LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082420\
Data File : BF121417.D
Acq On : 25 Aug 2020 00:36
Operator : JU/CG
Sample : L3780-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-082120-A

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-BF081920.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	5.304	544	547	572	rBV	1088749	1247374	64.10%	3.908%
2	6.340	720	723	741	rBV	1117680	1260483	64.77%	3.949%
3	6.692	780	783	793	rBV	1068507	938680	48.24%	2.941%
4	7.257	876	879	891	rBV	927491	846041	43.48%	2.650%
5	7.981	998	1002	1005	rBV	1422258	1192638	61.29%	3.736%
6	8.786	1136	1139	1145	rBV	36946	36306	1.87%	0.114%
7	9.051	1180	1184	1189	rBV	2027589	1653449	84.97%	5.180%
8	9.133	1194	1198	1200	rBV2	20129	26189	1.35%	0.082%
9	9.175	1200	1205	1208	rVB2	94828	97215	5.00%	0.305%
10	9.322	1225	1230	1233	rBV2	35682	43099	2.21%	0.135%
11	9.386	1239	1241	1244	rBV	54866	52950	2.72%	0.166%
12	9.445	1248	1251	1255	rVB	140743	126755	6.51%	0.397%
13	9.504	1260	1261	1266	rVB	30165	32549	1.67%	0.102%
14	9.586	1273	1275	1278	rVB	56534	49330	2.53%	0.155%
15	9.728	1293	1299	1302	rBV	1572088	1375908	70.70%	4.310%
16	9.763	1302	1305	1308	rVV	263848	241531	12.41%	0.757%
17	9.792	1308	1310	1314	rVB3	19938	25004	1.28%	0.078%
18	9.833	1314	1317	1321	rBV3	18842	30098	1.55%	0.094%
19	9.886	1322	1326	1328	rBV2	43293	40337	2.07%	0.126%
20	9.933	1331	1334	1339	rVV	127261	151545	7.79%	0.475%
21	9.975	1339	1341	1345	rVB2	33404	36940	1.90%	0.116%
22	10.045	1350	1353	1356	rBV	45173	52683	2.71%	0.165%
23	10.075	1356	1358	1364	rVB	38456	40739	2.09%	0.128%
24	10.133	1364	1368	1370	rBV2	46207	51143	2.63%	0.160%
25	10.163	1370	1373	1375	rVB3	35390	33600	1.73%	0.105%
26	10.275	1388	1392	1398	rBV2	215653	211312	10.86%	0.662%
27	10.328	1398	1401	1402	rVV2	40788	43909	2.26%	0.138%
28	10.363	1405	1407	1409	rVV2	57219	54305	2.79%	0.170%
29	10.386	1409	1411	1413	rVV	55329	53898	2.77%	0.169%
30	10.433	1416	1419	1422	rVB	118212	107714	5.54%	0.337%
31	10.522	1430	1434	1438	rBV	793244	787752	40.48%	2.468%
32	10.645	1451	1455	1462	rVB3	86220	134963	6.94%	0.423%
33	10.822	1481	1485	1488	rVV4	61796	84203	4.33%	0.264%
34	10.851	1488	1490	1493	rVB2	44178	34886	1.79%	0.109%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082420\
Data File : BF121417.D
Acq On : 25 Aug 2020 00:36
Operator : JU/CG
Sample : L3780-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-082120-A

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-BF081920.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.951	1502	1507	1509	rBV3	80750	110253	5.67%	0.345%
36	10.975	1509	1511	1516	rVV	93511	108526	5.58%	0.340%
37	11.022	1516	1519	1523	rVV	148485	134543	6.91%	0.421%
38	11.069	1523	1527	1531	rVV4	105495	205857	10.58%	0.645%
39	11.110	1531	1534	1539	rVB2	206265	223199	11.47%	0.699%
40	11.216	1548	1552	1554	rBV	1415753	1399418	71.91%	4.384%
41	11.239	1554	1556	1559	rVV	2324081	1850907	95.11%	5.798%
42	11.286	1559	1564	1568	rVV	419031	435838	22.40%	1.365%
43	11.322	1568	1570	1574	rVB2	49133	55423	2.85%	0.174%
44	11.445	1586	1591	1593	rBV2	123522	172147	8.85%	0.539%
45	11.510	1599	1602	1606	rBV2	123578	93599	4.81%	0.293%
46	11.610	1617	1619	1625	rVB2	70769	86233	4.43%	0.270%
47	11.669	1627	1629	1632	rVV	36125	35254	1.81%	0.110%
48	11.716	1633	1637	1639	rVV	321468	295372	15.18%	0.925%
49	11.745	1639	1642	1646	rVV	447005	513548	26.39%	1.609%
50	11.792	1647	1650	1652	rVV	153117	164236	8.44%	0.514%
51	11.827	1652	1656	1658	rVV	402555	455065	23.38%	1.426%
52	11.851	1658	1660	1664	rVB	202281	177074	9.10%	0.555%
53	11.922	1669	1672	1674	rVB2	72398	68262	3.51%	0.214%
54	12.010	1684	1687	1690	rBV	251217	198999	10.23%	0.623%
55	12.039	1690	1692	1695	rVB	143485	117462	6.04%	0.368%
56	12.157	1710	1712	1715	rVB2	65485	60104	3.09%	0.188%
57	12.192	1715	1718	1720	rBV2	68737	62079	3.19%	0.194%
58	12.216	1720	1722	1724	rVB	62382	46742	2.40%	0.146%
59	12.263	1727	1730	1733	rBV	147311	155168	7.97%	0.486%
60	12.298	1733	1736	1738	rVV4	173033	264847	13.61%	0.830%
61	12.351	1742	1745	1749	rVB	146976	145947	7.50%	0.457%
62	12.427	1754	1758	1761	rVB	2075047	1832168	94.15%	5.740%
63	12.657	1791	1797	1800	rBV2	1752571	1945999	100.00%	6.096%
64	12.704	1803	1805	1812	rVB2	129151	163788	8.42%	0.513%
65	12.774	1814	1817	1818	rBV	123597	105726	5.43%	0.331%
66	12.798	1818	1821	1824	rBV	1644431	1336793	68.69%	4.188%
67	12.874	1829	1834	1838	rBV2	122348	228891	11.76%	0.717%
68	12.910	1838	1840	1843	rVV2	58243	58443	3.00%	0.183%
69	12.957	1846	1848	1850	rBV3	100473	117525	6.04%	0.368%
70	12.980	1850	1852	1856	rVB2	194257	201803	10.37%	0.632%
71	13.033	1859	1861	1862	rVV2	67133	53748	2.76%	0.168%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082420\
Data File : BF121417.D
Acq On : 25 Aug 2020 00:36
Operator : JU/CG
Sample : L3780-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-082120-A

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-BF081920.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.086	1866	1870	1878	rBV3	218329	290264	14.92%	0.909%
73	13.180	1883	1886	1888	rBV	96503	84191	4.33%	0.264%
74	13.210	1888	1891	1894	rBV2	122806	104646	5.38%	0.328%
75	13.374	1917	1919	1921	rVB2	62718	49639	2.55%	0.156%
76	13.492	1936	1939	1944	rVB	176811	155137	7.97%	0.486%
77	13.598	1955	1957	1960	rBV	113716	108336	5.57%	0.339%
78	13.627	1960	1962	1964	rVB	134344	97207	5.00%	0.305%
79	13.651	1964	1966	1968	rBV	81383	80783	4.15%	0.253%
80	13.704	1972	1975	1977	rBV	197390	202463	10.40%	0.634%
81	13.851	1995	2000	2003	rBV2	1286184	1785865	91.77%	5.594%
82	13.880	2003	2005	2008	rVB	698421	526357	27.05%	1.649%
83	13.957	2016	2018	2021	rVB	103240	75051	3.86%	0.235%
84	14.239	2064	2066	2069	rVB	140145	114684	5.89%	0.359%
85	14.363	2085	2087	2089	rBV	97776	87557	4.50%	0.274%
86	14.868	2169	2173	2180	rBV	546830	968528	49.77%	3.034%
87	15.151	2218	2221	2227	rVB	336025	403772	20.75%	1.265%
88	15.210	2228	2231	2236	rVB	477850	527767	27.12%	1.653%
89	15.268	2237	2241	2245	rBV	826719	1100358	56.54%	3.447%
90	16.633	2470	2473	2479	rVB2	181572	282706	14.53%	0.886%

Sum of corrected areas: 31921825

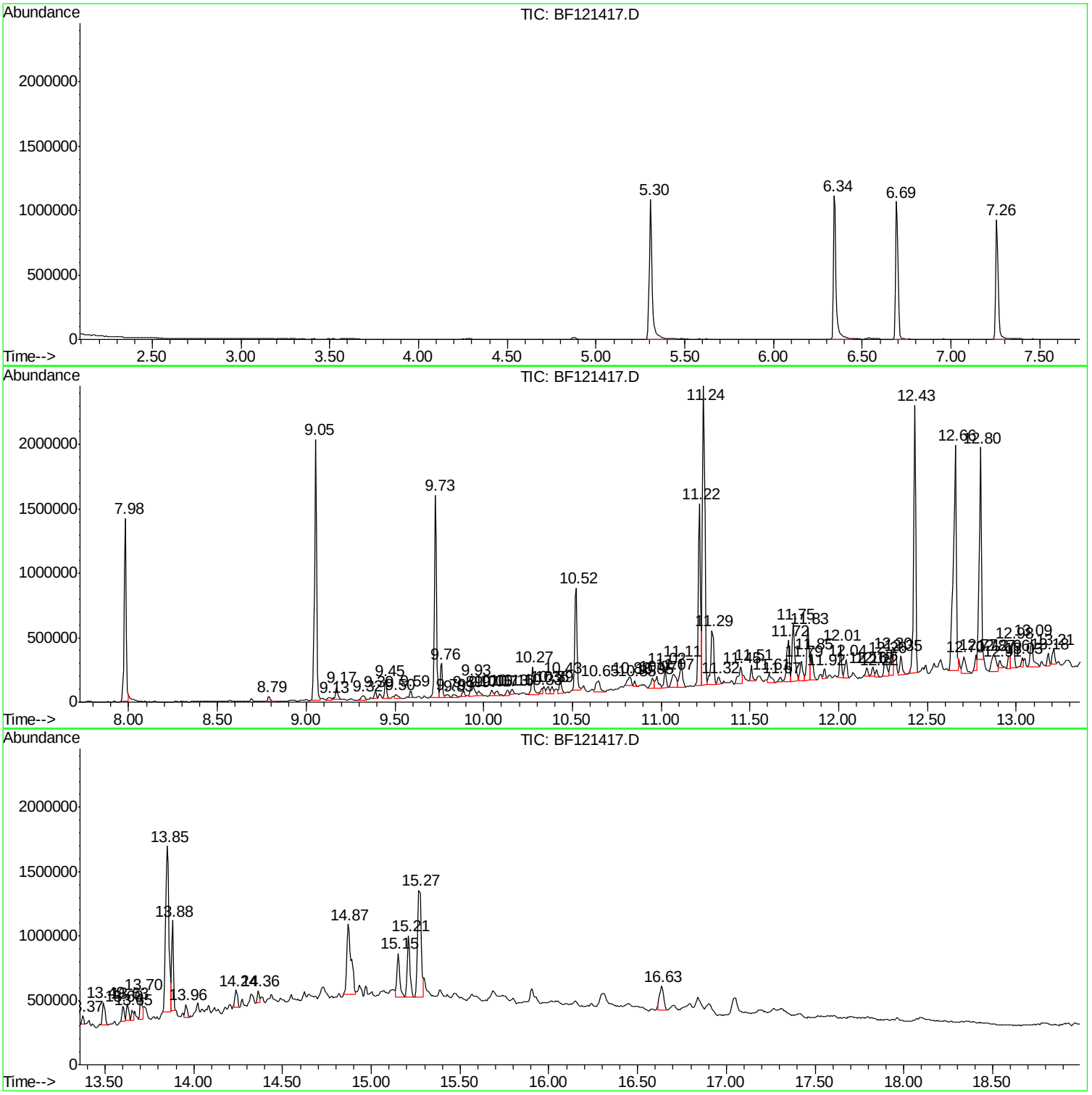
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082420\
Data File : BF121417.D
Acq On : 25 Aug 2020 00:36
Operator : JU/CG
Sample : L3780-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
JC-03-082120-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081920.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\BF082420\
Data File : BF121417.D
Acq On : 25 Aug 2020 00:36
Operator : JU/CG
Sample : L3780-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-082120-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

