LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040620\
Data File : BF119818.D
Acq On : 7 Apr 2020 13:28
Operator : MA/SJ
Sample : L2117-01
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-040220

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-BF031820.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	5.392	557	562	565	rBV	3413951	3025010	86.42%	4.446%
2	6.416	731	736	739	rBV	3319075	2988196	85.37%	4.392%
3	6.781	795	798	802	rBV	967405	828259	23.66%	1.217%
4	6.939	821	825	828	rBV	2975042	2411674	68.90%	3.544%
5	7.345	884	894	897	rBV	2070695	1900747	54.30%	2.794%
6	8.069	1012	1017	1020	rBV	1316862	1140863	32.59%	1.677%
7	8.780	1136	1138	1142	rVB	202236	165597	4.73%	0.243%
8	8.880	1151	1155	1160	rBV	287544	262513	7.50%	0.386%
9	9.151	1196	1201	1204	rBV	3969667	3314721	94.70%	4.872%
10	9.233	1211	1215	1219	rBV2	119735	167636	4.79%	0.246%
11	9.416	1241	1246	1249	rVV	271905	370252	10.58%	0.544%
12	9.486	1254	1258	1260	rVV	530834	484118	13.83%	0.712%
13	9.510	1260	1262	1265	rVV	301677	270157	7.72%	0.397%
14	9.545	1265	1268	1272	rVV2	610374	675596	19.30%	0.993%
15	9.604	1275	1278	1283	rVB	255057	279073	7.97%	0.410%
16	9.686	1289	1292	1297	rVB	624301	490550	14.02%	0.721%
17	9.827	1310	1316	1319	rBV	1385056	1233344	35.24%	1.813%
18	9.857	1319	1321	1325	rVV	300265	274070	7.83%	0.403%
19	9.933	1330	1334	1338	rBV2	169722	218622	6.25%	0.321%
20	10.027	1346	1350	1354	rVB	401584	412982	11.80%	0.607%
21	10.069	1354	1357	1360	rBV	329970	263852	7.54%	0.388%
22	10.145	1365	1370	1373	rBV2	300784	339520	9.70%	0.499%
23	10.174	1373	1375	1377	rVV	247242	188816	5.39%	0.278%
24	10.233	1381	1385	1387	rVV2	192056	267487	7.64%	0.393%
25	10.251	1387	1388	1392	rVV2	160238	202468	5.78%	0.298%
26	10.327	1396	1401	1403	rVV3	140059	203085	5.80%	0.298%
27	10.374	1406	1409	1415	rVV2	653117	699807	19.99%	1.028%
28	10.439	1415	1420	1422	rVV2	178897	258427	7.38%	0.380%
29	10.463	1422	1424	1426	rVV3	137258	150617	4.30%	0.221%
30	10.486	1426	1428	1433	rVV3	248578	283686	8.10%	0.417%
31	10.533	1433	1436	1445	rVV3	217296	352896	10.08%	0.519%
32	10.616	1445	1450	1454	rVV	2398396	2131544	60.90%	3.133%
33	10.651	1454	1456	1463	rVB2	88342	134374	3.84%	0.197%
34	10.739	1468	1471	1478	rVB3	341169	431911	12.34%	0.635%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040620\
Data File : BF119818.D
Acq On : 7 Apr 2020 13:28
Operator : MA/SJ
Sample : L2117-01
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-040220

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-BF031820.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.921	1498	1502	1505	rBV2	319693	413129	11.80%	0.607%
36	10.951	1505	1507	1510	rVV2	276933	250549	7.16%	0.368%
37	11.010	1514	1517	1519	rVB	216454	189088	5.40%	0.278%
38	11.057	1519	1525	1527	rBV4	106753	200191	5.72%	0.294%
39	11.074	1527	1528	1531	rVV2	154691	127470	3.64%	0.187%
40	11.163	1540	1543	1545	rVV3	124702	135485	3.87%	0.199%
41	11.186	1545	1547	1549	rVV	156036	151038	4.32%	0.222%
42	11.210	1549	1551	1556	rVB2	360663	393927	11.25%	0.579%
43	11.316	1565	1569	1571	rBV	1185734	1073459	30.67%	1.578%
44	11.345	1571	1574	1577	rVV	2860300	2616752	74.76%	3.846%
45	11.392	1577	1582	1585	rVB	972361	811252	23.18%	1.192%
46	11.427	1585	1588	1591	rBV2	246000	288095	8.23%	0.423%
47	11.545	1605	1608	1611	rBV2	126408	139012	3.97%	0.204%
48	11.616	1617	1620	1622	rVV	229468	159282	4.55%	0.234%
49	11.645	1622	1625	1629	rVB	342375	291352	8.32%	0.428%
50	11.727	1636	1639	1644	rVB	235290	279321	7.98%	0.411%
51	11.821	1651	1655	1657	rVV	1084645	1014592	28.99%	1.491%
52	11.845	1657	1659	1664	rVV	1526360	1392266	39.78%	2.046%
53	11.892	1664	1667	1670	rVV	459651	417194	11.92%	0.613%
54	11.933	1670	1674	1676	rVV2	1417809	1640135	46.86%	2.410%
55	11.951	1676	1677	1682	rVB	834372	665168	19.00%	0.978%
56	12.021	1687	1689	1692	rVV2	147416	130054	3.72%	0.191%
57	12.051	1692	1694	1697	rVB2	199181	156803	4.48%	0.230%
58	12.116	1699	1705	1707	rBV3	430168	484787	13.85%	0.712%
59	12.139	1707	1709	1715	rVB3	184545	261471	7.47%	0.384%
60	12.245	1725	1727	1728	rBV	178445	140109	4.00%	0.206%
61	12.263	1728	1730	1733	rVV	262709	255041	7.29%	0.375%
62	12.298	1733	1736	1738	rVV	402129	403818	11.54%	0.593%
63	12.321	1738	1740	1742	rVB	297987	238244	6.81%	0.350%
64	12.368	1745	1748	1751	rBV	861439	919585	26.27%	1.352%
65	12.410	1751	1755	1757	rVV3	645945	877326	25.07%	1.289%
66	12.457	1760	1763	1767	rBV2	355137	532173	15.20%	0.782%
67	12.533	1772	1776	1779	rBV	2983989	2675195	76.43%	3.932%
68	12.580	1781	1784	1785	rVV	165619	153686	4.39%	0.226%
69	12.627	1789	1792	1795	rBV2	232010	238862	6.82%	0.351%
70	12.686	1799	1802	1805	rVV3	156036	172287	4.92%	0.253%
71	12.763	1809	1815	1818	rBV	3127934	3500158	100.00%	5.144%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040620\
Data File : BF119818.D
Acq On : 7 Apr 2020 13:28
Operator : MA/SJ
Sample : L2117-01
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-040220

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-BF031820.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.821	1821	1825	1828	rVB2	323694	359505	10.27%	0.528%
73	12.874	1832	1834	1836	rBV2	174989	156952	4.48%	0.231%
74	12.910	1836	1840	1846	rVB	2892484	2933378	83.81%	4.311%
75	12.980	1848	1852	1856	rBV2	439931	643012	18.37%	0.945%
76	13.033	1859	1861	1864	rBV2	172319	168374	4.81%	0.247%
77	13.068	1864	1867	1868	rBV2	283977	299322	8.55%	0.440%
78	13.092	1868	1871	1874	rVB	812202	768115	21.95%	1.129%
79	13.157	1877	1882	1885	rVB2	684688	703083	20.09%	1.033%
80	13.192	1885	1888	1892	rBV2	604921	623037	17.80%	0.916%
81	13.286	1901	1904	1907	rBV	457937	374088	10.69%	0.550%
82	13.315	1907	1909	1913	rVB	538285	473033	13.51%	0.695%
83	13.392	1919	1922	1927	rVB5	155394	229285	6.55%	0.337%
84	13.492	1936	1939	1941	rBV2	210264	251401	7.18%	0.369%
85	13.574	1951	1953	1955	rBV2	147177	165539	4.73%	0.243%
86	13.710	1972	1976	1979	rBV2	323212	456936	13.05%	0.672%
87	13.739	1979	1981	1983	rVB	302185	216310	6.18%	0.318%
88	13.762	1983	1985	1990	rBV2	178790	288702	8.25%	0.424%
89	13.815	1991	1994	1997	rVB2	409029	403255	11.52%	0.593%
90	13.880	2003	2005	2008	rBV	130792	157142	4.49%	0.231%
91	13.957	2014	2018	2021	rBV2	1706585	2342850	66.94%	3.443%
92	13.986	2021	2023	2029	rVB	1302991	1201460	34.33%	1.766%
93	14.351	2083	2085	2087	rVB	499860	360074	10.29%	0.529%
94	14.380	2088	2090	2093	rVV	287178	247595	7.07%	0.364%
95	14.439	2098	2100	2103	rVB3	408316	353725	10.11%	0.520%
96	14.474	2104	2106	2108	rVV	222596	177496	5.07%	0.261%
97	14.998	2191	2195	2197	rBV	681758	975013	27.86%	1.433%
98	15.292	2242	2245	2250	rVB	543729	671676	19.19%	0.987%
99	15.351	2251	2255	2261	rBV	742251	914267	26.12%	1.344%
100	15.415	2262	2266	2268	rBV	445568	516074	14.74%	0.758%

Sum of corrected areas: 68041525

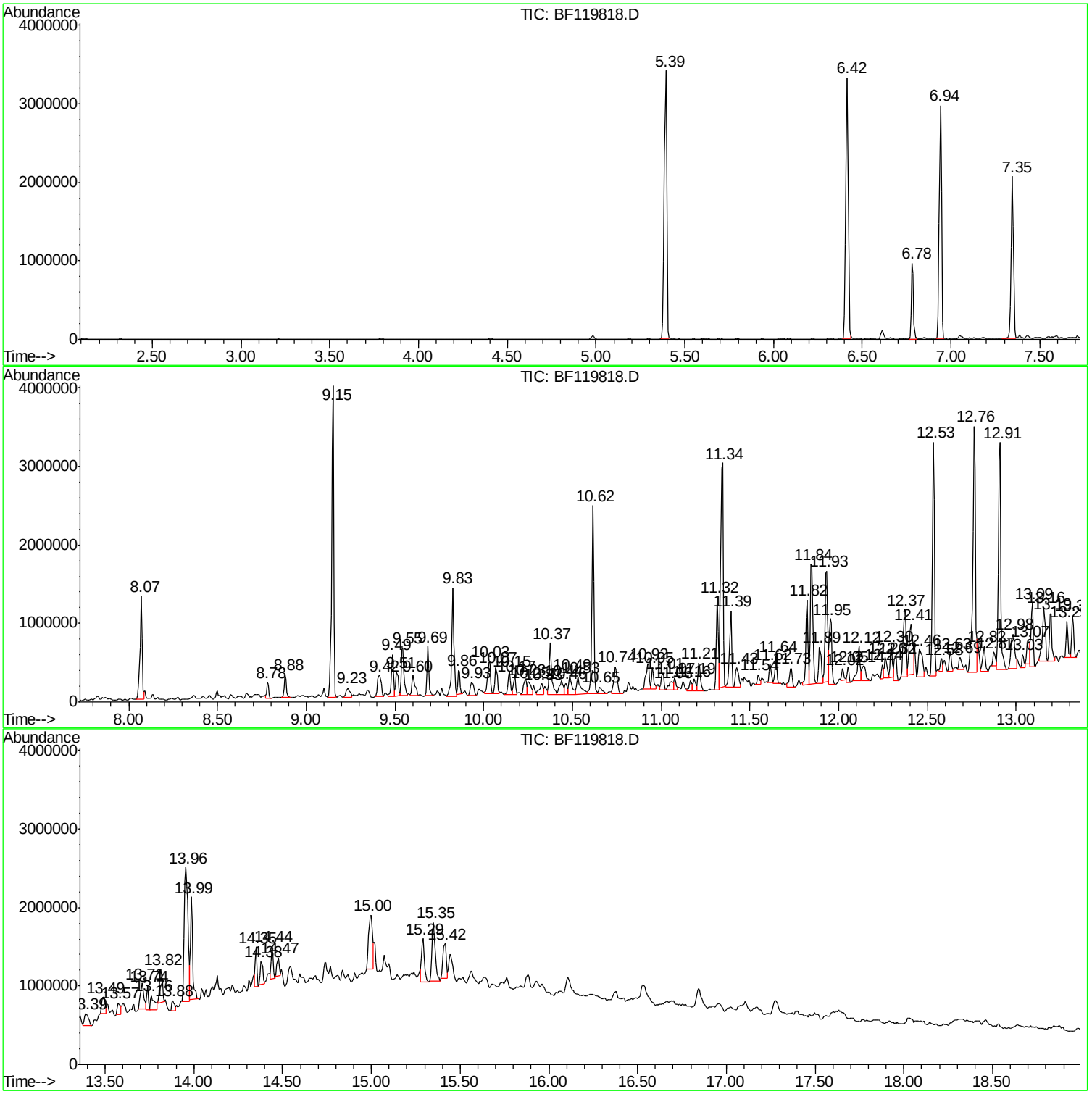
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040620\
Data File : BF119818.D
Acq On : 7 Apr 2020 13:28
Operator : MA/SJ
Sample : L2117-01
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-040220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040620\
Data File : BF119818.D
Acq On : 7 Apr 2020 13:28
Operator : MA/SJ
Sample : L2117-01
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-040220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

