LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061918\
Data File : BF106597.D
Acq On : 19 Jun 2018 22:04
Operator : JU/SJ
Sample : J3249-05 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-061818-C

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-BF061918.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	5.601	552	555	567	rVB	460600	437316	8.35%	0.712%
2	6.601	722	725	734	rBV	515129	426201	8.14%	0.694%
3	6.737	744	748	752	rBV	557149	444618	8.49%	0.724%
4	6.960	783	786	790	rVB	681730	559935	10.69%	0.912%
5	7.113	809	812	816	rBV	382362	348778	6.66%	0.568%
6	7.519	877	881	887	rBV	314236	253669	4.85%	0.413%
7	8.242	1001	1004	1007	rBV	741581	689905	13.18%	1.124%
8	8.266	1007	1008	1011	rVB	212435	108218	2.07%	0.176%
9	8.960	1122	1126	1129	rBV	153785	134991	2.58%	0.220%
10	9.060	1138	1143	1146	rBV	134040	123446	2.36%	0.201%
11	9.313	1183	1186	1190	rBV	495426	439987	8.40%	0.717%
12	9.589	1228	1233	1236	rBV2	87737	124827	2.38%	0.203%
13	9.660	1241	1245	1247	rBV	148697	145608	2.78%	0.237%
14	9.866	1276	1280	1285	rBV	258392	236432	4.52%	0.385%
15	10.007	1301	1304	1306	rVV	609292	564534	10.78%	0.920%
16	10.036	1306	1309	1312	rVB	471389	356906	6.82%	0.581%
17	10.207	1334	1338	1341	rVV2	330923	306455	5.85%	0.499%
18	10.319	1353	1357	1359	rBV	76765	84389	1.61%	0.137%
19	10.413	1367	1373	1378	rBV2	75818	122235	2.33%	0.199%
20	10.554	1393	1397	1402	rVB	640138	553711	10.58%	0.902%
21	10.619	1402	1408	1409	rBV2	80180	97004	1.85%	0.158%
22	10.707	1421	1423	1426	rVB	168971	137384	2.62%	0.224%
23	10.795	1430	1438	1441	rBV3	363078	427895	8.17%	0.697%
24	10.901	1451	1456	1458	rBV3	87152	134777	2.57%	0.220%
25	11.101	1484	1490	1493	rBV2	182704	217139	4.15%	0.354%
26	11.224	1507	1511	1513	rVV3	102389	125010	2.39%	0.204%
27	11.248	1513	1515	1520	rVV3	110547	150401	2.87%	0.245%
28	11.301	1521	1524	1527	rVV	184341	172198	3.29%	0.281%
29	11.342	1527	1531	1534	rVV	149476	168573	3.22%	0.275%
30	11.395	1537	1540	1545	rVB	247621	230370	4.40%	0.375%
31	11.501	1554	1558	1559	rBV	578884	577407	11.03%	0.941%
32	11.530	1559	1563	1566	rVV	2814118	2834686	54.14%	4.618%
33	11.577	1566	1571	1573	rVV	1369979	1176321	22.47%	1.916%
34	11.607	1573	1576	1578	rVV2	112636	114110	2.18%	0.186%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061918\
Data File : BF106597.D
Acq On : 19 Jun 2018 22:04
Operator : JU/SJ
Sample : J3249-05 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-061818-C

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-BF061918.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.730	1592	1597	1601	rBV	279515	319271	6.10%	0.520%
36	11.789	1605	1607	1611	rVV2	131962	102810	1.96%	0.167%
37	11.830	1611	1614	1618	rVB3	122167	136138	2.60%	0.222%
38	11.871	1618	1621	1625	rBV2	88323	87501	1.67%	0.143%
39	12.001	1637	1643	1645	rBV	591742	529309	10.11%	0.862%
40	12.030	1645	1648	1651	rVB	783059	669306	12.78%	1.090%
41	12.077	1651	1656	1659	rBV	399215	371619	7.10%	0.605%
42	12.118	1659	1663	1665	rBV2	1019373	1161207	22.18%	1.892%
43	12.136	1665	1666	1669	rVB	424221	224866	4.29%	0.366%
44	12.177	1670	1673	1675	rBV	104320	84226	1.61%	0.137%
45	12.295	1690	1693	1695	rVV	470386	381197	7.28%	0.621%
46	12.324	1695	1698	1701	rVB	220793	179203	3.42%	0.292%
47	12.442	1713	1718	1721	rBV2	136802	153040	2.92%	0.249%
48	12.471	1721	1723	1725	rVV	134559	113447	2.17%	0.185%
49	12.501	1725	1728	1730	rVB2	135587	121341	2.32%	0.198%
50	12.560	1732	1738	1740	rBV2	372164	662455	12.65%	1.079%
51	12.583	1740	1742	1745	rVV2	340664	410249	7.84%	0.668%
52	12.642	1749	1752	1761	rVB3	355310	499274	9.54%	0.813%
53	12.730	1761	1767	1770	rBV	3396464	4524983	86.43%	7.372%
54	12.777	1773	1775	1778	rVB	165649	144001	2.75%	0.235%
55	12.813	1778	1781	1783	rVB	139048	107489	2.05%	0.175%
56	12.871	1783	1791	1793	rBV2	255819	388576	7.42%	0.633%
57	12.960	1798	1806	1810	rBV2	3133573	5235573	100.00%	8.530%
58	12.995	1810	1812	1816	rVB2	348512	327489	6.26%	0.534%
59	13.083	1820	1827	1829	rBV2	554975	872055	16.66%	1.421%
60	13.107	1829	1831	1834	rVB	311206	269603	5.15%	0.439%
61	13.165	1835	1841	1844	rBV2	456382	793236	15.15%	1.292%
62	13.248	1852	1855	1857	rBV3	358025	454856	8.69%	0.741%
63	13.277	1857	1860	1863	rVB	998260	916344	17.50%	1.493%
64	13.342	1868	1871	1874	rBV	865607	746547	14.26%	1.216%
65	13.383	1874	1878	1880	rVV2	568505	626945	11.97%	1.021%
66	13.407	1880	1882	1884	rVB	115629	85334	1.63%	0.139%
67	13.436	1884	1887	1890	rBV2	130081	123541	2.36%	0.201%
68	13.471	1890	1893	1896	rBV	304457	300534	5.74%	0.490%
69	13.507	1896	1899	1901	rBV	353803	312769	5.97%	0.510%
70	13.677	1920	1928	1929	rBV6	168229	298811	5.71%	0.487%
71	13.760	1939	1942	1944	rBV	173247	200859	3.84%	0.327%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061918\
Data File : BF106597.D
Acq On : 19 Jun 2018 22:04
Operator : JU/SJ
Sample : J3249-05 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-061818-C

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-BF061918.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.783	1944	1946	1950	rVB	471765	487624	9.31%	0.794%
73	13.901	1961	1966	1968	rBV2	529573	652199	12.46%	1.063%
74	13.930	1968	1971	1973	rVV	598296	624231	11.92%	1.017%
75	13.954	1973	1975	1980	rVV2	564040	821735	15.70%	1.339%
76	13.995	1980	1982	1986	rVB	455220	434905	8.31%	0.709%
77	14.154	2001	2009	2012	rBV2	2642520	4260302	81.37%	6.941%
78	14.189	2012	2015	2021	rVV	2439452	2601167	49.68%	4.238%
79	14.242	2021	2024	2025	rVV2	112088	116382	2.22%	0.190%
80	14.265	2025	2028	2031	rVV	720296	704843	13.46%	1.148%
81	14.301	2032	2034	2038	rVV3	309160	445256	8.50%	0.725%
82	14.348	2040	2042	2044	rVV	271466	244202	4.66%	0.398%
83	14.383	2044	2048	2051	rVV2	326383	500021	9.55%	0.815%
84	14.412	2051	2053	2056	rVB3	147518	150380	2.87%	0.245%
85	14.507	2067	2069	2071	rBV	126198	110630	2.11%	0.180%
86	14.548	2071	2076	2079	rVV	670689	755451	14.43%	1.231%
87	14.583	2079	2082	2085	rVB	314265	267920	5.12%	0.436%
88	14.648	2091	2093	2096	rVB	218798	174085	3.33%	0.284%
89	14.677	2096	2098	2100	rVV	286415	256483	4.90%	0.418%
90	14.701	2100	2102	2106	rVB3	402820	346159	6.61%	0.564%
91	14.748	2106	2110	2117	rVB3	235334	395554	7.56%	0.644%
92	15.248	2189	2195	2198	rBV	1557989	2803882	53.55%	4.568%
93	15.277	2198	2200	2203	rVB	1036425	891823	17.03%	1.453%
94	15.359	2210	2214	2218	rBV	402137	459644	8.78%	0.749%
95	15.571	2245	2250	2256	rVB	1032795	1428262	27.28%	2.327%
96	15.642	2256	2262	2266	rBV	1458395	2039683	38.96%	3.323%
97	15.701	2268	2272	2275	rVV	356521	539511	10.30%	0.879%
98	15.736	2275	2278	2284	rVB2	469962	648733	12.39%	1.057%
99	17.277	2533	2540	2546	rVB2	599364	1195340	22.83%	1.947%
100	17.759	2616	2622	2634	rVB	450247	1061522	20.28%	1.729%

