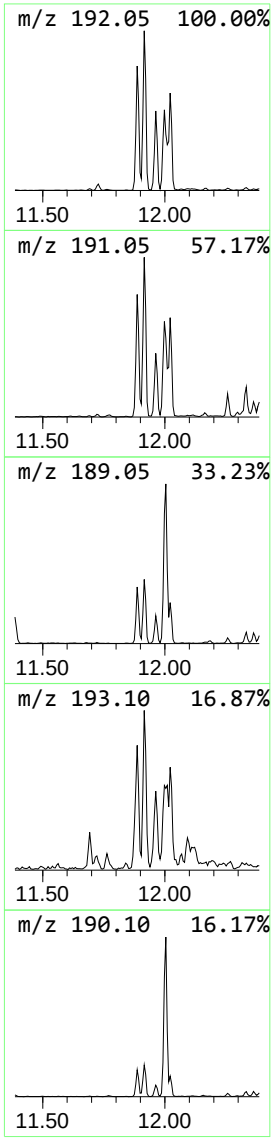
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.886	27.48 ng	1889950	Phenanthrene-d10	11.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042121\
Data File : BF123670.D
Acq On : 21 Apr 2021 16:47
Operator : JU/CG
Sample : M2075-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-6-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

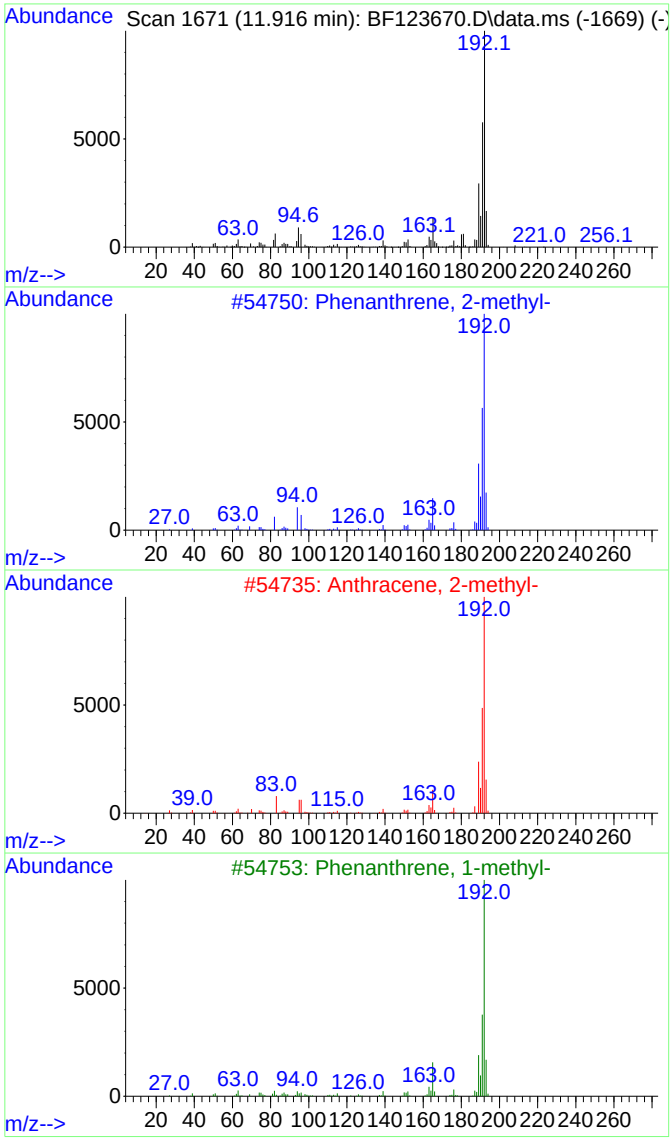
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

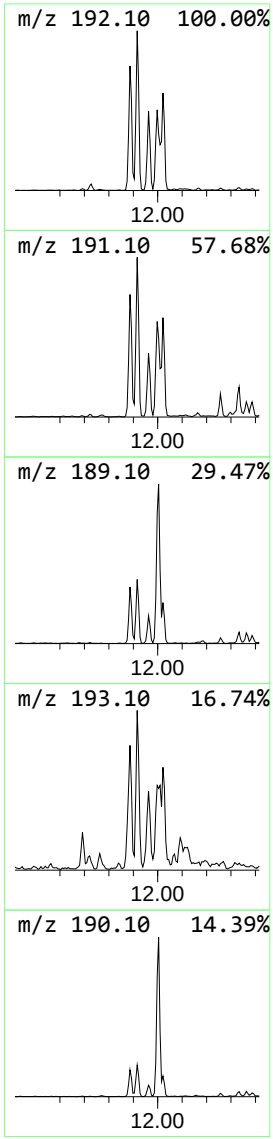
****

Peak Number 6 Anthracene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.916	31.71 ng	2181410	Phenanthrene-d10	11.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042121\
Data File : BF123670.D
Acq On : 21 Apr 2021 16:47
Operator : JU/CG
Sample : M2075-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-6-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

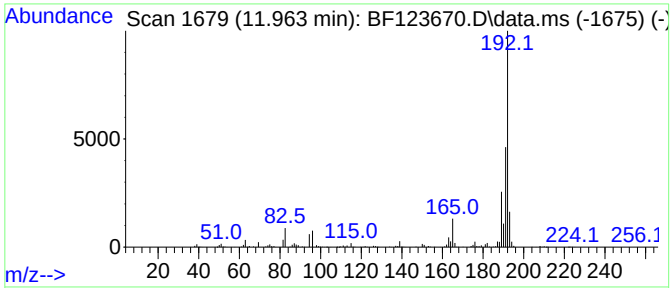
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

