LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123020\
Data File : BF122883.D
Acq On : 30 Dec 2020 17:29
Operator : JU/CG
Sample : L5242-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAMPLE-2(484+26)

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-BF120520.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF122883.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.628	87	92	97	rBV	22322	31371	1.34%	0.096%
2	5.440	566	570	586	rBV	1978163	1965743	84.16%	5.993%
3	5.651	603	606	612	rBV	29002	28382	1.22%	0.087%
4	6.457	739	743	759	rBV	1921145	1910557	81.80%	5.825%
5	6.657	774	777	789	rBV4	11921	24015	1.03%	0.073%
6	6.816	801	804	813	rBV	718503	645664	27.64%	1.968%
7	7.081	846	849	861	rBV	36674	40992	1.76%	0.125%
8	7.381	896	900	913	rBV	1304439	1238008	53.00%	3.774%
9	8.104	1019	1023	1039	rBV	879596	808364	34.61%	2.465%
10	9.181	1201	1206	1217	rBV	2164303	2173778	93.07%	6.627%
11	9.292	1221	1225	1230	rVB	60074	64465	2.76%	0.197%
12	9.575	1269	1273	1280	rBV	116451	115527	4.95%	0.352%
13	9.722	1294	1298	1305	rVB	92226	86342	3.70%	0.263%
14	9.857	1317	1321	1325	rBV	1000912	878792	37.62%	2.679%
15	9.886	1325	1326	1332	rVB	45644	40153	1.72%	0.122%
16	10.410	1411	1415	1418	rBV	25314	25511	1.09%	0.078%
17	10.651	1452	1456	1471	rBV	1330786	1421538	60.86%	4.334%
18	10.775	1475	1477	1485	rVB3	28220	36989	1.58%	0.113%
19	11.345	1570	1574	1577	rBV	1000359	867852	37.16%	2.646%
20	11.369	1577	1578	1582	rVV	156972	103391	4.43%	0.315%
21	11.422	1584	1587	1590	rVV	200277	175982	7.53%	0.537%
22	11.457	1590	1593	1599	rVB2	25411	31388	1.34%	0.096%
23	11.580	1608	1614	1621	rBV2	88315	125023	5.35%	0.381%
24	11.845	1655	1659	1661	rBV2	28455	31956	1.37%	0.097%
25	11.875	1661	1664	1668	rVV2	85551	97821	4.19%	0.298%
26	11.963	1675	1679	1687	rVB2	86195	126619	5.42%	0.386%
27	12.027	1687	1690	1691	rBV2	28364	25388	1.09%	0.077%
28	12.080	1697	1699	1705	rBV5	23216	42059	1.80%	0.128%
29	12.139	1707	1709	1712	rVB	30058	28061	1.20%	0.086%
30	12.175	1712	1715	1718	rBV	81027	78178	3.35%	0.238%
31	12.292	1729	1735	1738	rBV5	29438	46241	1.98%	0.141%
32	12.398	1749	1753	1755	rBV	38288	41199	1.76%	0.126%
33	12.433	1755	1759	1761	rVV3	30297	40631	1.74%	0.124%
34	12.486	1764	1768	1773	rBV	101337	101156	4.33%	0.308%
35	12.563	1777	1781	1784	rBV	1304169	1179290	50.49%	3.595%
36	12.622	1789	1791	1794	rVB	43532	35380	1.51%	0.108%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123020\
Data File : BF122883.D
Acq On : 30 Dec 2020 17:29
Operator : JU/CG
Sample : L5242-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAMPLE-2(484+26)

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-BF120520.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.657	1794	1797	1800	rBV	72866	62255	2.67%	0.190%
38	12.704	1801	1805	1809	rBV3	53138	74424	3.19%	0.227%
39	12.792	1814	1820	1825	rVV	1336723	1409377	60.34%	4.297%
40	12.839	1825	1828	1832	rVB2	51696	64809	2.77%	0.198%
41	12.933	1837	1844	1846	rBV	2294771	2335670	100.00%	7.121%
42	13.010	1853	1857	1860	rBV3	99056	140547	6.02%	0.428%
43	13.092	1868	1871	1873	rBV3	122660	152205	6.52%	0.464%
44	13.116	1873	1875	1878	rVB	160760	153666	6.58%	0.468%
45	13.151	1878	1881	1884	rBV2	77945	84487	3.62%	0.258%
46	13.186	1884	1887	1889	rBV	111553	104781	4.49%	0.319%
47	13.222	1889	1893	1896	rBV3	152902	189680	8.12%	0.578%
48	13.316	1906	1909	1911	rBV	81908	67832	2.90%	0.207%
49	13.345	1911	1914	1918	rVV3	71613	74464	3.19%	0.227%
50	13.404	1921	1924	1927	rVV3	51415	46322	1.98%	0.141%
51	13.433	1927	1929	1932	rVB4	32702	27394	1.17%	0.084%
52	13.498	1937	1940	1942	rBV3	31941	40399	1.73%	0.123%
53	13.604	1955	1958	1959	rBV2	48658	48506	2.08%	0.148%
54	13.627	1959	1962	1970	rVB	207938	224972	9.63%	0.686%
55	13.739	1978	1981	1983	rBV	200623	182777	7.83%	0.557%
56	13.763	1983	1985	1987	rVV	171880	157000	6.72%	0.479%
57	13.792	1987	1990	1995	rVV2	259174	335133	14.35%	1.022%
58	13.839	1995	1998	2001	rVV	279956	338517	14.49%	1.032%
59	13.869	2001	2003	2006	rVB	226828	201455	8.63%	0.614%
60	13.963	2015	2019	2020	rBV	191283	207700	8.89%	0.633%
61	13.992	2020	2024	2026	rVV2	1198324	1757220	75.23%	5.357%
62	14.016	2026	2028	2036	rVV	955058	933602	39.97%	2.846%
63	14.098	2036	2042	2043	rVV2	194604	213126	9.12%	0.650%
64	14.116	2043	2045	2048	rVV3	154687	163593	7.00%	0.499%
65	14.157	2049	2052	2055	rVV4	113124	155194	6.64%	0.473%
66	14.204	2058	2060	2065	rVV2	114659	158141	6.77%	0.482%
67	14.251	2066	2068	2071	rVB2	59014	48246	2.07%	0.147%
68	14.339	2080	2083	2085	rBV3	75774	83861	3.59%	0.256%
69	14.374	2085	2089	2092	rVV	144454	191035	8.18%	0.582%
70	14.421	2093	2097	2100	rVV2	137049	190923	8.17%	0.582%
71	14.457	2100	2103	2105	rVV2	78561	99443	4.26%	0.303%
72	14.498	2108	2110	2112	rVV	164915	160885	6.89%	0.491%
73	14.521	2112	2114	2117	rVB	96963	84195	3.60%	0.257%
74	14.610	2126	2129	2134	rVB	244945	220512	9.44%	0.672%
75	14.692	2140	2143	2146	rBV	105025	111850	4.79%	0.341%
76	14.739	2147	2151	2156	rVV	334757	342529	14.67%	1.044%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123020\
Data File : BF122883.D
Acq On : 30 Dec 2020 17:29
Operator : JU/CG
Sample : L5242-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAMPLE-2(484+26)

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-BF120520.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.810	2161	2163	2170	rVV3	53167	80770	3.46%	0.246%
78	14.868	2170	2173	2180	rVB4	103988	163799	7.01%	0.499%
79	15.033	2196	2201	2204	rBV	1173800	1779368	76.18%	5.425%
80	15.139	2216	2219	2222	rVB	195670	201958	8.65%	0.616%
81	15.221	2231	2233	2238	rBV3	58256	76641	3.28%	0.234%
82	15.333	2247	2252	2258	rVB	608318	821032	35.15%	2.503%
83	15.392	2258	2262	2267	rVV	536319	673486	28.83%	2.053%
84	15.457	2267	2273	2276	rVV	831424	1083958	46.41%	3.305%
85	15.486	2276	2278	2285	rVB2	232793	289361	12.39%	0.882%
86	15.886	2343	2346	2351	rVB2	63327	96755	4.14%	0.295%
87	16.915	2514	2521	2523	rBV2	341137	692036	29.63%	2.110%
88	17.351	2589	2595	2605	rBV	230579	488133	20.90%	1.488%