Sum of corrected areas: 61379369

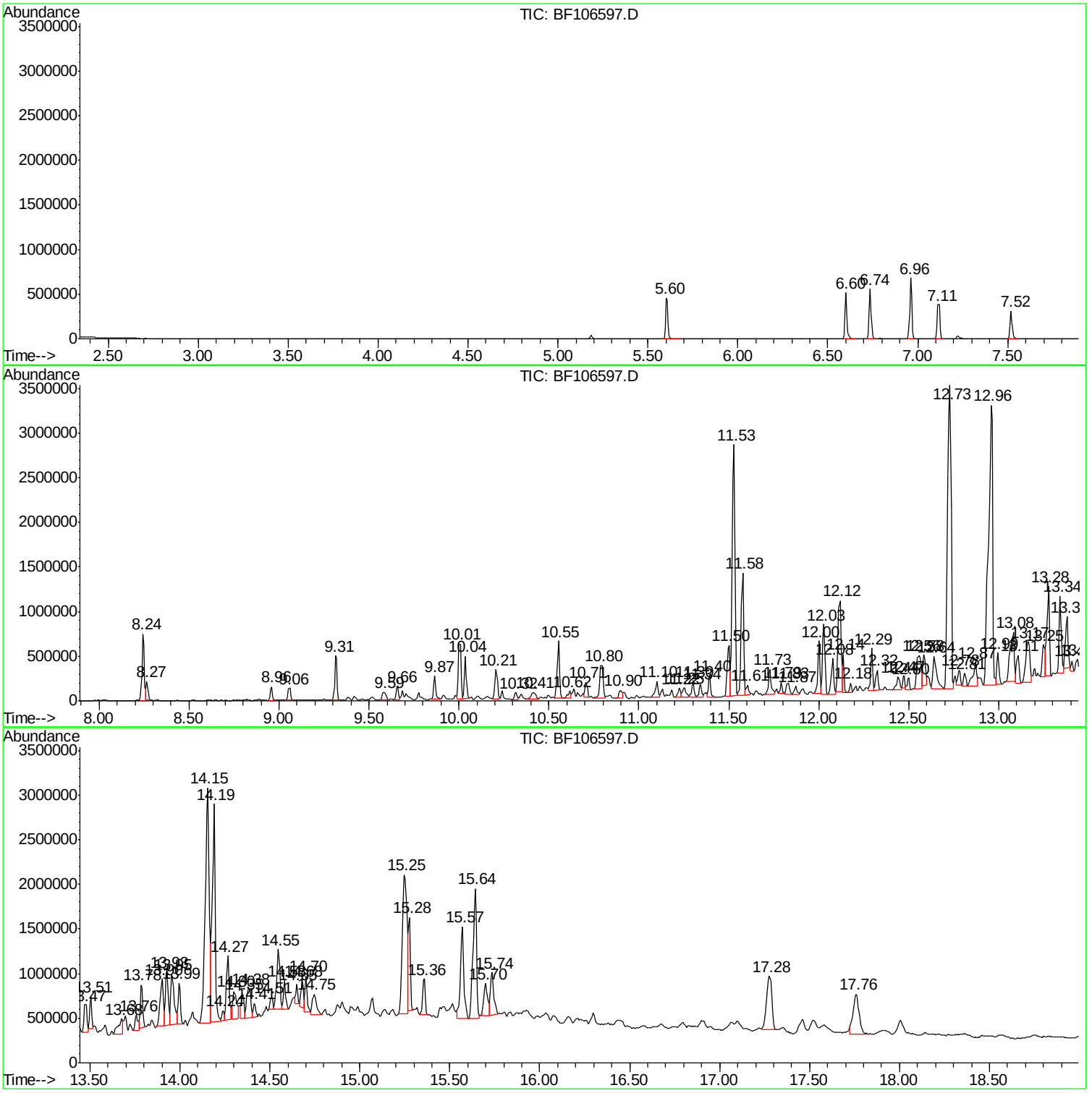
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061918\
Data File : BF106597.D
Acq On : 19 Jun 2018 22:04
Operator : JU/SJ
Sample : J3249-05 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-01-061818-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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\BF061918\
Data File : BF106597.D
Acq On : 19 Jun 2018 22:04
Operator : JU/SJ
Sample : J3249-05 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-061818-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

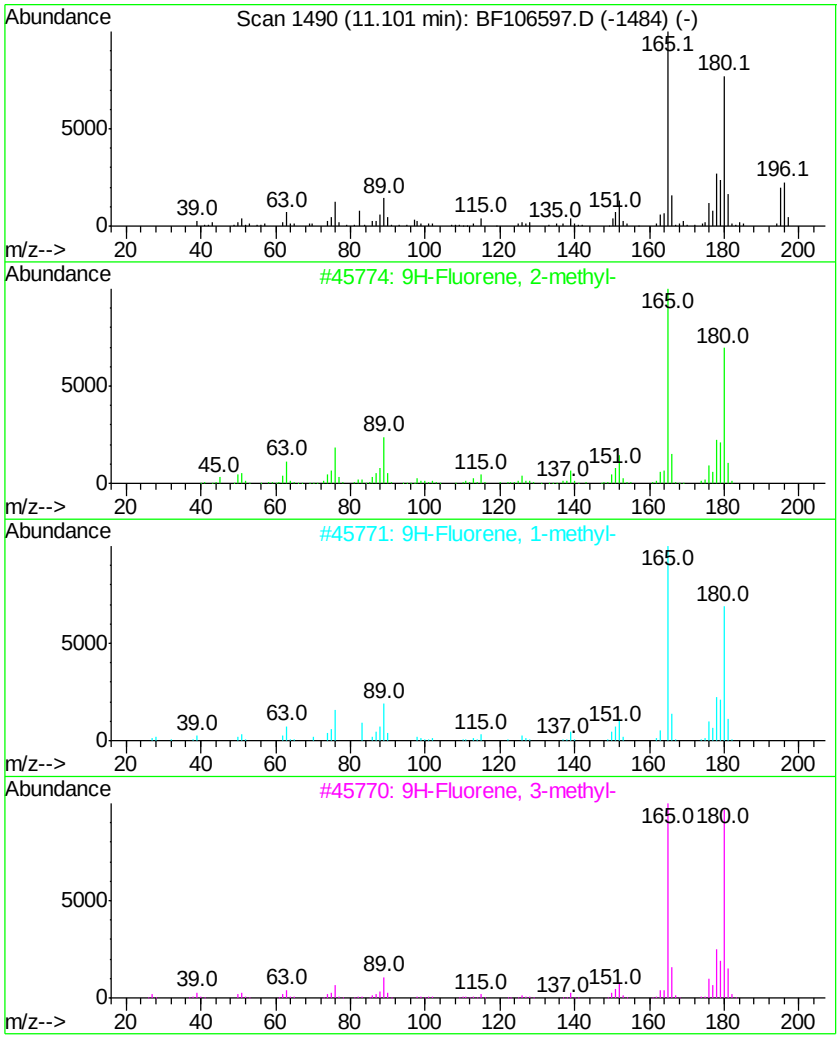
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

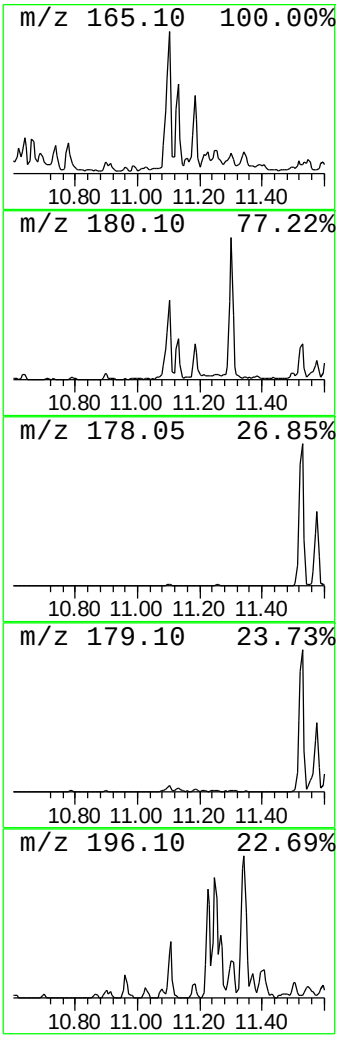
****

Peak Number 3 9H-Fluorene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.10	7.52 ng	217139	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	93
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	86





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061918\
Data File : BF106597.D
Acq On : 19 Jun 2018 22:04
Operator : JU/SJ
Sample : J3249-05 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-061818-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

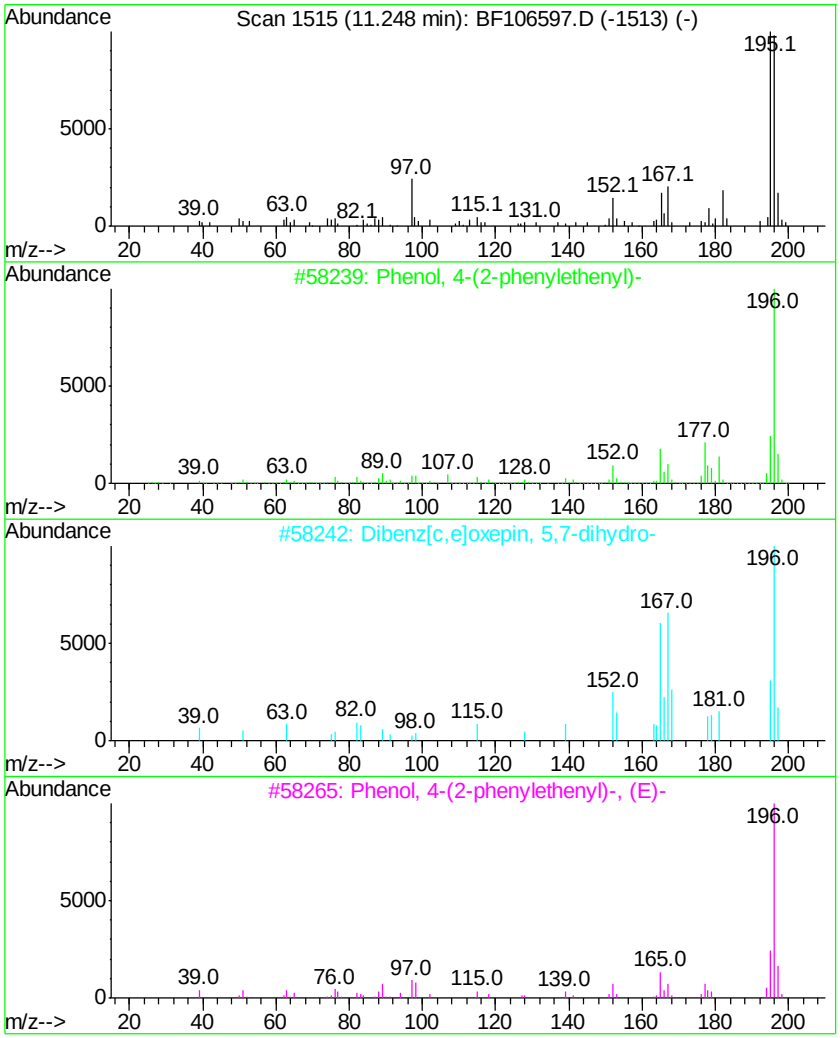
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