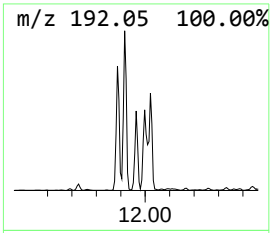
****

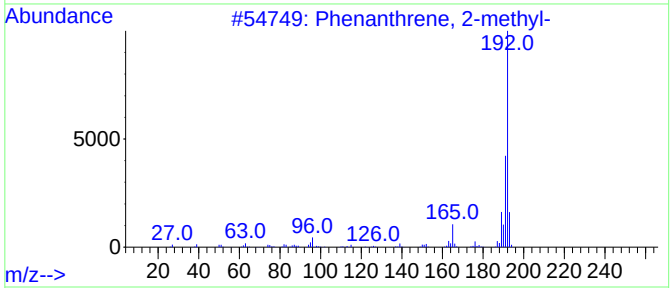
Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 8

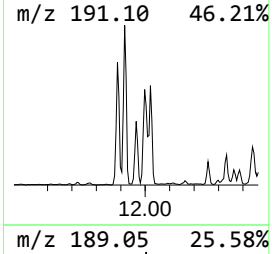
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.963	13.78 ng	948001	Phenanthrene-d10	11.386

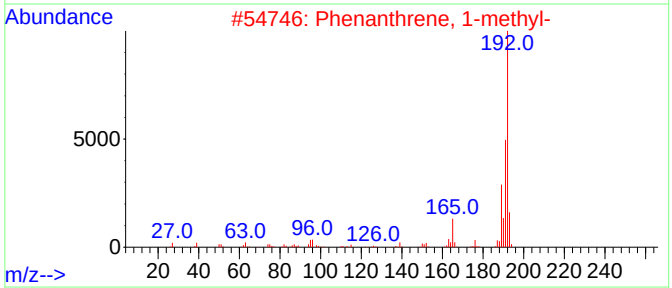
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94

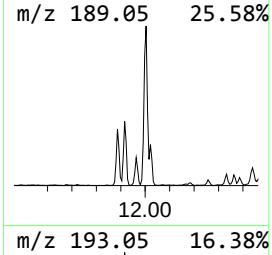


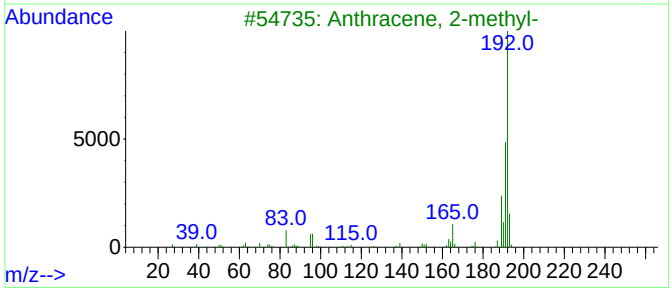


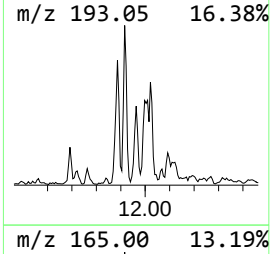


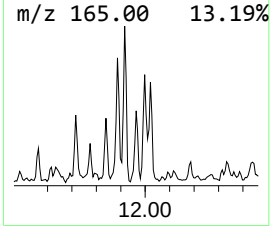












Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042121\
Data File : BF123670.D
Acq On : 21 Apr 2021 16:47
Operator : JU/CG
Sample : M2075-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-6-S

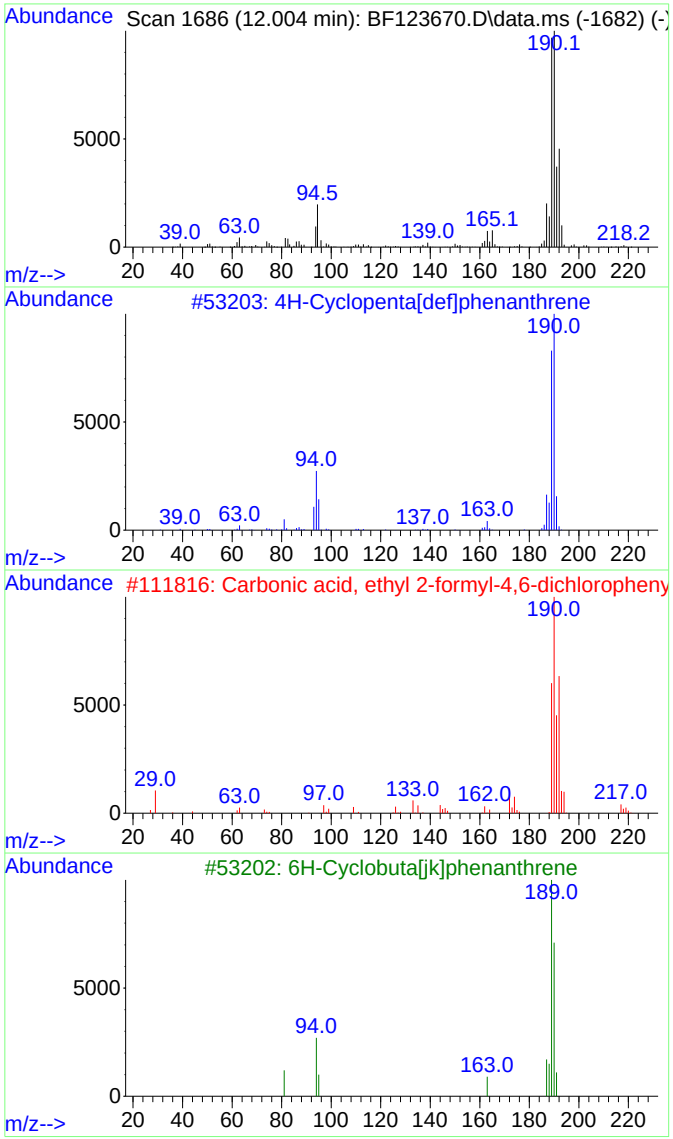
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