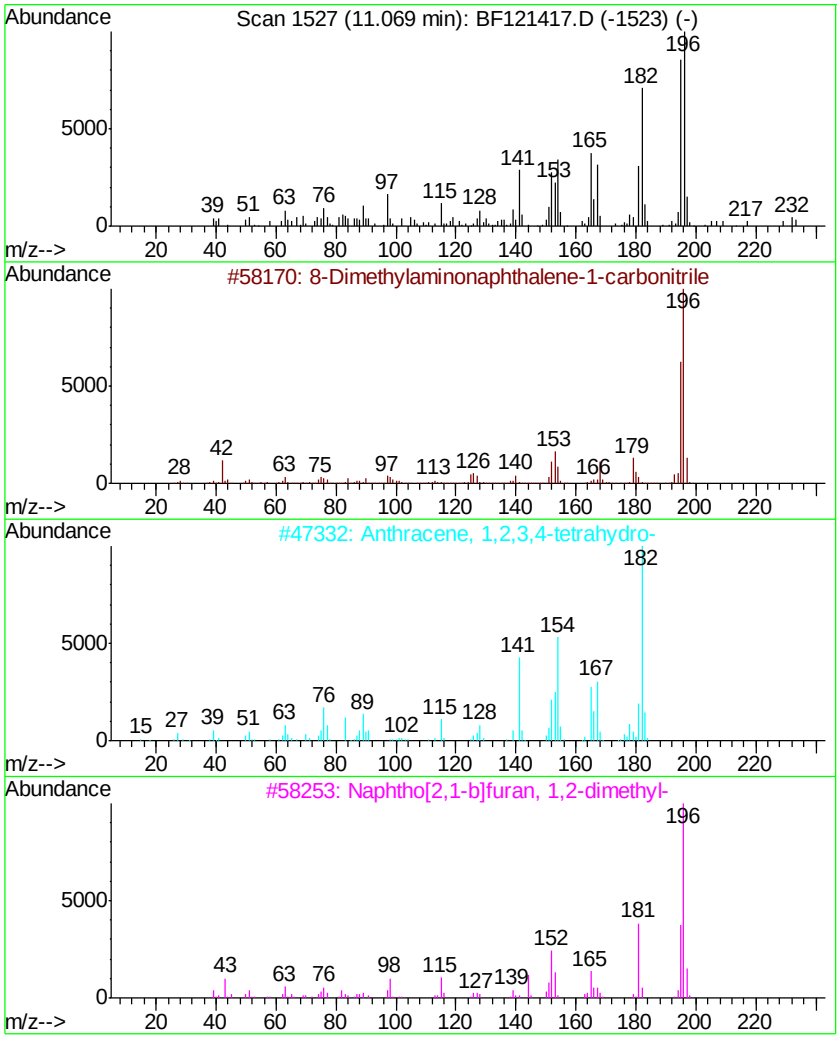
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

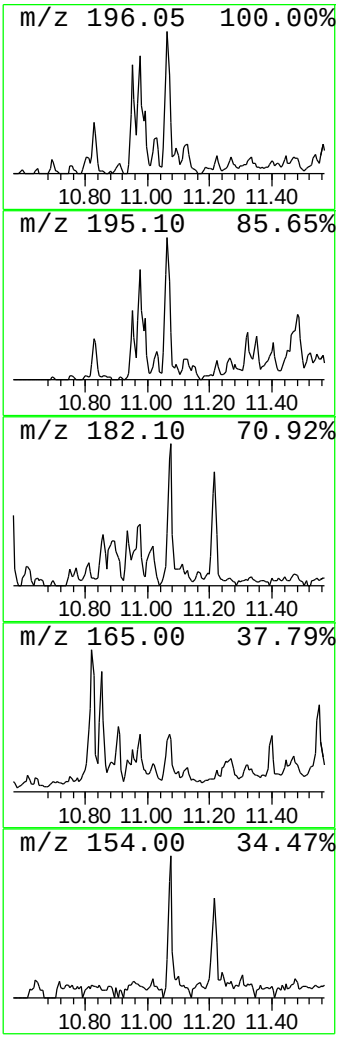
****

Peak Number 3 unknown11.07 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.07	2.94 ng	205857	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	46
2	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	46
3	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	45
4	Benzo[b]benzofuran-2-carboxaldehyde	196	C13H8O2	1000351-56-0	43
5	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082420\
Data File : BF121417.D
Acq On : 25 Aug 2020 00:36
Operator : JU/CG
Sample : L3780-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-082120-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

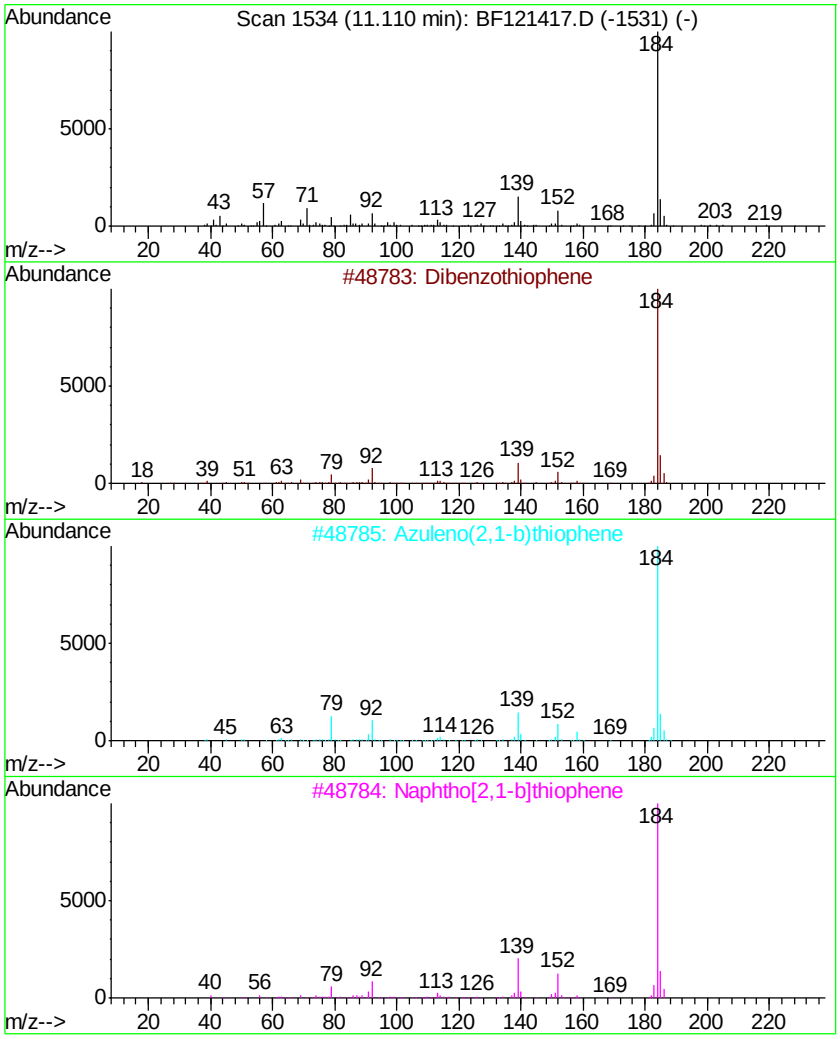
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

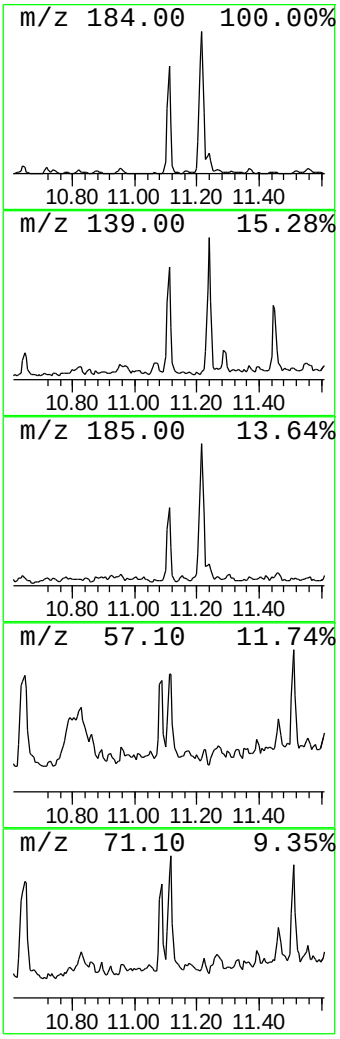
****

Peak Number 4 Dibenzothiophene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.11	3.19 ng	223199	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	93
2	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	83
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	83
4	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	64
5	3,4-Bis(methylthio)toluene	184	C9H12S2	029690-14-0	53





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082420\
Data File : BF121417.D
Acq On : 25 Aug 2020 00:36
Operator : JU/CG
Sample : L3780-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-082120-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