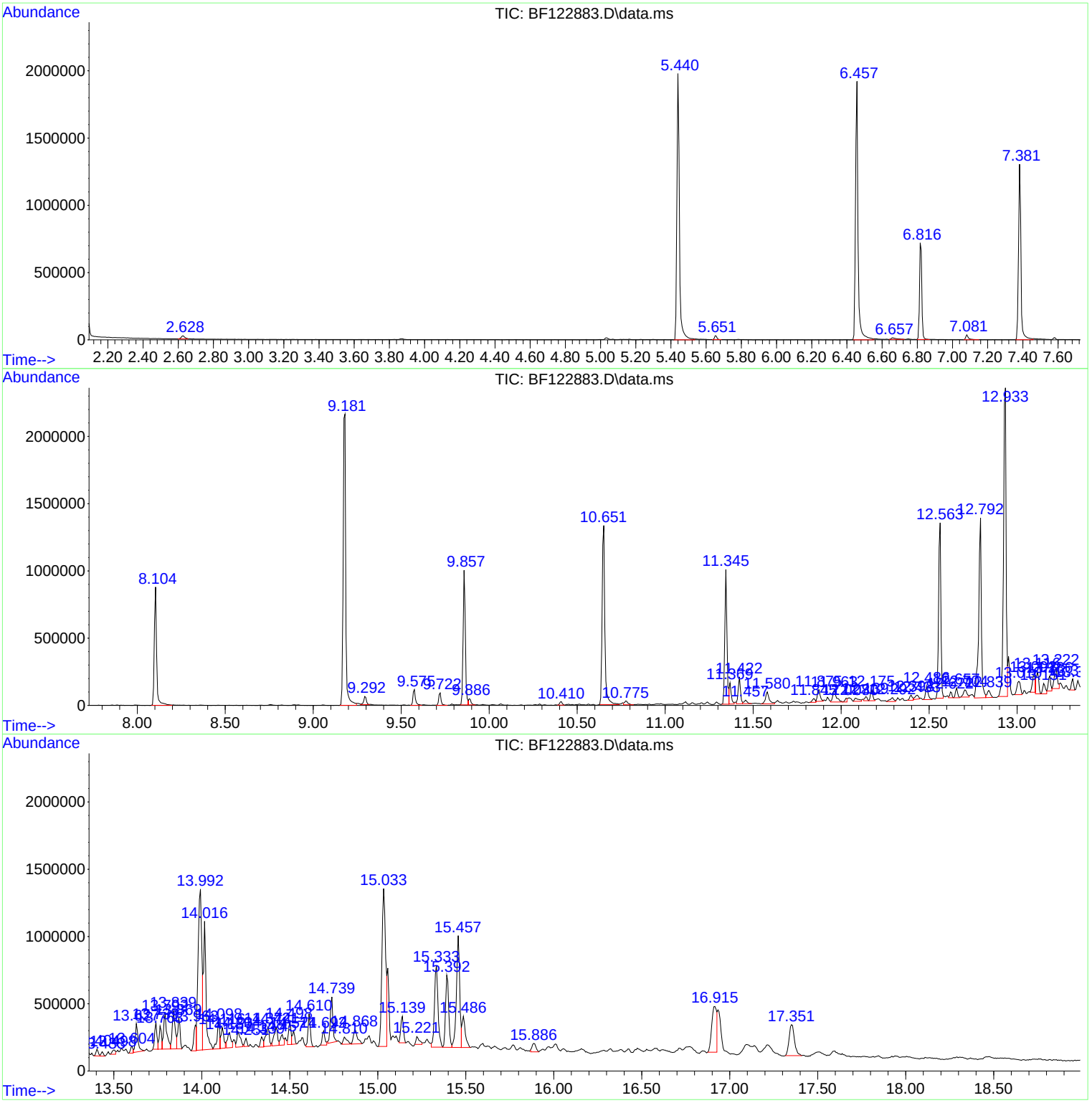
Sum of corrected areas: 32799830

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123020\
Data File : BF122883.D
Acq On : 30 Dec 2020 17:29
Operator : JU/CG
Sample : L5242-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-2(484+26)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.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\BF123020\
Data File : BF122883.D
Acq On : 30 Dec 2020 17:29
Operator : JU/CG
Sample : L5242-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-2(484+26)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

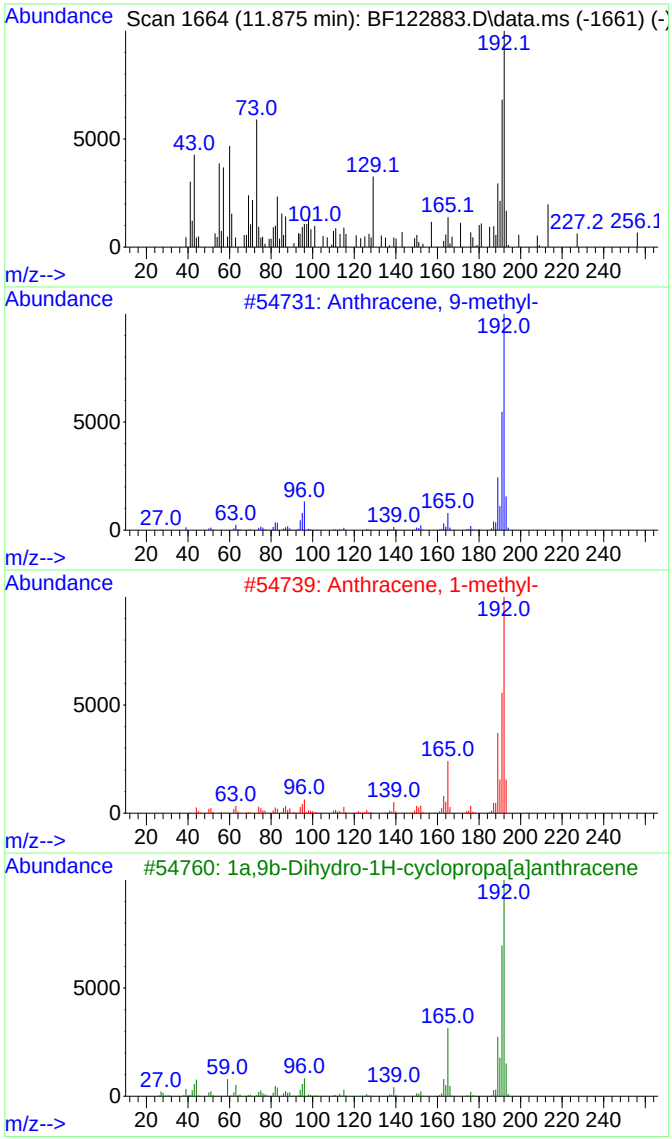
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

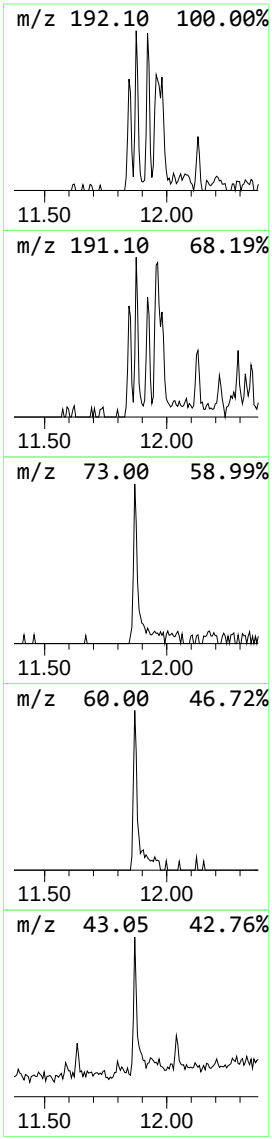
****

Peak Number 1 Anthracene, 9-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.874	2.25 ng	97821	Phenanthrene-d10	11.345

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	55
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	50
3	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	50
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	49
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123020\
Data File : BF122883.D
Acq On : 30 Dec 2020 17:29
Operator : JU/CG
Sample : L5242-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-2(484+26)

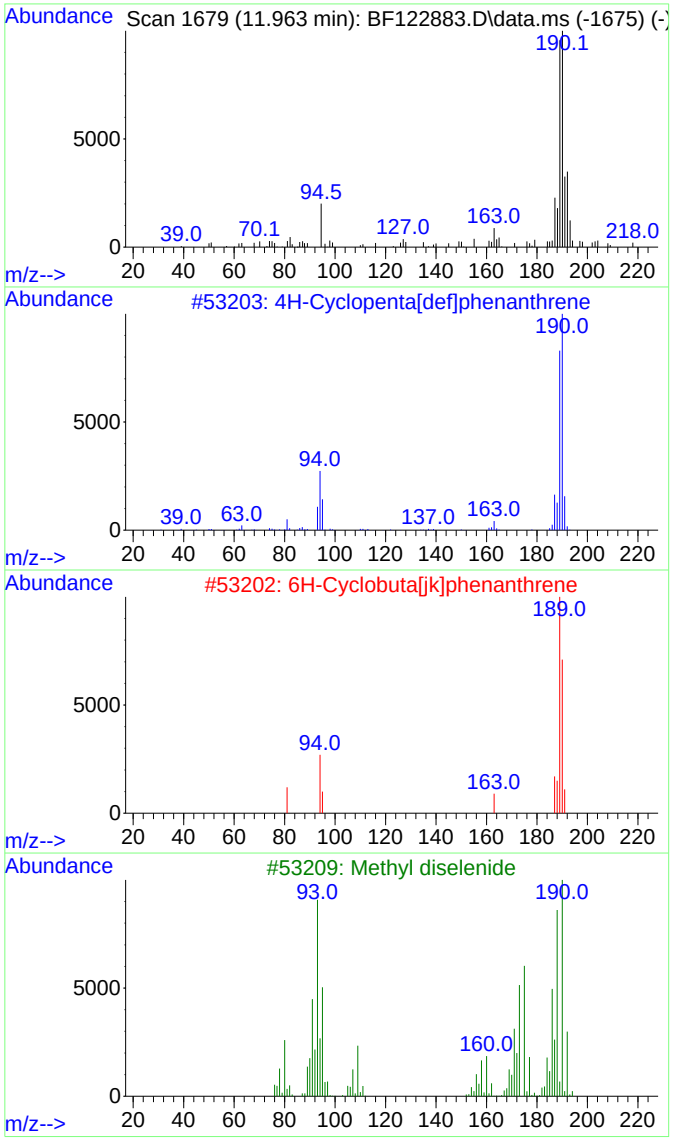
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