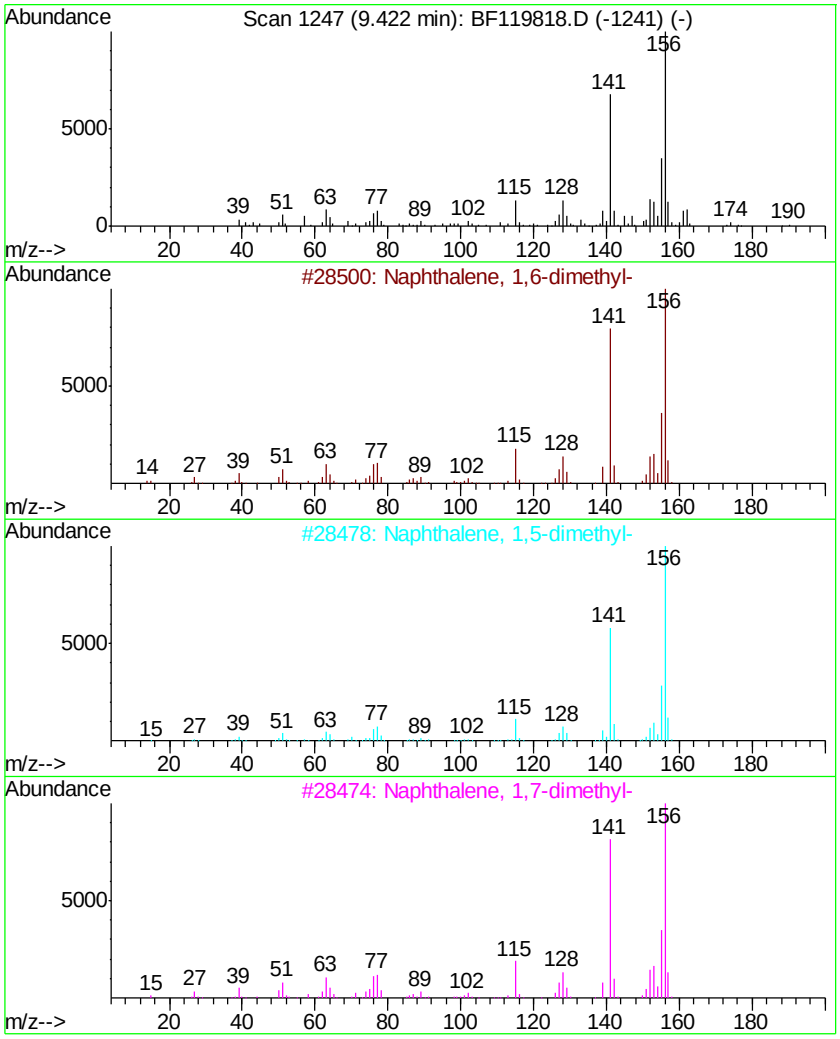
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

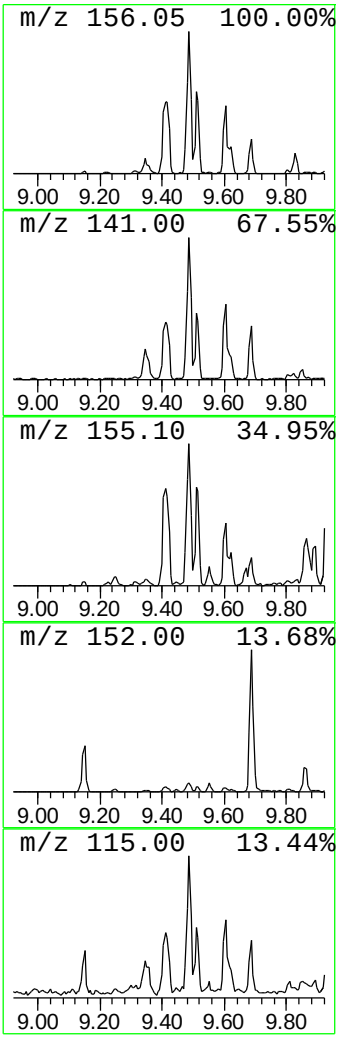
****

Peak Number 2 Naphthalene, 1,6-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.42	6.00 ng	370252	Acenaphthene-d10	9.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
5	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040620\
Data File : BF119818.D
Acq On : 7 Apr 2020 13:28
Operator : MA/SJ
Sample : L2117-01
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-040220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

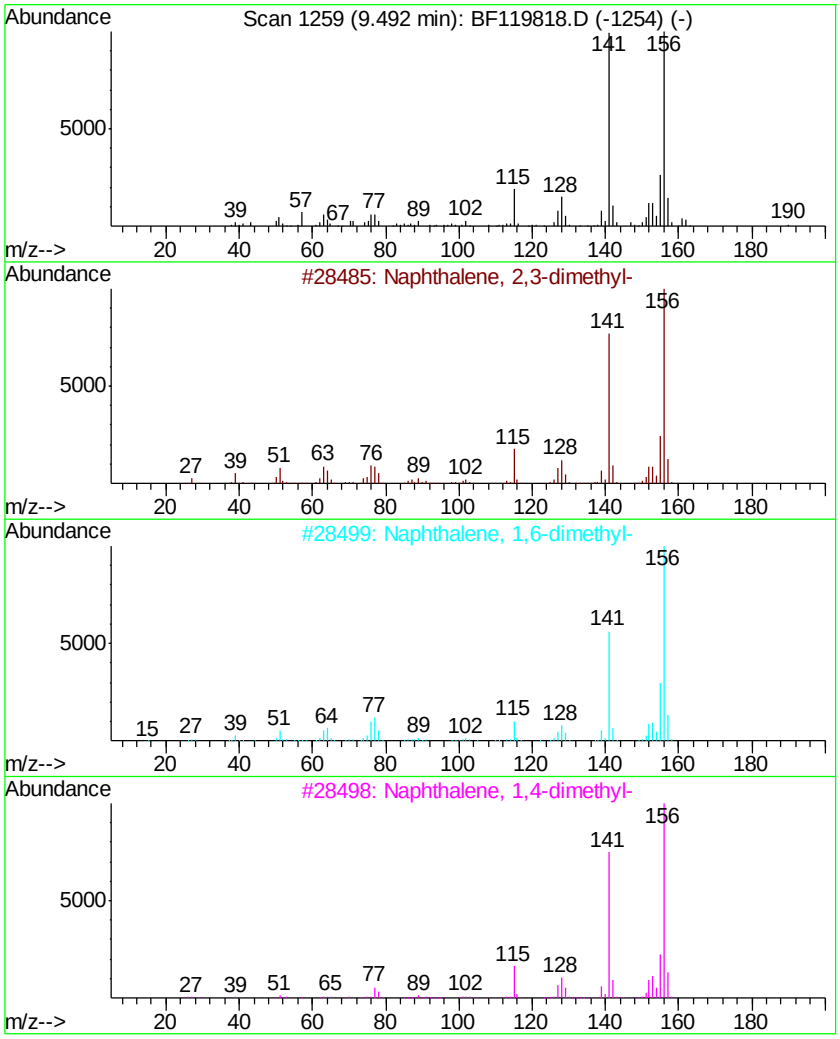
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

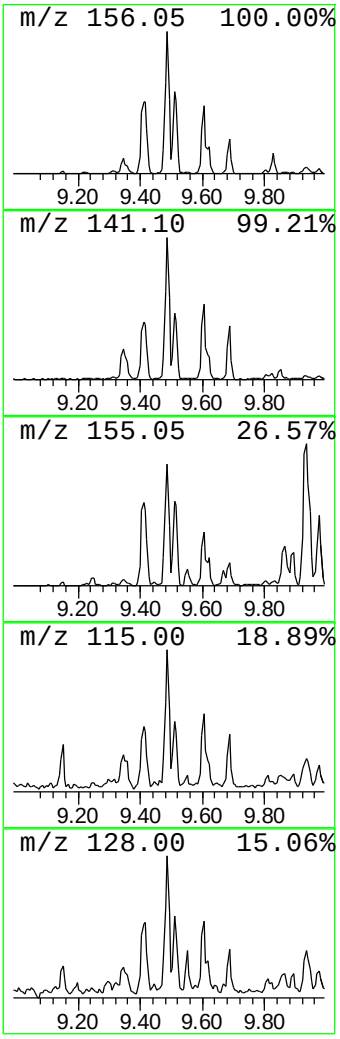
****

Peak Number 3 Naphthalene, 2,3-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.49	7.85 ng	484118	Acenaphthene-d10	9.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040620\
Data File : BF119818.D
Acq On : 7 Apr 2020 13:28
Operator : MA/SJ
Sample : L2117-01
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-040220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