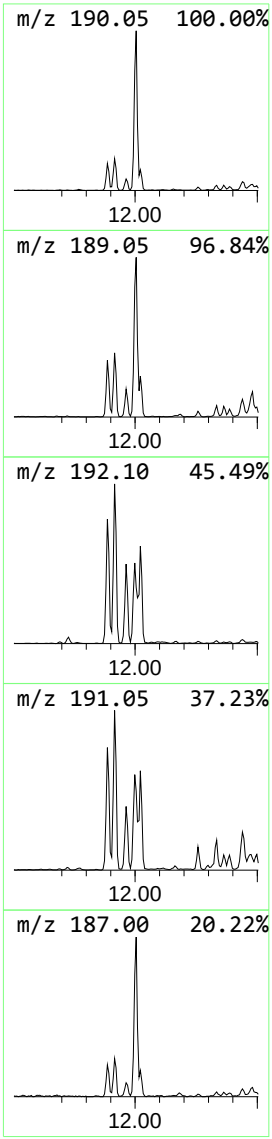
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.004	44.59 ng	3067050	Phenanthrene-d10	11.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	42
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40
5	4-Isothiazolecarbonitrile, 5-chl...	190	C5H3ClN2S2	054798-93-5	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042121\
Data File : BF123670.D
Acq On : 21 Apr 2021 16:47
Operator : JU/CG
Sample : M2075-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-6-S

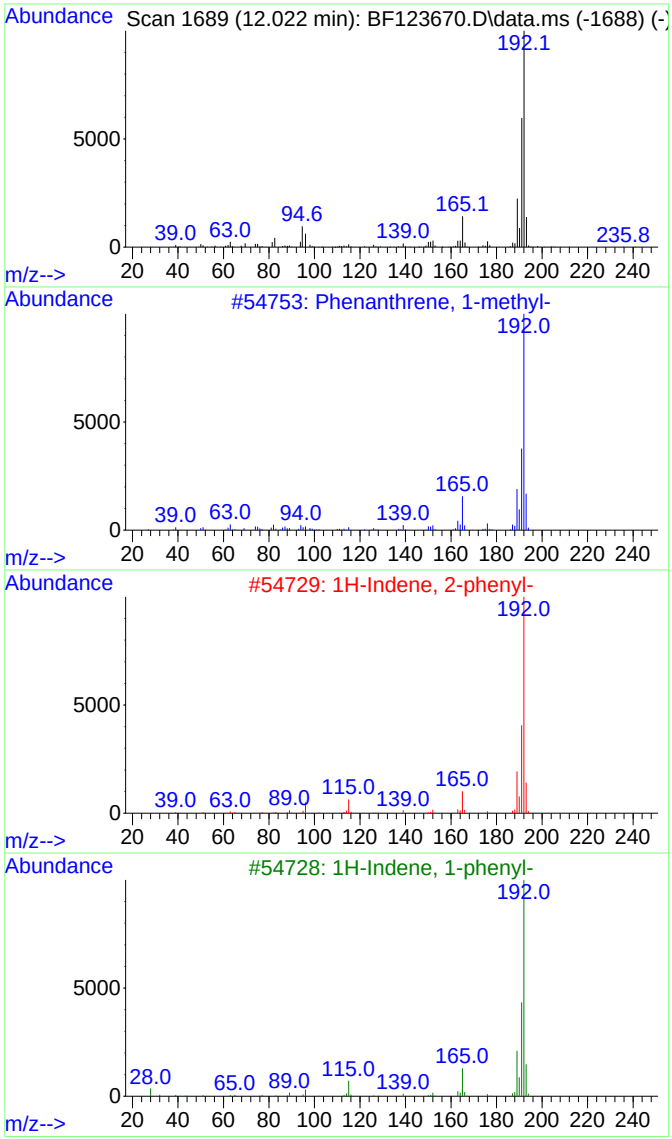
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

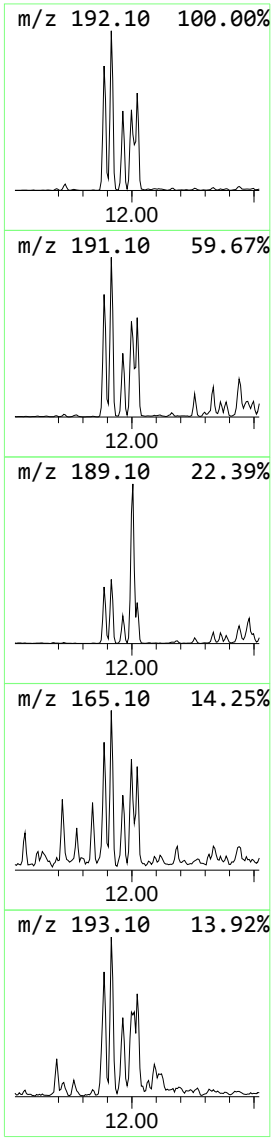
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 1H-Indene, 2-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.022	14.15 ng	973681	Phenanthrene-d10	11.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
3	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	90
4	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	90
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042121\
Data File : BF123670.D
Acq On : 21 Apr 2021 16:47
Operator : JU/CG
Sample : M2075-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-6-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