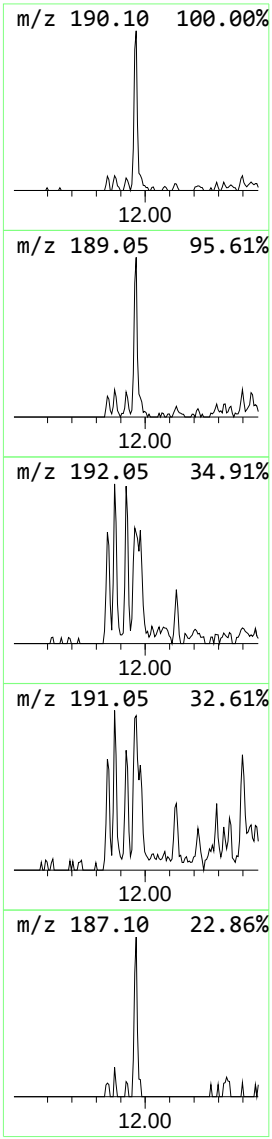
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.963	2.92 ng	126619	Phenanthrene-d10	11.345

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	72
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	Methyl diselenide	190	C2H6Se2	007101-31-7	46
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40
5	Carbonic acid, butyl 2-formyl-4,...	290	C12H12Cl2O4	1000331-42-2	23





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123020\
Data File : BF122883.D
Acq On : 30 Dec 2020 17:29
Operator : JU/CG
Sample : L5242-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-2(484+26)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

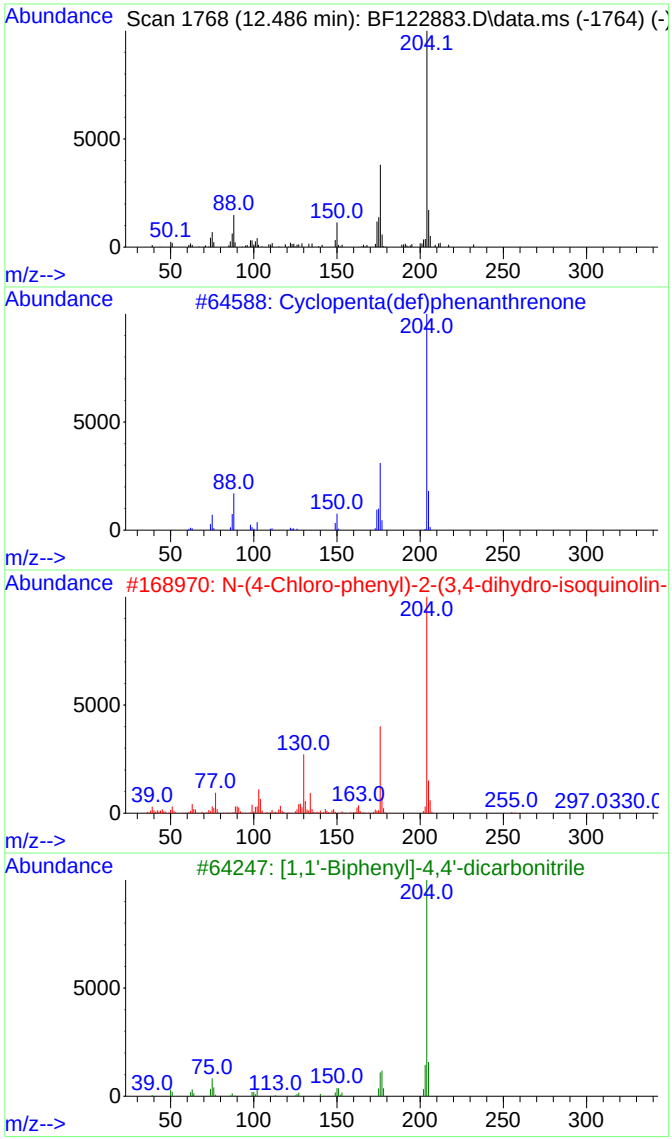
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

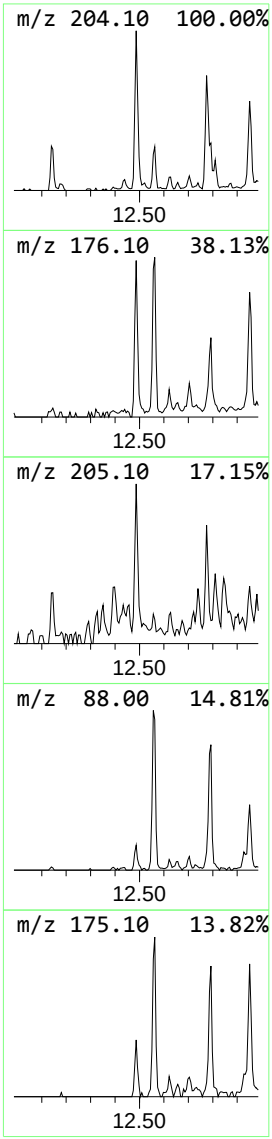
****

Peak Number 3 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.486	2.33 ng	101156	Phenanthrene-d10	11.345

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	59
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47
4	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	43
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123020\
Data File : BF122883.D
Acq On : 30 Dec 2020 17:29
Operator : JU/CG
Sample : L5242-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-2(484+26)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

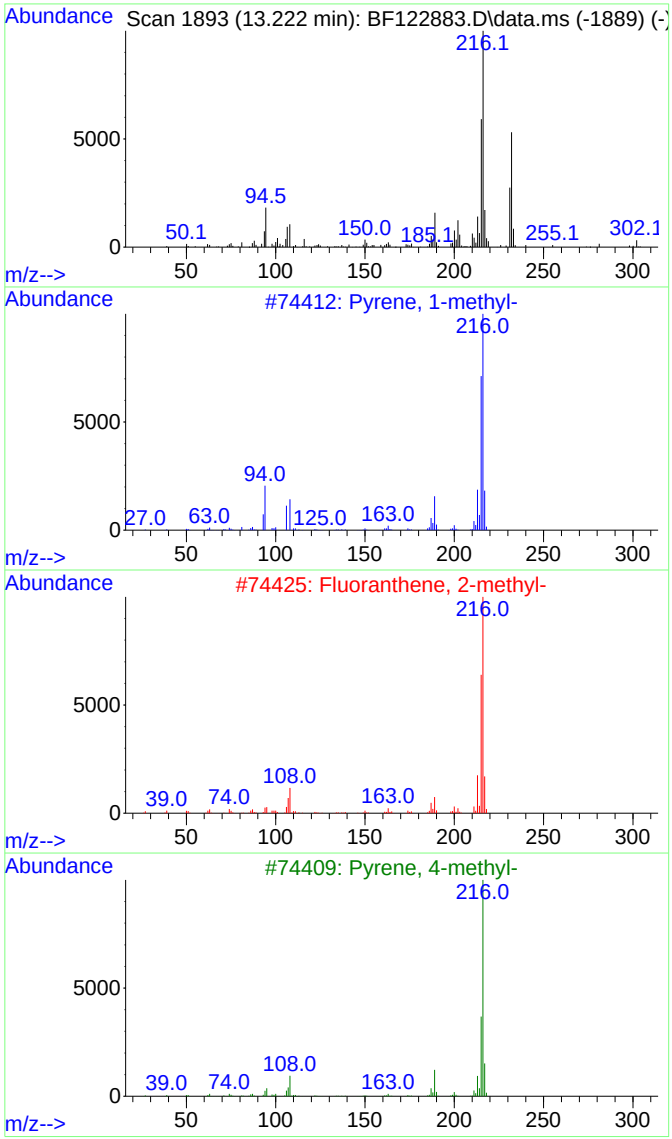
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

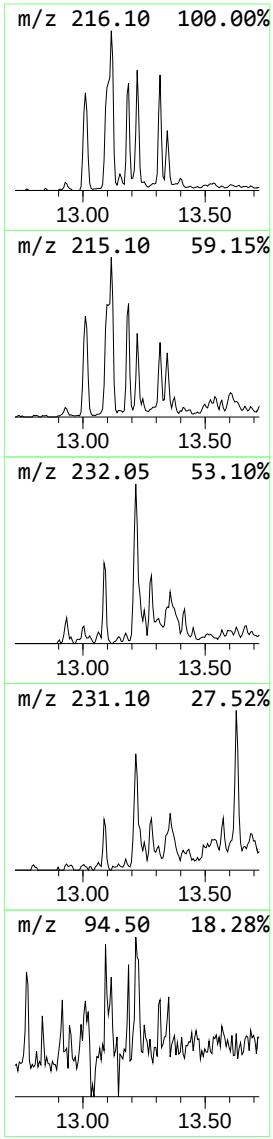
****

Peak Number 4 Pyrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.222	2.16 ng	189680	Chrysene-d12	13.992

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	90
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	86
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	60





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123020\
Data File : BF122883.D
Acq On : 30 Dec 2020 17:29
Operator : JU/CG
Sample : L5242-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-2(484+26)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