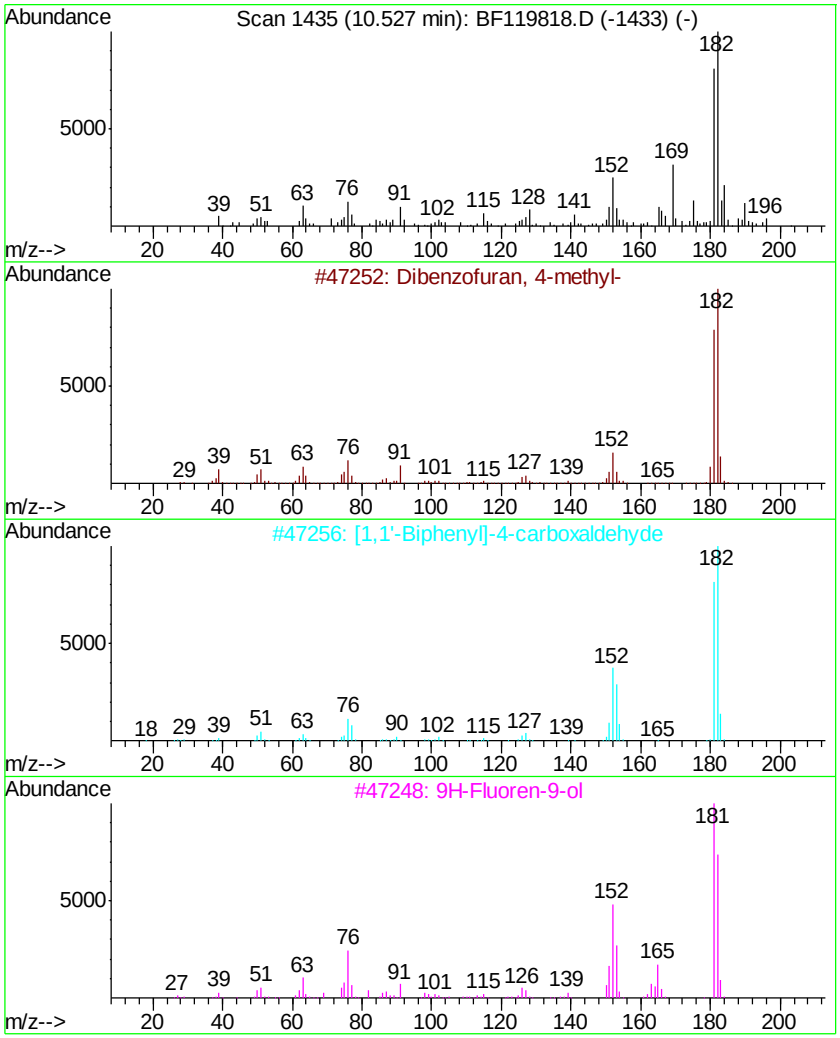
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

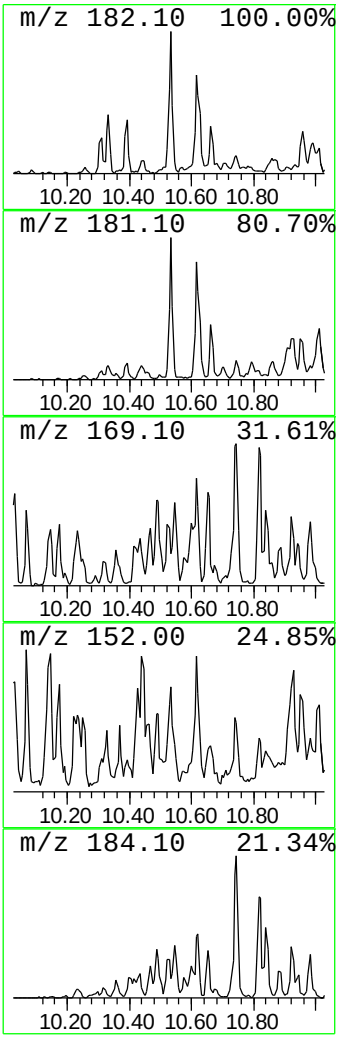
****

Peak Number 4 Dibenzofuran, 4-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.53	5.72 ng	352896	Acenaphthene-d10	9.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	87
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	74
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
4	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72
5	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040620\
Data File : BF119818.D
Acq On : 7 Apr 2020 13:28
Operator : MA/SJ
Sample : L2117-01
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-040220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

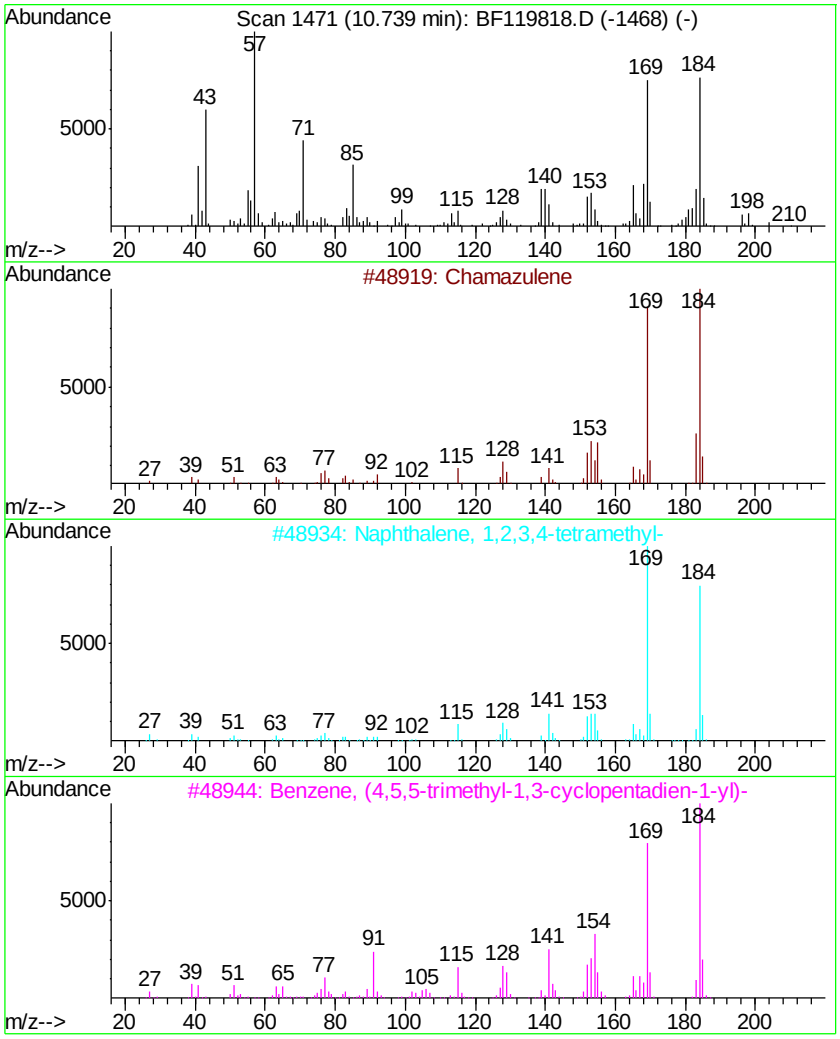
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

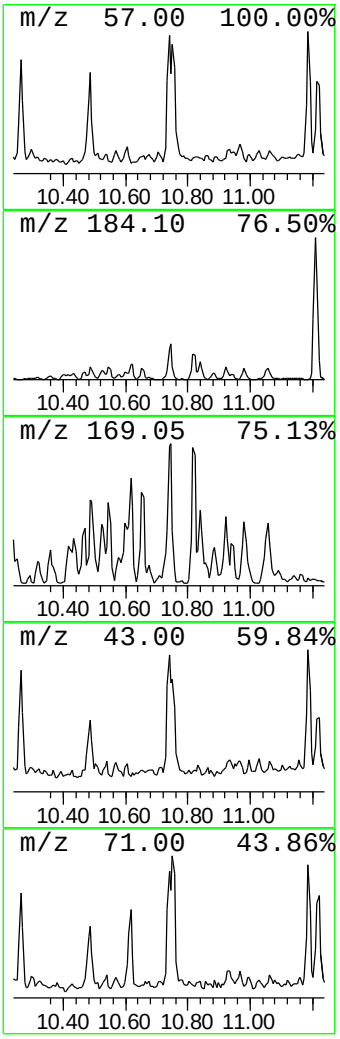
****

Peak Number 5 Chamazulene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.74	8.05 ng	431911	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chamazulene	184	C14H16	000529-05-5	78
2	Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	70
3	Benzene, (4,5,5-trimethyl-1,3-cy...	184	C14H16	033930-85-7	60
4	1,4,5,8-Tetramethylnaphthalene	184	C14H16	002717-39-7	60
5	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	49





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040620\
Data File : BF119818.D
Acq On : 7 Apr 2020 13:28
Operator : MA/SJ
Sample : L2117-01
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-040220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

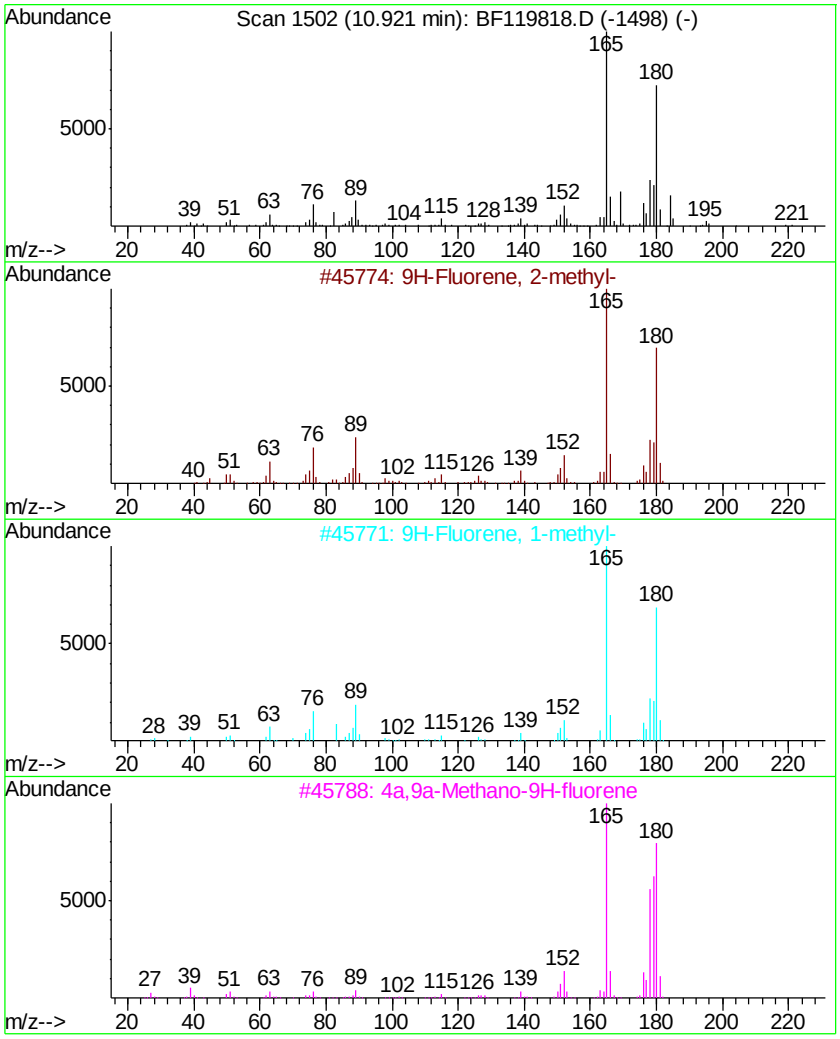
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

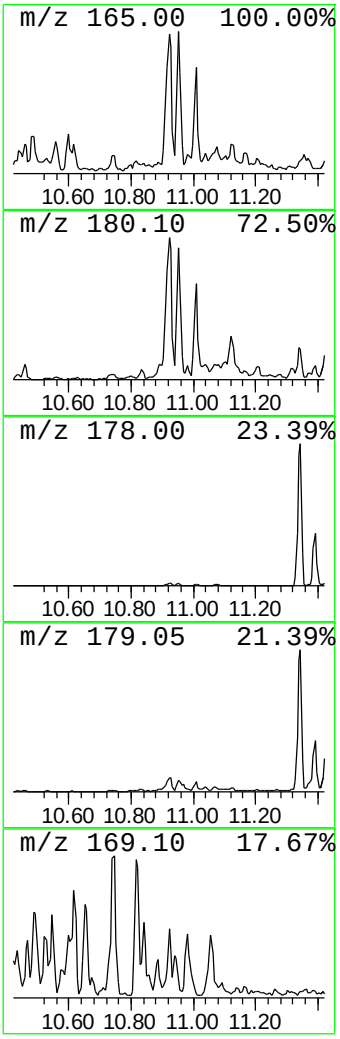
****

Peak Number 6 9H-Fluorene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.92	7.70 ng	413129	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
3	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	83
4	(3H)Benzo[c]pyrrole, 3-methyl-3-...	208	C14H12N2	059341-20-7	72
5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	70