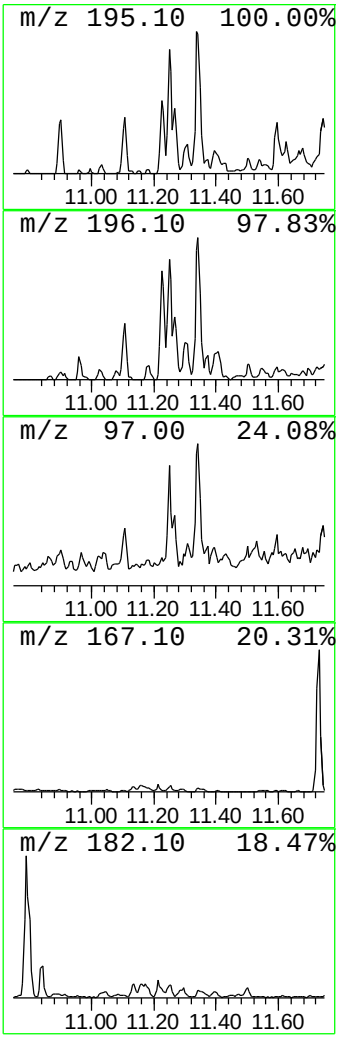
****

Peak Number 4 Phenol, 4-(2-phenylethenyl)- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.25	5.21 ng	150401	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	60
2	Dibenz[c,e]oxepin, 5,7-dihydro-	196	C14H12O	001136-22-7	55
3	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	49
4	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	43
5	Benzenamine, 3-[2-(4-pyridinyl)e...	196	C13H12N2	1000337-31-3	42





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061918\
Data File : BF106597.D
Acq On : 19 Jun 2018 22:04
Operator : JU/SJ
Sample : J3249-05 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-061818-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

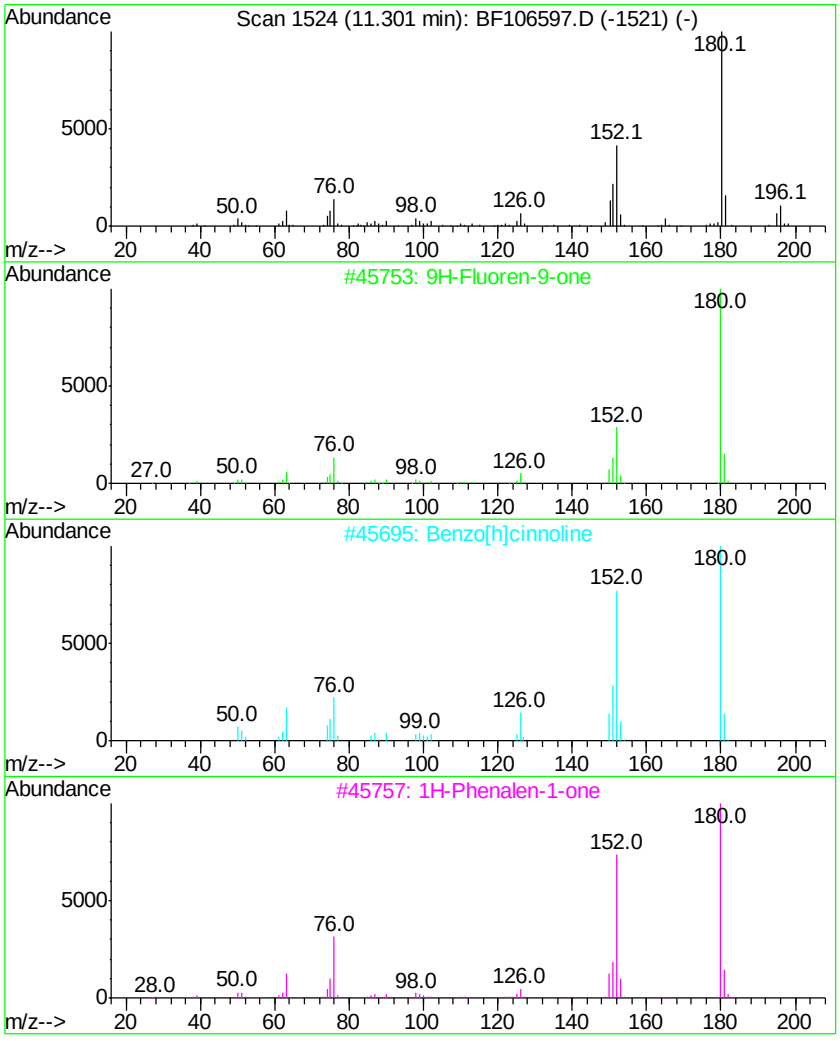
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

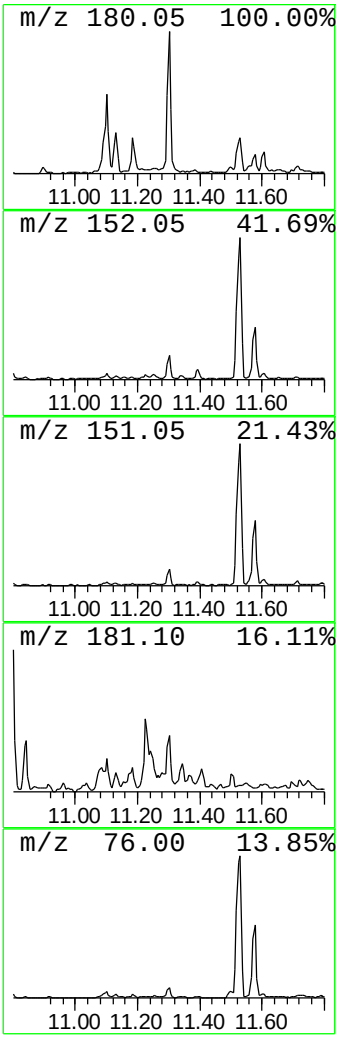
****

Peak Number 5 9H-Fluoren-9-one Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.30	5.96 ng	172198	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	87
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
4	1,1'-Biphenyl, 4-ethenyl-	180	C14H12	002350-89-2	47
5	Phenazine	180	C12H8N2	000092-82-0	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061918\
Data File : BF106597.D
Acq On : 19 Jun 2018 22:04
Operator : JU/SJ
Sample : J3249-05 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-061818-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

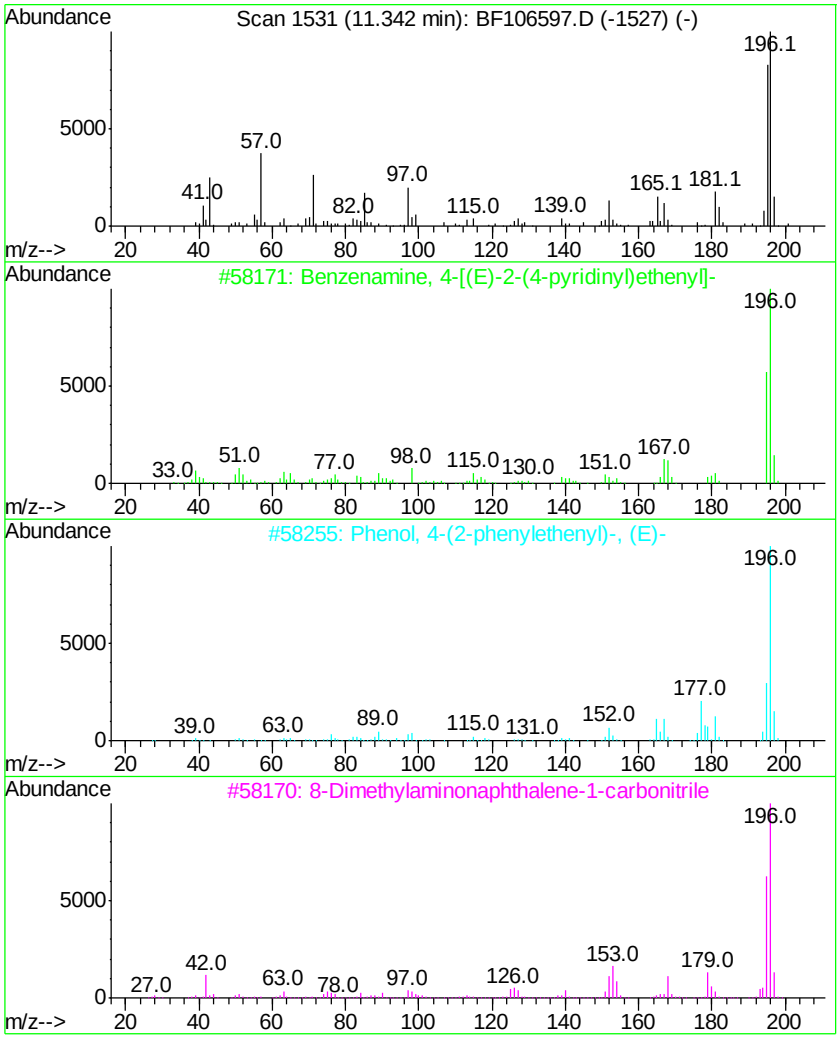
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

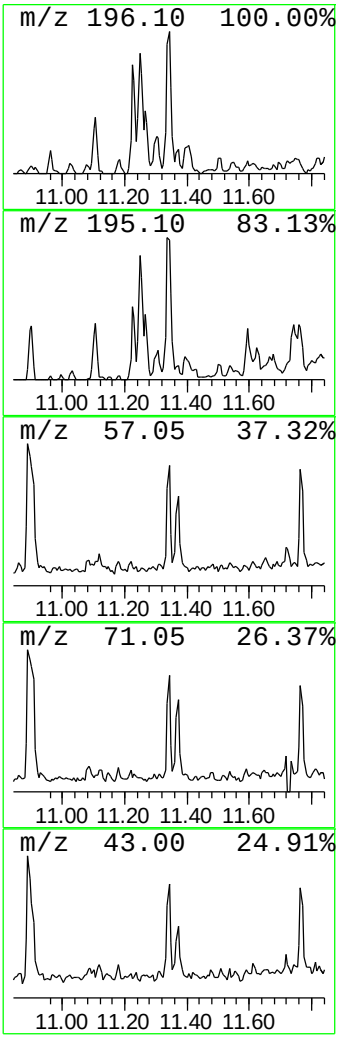
****

Peak Number 6 Benzenamine, 4-[(E)-2-(4-py... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.34	5.84 ng	168573	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenamine, 4-[(E)-2-(4-pyridin...	196	C13H12N2	1000351-61-4	64
2	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	64
3	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	64
4	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	58
5	Benzo[b]benzofuran-2-carboxaldehyde	196	C13H8O2	1000351-56-0	53