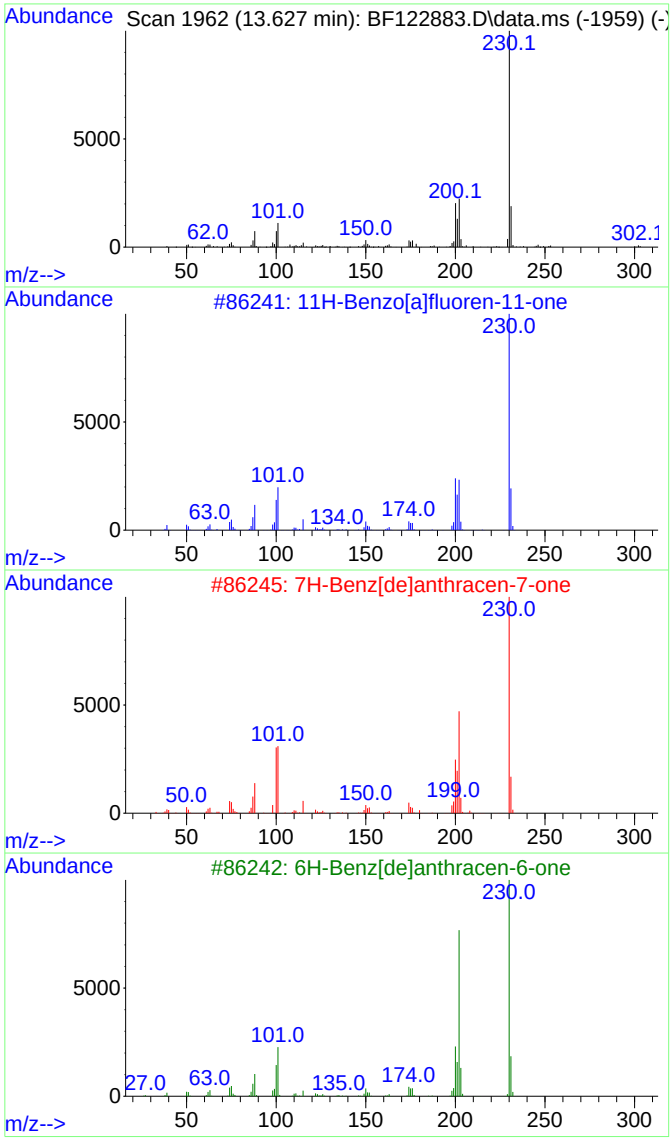
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

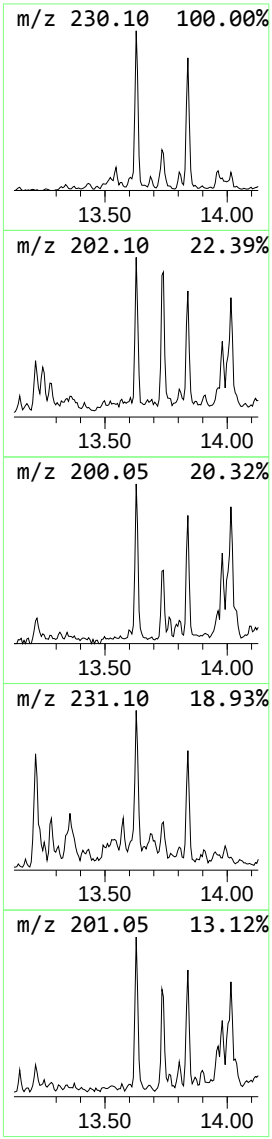
****

Peak Number 5 6H-Benz[de]anthracen-6-one Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.627	2.56 ng	224972	Chrysene-d12	13.992

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	94
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	64
4	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	53
5	2-Chloro-9-xanthenone	230	C13H7ClO2	013210-15-6	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123020\
Data File : BF122883.D
Acq On : 30 Dec 2020 17:29
Operator : JU/CG
Sample : L5242-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-2(484+26)

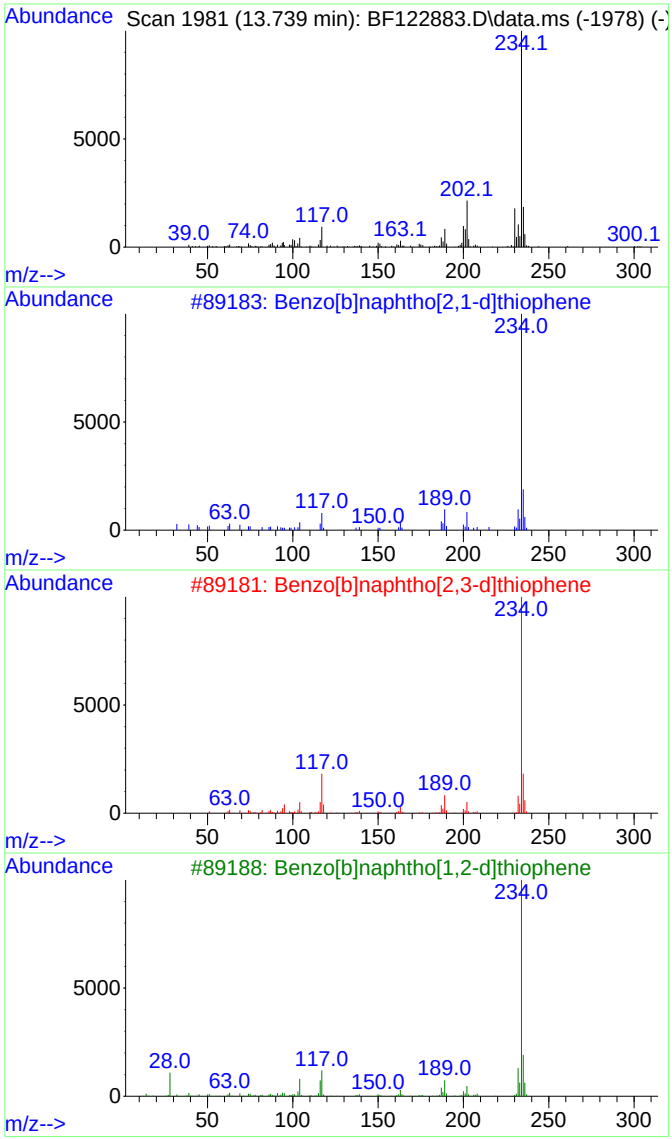
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

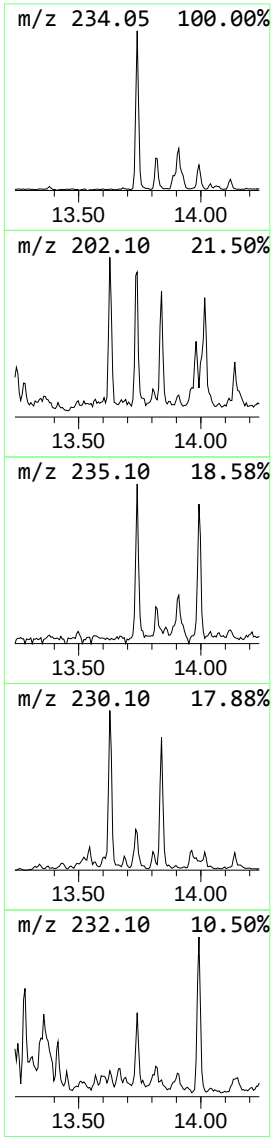
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.739	2.08 ng	182777	Chrysene-d12	13.992

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	76
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	70
3	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	62
4	Quinoxalino[2,3-b]quinoxaline, 5...	234	C14H10N4	000531-46-4	53
5	4-Pyridinamine, N-(1-naphthaleny...	234	C16H14N2	1000317-32-0	47





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Data File : BF122883.D
Acq On : 30 Dec 2020 17:29
Operator : JU/CG
Sample : L5242-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAMPLE-2(484+26)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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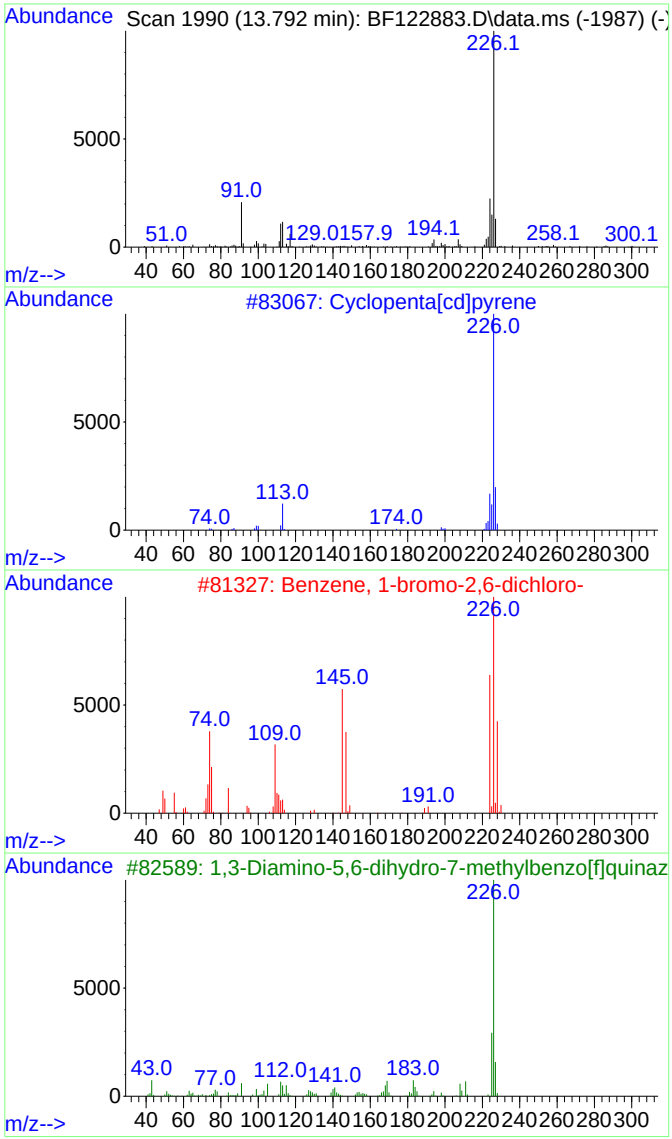
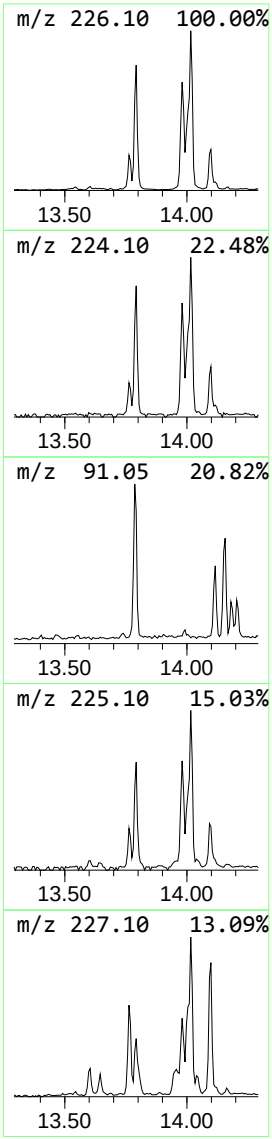
Peak Number 7 Cyclopenta[cd]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.792	3.81 ng	335133	Chrysene-d12	13.992