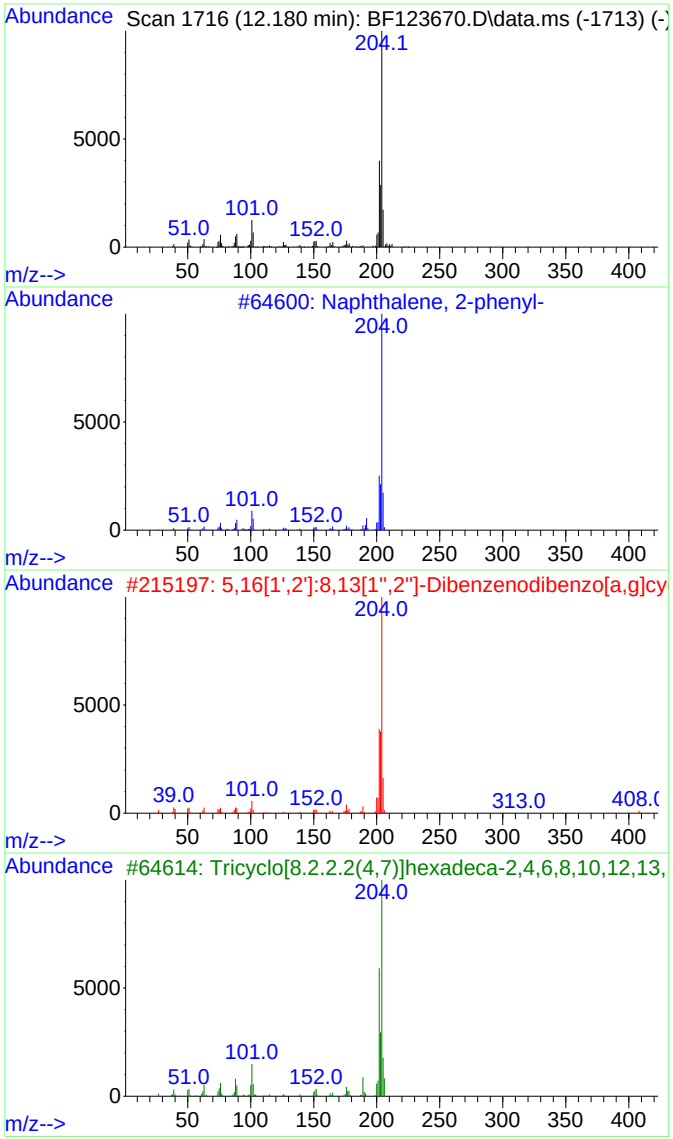
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

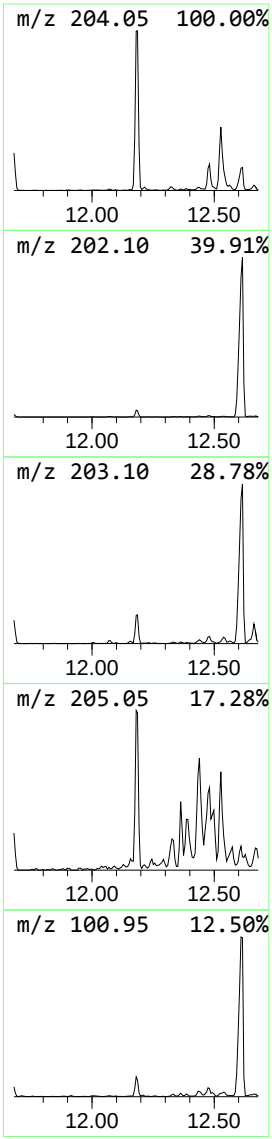
****

Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.180	19.05 ng	1310140	Phenanthrene-d10	11.386

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	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042121\
Data File : BF123670.D
Acq On : 21 Apr 2021 16:47
Operator : JU/CG
Sample : M2075-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-6-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

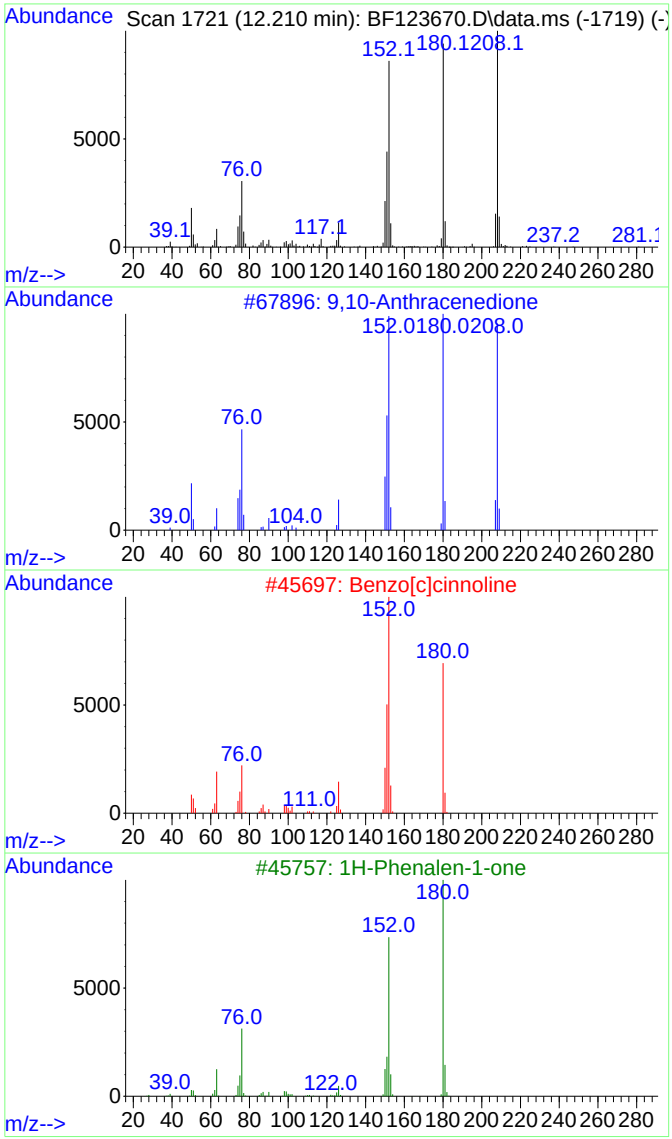
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