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061918\
Data File : BF106597.D
Acq On : 19 Jun 2018 22:04
Operator : JU/SJ
Sample : J3249-05 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-061818-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

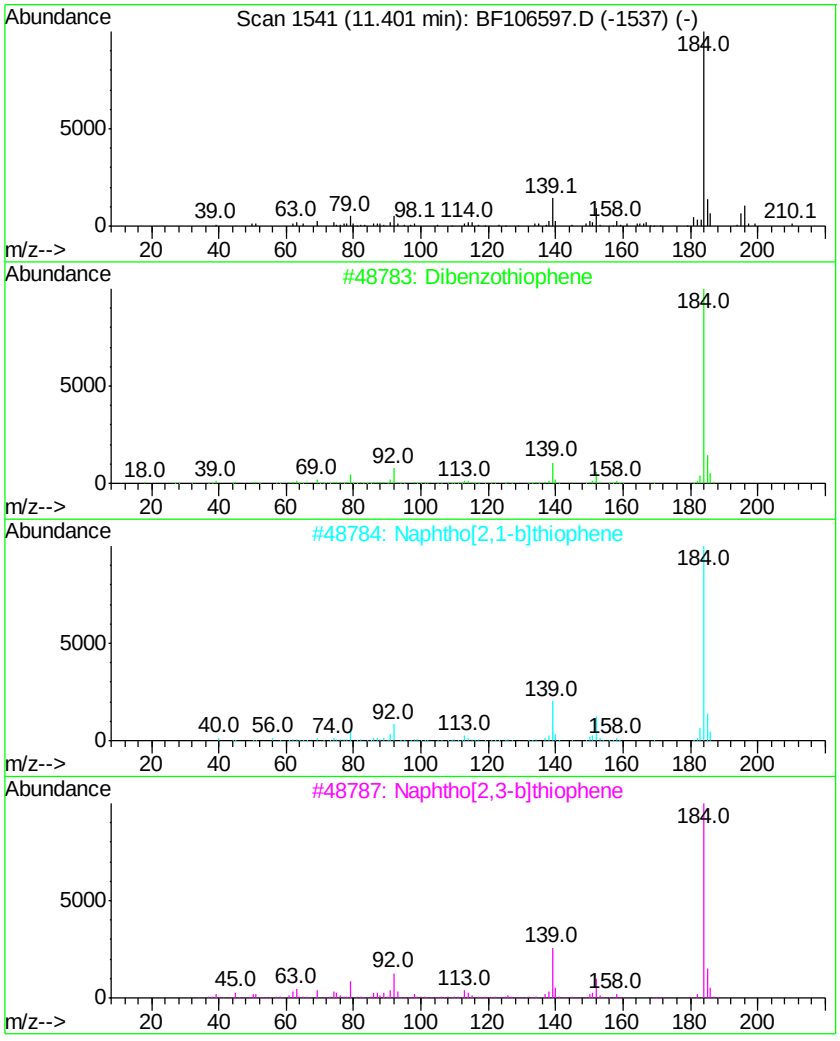
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

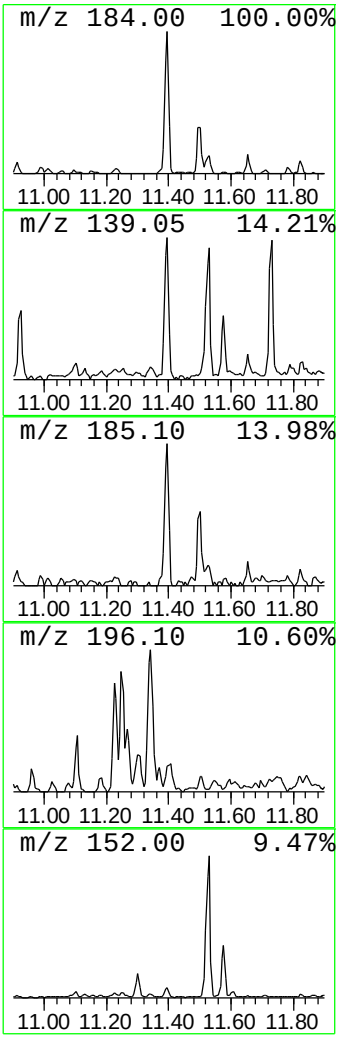
****

Peak Number 7 Dibenzothiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.40	7.98 ng	230370	Phenanthrene-d10	11.50

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	95
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	87





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061918\
Data File : BF106597.D
Acq On : 19 Jun 2018 22:04
Operator : JU/SJ
Sample : J3249-05 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-01-061818-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

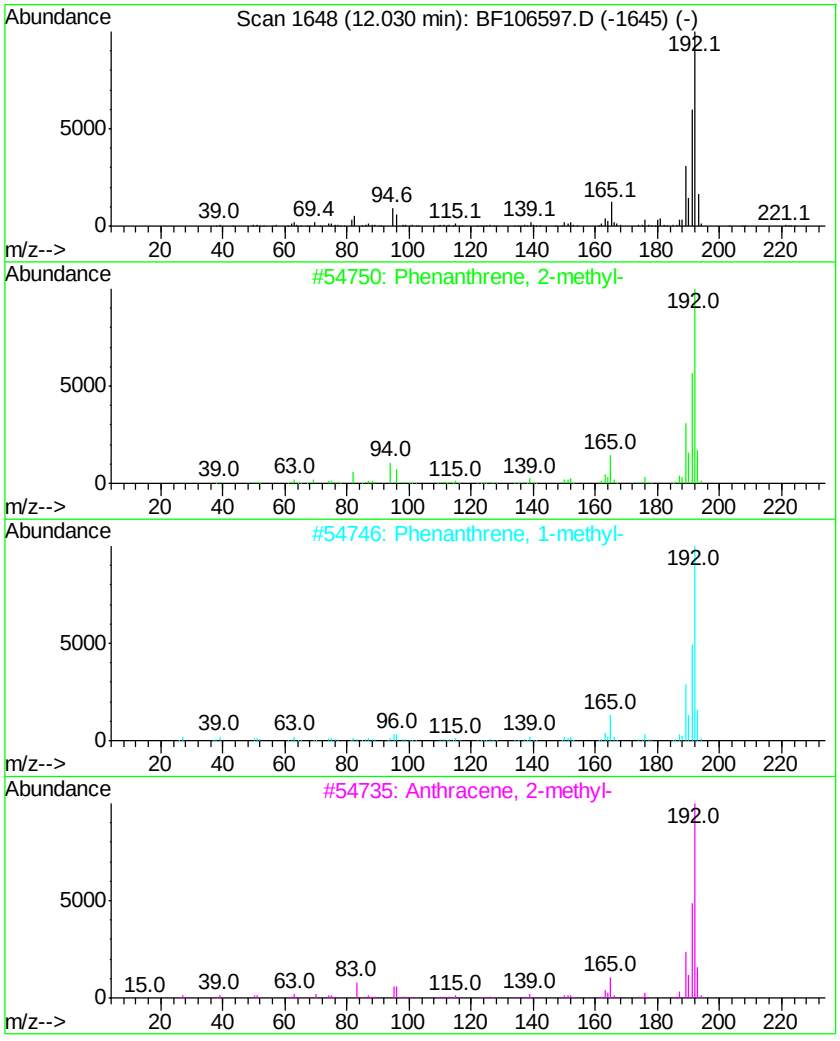
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

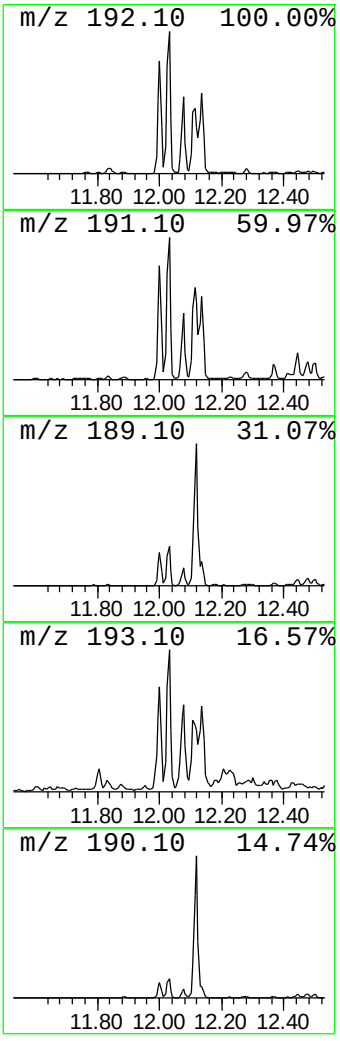
****

Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	23.18 ng	669306	Phenanthrene-d10	11.50

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	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061918\
Data File : BF106597.D
Acq On : 19 Jun 2018 22:04
Operator : JU/SJ
Sample : J3249-05 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-061818-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