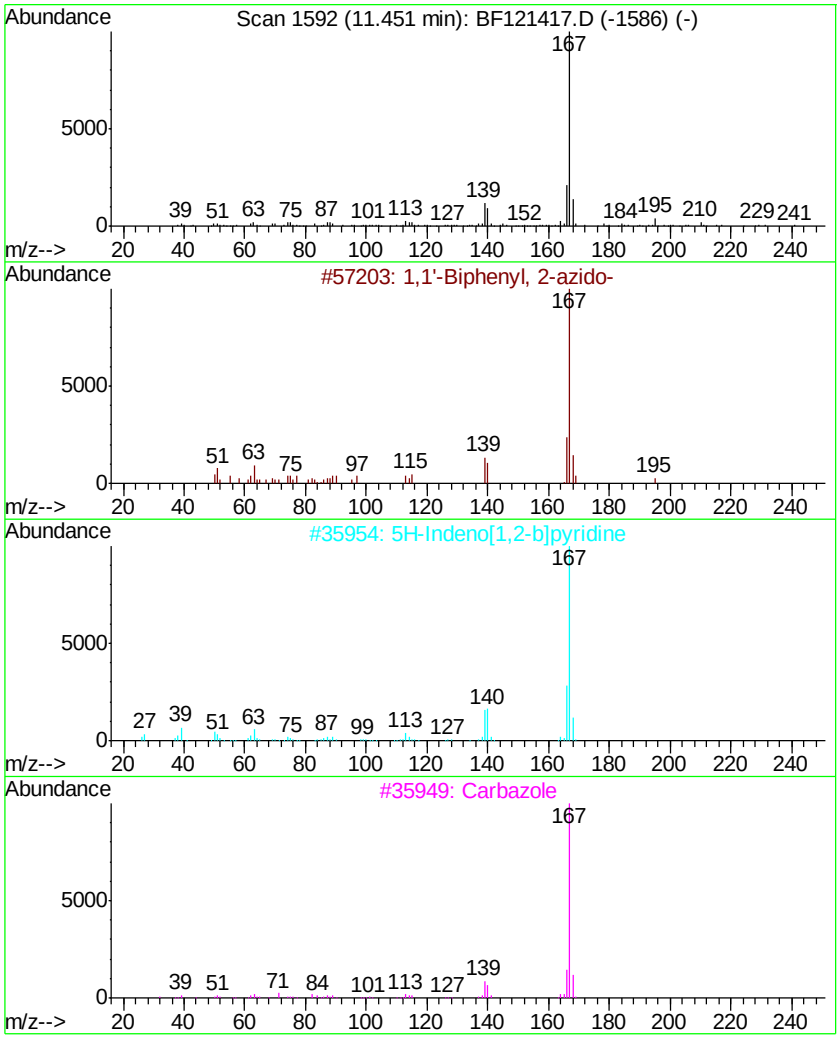
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

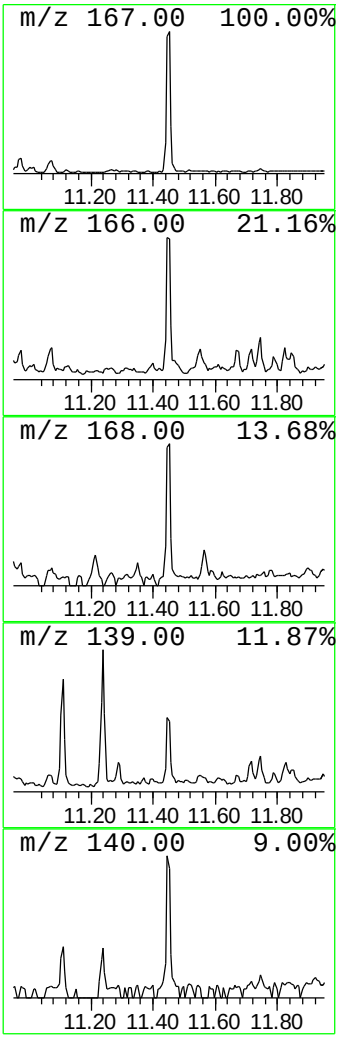
****

Peak Number 5 1,1'-Biphenyl, 2-azido- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.45	2.46 ng	172147	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-azido-	195	C12H9N3	007599-23-7	87
2	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	81
3	Carbazole	167	C12H9N	000086-74-8	81
4	D-Galactitol, 2-(acetylmethylami...	363	C16H29NO8	074410-42-7	80
5	1-Naphthaleneacetonitrile	167	C12H9N	000132-75-2	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082420\
Data File : BF121417.D
Acq On : 25 Aug 2020 00:36
Operator : JU/CG
Sample : L3780-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-082120-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

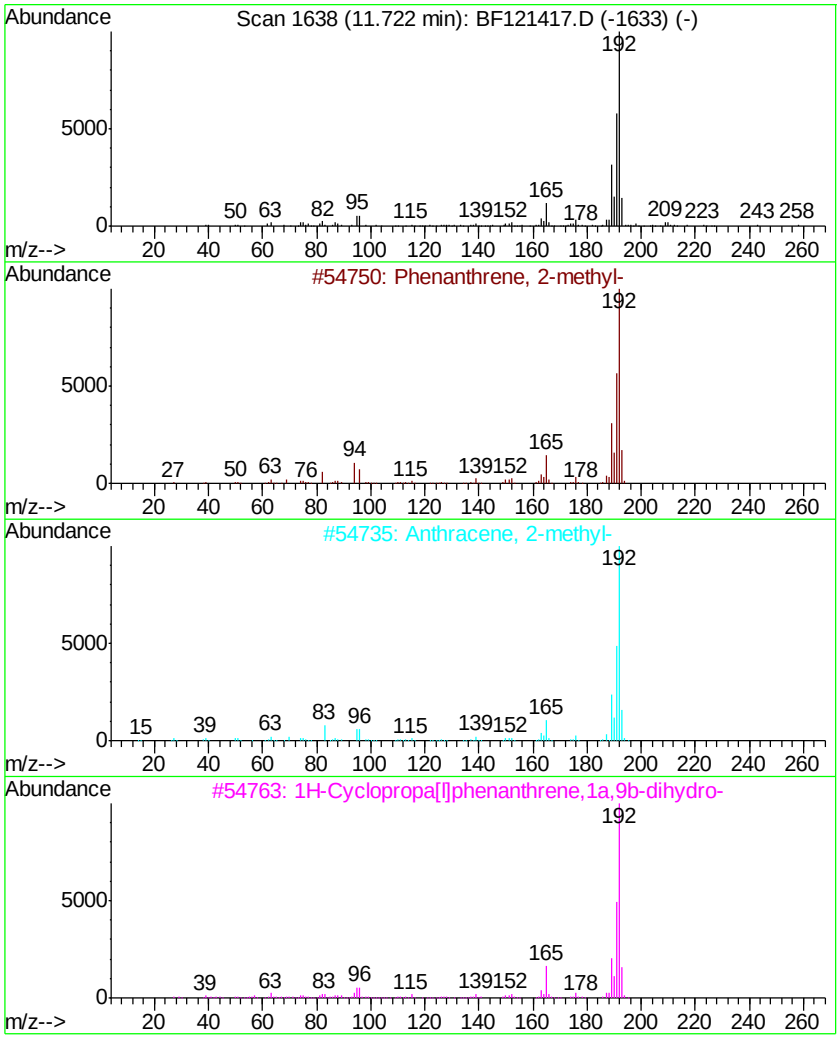
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

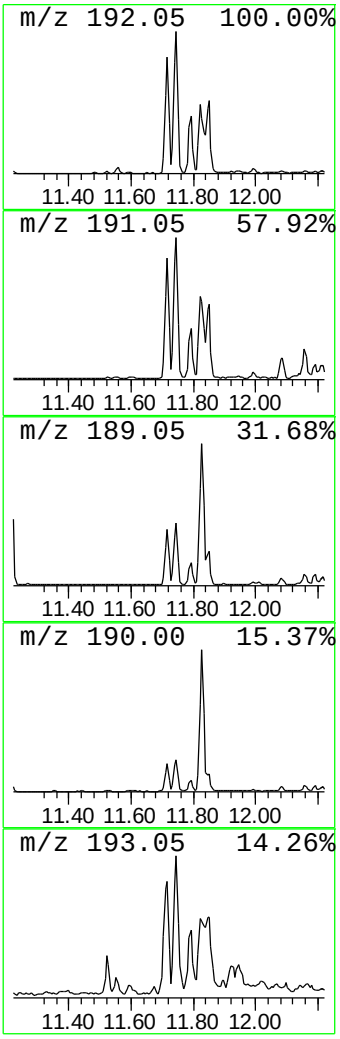
****

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.72	4.22 ng	295372	Phenanthrene-d10	11.22

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	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082420\
Data File : BF121417.D
Acq On : 25 Aug 2020 00:36
Operator : JU/CG
Sample : L3780-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-082120-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

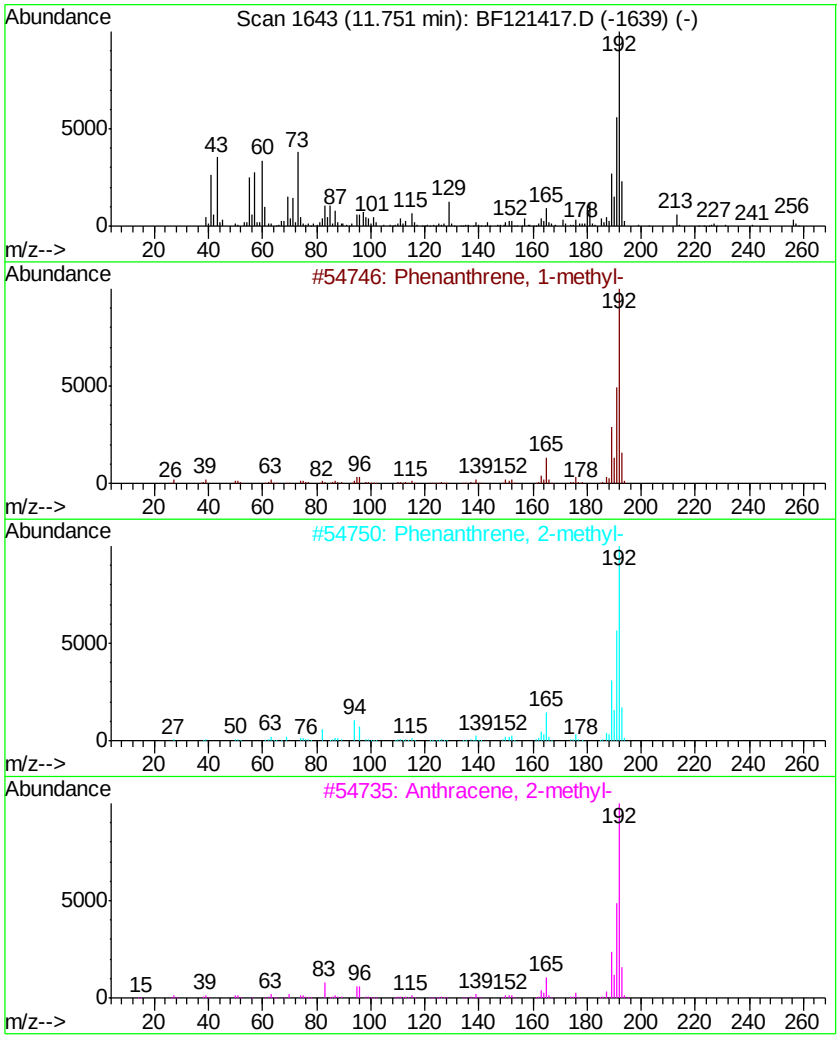
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