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040620\
Data File : BF119818.D
Acq On : 7 Apr 2020 13:28
Operator : MA/SJ
Sample : L2117-01
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-040220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

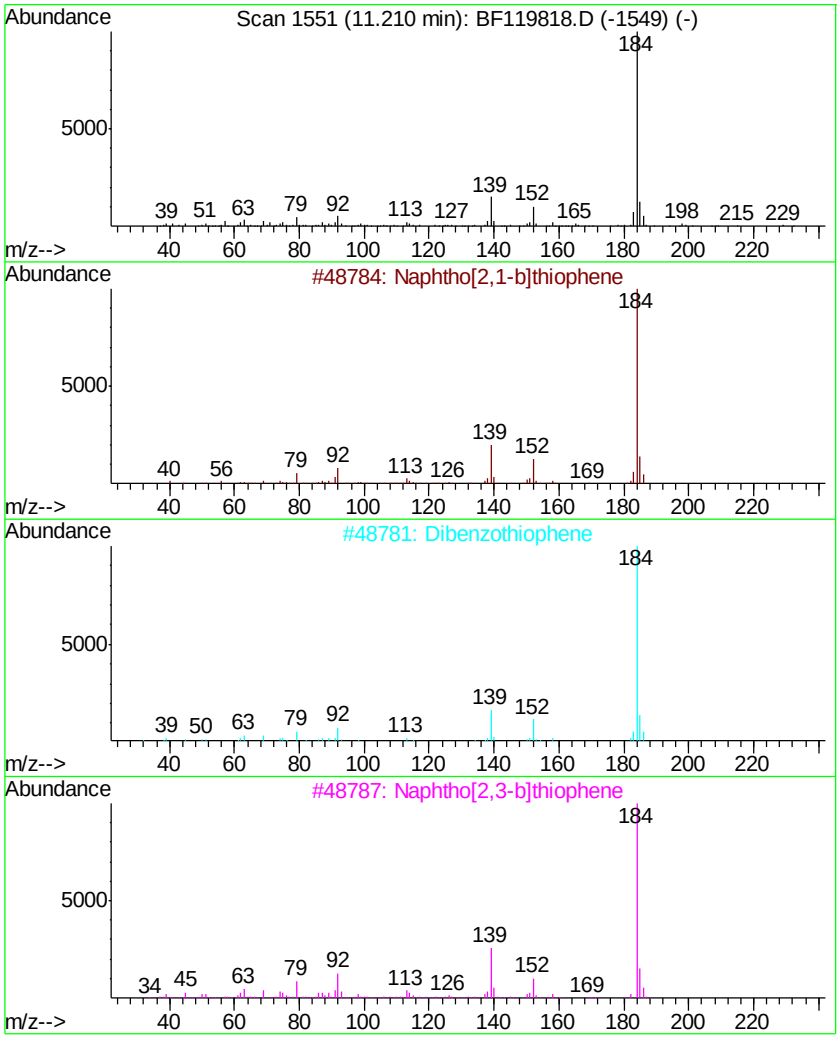
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

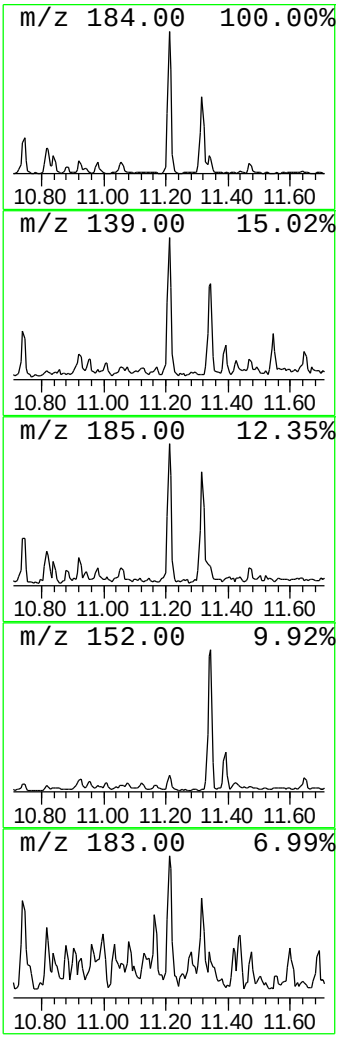
****

Peak Number 7 Naphtho[2,1-b]thiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.21	7.34 ng	393927	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
2	Dibenzothiophene	184	C12H8S	000132-65-0	94
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	Thianthrene, 5-oxide	232	C12H8OS2	002362-50-7	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040620\
Data File : BF119818.D
Acq On : 7 Apr 2020 13:28
Operator : MA/SJ
Sample : L2117-01
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-040220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

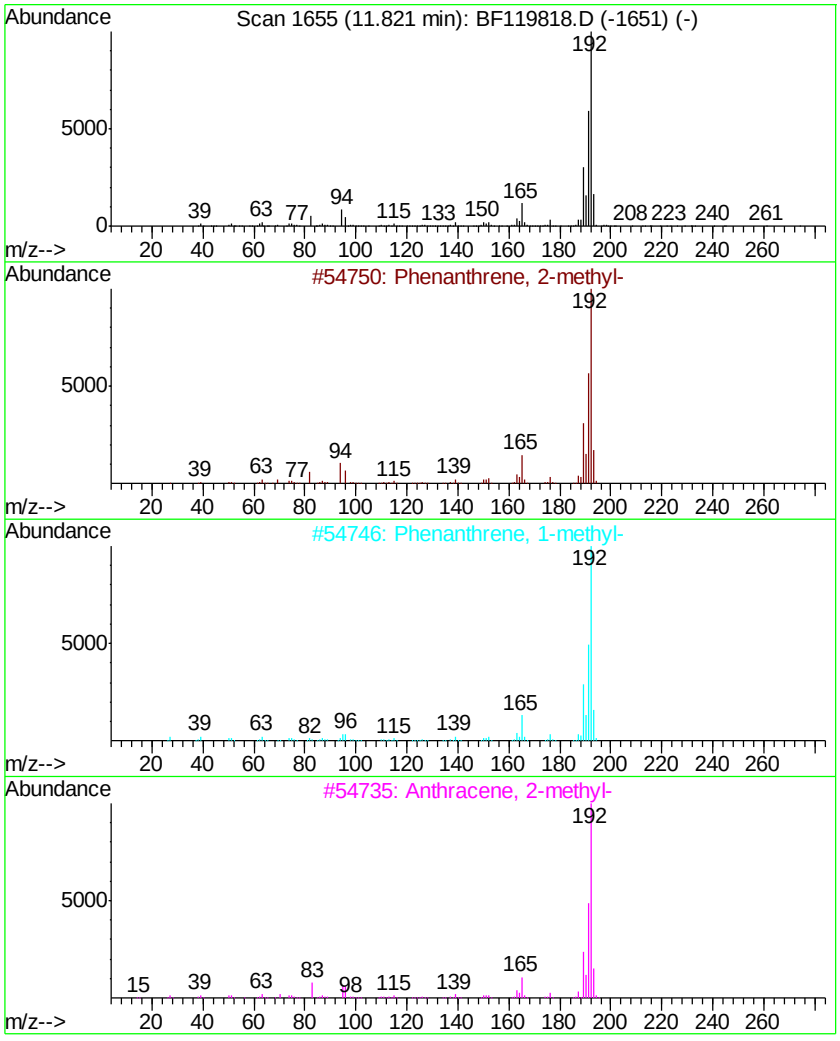
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

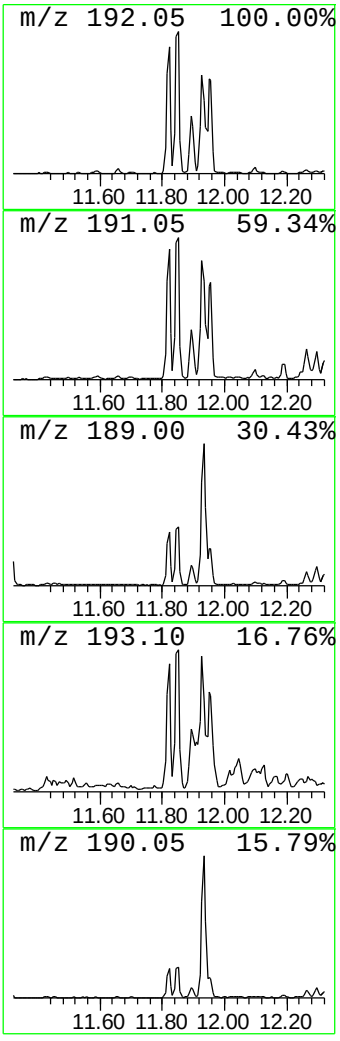
****

Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	18.90 ng	1014590	Phenanthrene-d10	11.32

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	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040620\
Data File : BF119818.D
Acq On : 7 Apr 2020 13:28
Operator : MA/SJ
Sample : L2117-01
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-040220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

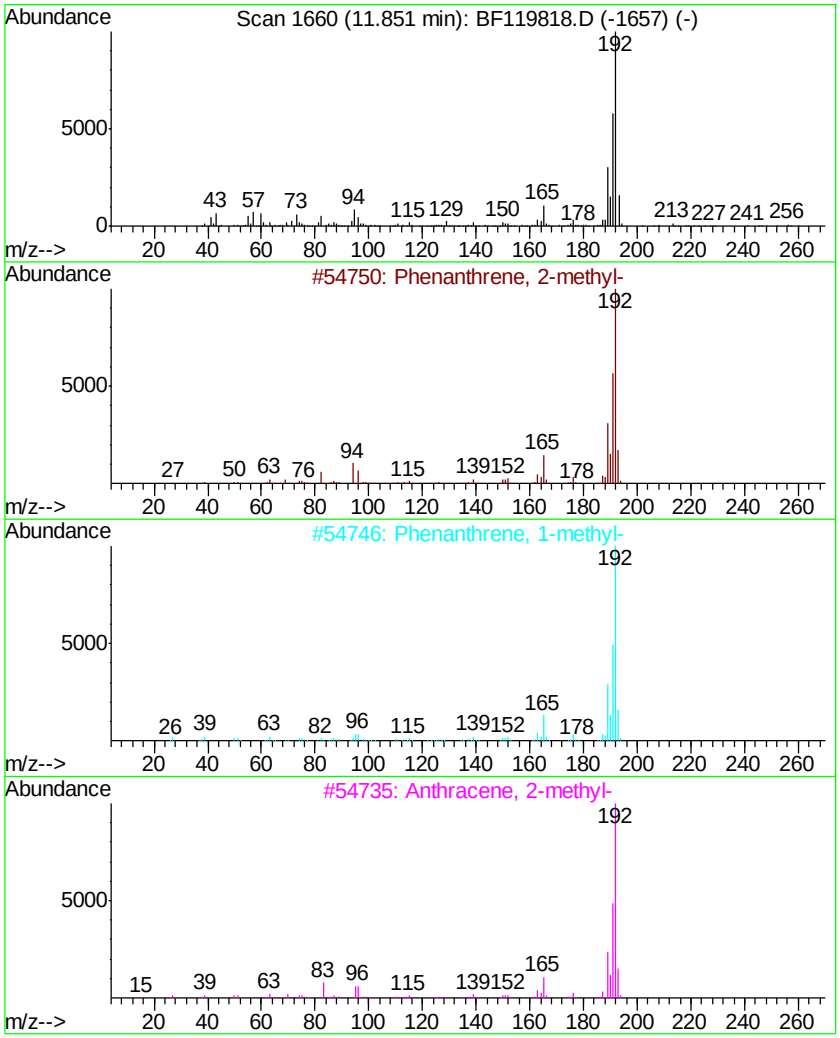
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