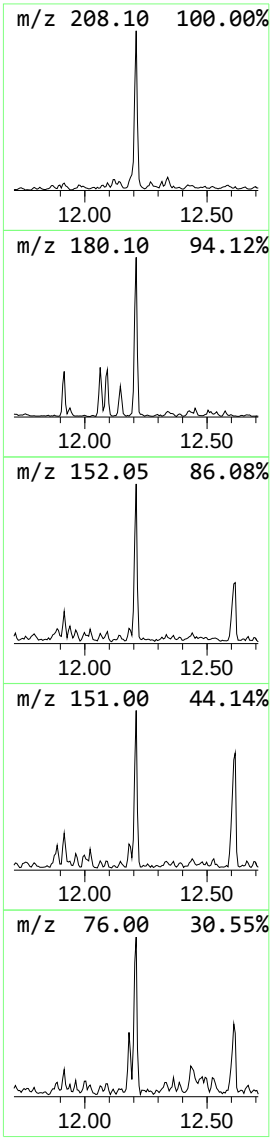
****

Peak Number 11 9,10-Anthracenedione Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.210	11.19 ng	769923	Phenanthrene-d10	11.386

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	70
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
4	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	58
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042121\
Data File : BF123670.D
Acq On : 21 Apr 2021 16:47
Operator : JU/CG
Sample : M2075-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-6-S

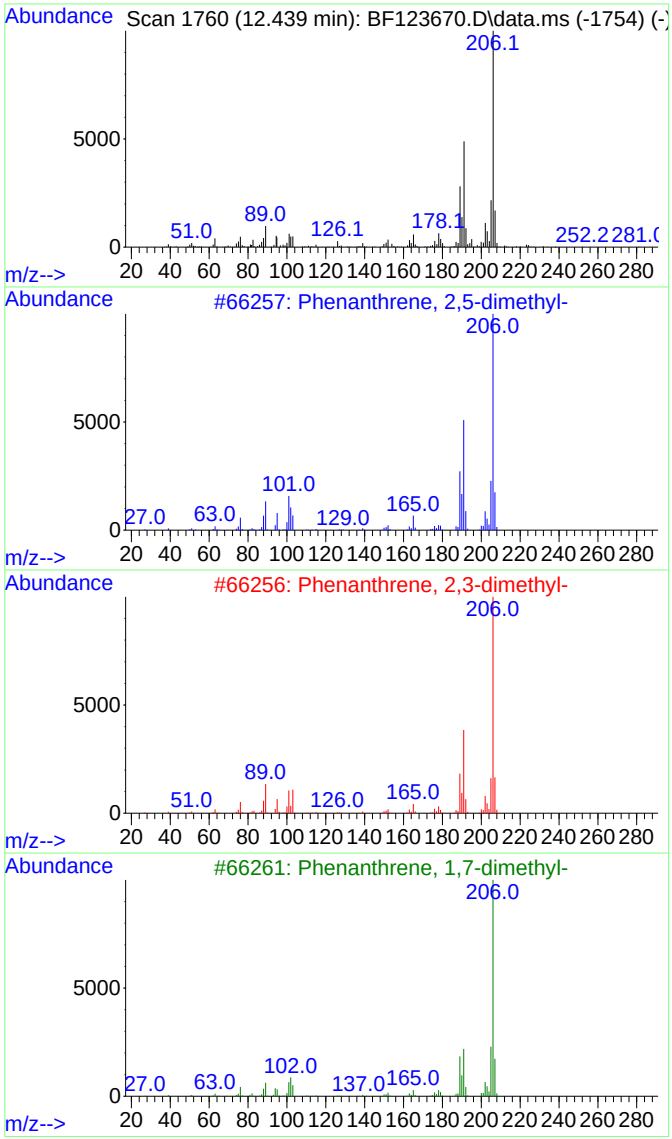
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

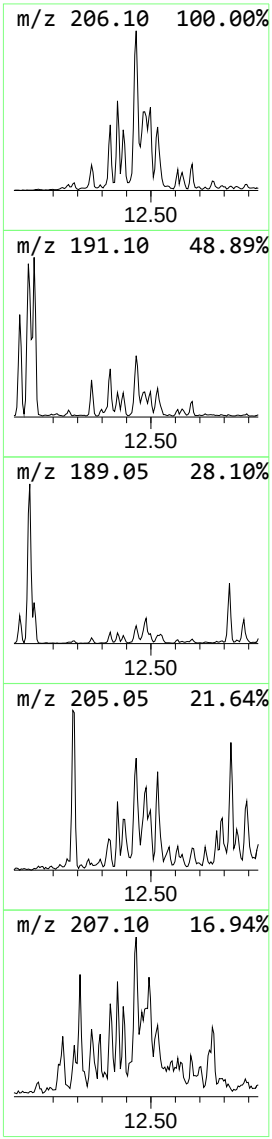
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.439	17.27 ng	1187770	Phenanthrene-d10	11.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	94
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	89
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042121\
Data File : BF123670.D
Acq On : 21 Apr 2021 16:47
Operator : JU/CG
Sample : M2075-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-6-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