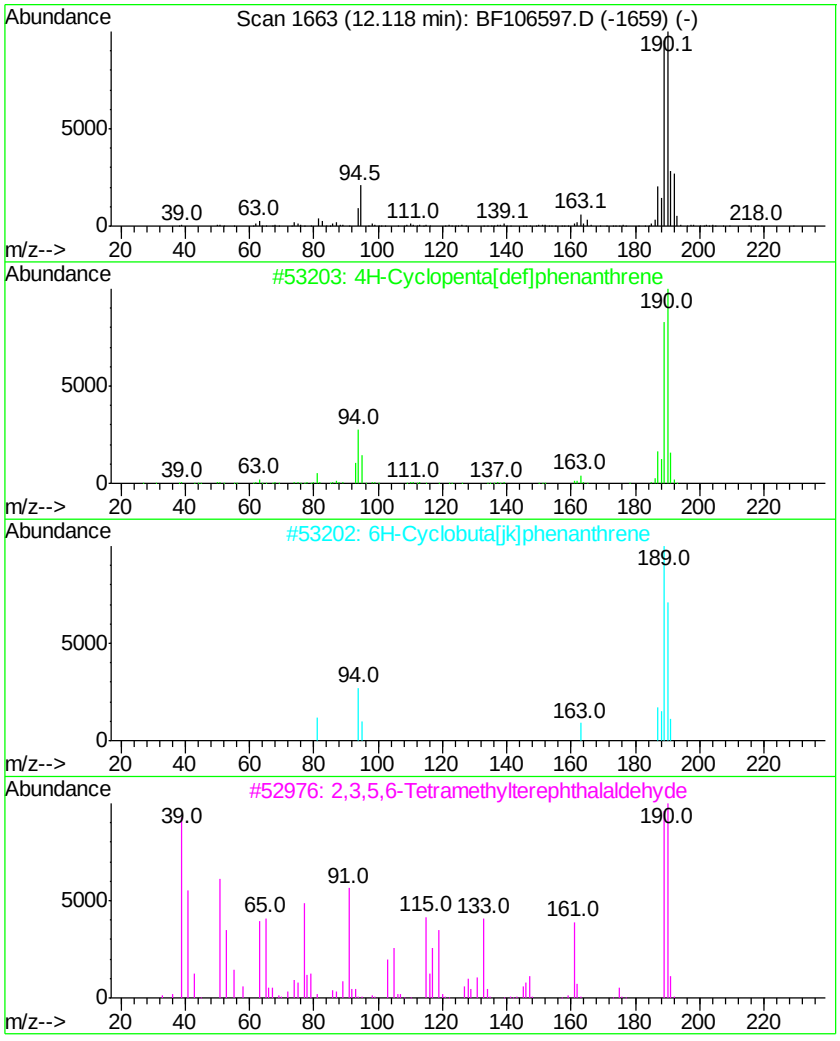
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

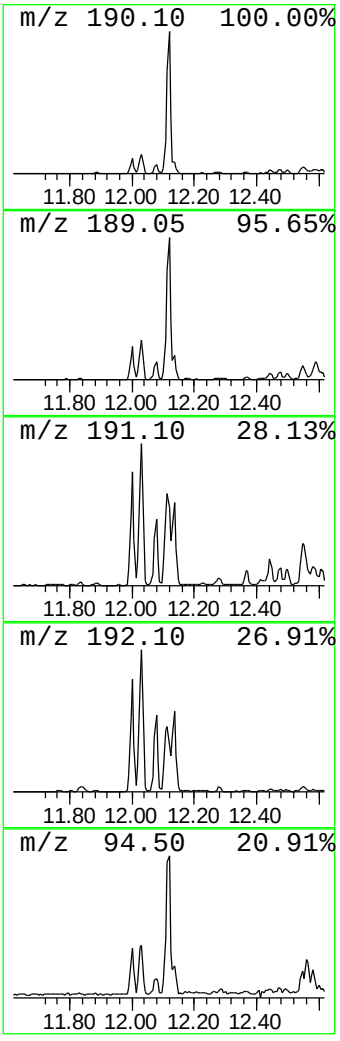
****

Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	40.22 ng	1161210	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	30





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061918\
Data File : BF106597.D
Acq On : 19 Jun 2018 22:04
Operator : JU/SJ
Sample : J3249-05 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-061818-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

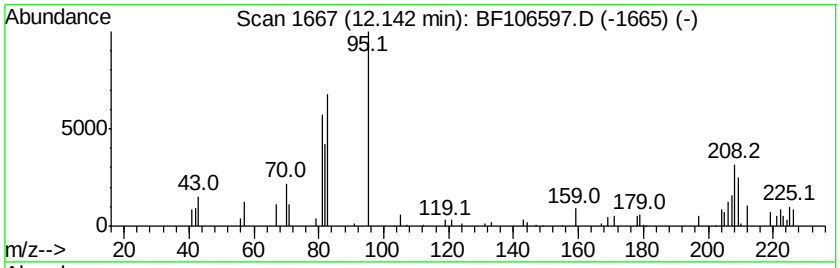
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

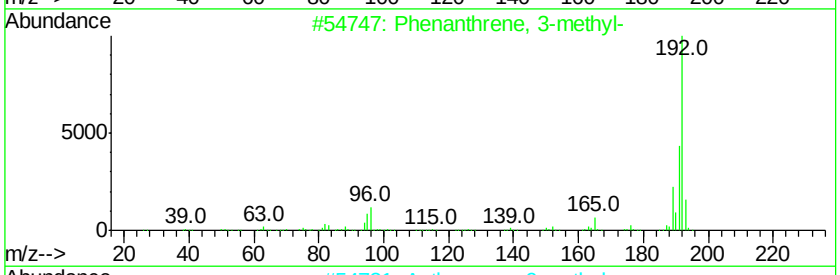
****

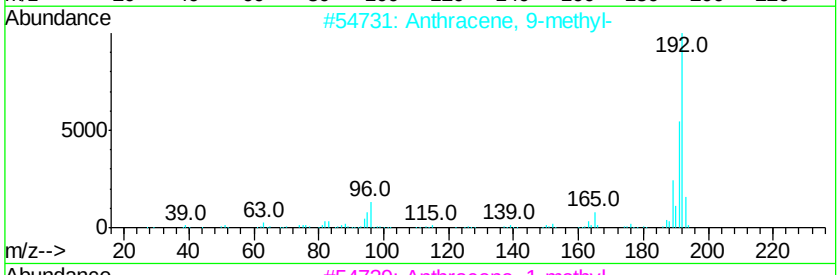
Peak Number 12 Phenanthrene, 3-methyl- Concentration Rank 14

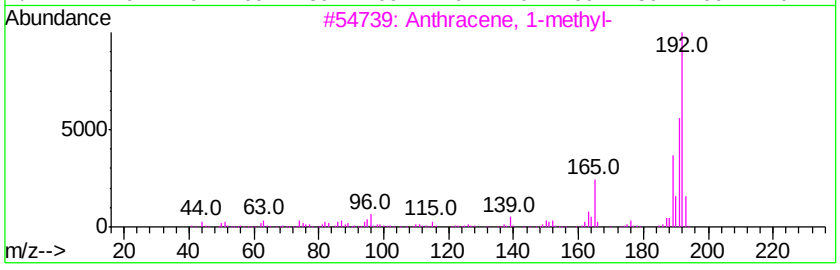
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	7.79 ng	224866	Phenanthrene-d10	11.50

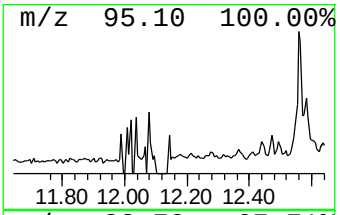
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	87
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	83
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	81
4	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	74
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	74

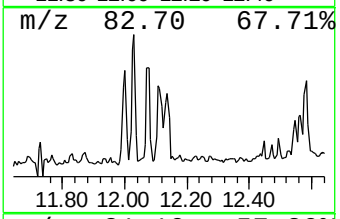


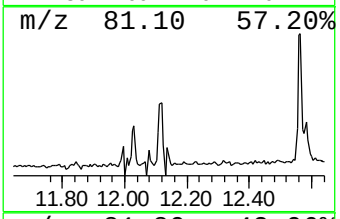


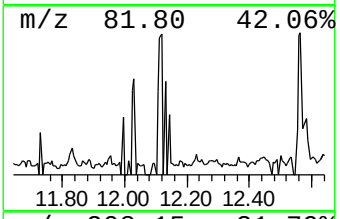


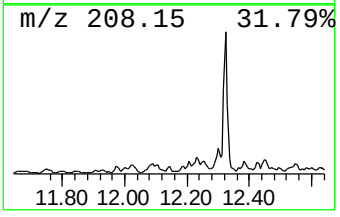












Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061918\
Data File : BF106597.D
Acq On : 19 Jun 2018 22:04
Operator : JU/SJ
Sample : J3249-05 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-061818-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

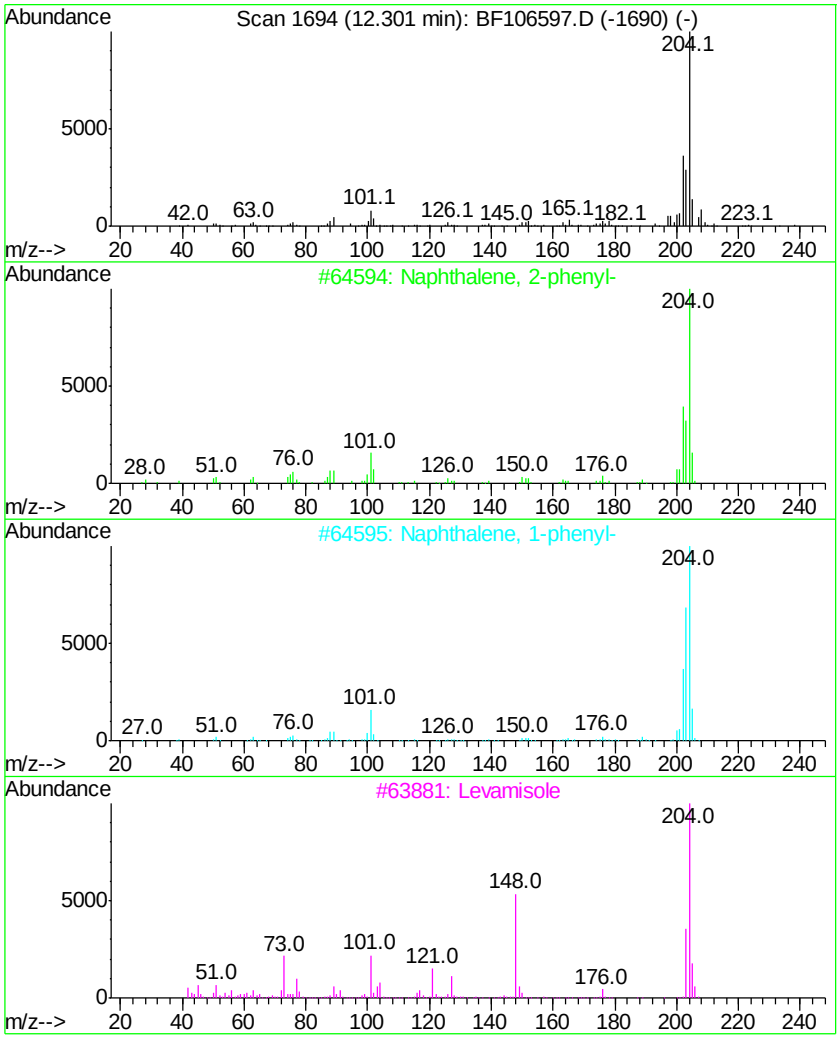
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