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	70
2	Benzene, 1-bromo-2,6-dichloro-	224	C6H3BrCl2	019393-92-1	50
3	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	42
4	1,3-Diamino-5,6-dihydro-9-methyl...	226	C13H14N4	037436-39-8	42
5	p-Anisaldehyde phenylhydrazone	226	C14H14N2O	000622-73-1	38





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Operator : JU/CG
Sample : L5242-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-2(484+26)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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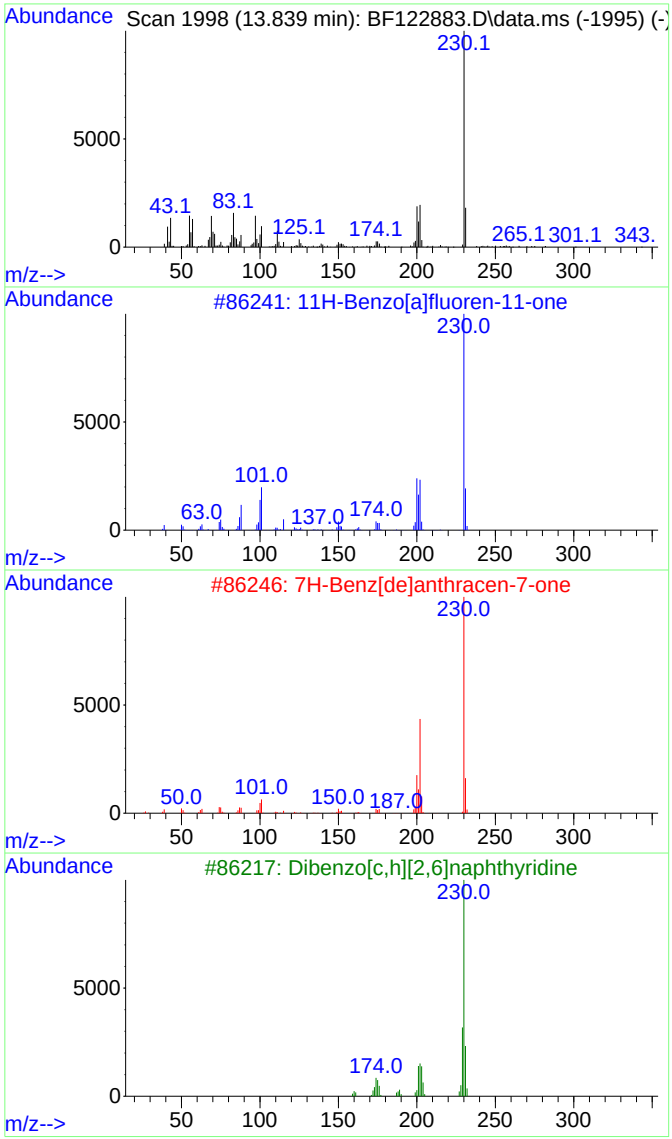
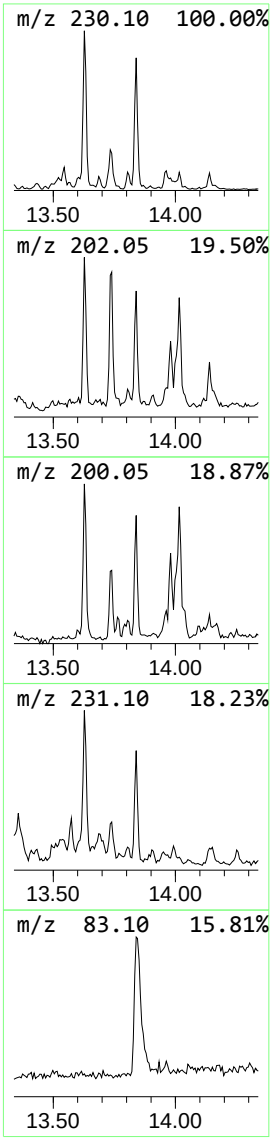
Peak Number 8 11H-Benzo[a]fluoren-11-one Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.839	3.85 ng	338517	Chrysene-d12	13.992

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	95
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	89
3	Dibenzo[c,h][2,6]naphthyridine	230	C16H10N2	000218-30-4	72
4	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	64
5	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	64





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Operator : JU/CG
Sample : L5242-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SAMPLE-2(484+26)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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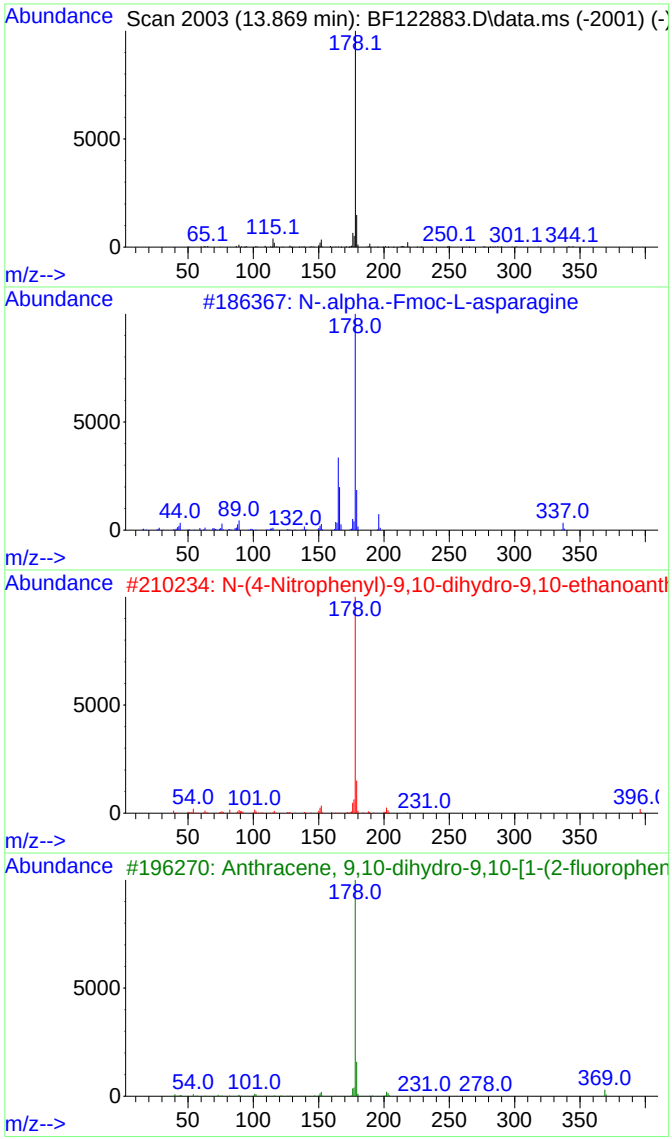
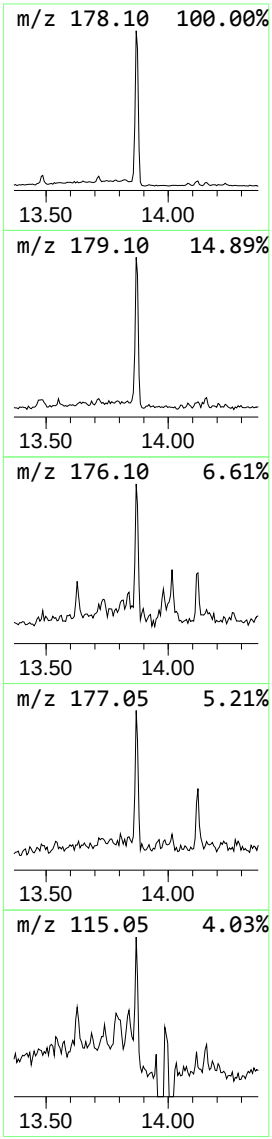
Peak Number 9 N-.alpha.-Fmoc-L-asparagine Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.868	2.29 ng	201455	Chrysene-d12	13.992

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N-.alpha.-Fmoc-L-asparagine	354	C19H18N2O5	071989-16-7	78
2	N-(4-Nitrophenyl)-9,10-dihydro-9...	396	C24H16N2O4	1000225-24-2	78
3	Anthracene, 9,10-dihydro-9,10-[1...	369	C24H16FNO2	309939-01-3	78
4	Pentacyclo[6.6.5.0(2,7).0(9,14)....	274	C19H14O2	111501-02-1	78
5	Pentacyclo[6.6.5.0(2,7).0(9,14)....	288	C20H16O2	111240-92-7	78





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Operator : JU/CG
Sample : L5242-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-2(484+26)