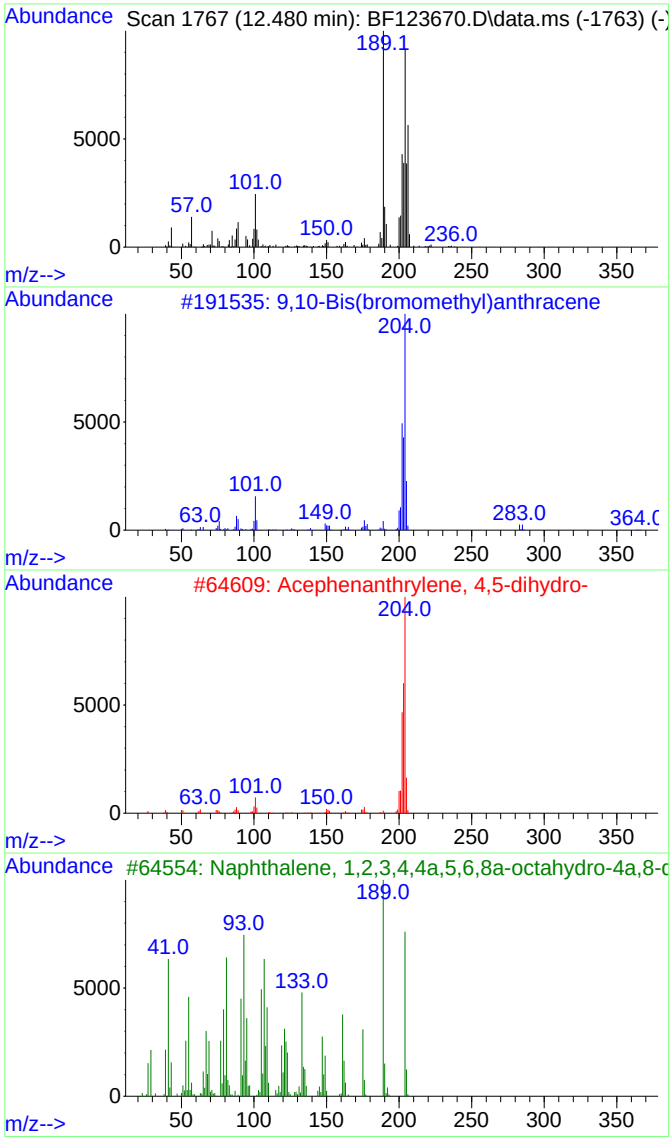
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

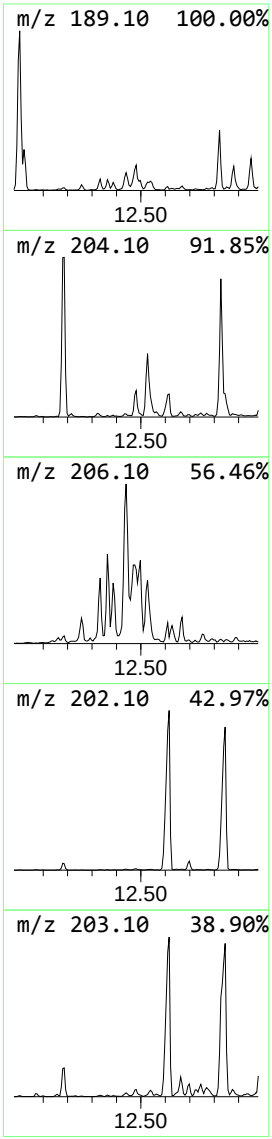
****

Peak Number 13 unknown12.48 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.480	9.90 ng	680845	Phenanthrene-d10	11.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	43
2	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	42
3	Naphthalene, 1,2,3,4,4a,5,6,8a-o...	204	C15H24	000473-13-2	35
4	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	35
5	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	32





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042121\
Data File : BF123670.D
Acq On : 21 Apr 2021 16:47
Operator : JU/CG
Sample : M2075-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-6-S

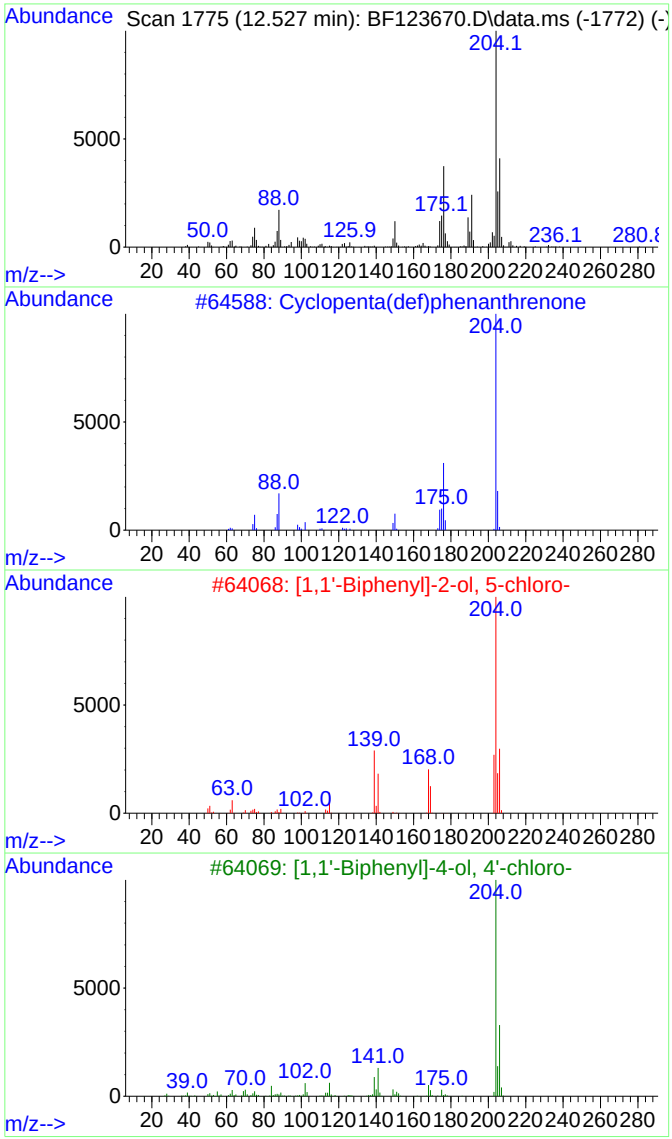
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