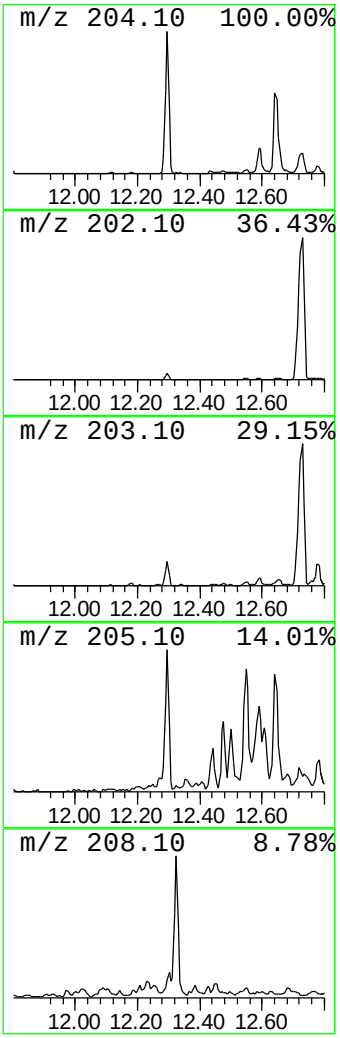
****

Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	13.20 ng	381197	Phenanthrene-d10	11.50

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	60
3	Levamisole	204	C11H12N2S	014769-73-4	58
4	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	53
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	52





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061918\
Data File : BF106597.D
Acq On : 19 Jun 2018 22:04
Operator : JU/SJ
Sample : J3249-05 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-061818-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

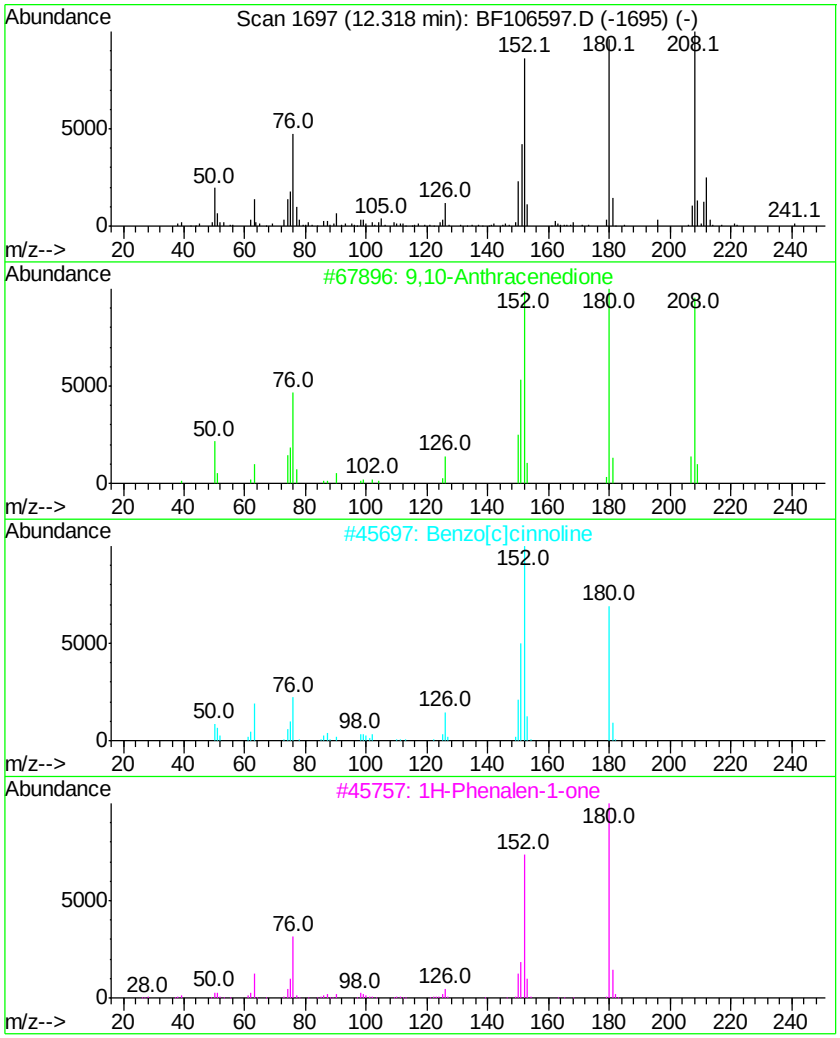
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

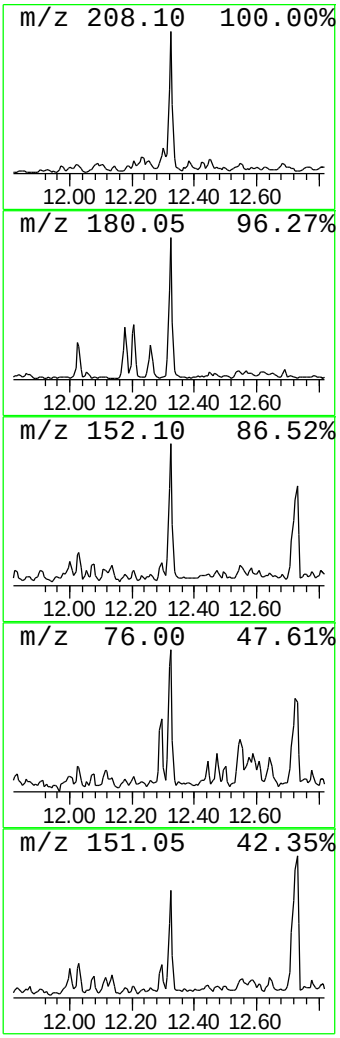
****

Peak Number 14 9,10-Anthracenedione Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.32	6.21 ng	179203	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	50
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	50
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	46
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061918\
Data File : BF106597.D
Acq On : 19 Jun 2018 22:04
Operator : JU/SJ
Sample : J3249-05 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-061818-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

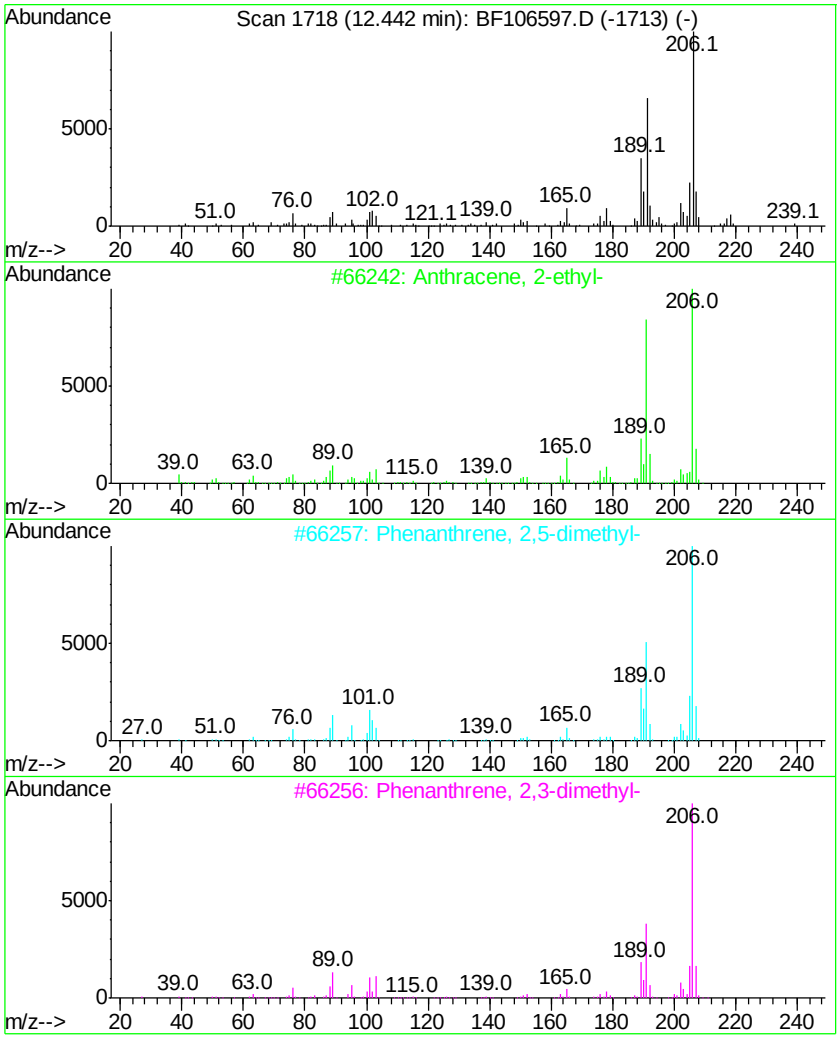
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