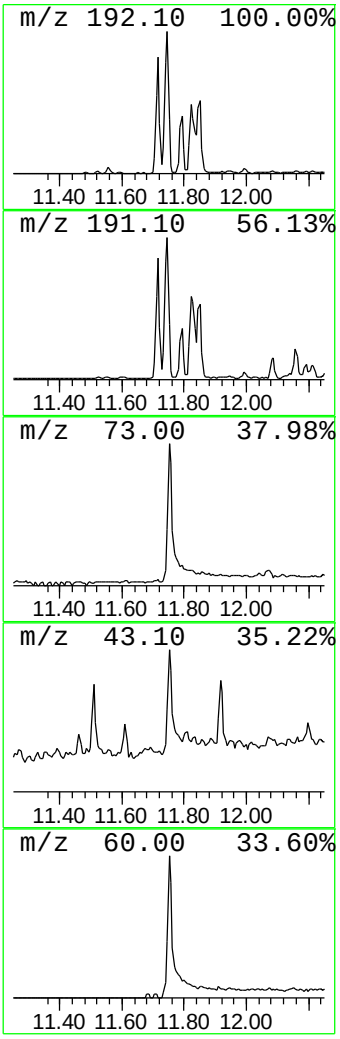
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	7.34 ng	513548	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082420\
Data File : BF121417.D
Acq On : 25 Aug 2020 00:36
Operator : JU/CG
Sample : L3780-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-082120-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

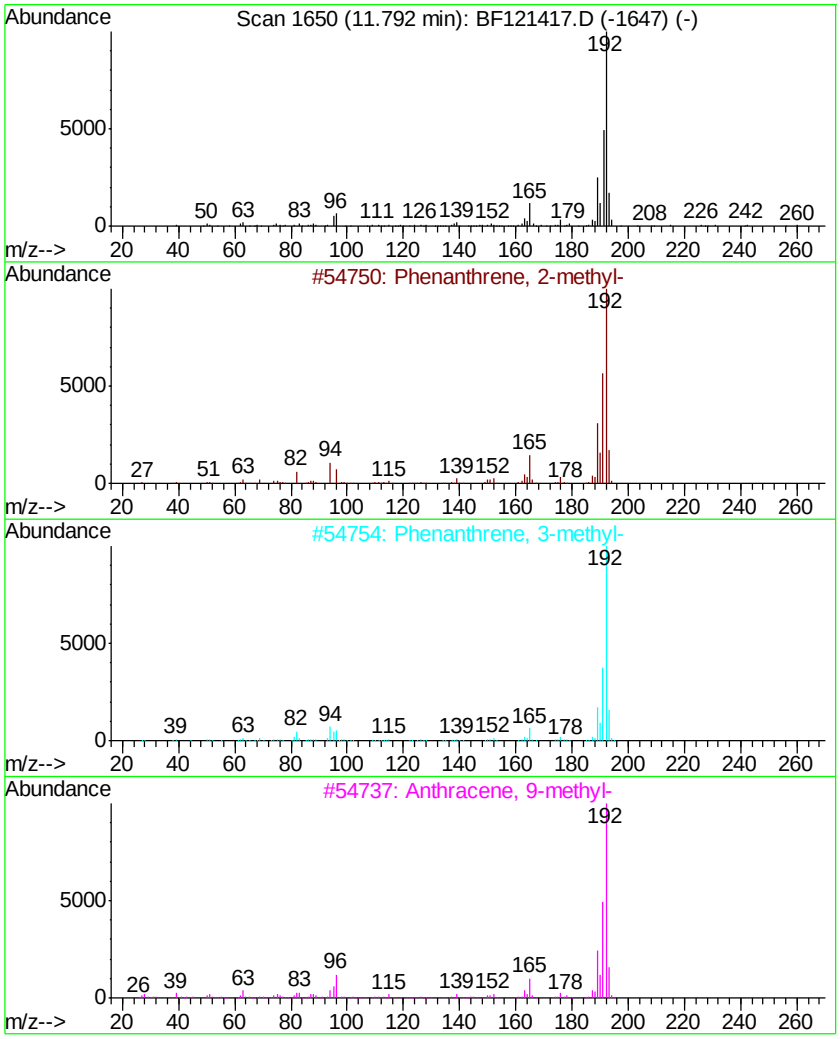
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

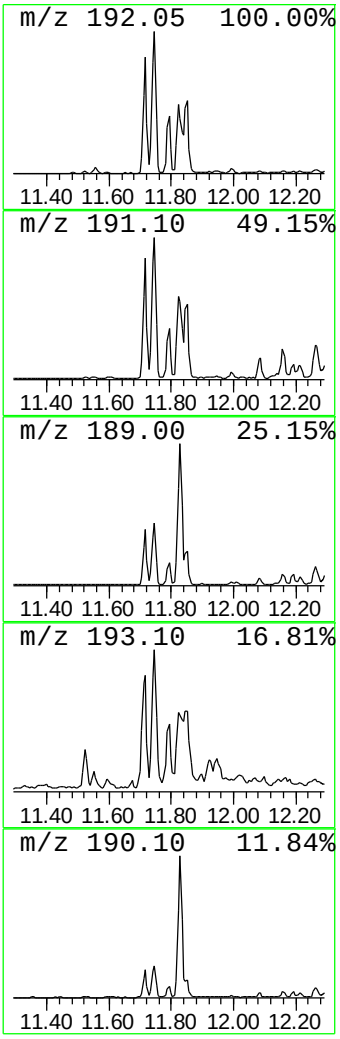
****

Peak Number 8 Phenanthrene, 3-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	2.35 ng	164236	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082420\
Data File : BF121417.D
Acq On : 25 Aug 2020 00:36
Operator : JU/CG
Sample : L3780-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-082120-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

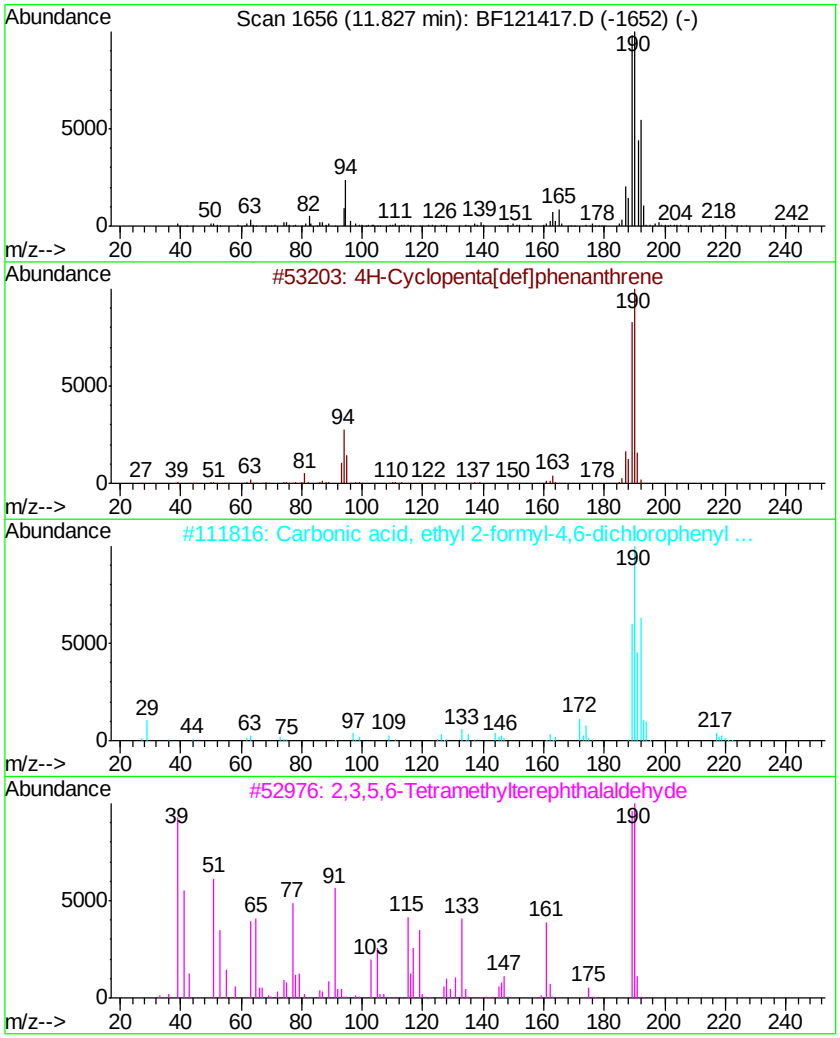
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

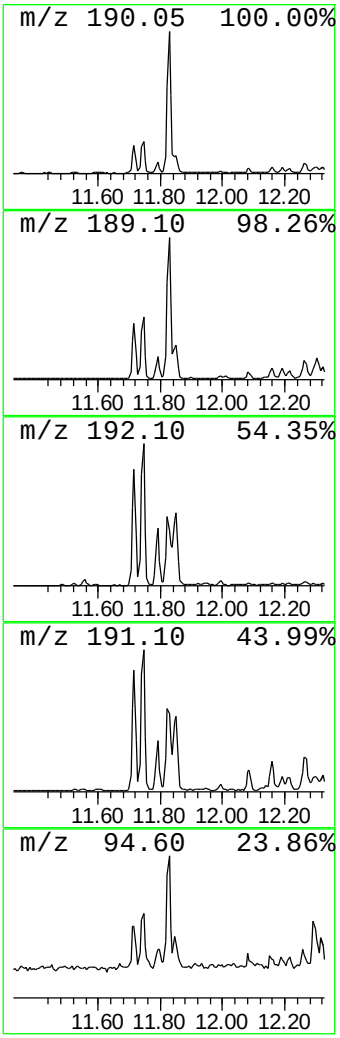
****

Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	6.50 ng	455065	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
4	Methyl diselenide	190	C2H6Se2	007101-31-7	43
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	42