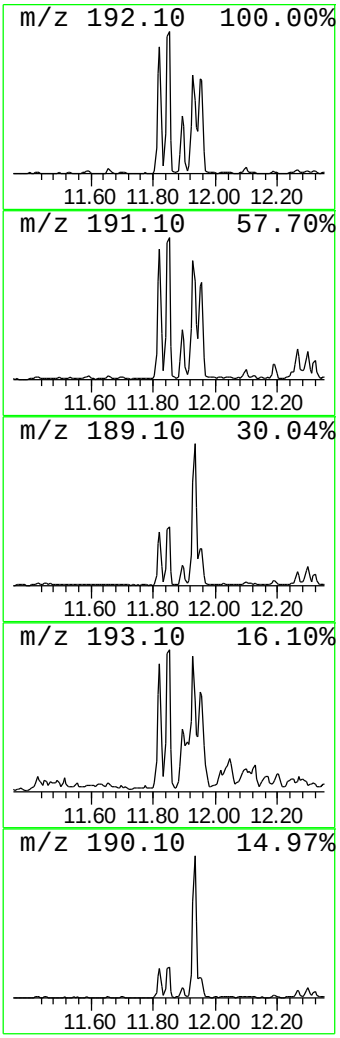
****

Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	25.94 ng	1392270	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040620\
Data File : BF119818.D
Acq On : 7 Apr 2020 13:28
Operator : MA/SJ
Sample : L2117-01
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-040220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

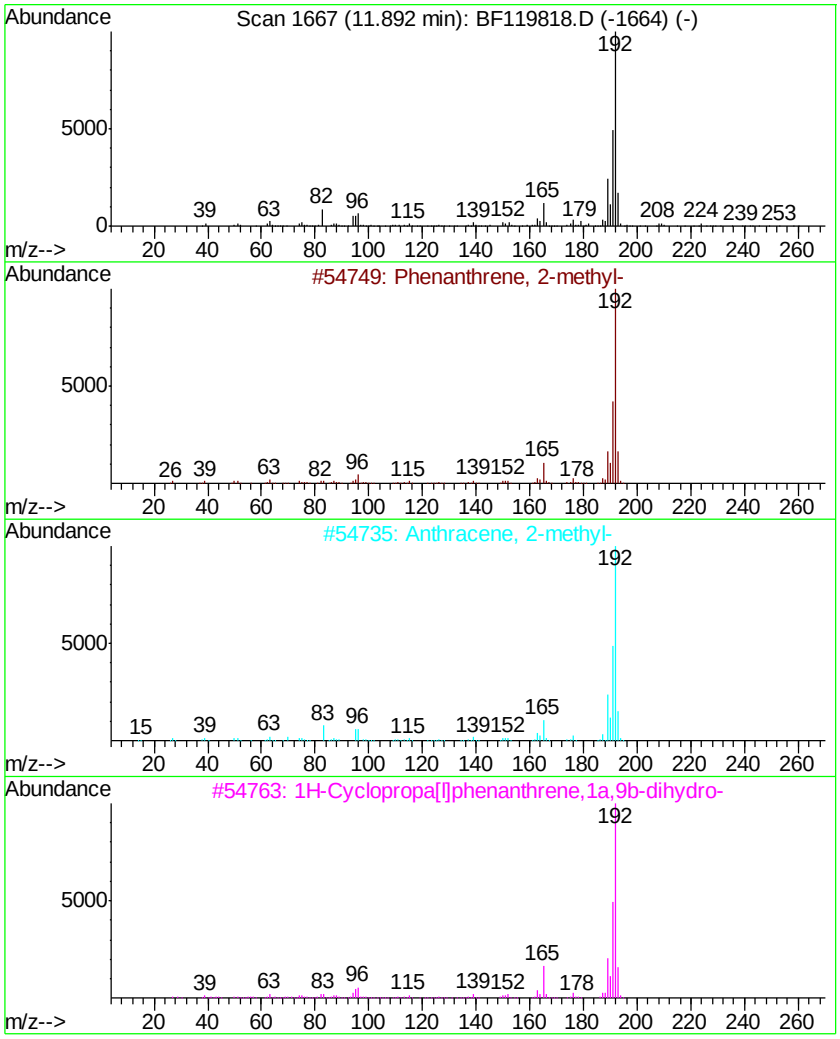
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

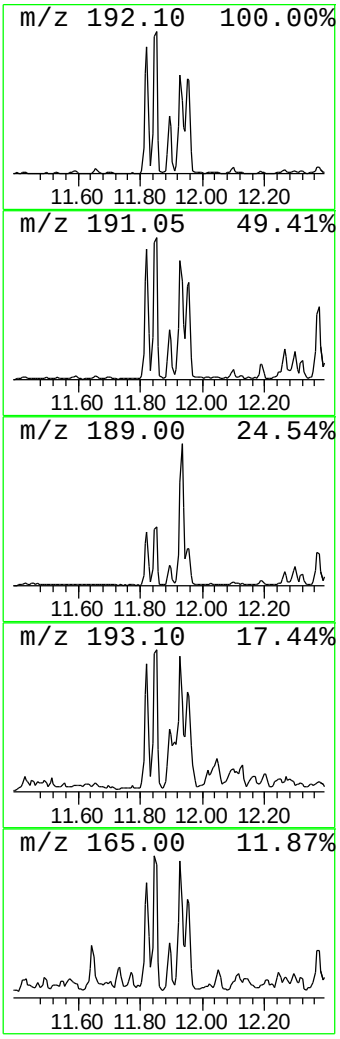
****

Peak Number 10 Anthracene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	7.77 ng	417194	Phenanthrene-d10	11.32

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





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040620\
Data File : BF119818.D
Acq On : 7 Apr 2020 13:28
Operator : MA/SJ
Sample : L2117-01
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-040220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

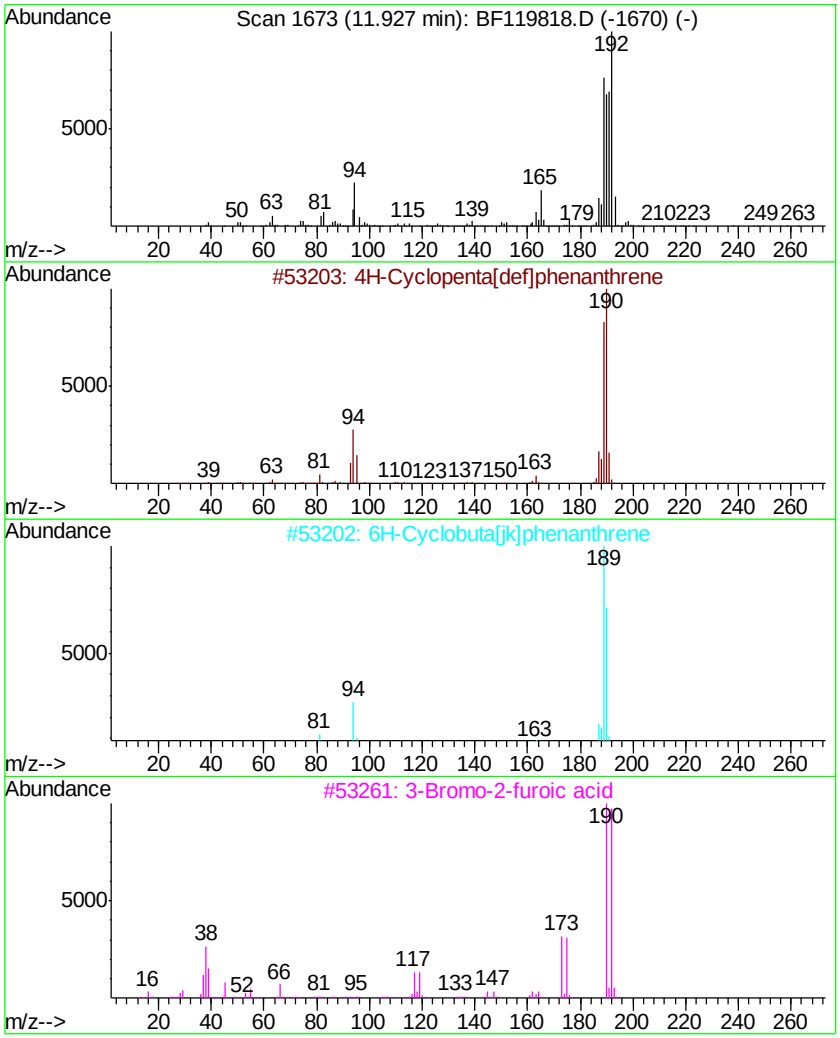
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

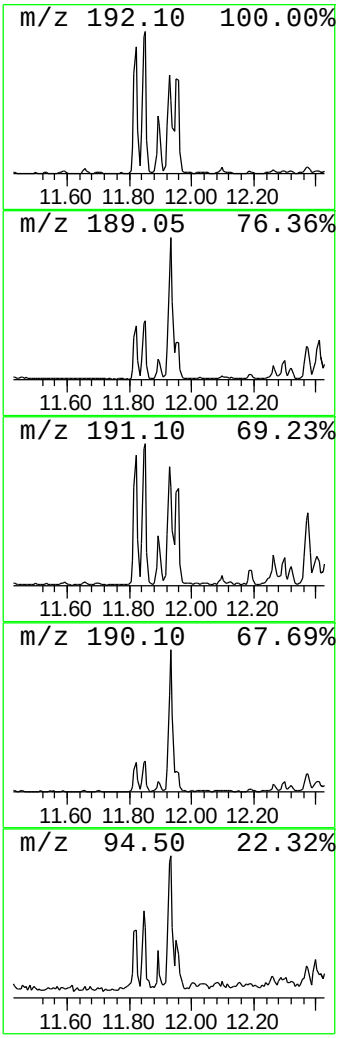
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	30.56 ng	1640140	Phenanthrene-d10	11.32

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	42
3	3-Bromo-2-furoic acid	190	C5H3BrO3	014903-90-3	27
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	20
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	18





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040620\
Data File : BF119818.D
Acq On : 7 Apr 2020 13:28
Operator : MA/SJ
Sample : L2117-01
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-040220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