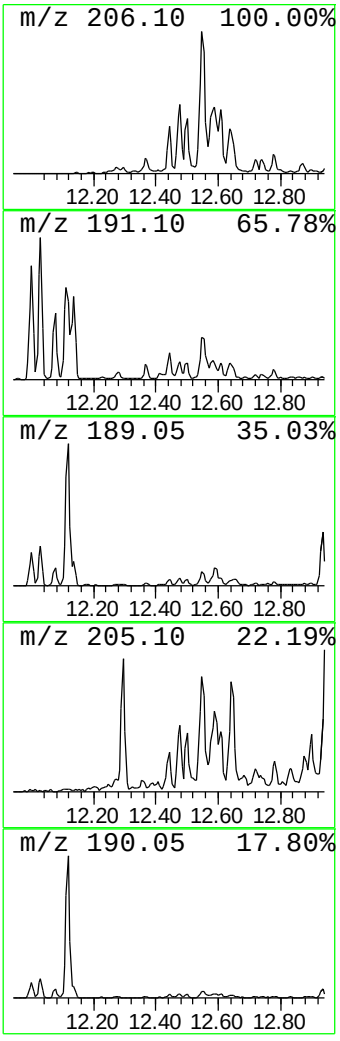
****

Peak Number 15 Anthracene, 2-ethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.44	5.30 ng	153040	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	96
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	94
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061918\
Data File : BF106597.D
Acq On : 19 Jun 2018 22:04
Operator : JU/SJ
Sample : J3249-05 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-061818-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

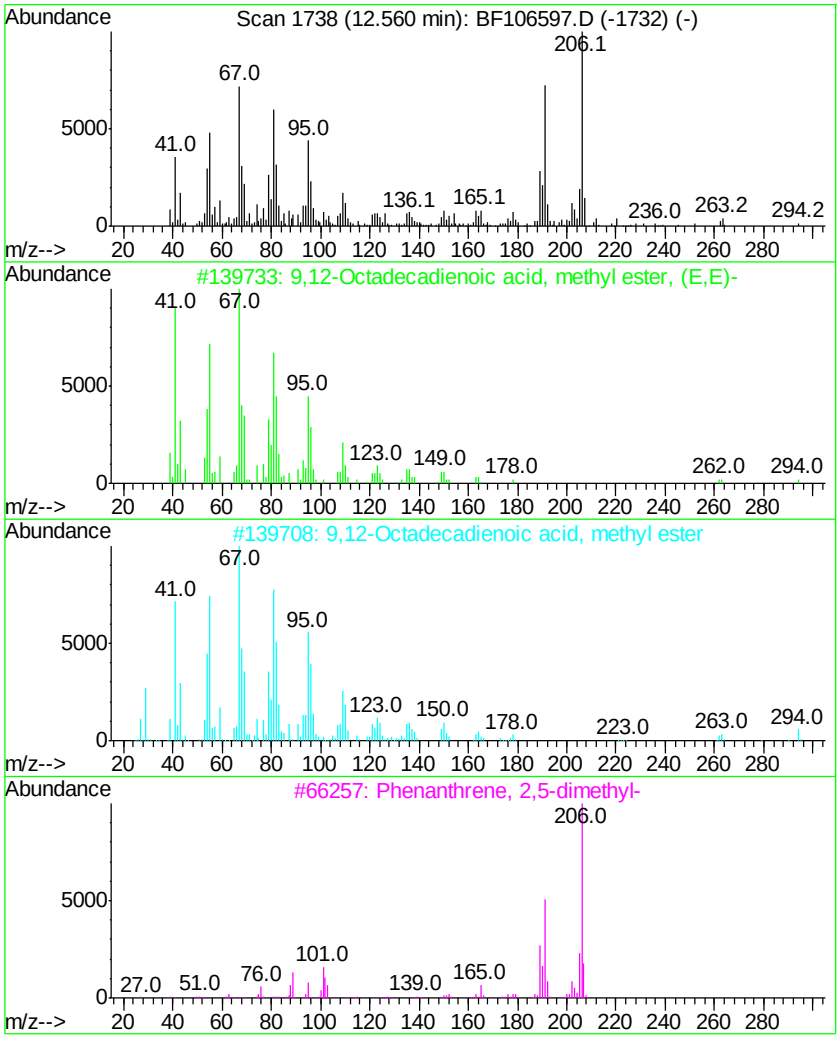
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

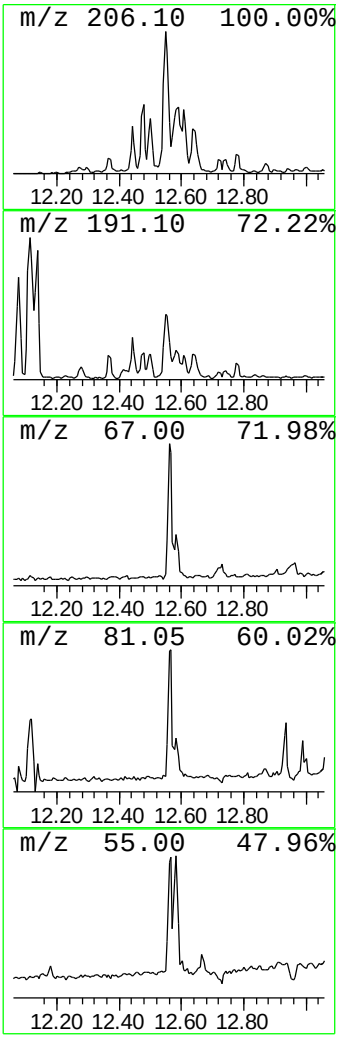
****

Peak Number 16 9,12-Octadecadienoic acid, ... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.56	22.95 ng	662455	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	95
2	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	93
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	83
4	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	74
5	11,14-Octadecadienoic acid, meth...	294	C19H34O2	056554-61-1	68





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061918\
Data File : BF106597.D
Acq On : 19 Jun 2018 22:04
Operator : JU/SJ
Sample : J3249-05 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-061818-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

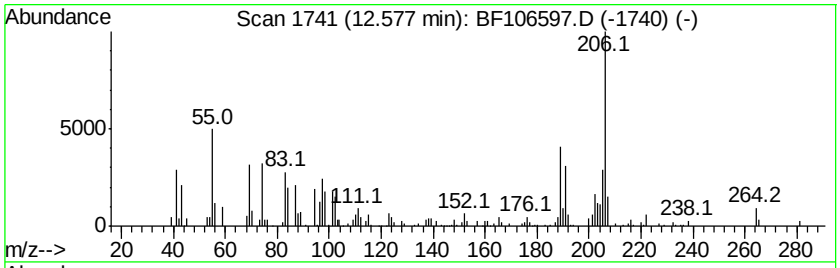
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

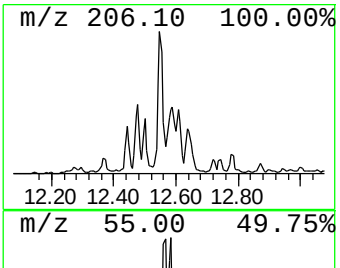
****

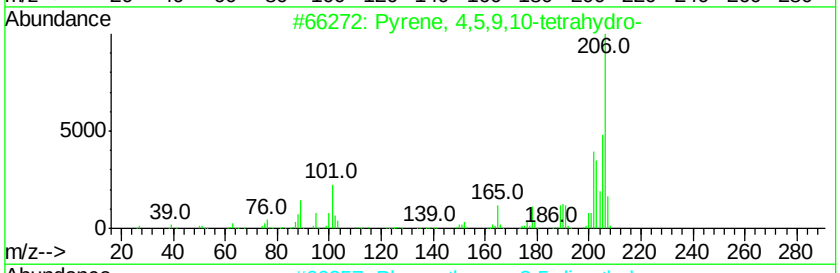
Peak Number 17 Pyrene, 4,5,9,10-tetrahydro- Concentration Rank 9

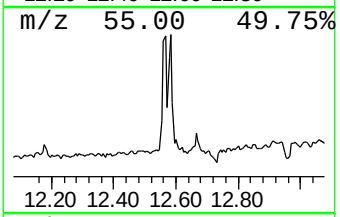
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.58	14.21 ng	410249	Phenanthrene-d10	11.50

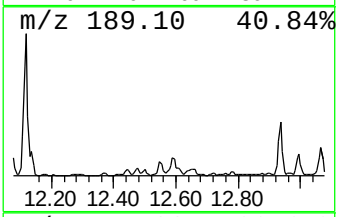
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	51
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	50
3	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	43
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	43
5	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	42

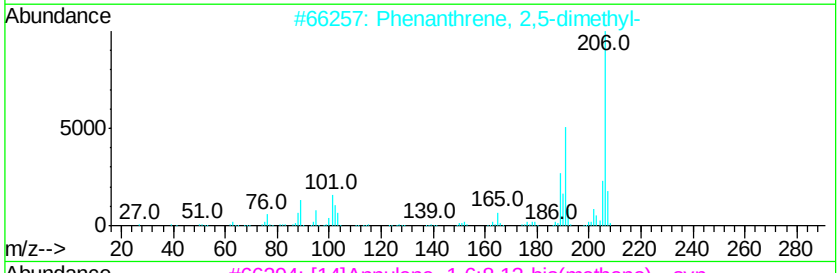


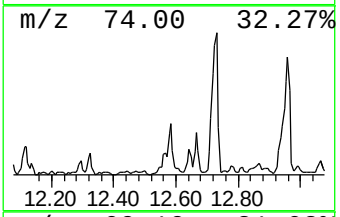


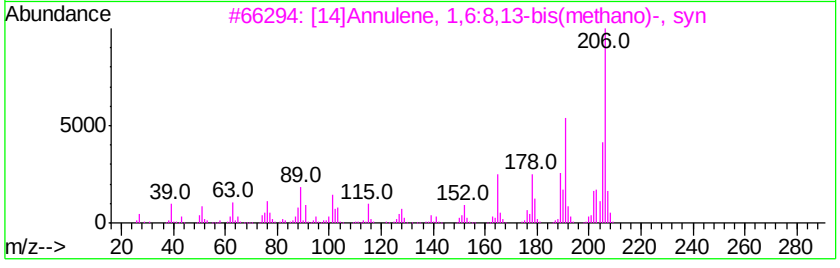


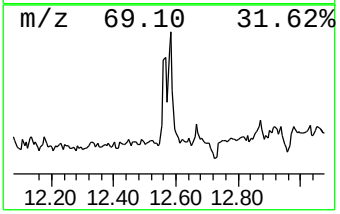












Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061918\
Data File : BF106597.D
Acq On : 19 Jun 2018 22:04
Operator : JU/SJ
Sample : J3249-05 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-01-061818-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