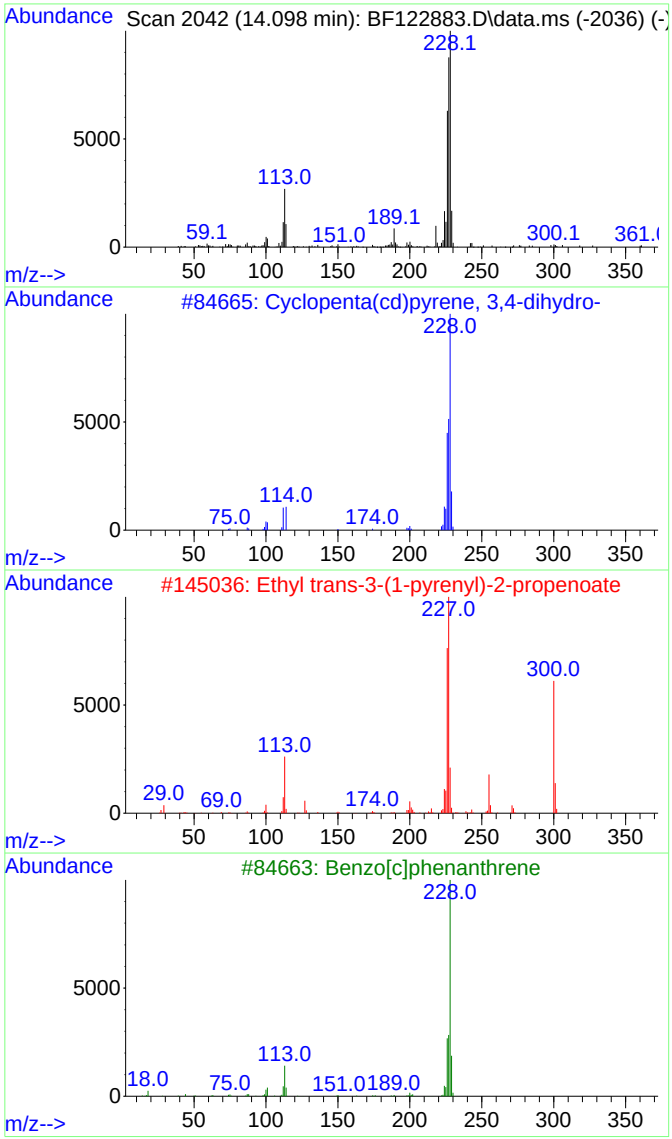
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

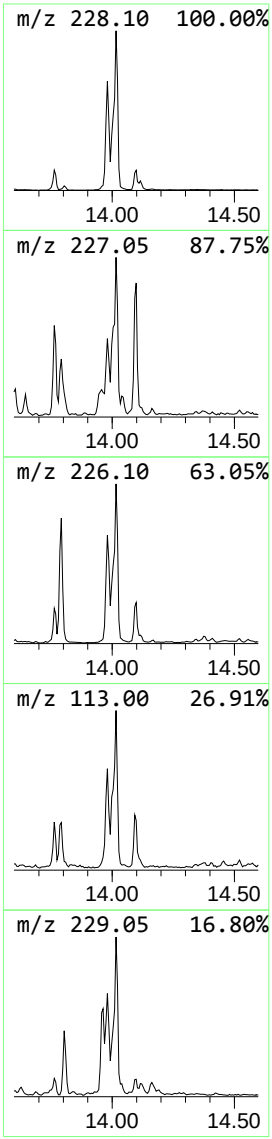
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.098	2.43 ng	213126	Chrysene-d12	13.992

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	96
2	Ethyl trans-3-(1-pyrenyl)-2-prop...	300	C21H16O2	1000326-14-5	64
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	60
4	Diphenylvinylphosphine oxide	228	C14H13OP	002096-78-8	49
5	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	47





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Operator : JU/CG
Sample : L5242-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-2(484+26)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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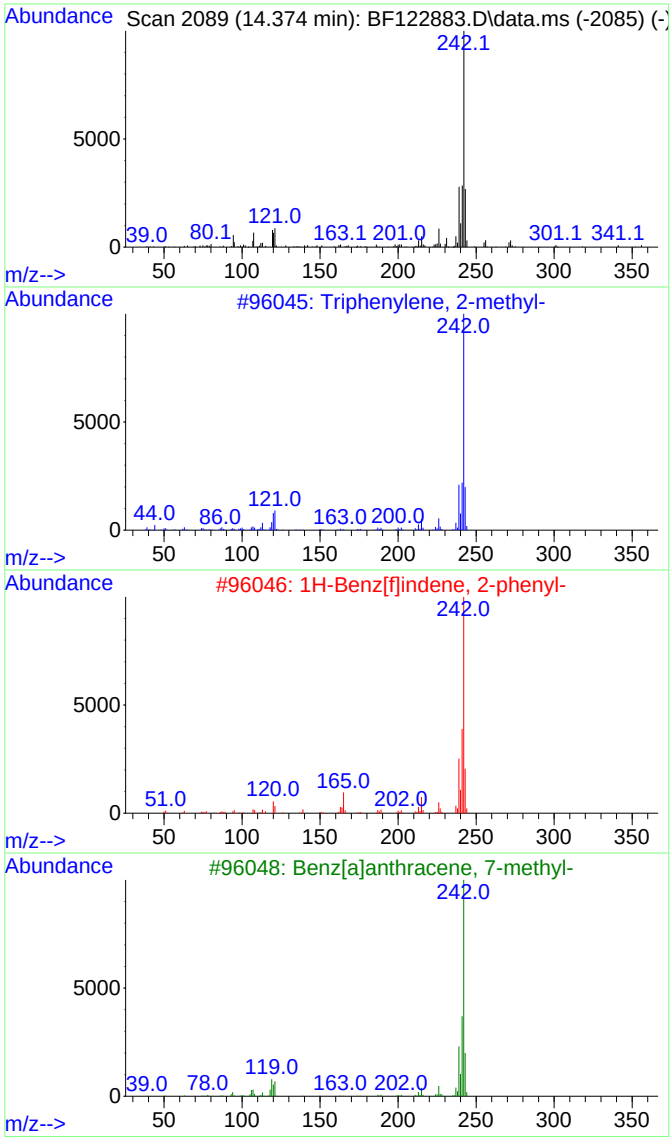
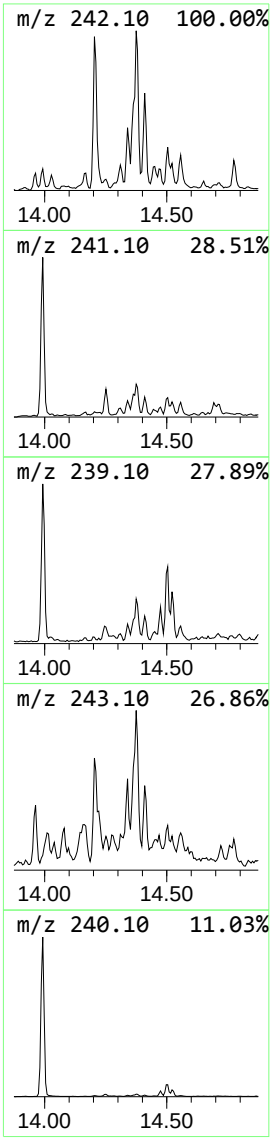
Peak Number 11 Triphenylene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.374	2.17 ng	191035	Chrysene-d12	13.992

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	95
2	1H-Benz[f]indene, 2-phenyl-	242	C19H14	1000305-22-4	94
3	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	94
4	Chrysene, 1-methyl-	242	C19H14	003351-28-8	91
5	Chrysene, 6-methyl-	242	C19H14	001705-85-7	90





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Acq On : 30 Dec 2020 17:29
Operator : JU/CG
Sample : L5242-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-2(484+26)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

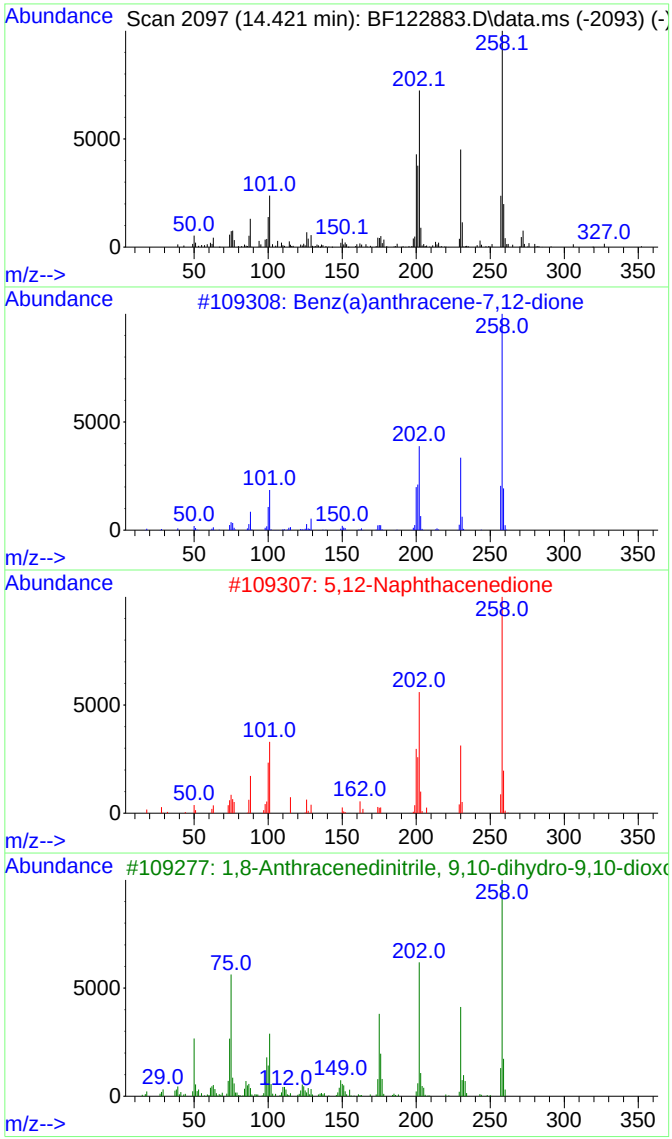
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