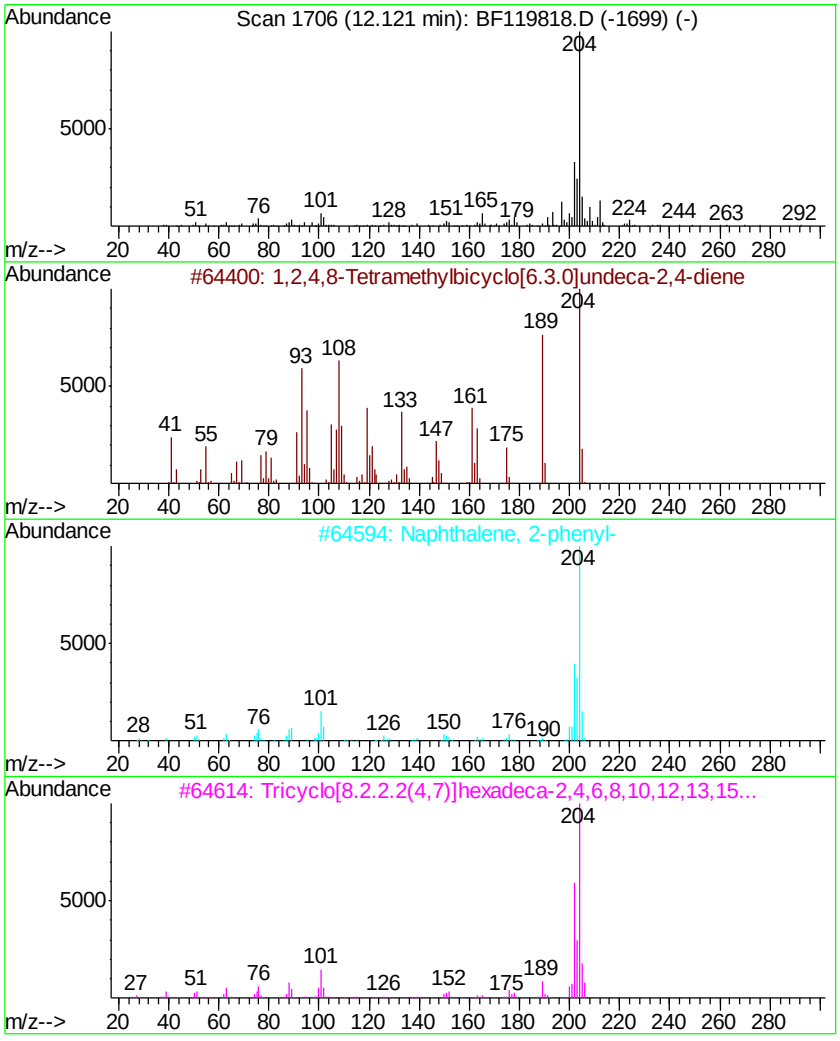
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

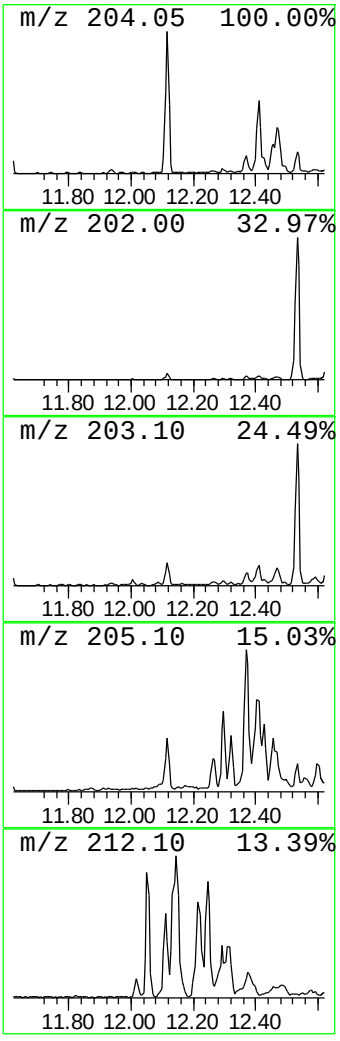
****

Peak Number 13 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	9.03 ng	484787	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	89
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	86
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	74
5	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	53





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040620\
Data File : BF119818.D
Acq On : 7 Apr 2020 13:28
Operator : MA/SJ
Sample : L2117-01
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-040220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

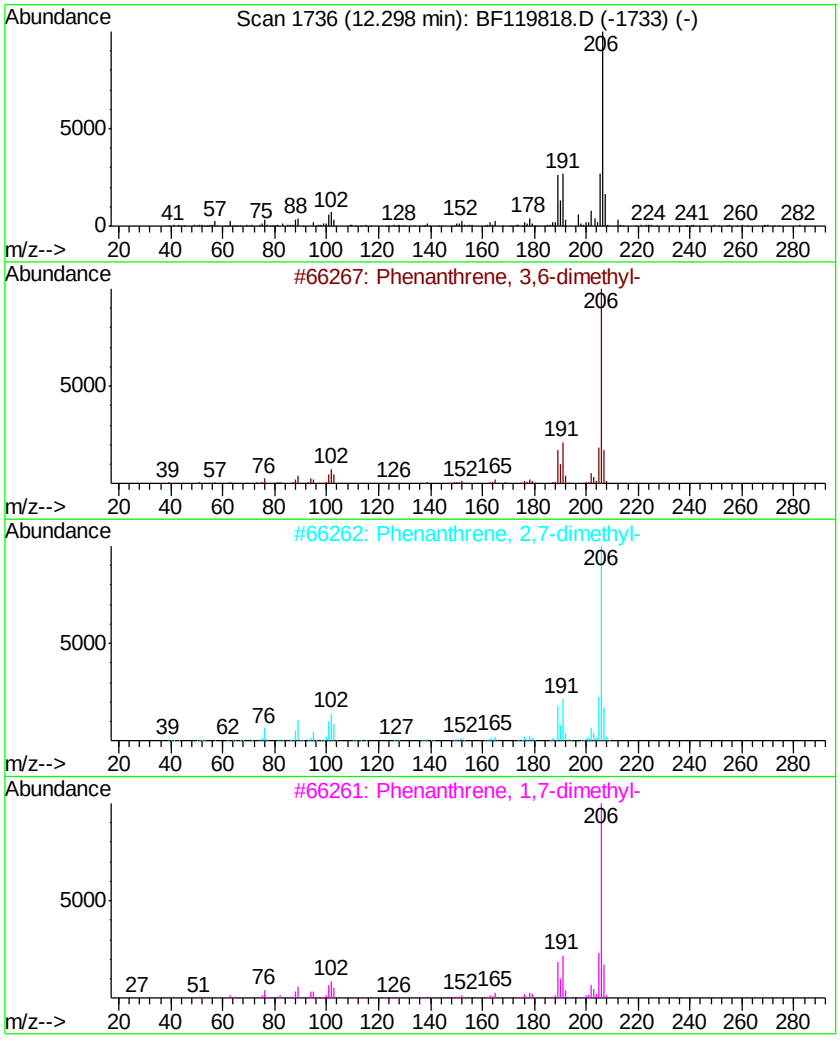
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

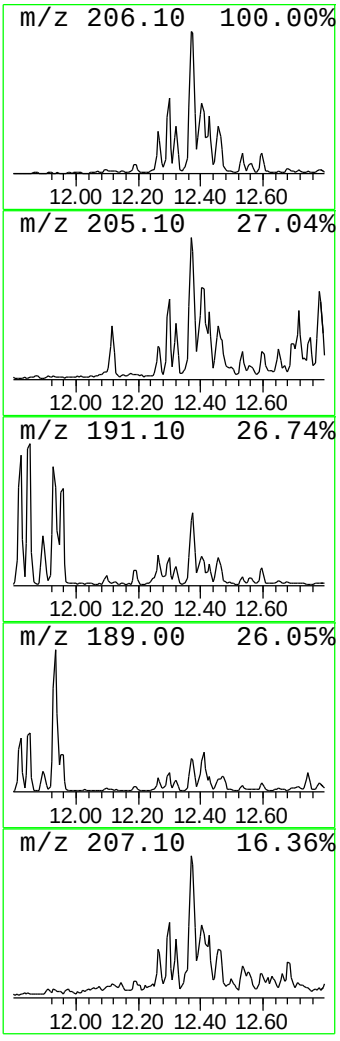
****

Peak Number 14 Phenanthrene, 3,6-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	7.52 ng	403818	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	81
5	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	64





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040620\
Data File : BF119818.D
Acq On : 7 Apr 2020 13:28
Operator : MA/SJ
Sample : L2117-01
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-040220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

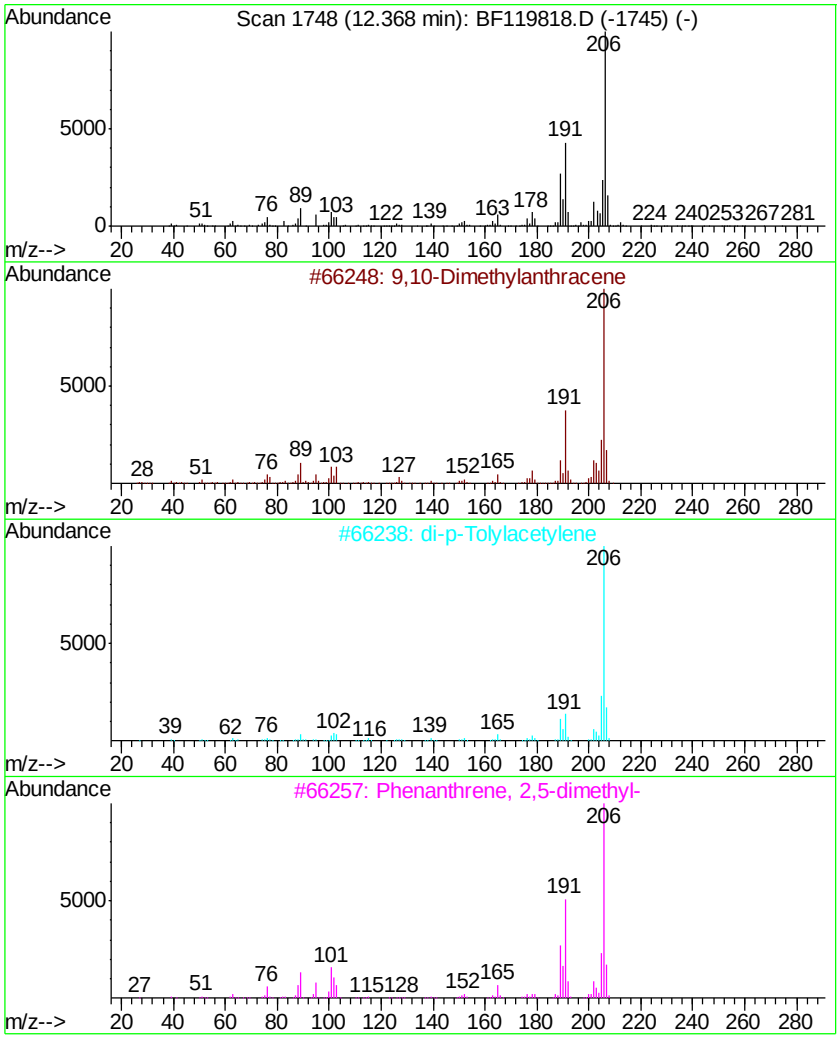
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

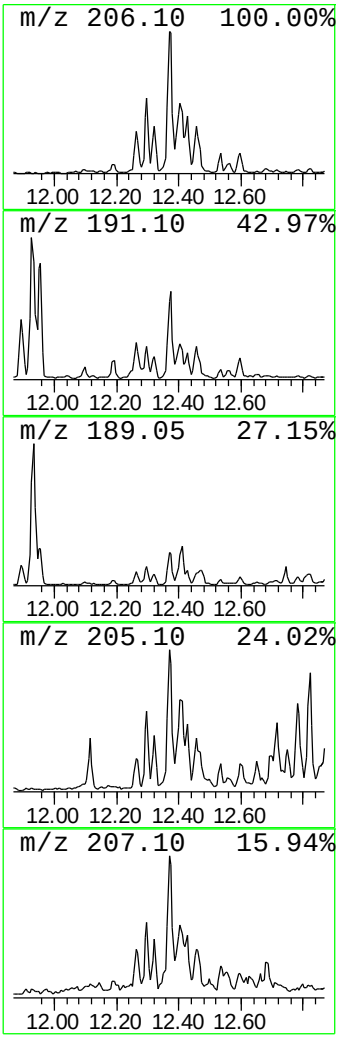
****

Peak Number 15 9,10-Dimethylanthracene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	17.13 ng	919585	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	91
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040620\
Data File : BF119818.D
Acq On : 7 Apr 2020 13:28
Operator : MA/SJ
Sample : L2117-01
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-040220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