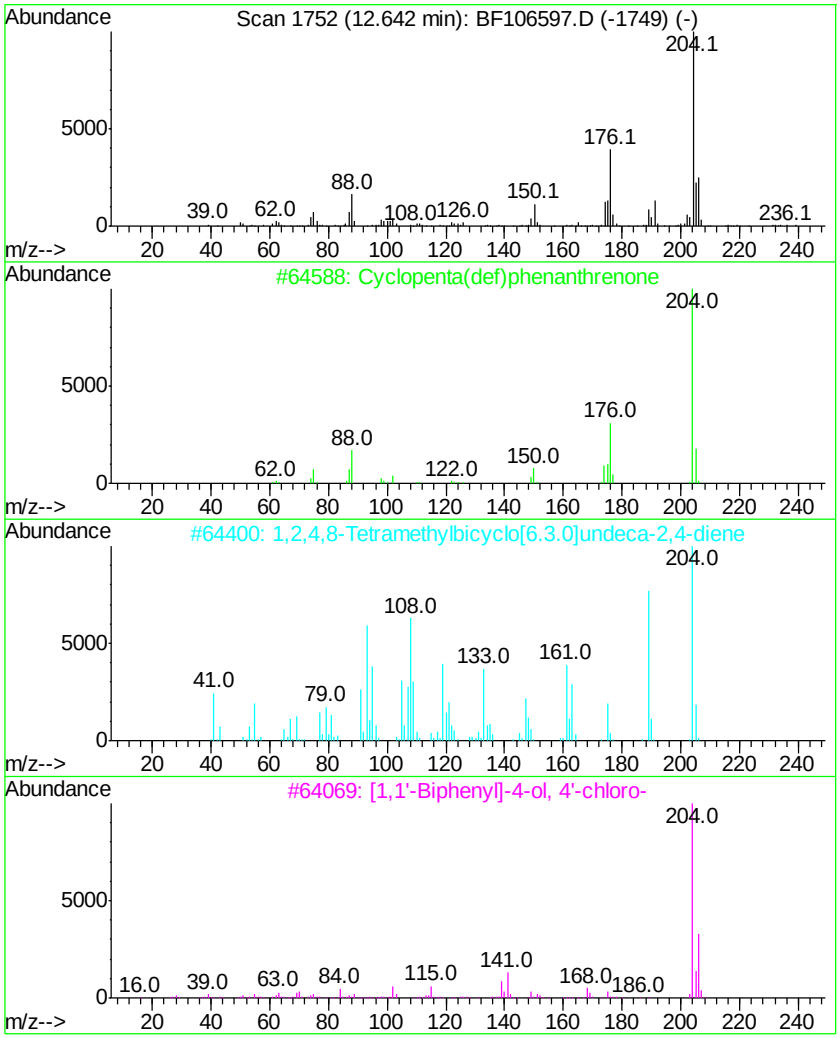
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

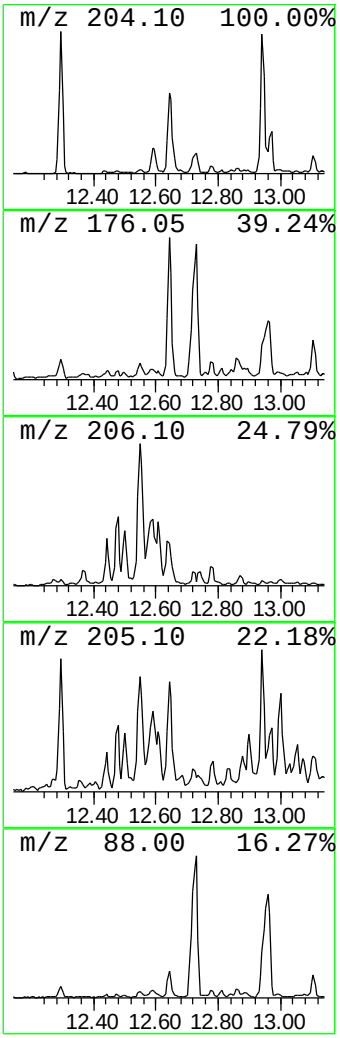
****

Peak Number 18 Cyclopenta(def)phenanthrenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.64	17.29 ng	499274	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45
3	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	43
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061918\
Data File : BF106597.D
Acq On : 19 Jun 2018 22:04
Operator : JU/SJ
Sample : J3249-05 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-061818-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

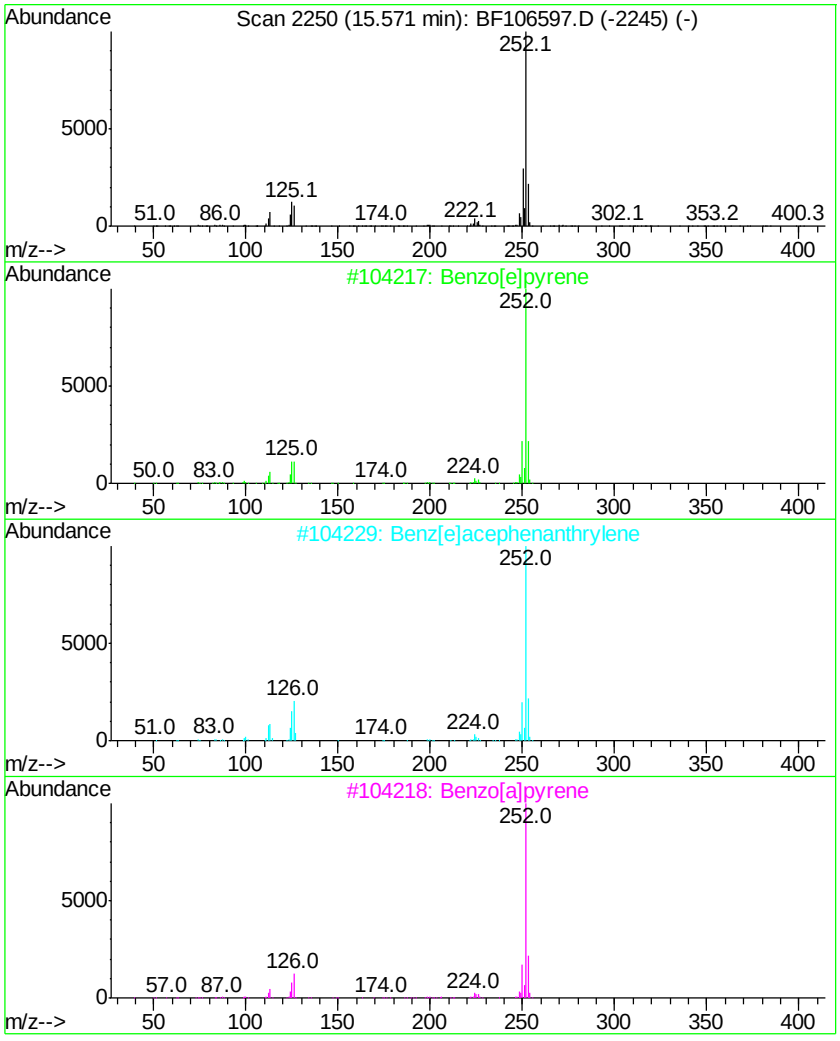
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

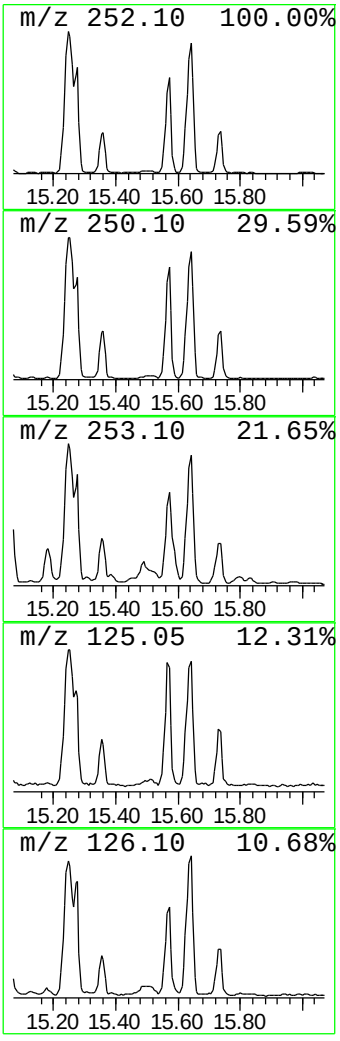
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.57	52.95 ng	1428260	Perylene-d12	15.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
3	Benzo[a]pyrene	252	C20H12	000050-32-8	95
4	Perylene	252	C20H12	000198-55-0	95
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF061918\
Data File : BF106597.D
Acq On : 19 Jun 2018 22:04
Operator : JU/SJ
Sample : J3249-05 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PL-01-061818-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.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-me...	11.10	7.5	ng	217139	4	11.50	577407	20.0
Phenol, 4-(2-phen...	11.25	5.2	ng	150401	4	11.50	577407	20.0
9H-Fluoren-9-one	11.30	6.0	ng	172198	4	11.50	577407	20.0
Benzenamine, 4-[(...	11.34	5.8	ng	168573	4	11.50	577407	20.0
Dibenzothiophene	11.40	8.0	ng	230370	4	11.50	577407	20.0
Phenanthrene, 2-m...	12.03	23.2	ng	669306	4	11.50	577407	20.0
4H-Cyclopenta[def...	12.12	40.2	ng	1161210	4	11.50	577407	20.0
Phenanthrene, 3-m...	12.14	7.8	ng	224866	4	11.50	577407	20.0
Naphthalene, 2-ph...	12.30	13.2	ng	381197	4	11.50	577407	20.0
9,10-Anthracenedione	12.32	6.2	ng	179203	4	11.50	577407	20.0
Anthracene, 2-ethyl-	12.44	5.3	ng	153040	4	11.50	577407	20.0
9,12-Octadecadien...	12.56	22.9	ng	662455	4	11.50	577407	20.0
Pyrene, 4,5,9,10-...	12.58	14.2	ng	410249	4	11.50	577407	20.0
Cyclopenta(def)ph...	12.64	17.3	ng	499274	4	11.50	577407	20.0
Benzo[e]pyrene	15.57	53.0	ng	1428260	6	15.70	539511	20.0