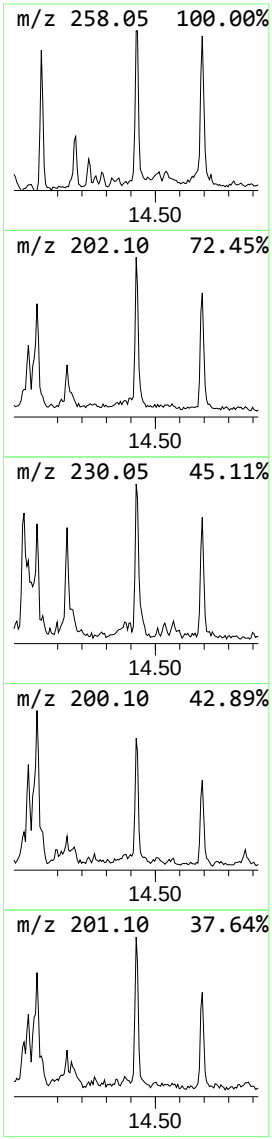
****

Peak Number 12 Benz(a)anthracene-7,12-dione Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.421	2.17 ng	190923	Chrysene-d12	13.992

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	96
2	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	93
3	1,8-Anthracenedinitrile, 9,10-di...	258	C16H6N2O2	090866-50-5	76
4	1,4-Chrysenequinone	258	C18H10O2	100900-16-1	53
5	Benzo[1,2-b:5,4-b']bisbenzofuran	258	C18H10O2	000241-36-1	50





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Operator : JU/CG
Sample : L5242-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAMPLE-2(484+26)

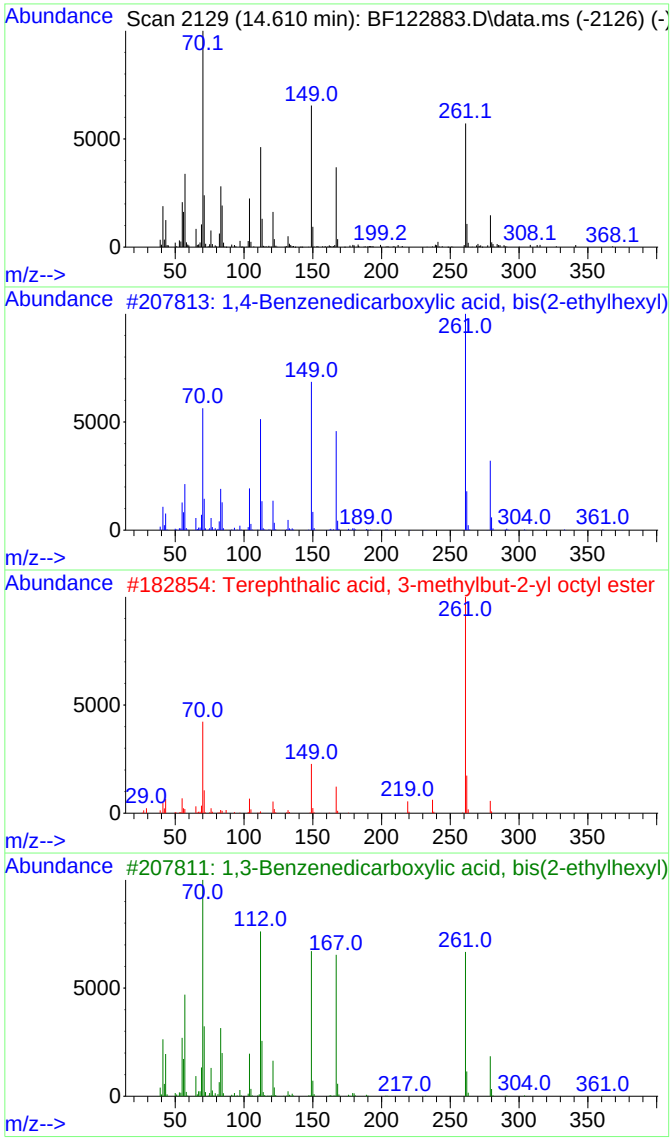
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

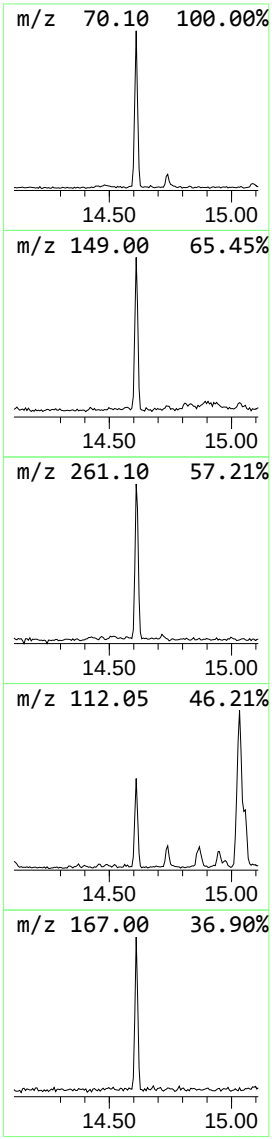
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 1,4-Benzenedicarboxylic aci... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.610	2.51 ng	220512	Chrysene-d12	13.992

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Benzenedicarboxylic acid, bi...	390	C24H38O4	006422-86-2	64
2	Terephthalic acid, 3-methylbut-2...	348	C21H32O4	1000356-27-6	49
3	1,3-Benzenedicarboxylic acid, bi...	390	C24H38O4	000137-89-3	49
4	Terephthalic acid, monochloride,...	296	C16H21ClO3	1000324-22-9	43
5	Terephthalic acid, 3-hexyl octyl...	362	C22H34O4	1000356-23-1	30





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Sample : L5242-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAMPLE-2(484+26)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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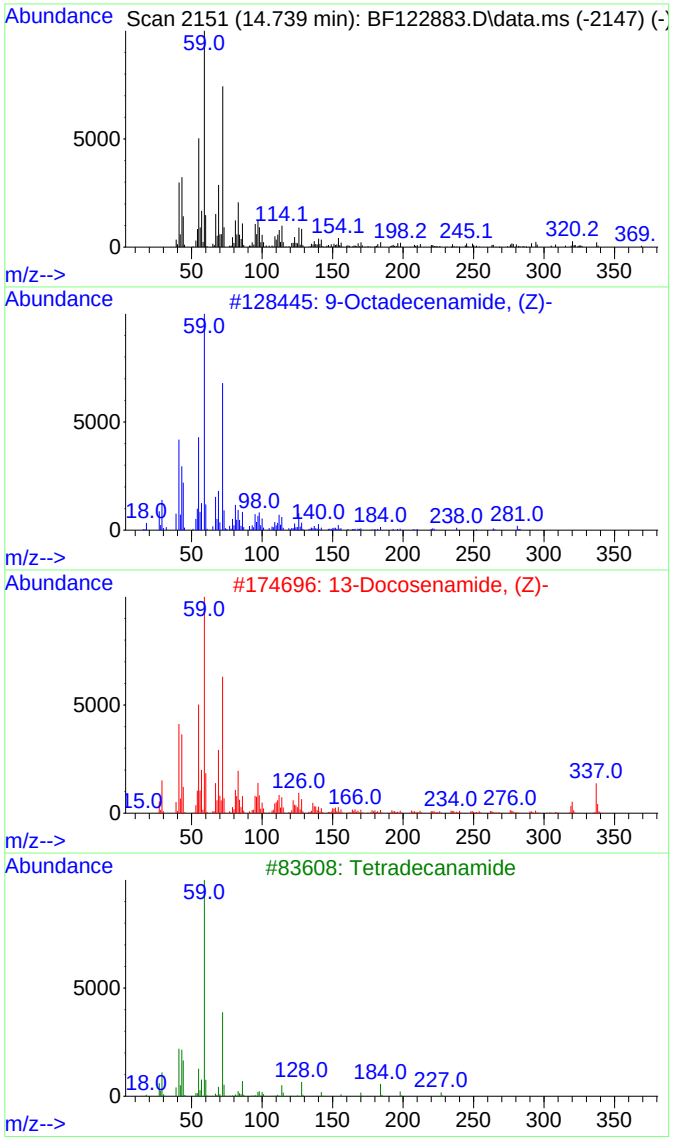
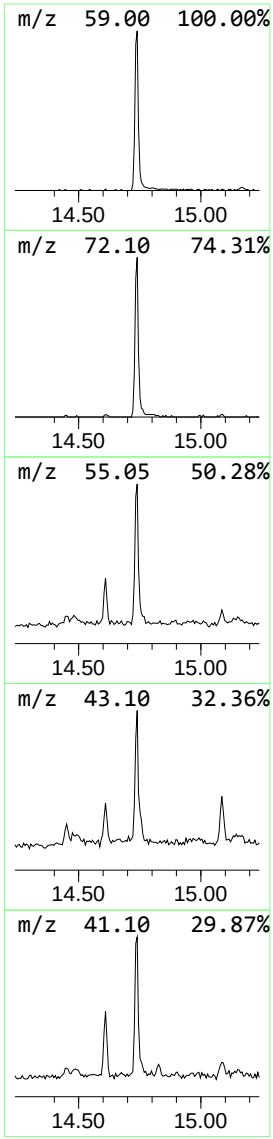
Peak Number 14 9-Octadecenamide, (Z)- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.739	6.32 ng	342529	Perylene-d12	15.457