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082420\
Data File : BF121417.D
Acq On : 25 Aug 2020 00:36
Operator : JU/CG
Sample : L3780-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-082120-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

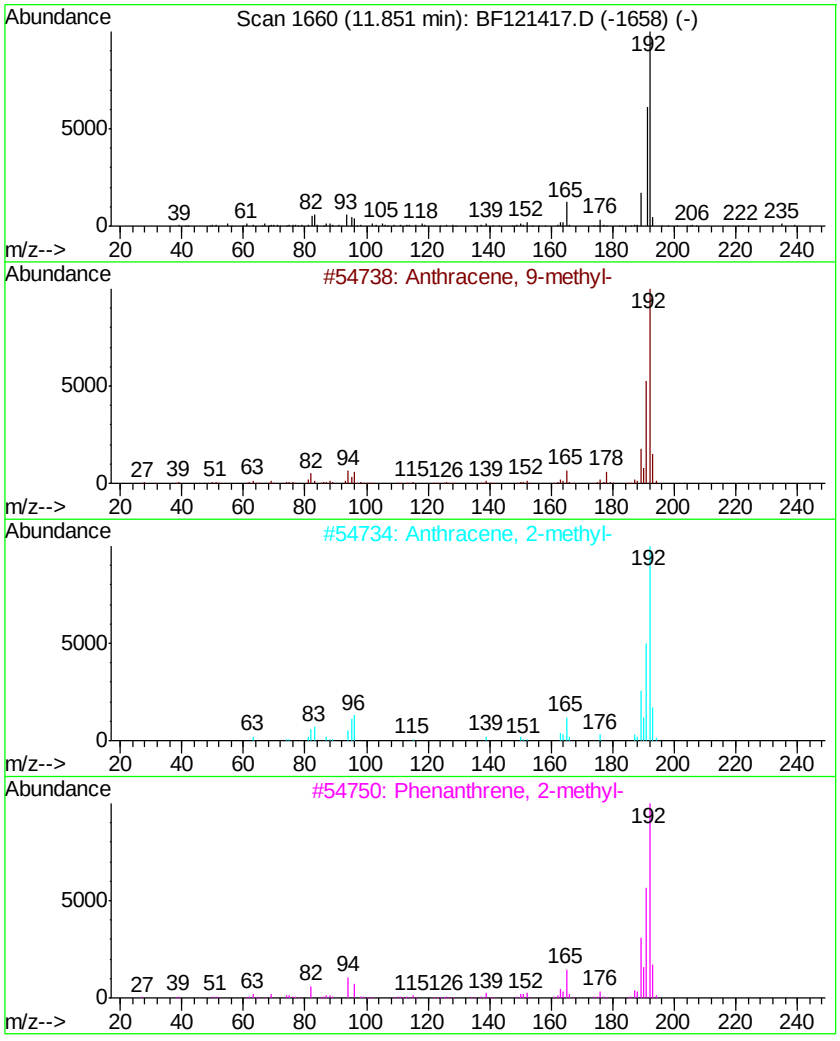
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

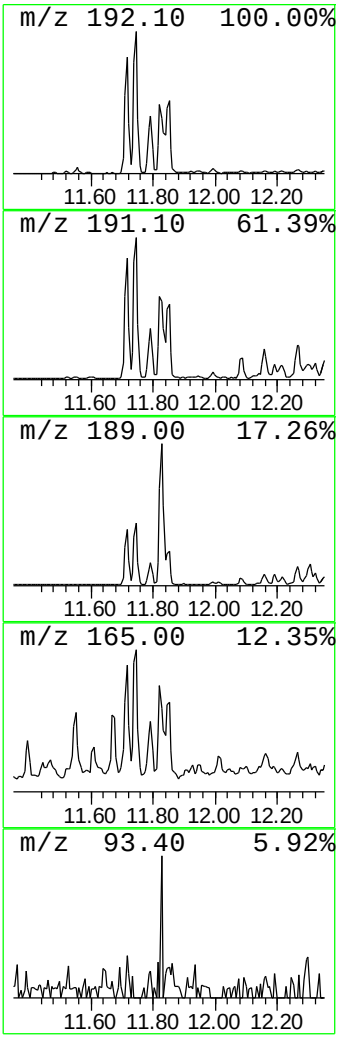
****

Peak Number 10 Anthracene, 9-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	2.53 ng	177074	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	83
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	72
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	72
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	72
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082420\
Data File : BF121417.D
Acq On : 25 Aug 2020 00:36
Operator : JU/CG
Sample : L3780-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-082120-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

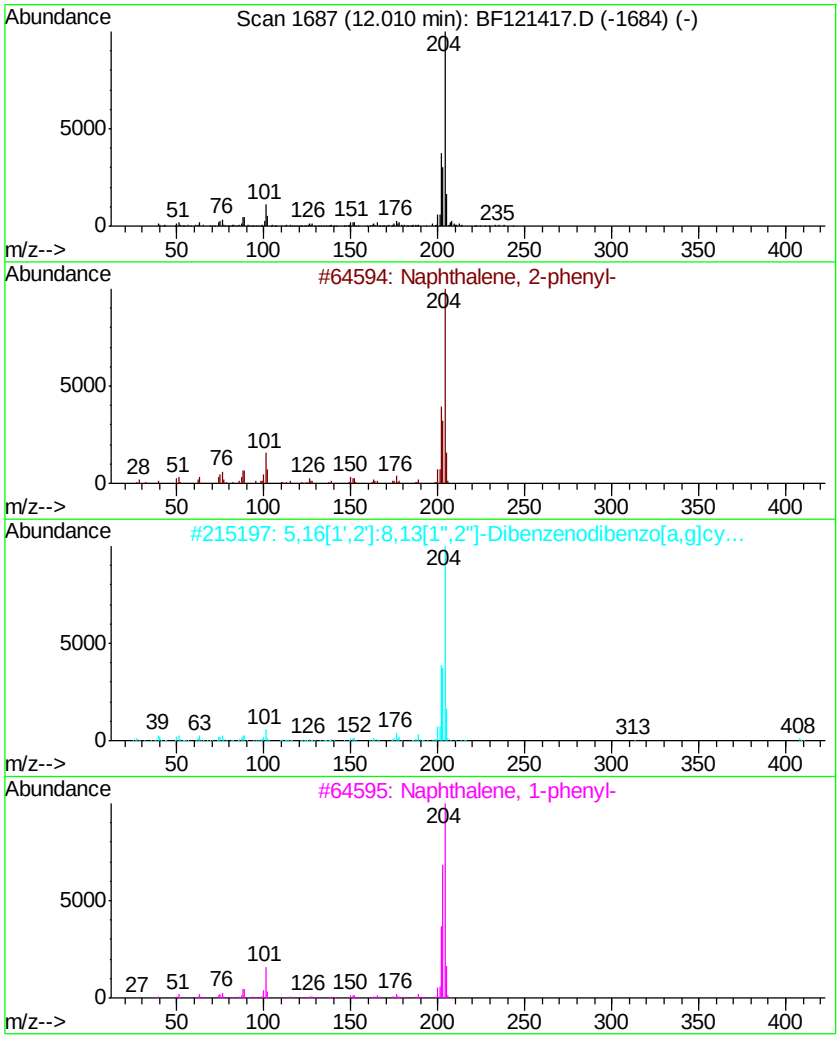
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

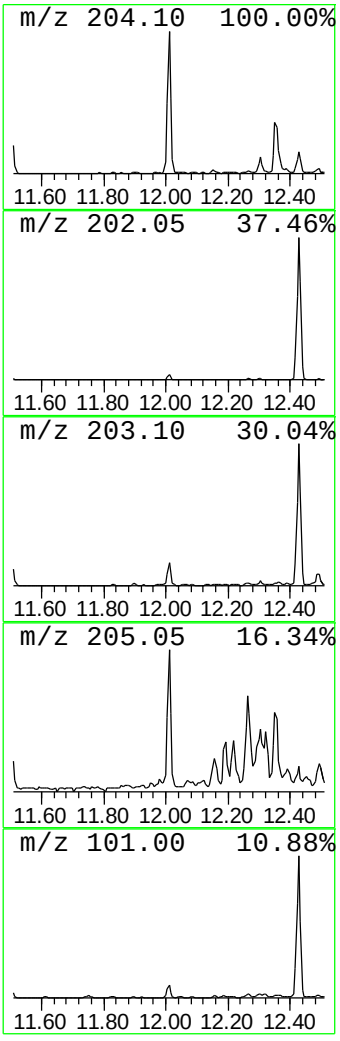
****

Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	2.84 ng	198999	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	64
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	53





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082420\
Data File : BF121417.D
Acq On : 25 Aug 2020 00:36
Operator : JU/CG
Sample : L3780-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-082120-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

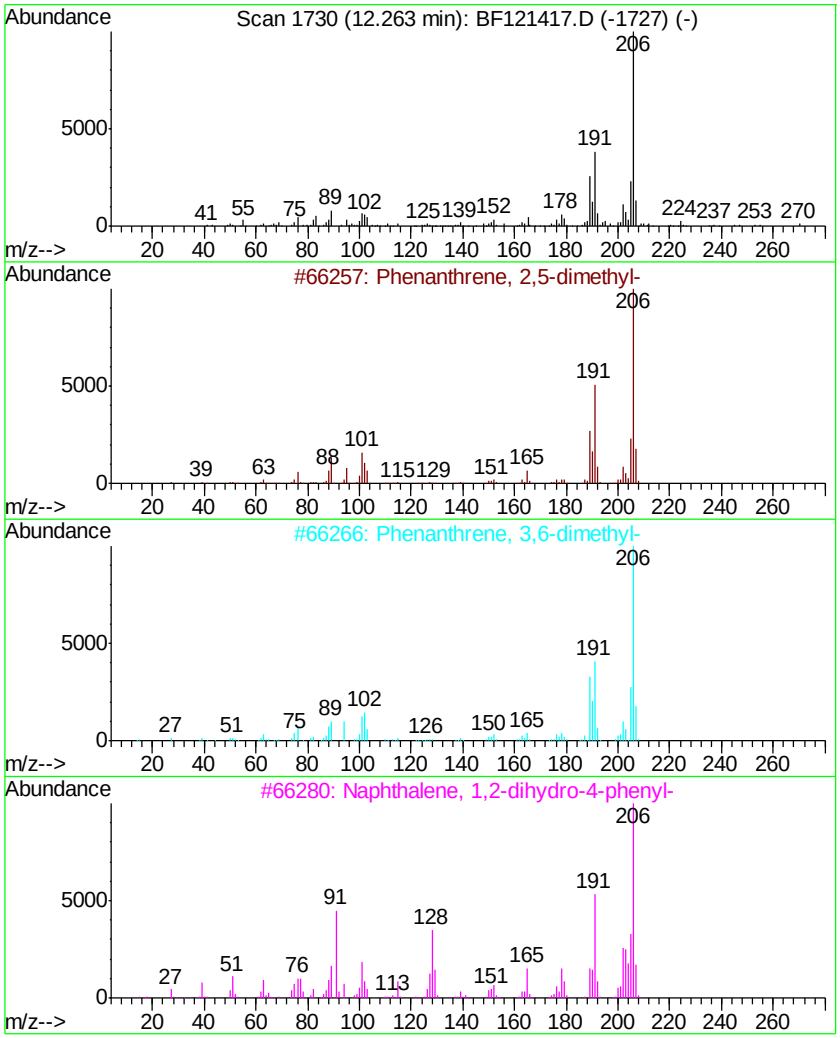
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