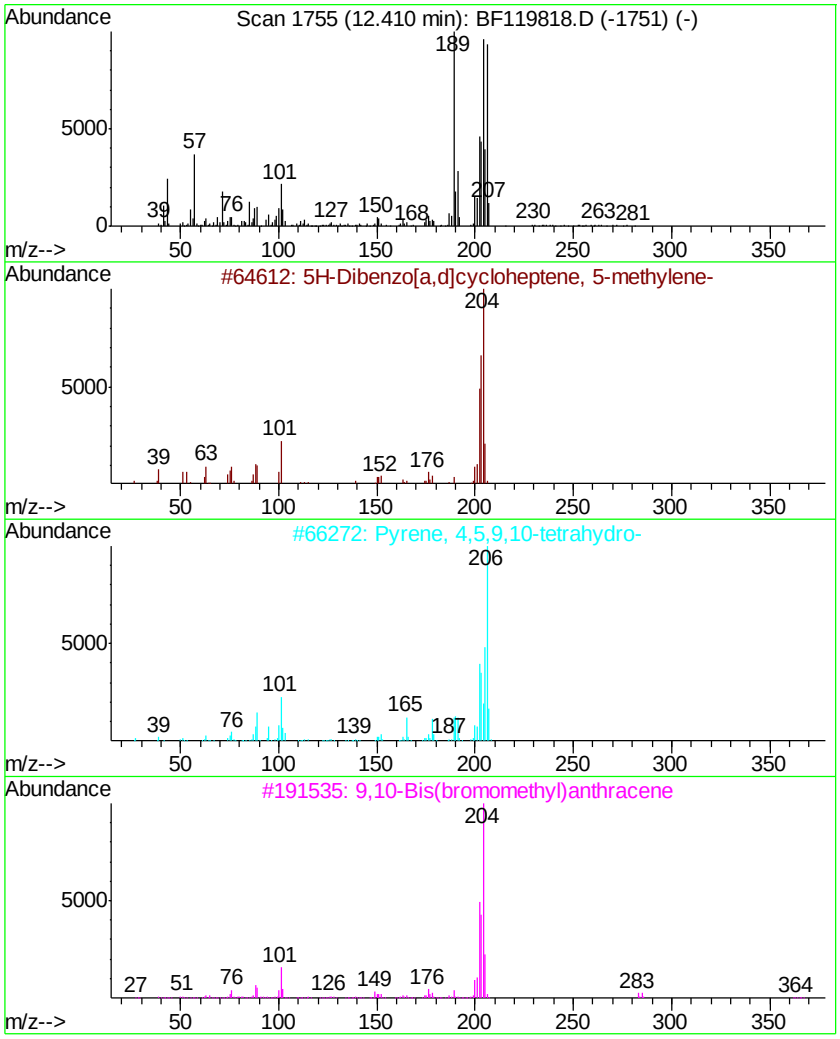
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

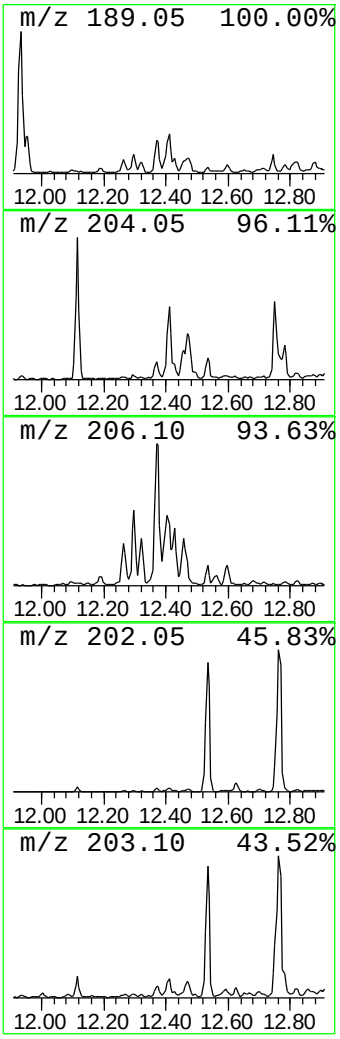
****

Peak Number 16 5H-Dibenzo[a,d]cycloheptene... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.41	16.35 ng	877326	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	56
2	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	52
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	45
4	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	43
5	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040620\
Data File : BF119818.D
Acq On : 7 Apr 2020 13:28
Operator : MA/SJ
Sample : L2117-01
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-040220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

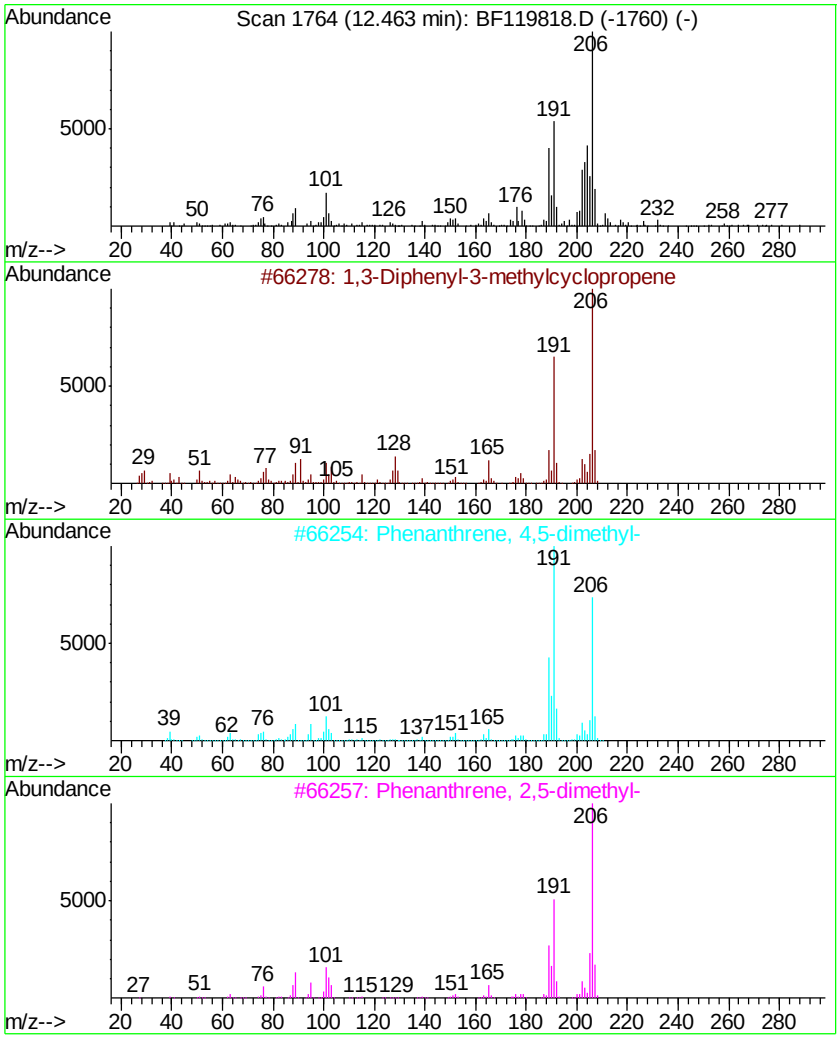
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

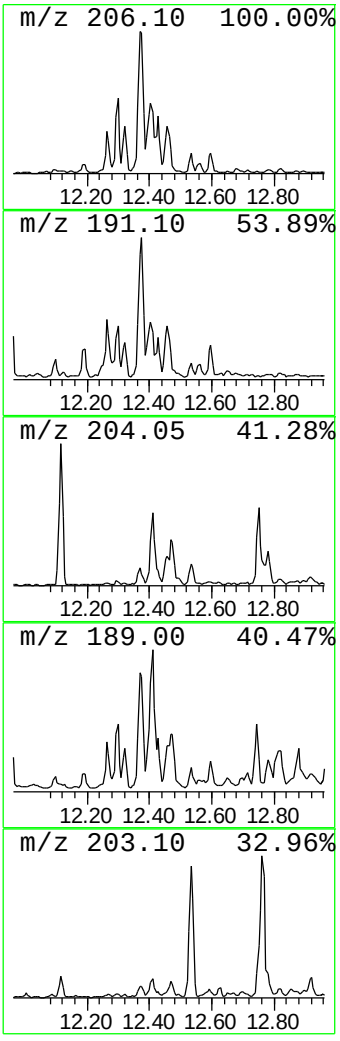
****

Peak Number 17 1,3-Diphenyl-3-methylcyclop... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	9.92 ng	532173	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	94
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	89
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	89
5	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	86





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040620\
Data File : BF119818.D
Acq On : 7 Apr 2020 13:28
Operator : MA/SJ
Sample : L2117-01
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-040220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

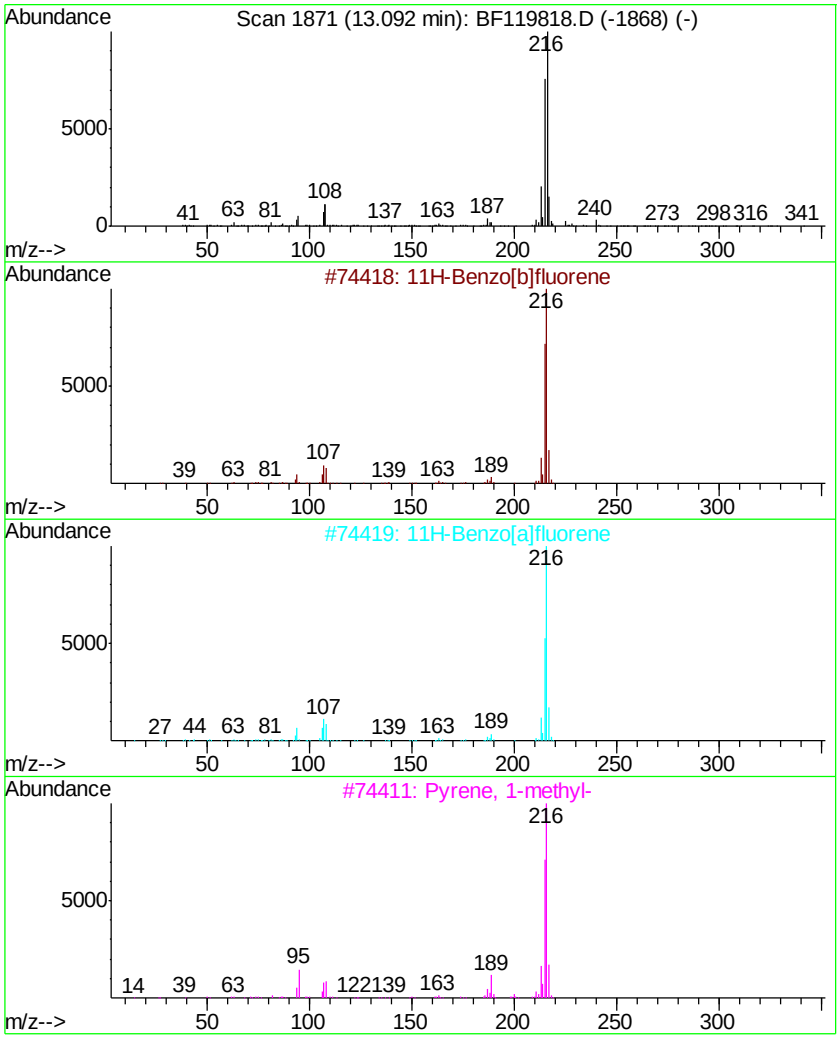
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