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	90
2	13-Docosenamide, (Z)-	337	C22H43NO	000112-84-5	90
3	Tetradecanamide	227	C14H29NO	000638-58-4	59
4	Octadecanamide	283	C18H37NO	000124-26-5	50
5	Heptanamide, 4-ethyl-5-methyl-	171	C10H21NO	054789-40-1	46





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Sample : L5242-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-2(484+26)

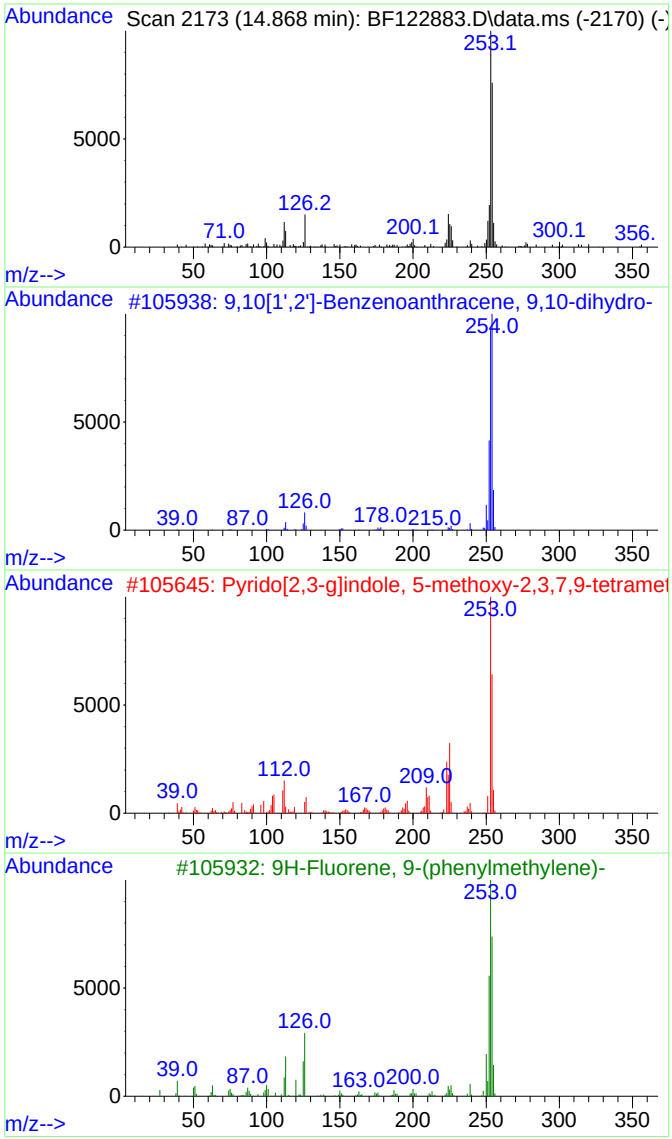
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

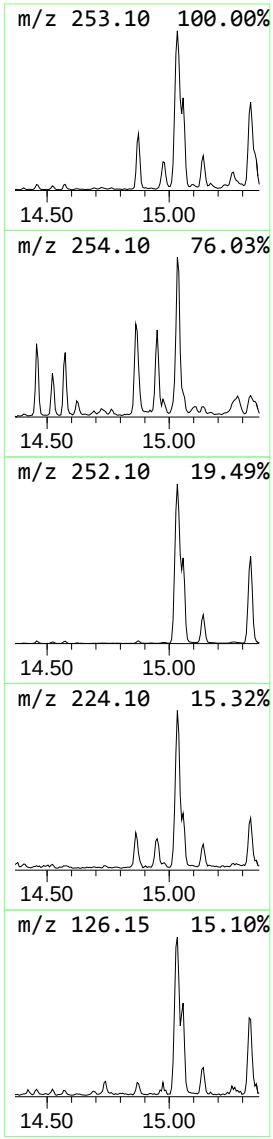
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 9,10[1',2']-Benzenoanthrace... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.868	3.02 ng	163799	Perylene-d12	15.457

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	74
2	Pyrido[2,3-g]indole, 5-methoxy-2...	254	C16H18N2O	201991-45-9	72
3	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	64
4	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	64
5	2H-Pyrazolo[3',4':5,6]pyrimido[2...	254	C13H10N4O2	1000318-77-9	64





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ALS Vial : 10 Sample Multiplier: 1

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ClientSampleId : SAMPLE-2(484+26)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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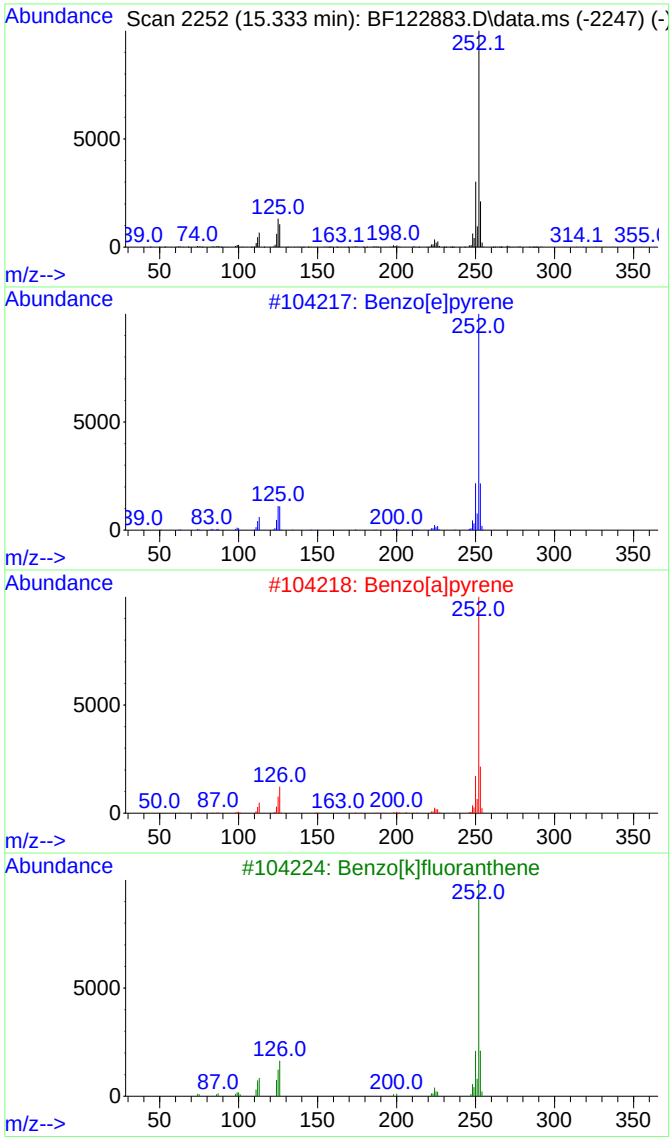
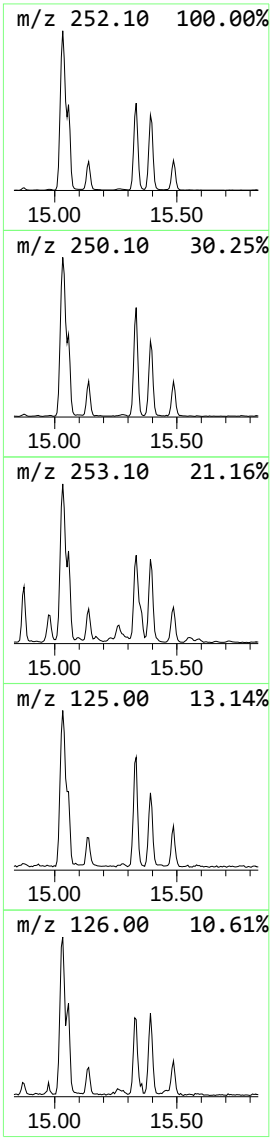
Peak Number 17 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.333	15.15 ng	821032	Perylene-d12	15.457

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





Tentatively Identified Compound (LSC) summary

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Data File : BF122883.D
Acq On : 30 Dec 2020 17:29
Operator : JU/CG
Sample : L5242-03
Misc :
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Instrument : BNA_F
ClientSampleId : SAMPLE-2(484+26)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.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
Anthracene, 9-m...	11.874	2.3	ng	97821	4	11.345	867852	20.0
4H-Cyclopenta[d...	11.963	2.9	ng	126619	4	11.345	867852	20.0
Cyclopenta(def)...	12.486	2.3	ng	101156	4	11.345	867852	20.0
Pyrene, 1-methyl-	13.222	2.2	ng	189680	5	13.992	1757220	20.0
6H-Benz[de]anth...	13.627	2.6	ng	224972	5	13.992	1757220	20.0
Benzo[b]naphtho...	13.739	2.1	ng	182777	5	13.992	1757220	20.0
Cyclopenta[cd]p...	13.792	3.8	ng	335133	5	13.992	1757220	20.0
11H-Benzo[a]flu...	13.839	3.9	ng	338517	5	13.992	1757220	20.0
N-.alpha.-Fmoc-...	13.868	2.3	ng	201455	5	13.992	1757220	20.0
Cyclopenta(cd)p...	14.098	2.4	ng	213126	5	13.992	1757220	20.0
Triphenylene, 2...	14.374	2.2	ng	191035	5	13.992	1757220	20.0
Benz(a)anthrace...	14.421	2.2	ng	190923	5	13.992	1757220	20.0
1,4-Benzenedica...	14.610	2.5	ng	220512	5	13.992	1757220	20.0
9-Octadecenamid...	14.739	6.3	ng	342529	6	15.457	1083960	20.0
9,10[1',2']-Ben...	14.868	3.0	ng	163799	6	15.457	1083960	20.0
Benzo[e]pyrene	15.333	15.2	ng	821032	6	15.457	1083960	20.0