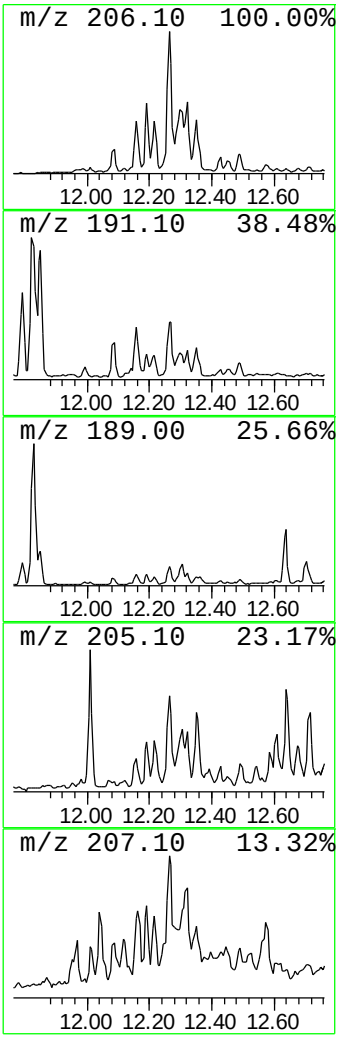
****

Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	2.22 ng	155168	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
3	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	87
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082420\
Data File : BF121417.D
Acq On : 25 Aug 2020 00:36
Operator : JU/CG
Sample : L3780-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-082120-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

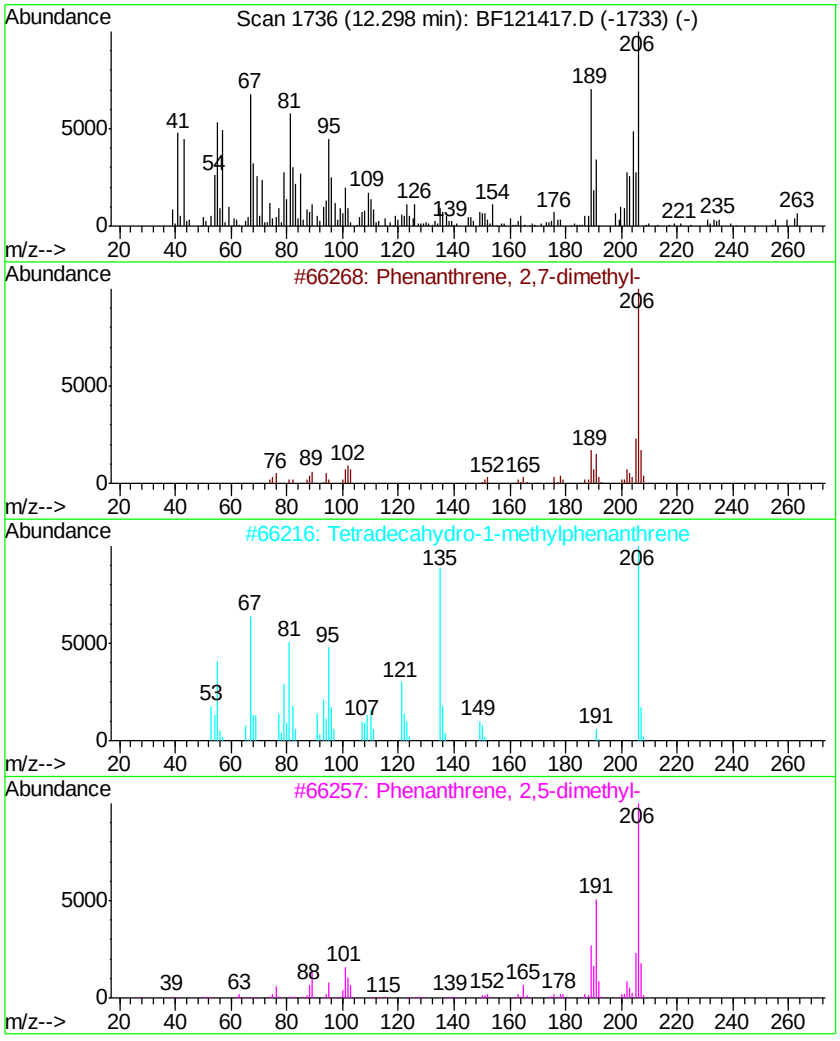
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

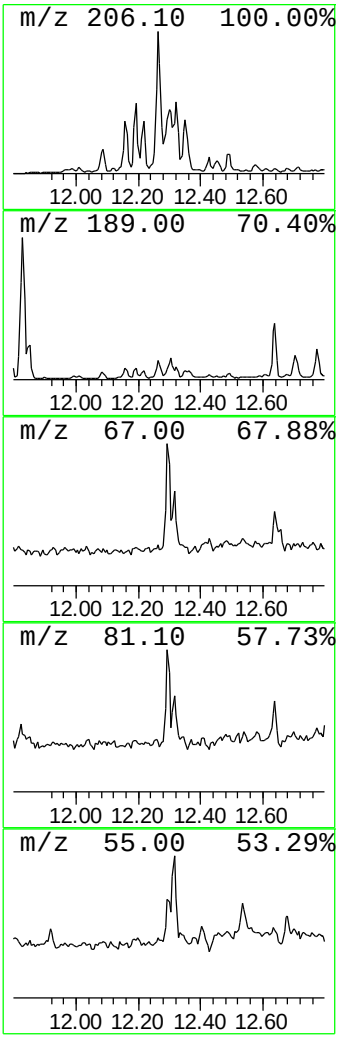
****

Peak Number 13 unknown12.30 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	3.79 ng	264847	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	46
2	Tetradecahydro-1-methylphenanthrene	206	C15H26	1000080-19-6	42
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	41
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	38
5	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082420\
Data File : BF121417.D
Acq On : 25 Aug 2020 00:36
Operator : JU/CG
Sample : L3780-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-082120-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

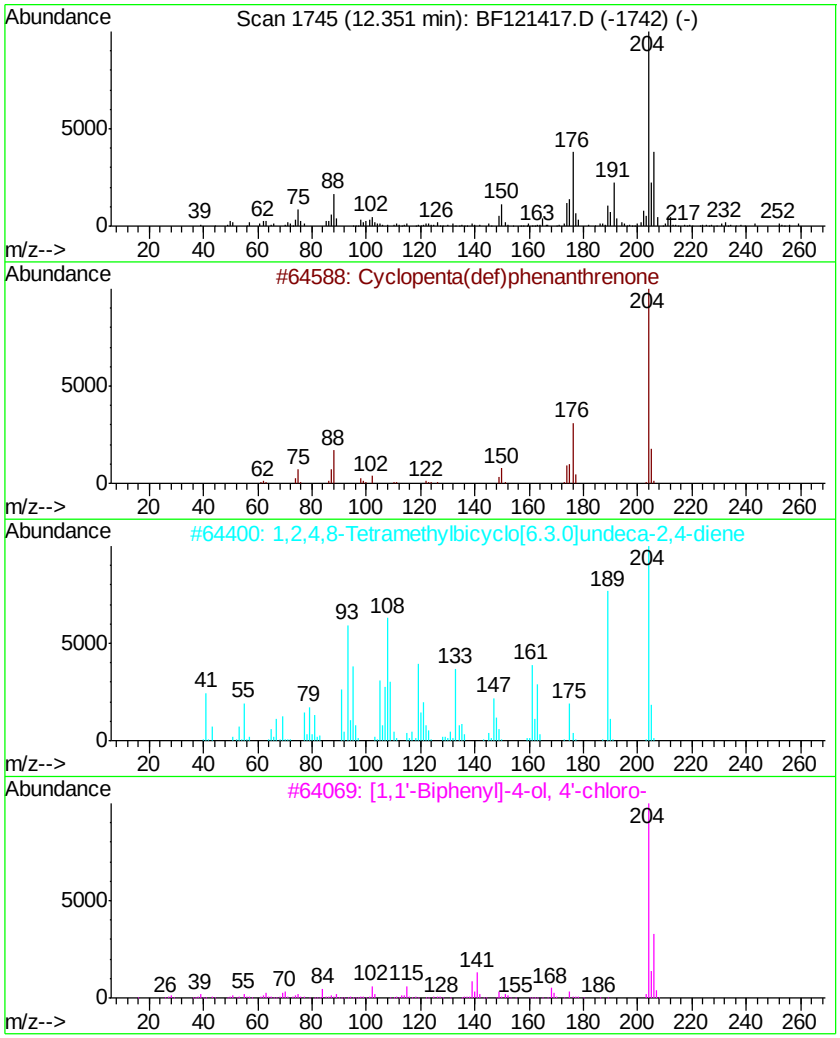
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

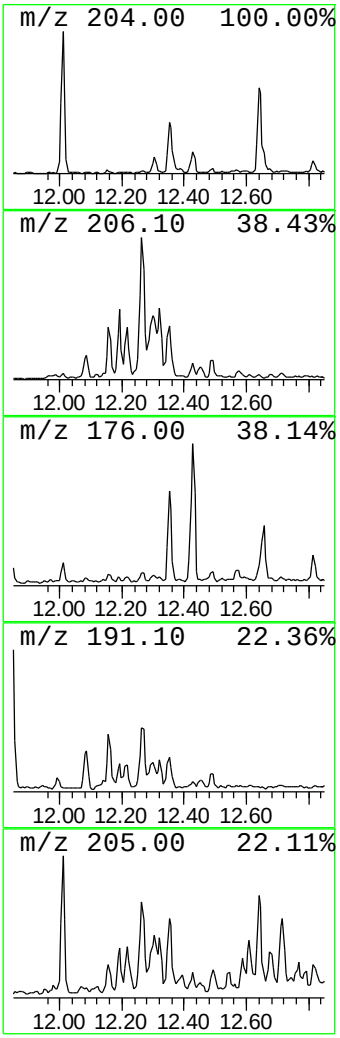
****

Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	2.09 ng	145947	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	87
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	46
3	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	46
4	Pyrimido[5,4-b]benzofurane, 4-ch...	204	C10H5ClN2O	039876-88-5	43
5	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	43