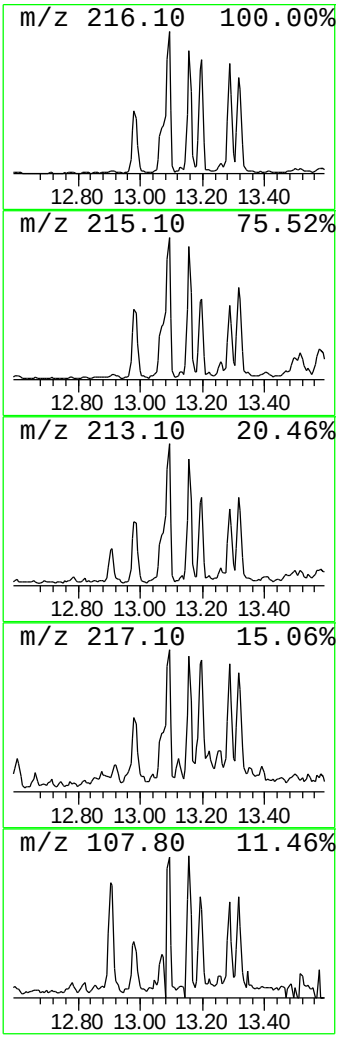
****

Peak Number 18 11H-Benzo[b]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.09	6.56 ng	768115	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	64





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040620\
Data File : BF119818.D
Acq On : 7 Apr 2020 13:28
Operator : MA/SJ
Sample : L2117-01
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-040220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

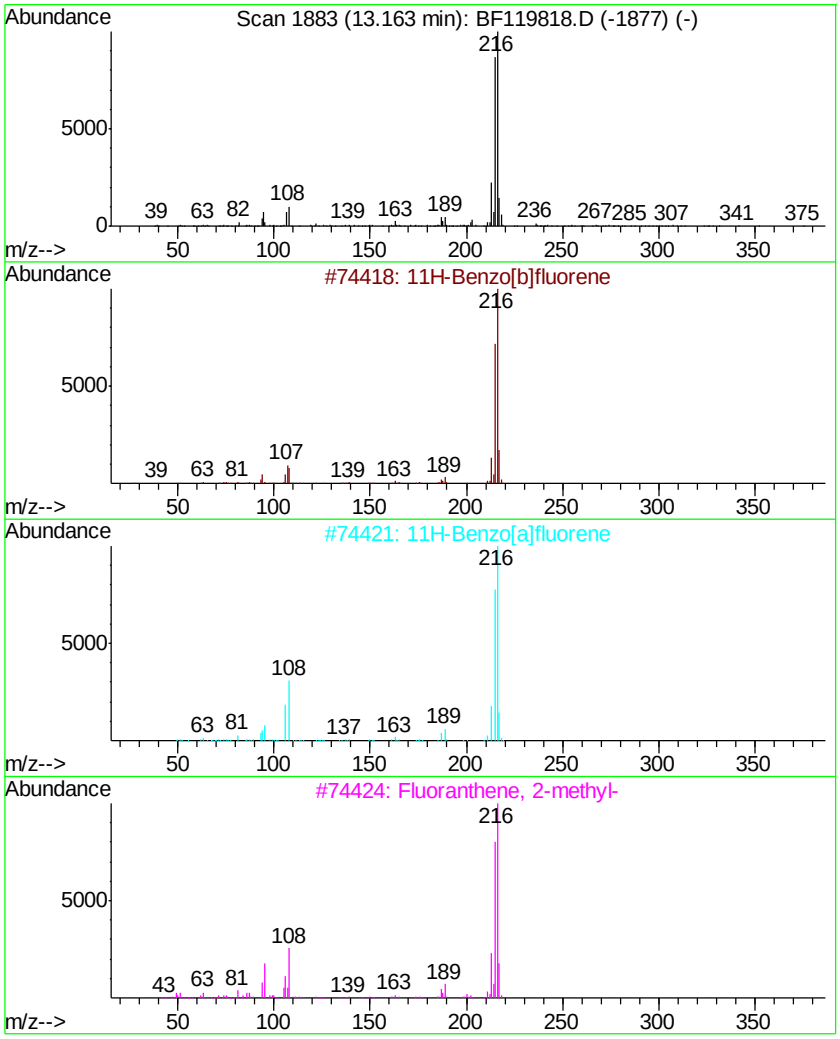
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

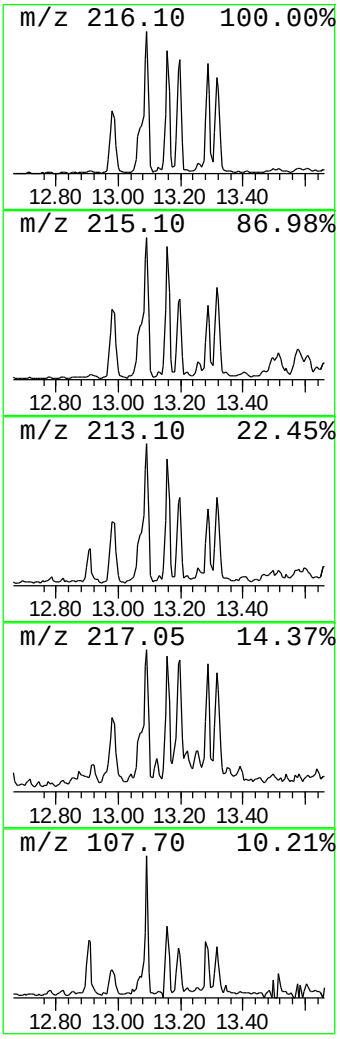
****

Peak Number 19 11H-Benzo[a]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	6.00 ng	703083	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040620\
Data File : BF119818.D
Acq On : 7 Apr 2020 13:28
Operator : MA/SJ
Sample : L2117-01
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-040220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

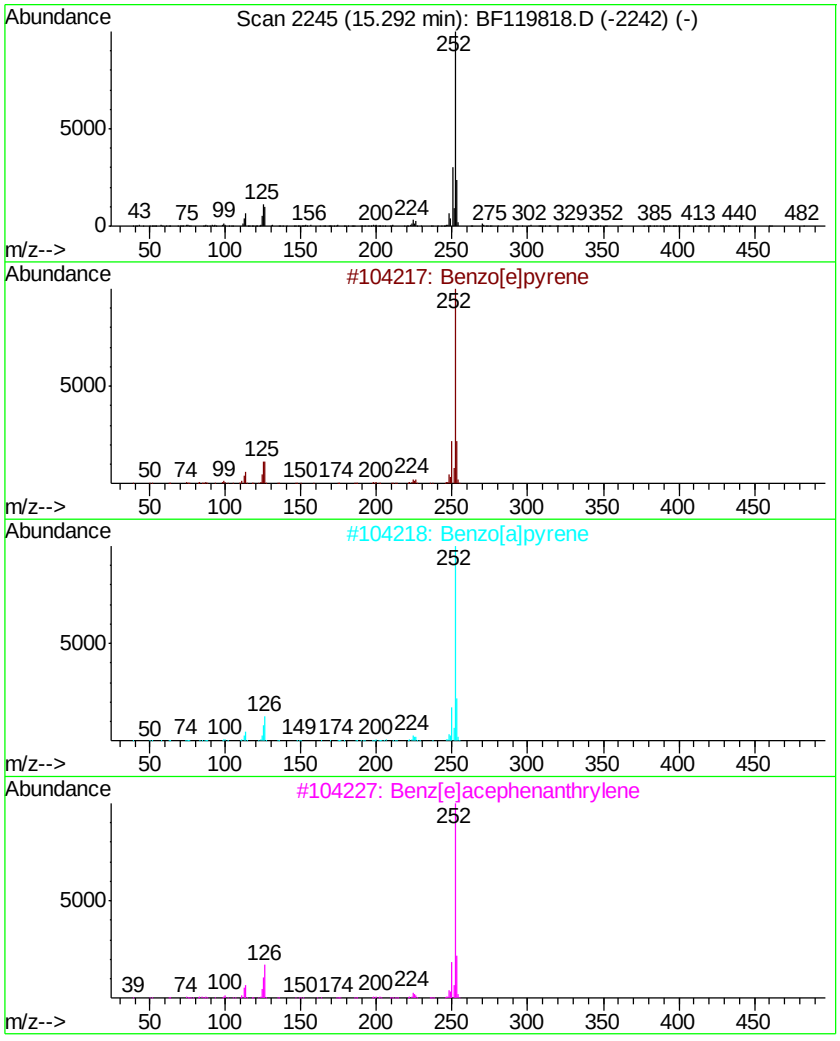
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

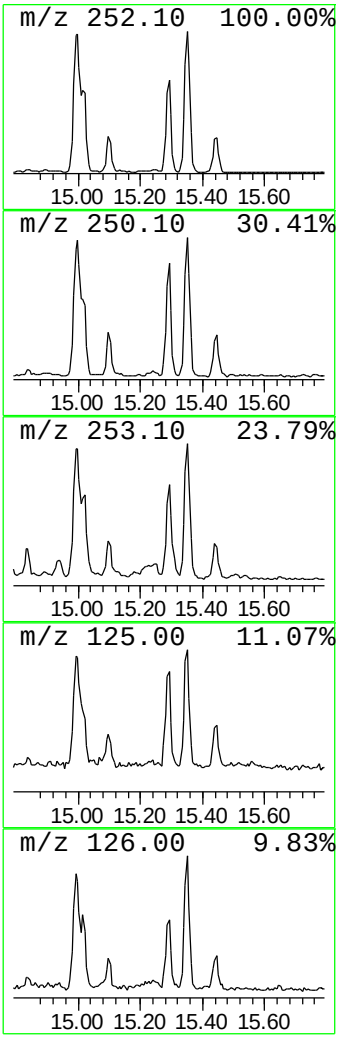
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.29	26.03 ng	671676	Perylene-d12	15.42

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	96
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
4	Perylene	252	C20H12	000198-55-0	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040620\
Data File : BF119818.D
Acq On : 7 Apr 2020 13:28
Operator : MA/SJ
Sample : L2117-01
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-040220

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.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
Naphthalene, 1,6-...	9.42	6.0	ng	370252	3	9.83	1233340	20.0
Naphthalene, 2,3-...	9.49	7.8	ng	484118	3	9.83	1233340	20.0
Dibenzofuran, 4-m...	10.53	5.7	ng	352896	3	9.83	1233340	20.0
Chamazulene	10.74	8.1	ng	431911	4	11.32	1073460	20.0
9H-Fluorene, 2-me...	10.92	7.7	ng	413129	4	11.32	1073460	20.0
Naphtho[2,1-b]thi...	11.21	7.3	ng	393927	4	11.32	1073460	20.0
Phenanthrene, 2-m...	11.82	18.9	ng	1014590	4	11.32	1073460	20.0
Phenanthrene, 1-m...	11.85	25.9	ng	1392270	4	11.32	1073460	20.0
Anthracene, 2-met...	11.89	7.8	ng	417194	4	11.32	1073460	20.0
4H-Cyclopenta[def...	11.93	30.6	ng	1640140	4	11.32	1073460	20.0
1,2,4,8-Tetrameth...	12.12	9.0	ng	484787	4	11.32	1073460	20.0
Phenanthrene, 3,6...	12.30	7.5	ng	403818	4	11.32	1073460	20.0
9,10-Dimethylanth...	12.37	17.1	ng	919585	4	11.32	1073460	20.0
5H-Dibenzo[a,d]cy...	12.41	16.4	ng	877326	4	11.32	1073460	20.0
1,3-Diphenyl-3-me...	12.46	9.9	ng	532173	4	11.32	1073460	20.0
11H-Benzo[b]fluorene	13.09	6.6	ng	768115	5	13.96	2342850	20.0
11H-Benzo[a]fluorene	13.16	6.0	ng	703083	5	13.96	2342850	20.0
Benzo[e]pyrene	15.29	26.0	ng	671676	6	15.42	516074	20.0