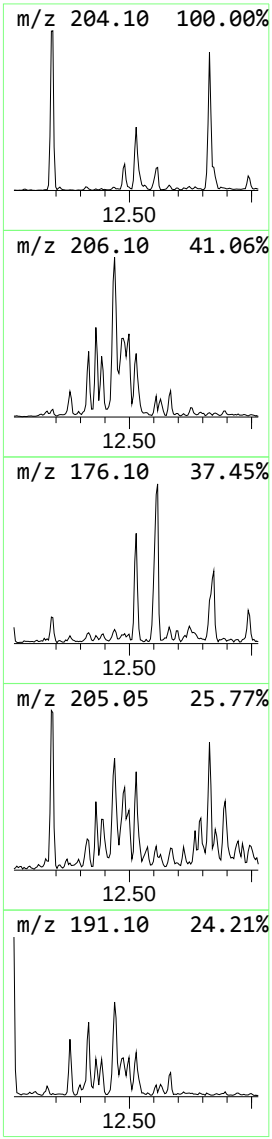
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.528	13.35 ng	918275	Phenanthrene-d10	11.386

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47
3	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	43
4	Pyrimido[5,4-b]benzofurane, 4-ch...	204	C10H5ClN2O	039876-88-5	43
5	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042121\
Data File : BF123670.D
Acq On : 21 Apr 2021 16:47
Operator : JU/CG
Sample : M2075-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-6-S

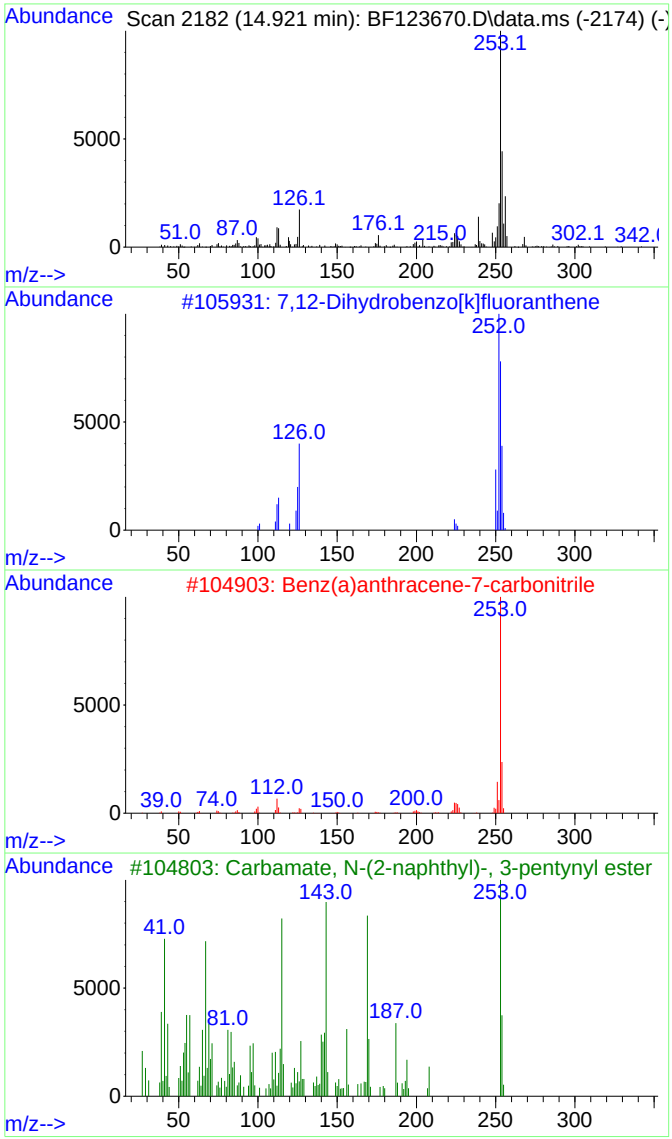
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

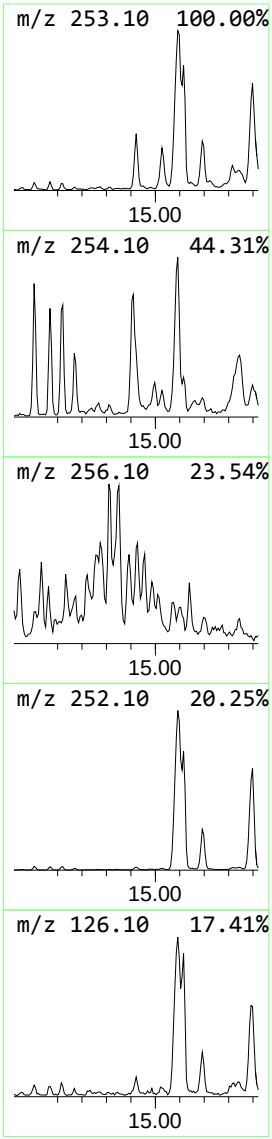
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 7,12-Dihydrobenzo[k]fluoran... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.921	12.09 ng	825240	Perylene-d12	15.521

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	62
2	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	55
3	Carbamate, N-(2-naphthyl)-, 3-pe...	253	C16H15NO2	1000197-96-0	46
4	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	43
5	10-Oxo-5,5-dimethyl-5-sila-5,10-...	254	C14H14N2OSi	089052-45-9	40