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082420\
Data File : BF121417.D
Acq On : 25 Aug 2020 00:36
Operator : JU/CG
Sample : L3780-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-082120-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

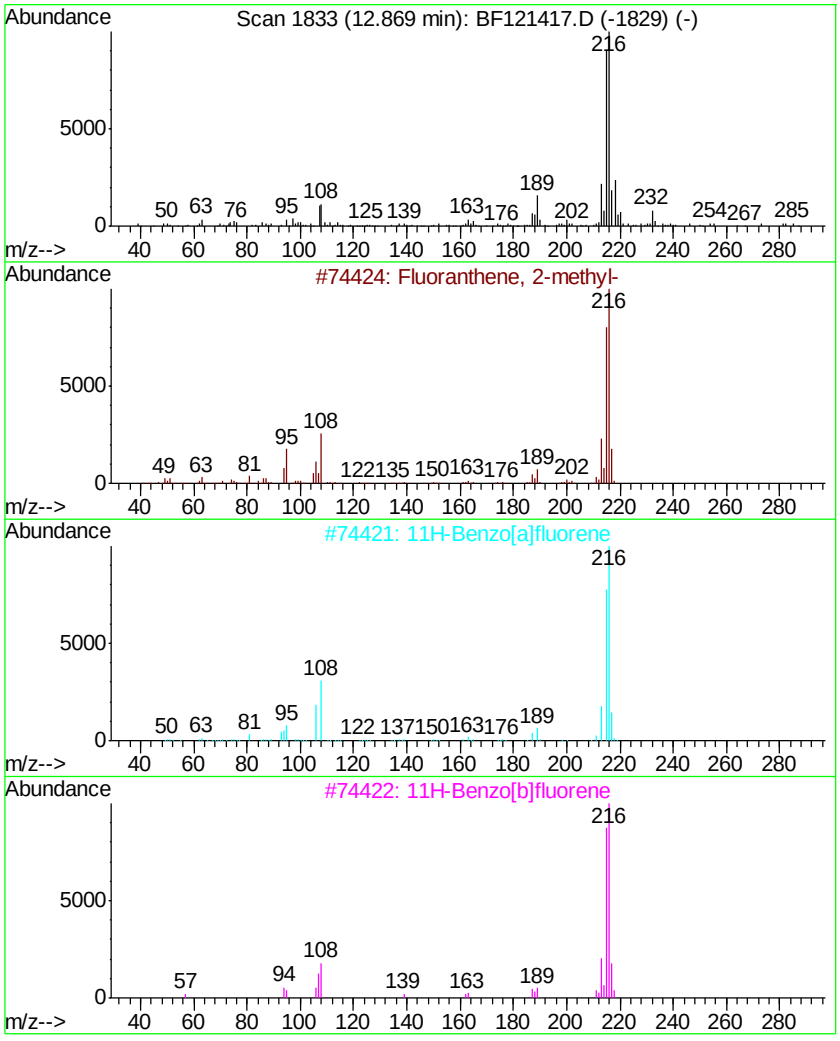
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

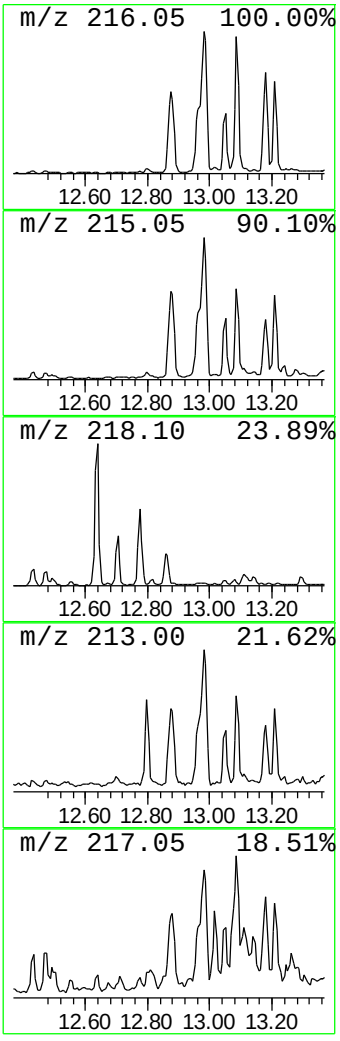
****

Peak Number 15 Fluoranthene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	2.56 ng	228891	Chrysene-d12	13.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	74
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	74
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	70
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	70





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082420\
Data File : BF121417.D
Acq On : 25 Aug 2020 00:36
Operator : JU/CG
Sample : L3780-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-082120-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

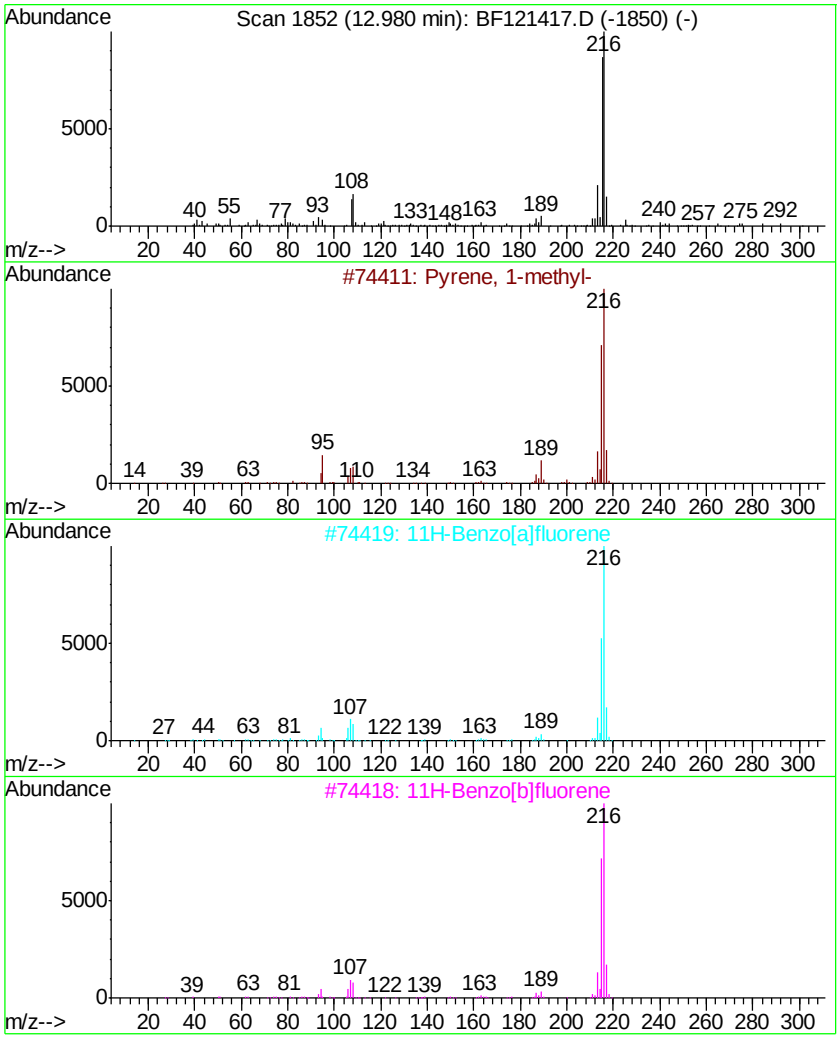
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

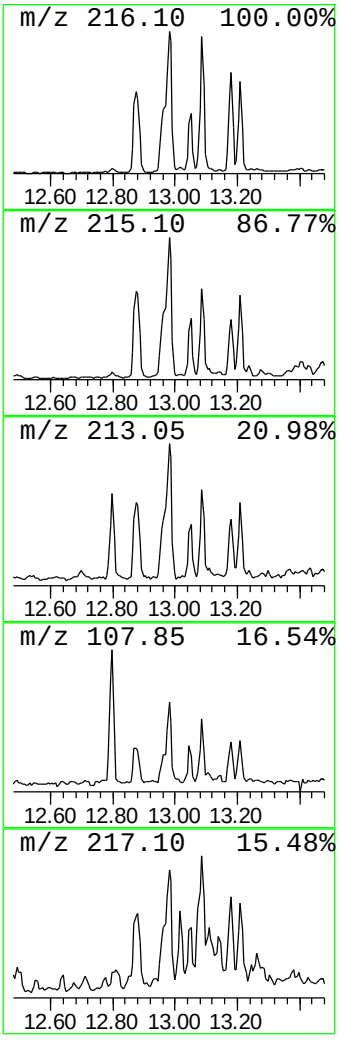
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.98	2.26 ng	201803	Chrysene-d12	13.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64
5	1,3,5-Triazine-2,4,6-triamine, N...	216	C10H12N6	046731-79-7	59





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082420\
Data File : BF121417.D
Acq On : 25 Aug 2020 00:36
Operator : JU/CG
Sample : L3780-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-082120-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

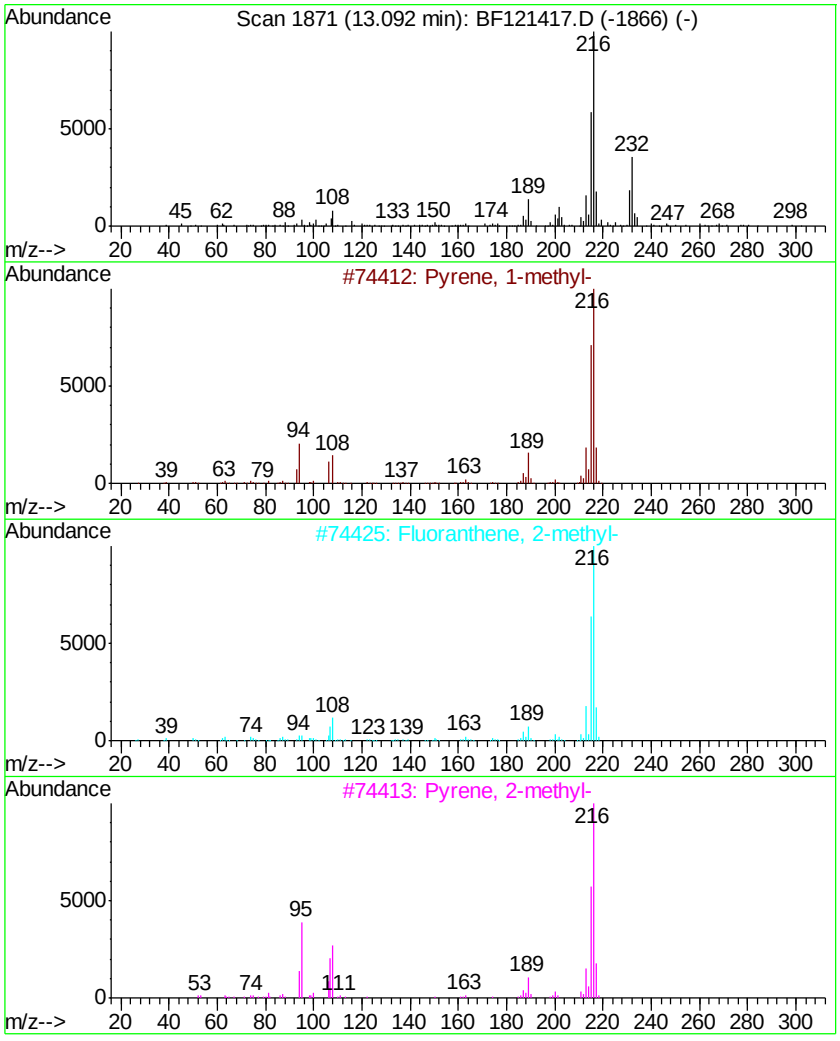
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