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042121\
Data File : BF123670.D
Acq On : 21 Apr 2021 16:47
Operator : JU/CG
Sample : M2075-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-6-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

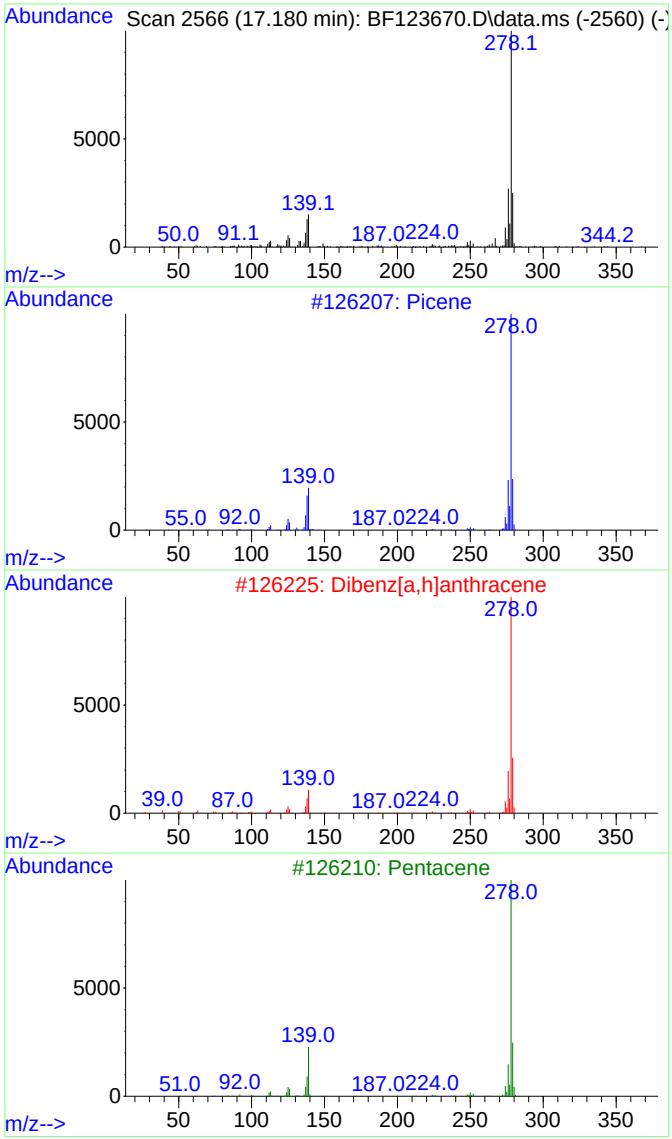
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

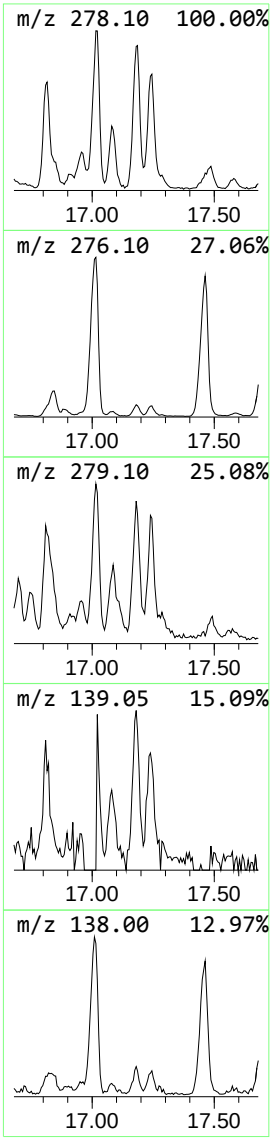
****

Peak Number 19 Picene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.180	10.90 ng	743966	Perylene-d12	15.521

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Picene	278	C22H14	000213-46-7	96
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	96
3	Pentacene	278	C22H14	000135-48-8	94
4	Benzo[b]triphenylene	278	C22H14	000215-58-7	93
5	Benzo[a]naphthacene	278	C22H14	000226-88-0	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042121\
Data File : BF123670.D
Acq On : 21 Apr 2021 16:47
Operator : JU/CG
Sample : M2075-19
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-6-S

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041521.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
9H-Fluorene, 2-...	10.992	9.4	ng	647054	4	11.386	1375750	20.0
9H-Fluoren-9-one	11.186	10.5	ng	720056	4	11.386	1375750	20.0
unknown11.23	11.239	8.6	ng	589615	4	11.386	1375750	20.0
Dibenzothiophene	11.281	13.3	ng	912721	4	11.386	1375750	20.0
Phenanthrene, 2...	11.886	27.5	ng	1889950	4	11.386	1375750	20.0
Anthracene, 2-m...	11.916	31.7	ng	2181410	4	11.386	1375750	20.0
Phenanthrene, 1...	11.963	13.8	ng	948001	4	11.386	1375750	20.0
4H-Cyclopenta[d...	12.004	44.6	ng	3067050	4	11.386	1375750	20.0
1H-Indene, 2-ph...	12.022	14.2	ng	973681	4	11.386	1375750	20.0
Naphthalene, 2-...	12.180	19.1	ng	1310140	4	11.386	1375750	20.0
9,10-Anthracene...	12.210	11.2	ng	769923	4	11.386	1375750	20.0
Phenanthrene, 2...	12.439	17.3	ng	1187770	4	11.386	1375750	20.0
unknown12.48	12.480	9.9	ng	680845	4	11.386	1375750	20.0
Cyclopenta(def)...	12.528	13.4	ng	918275	4	11.386	1375750	20.0
7,12-Dihydroben...	14.921	12.1	ng	825240	6	15.521	1364960	20.0
Picene	17.180	10.9	ng	743966	6	15.521	1364960	20.0