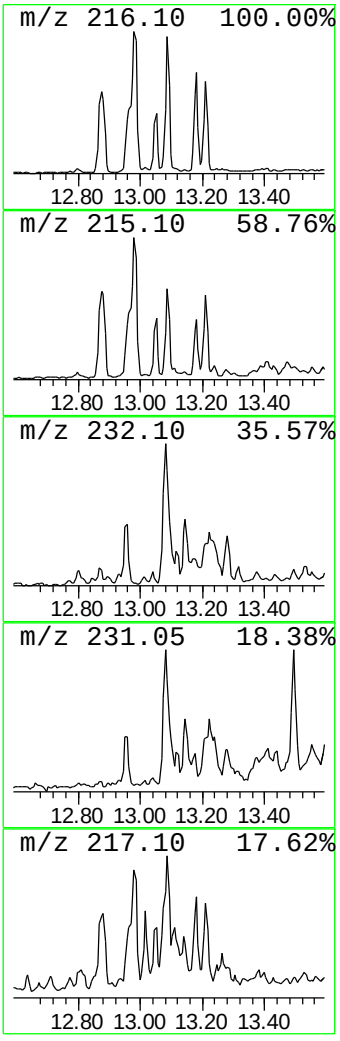
****

Peak Number 17 Pyrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.09	3.25 ng	290264	Chrysene-d12	13.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	86
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	60





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082420\
Data File : BF121417.D
Acq On : 25 Aug 2020 00:36
Operator : JU/CG
Sample : L3780-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-082120-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

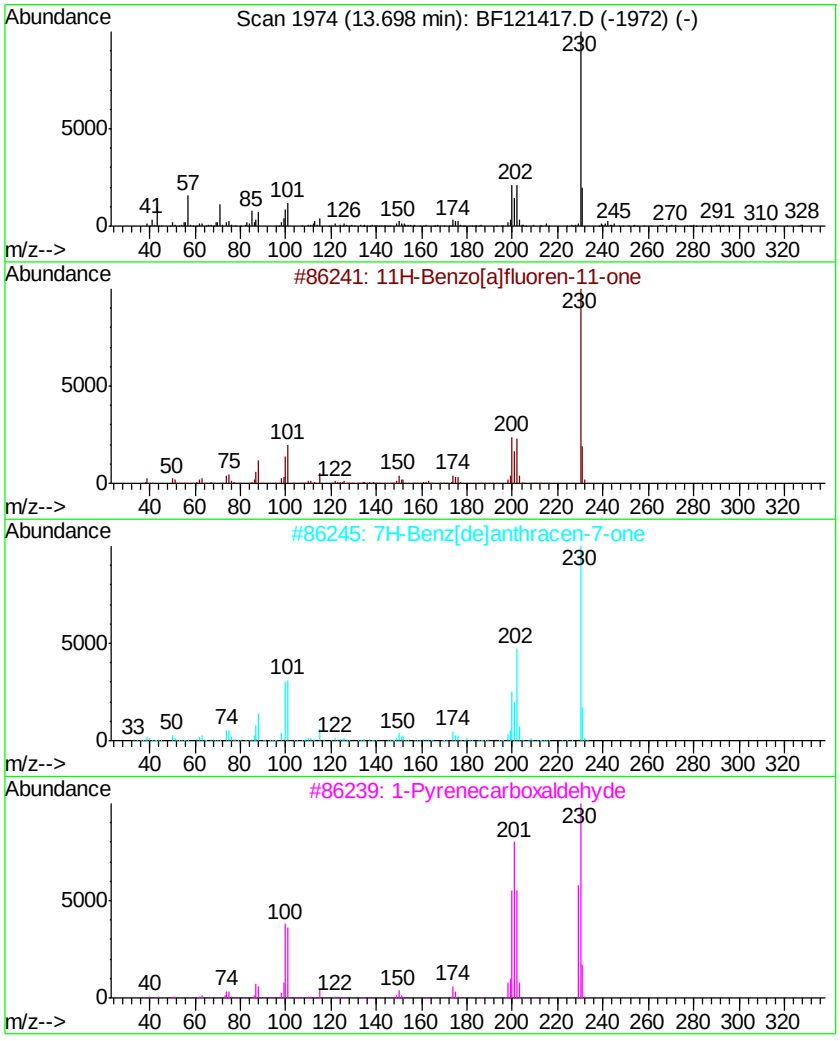
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

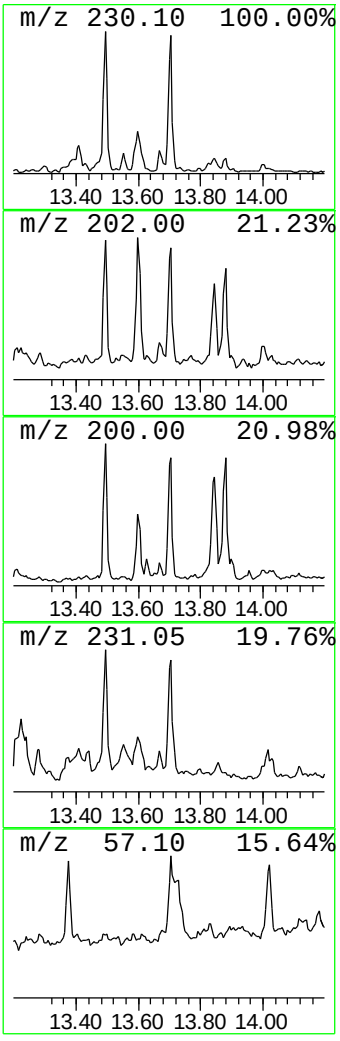
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.70	2.27 ng	202463	Chrysene-d12	13.86

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	90
3	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	64
4	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	56
5	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	53





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082420\
Data File : BF121417.D
Acq On : 25 Aug 2020 00:36
Operator : JU/CG
Sample : L3780-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-082120-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

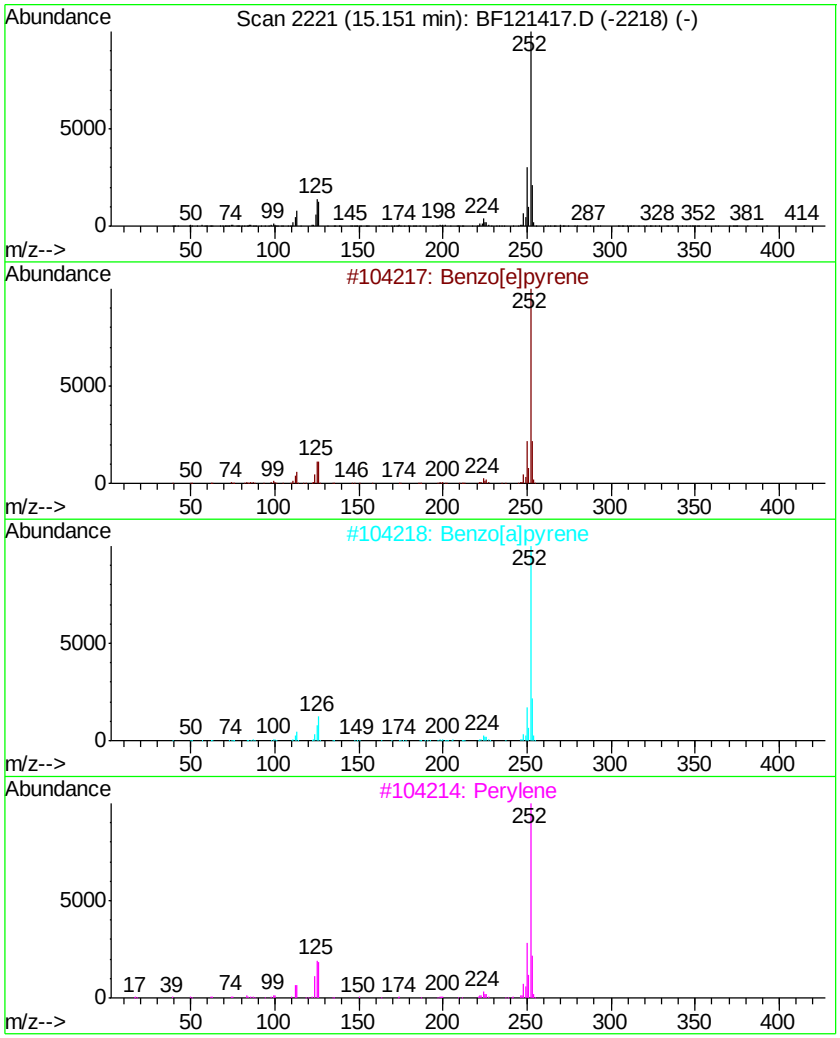
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

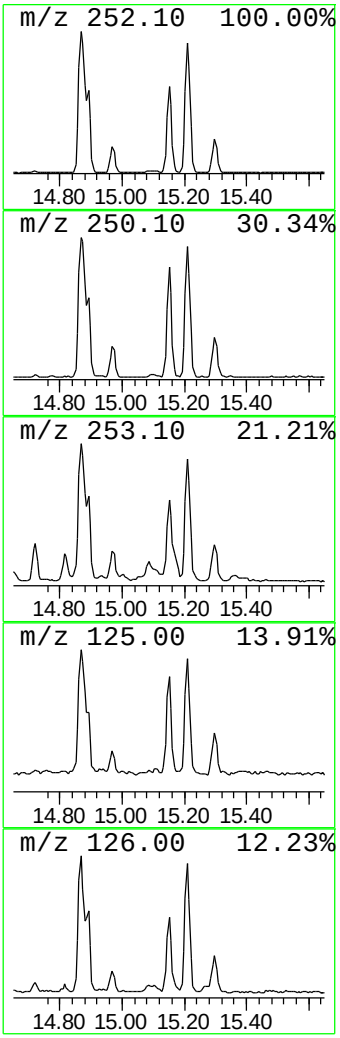
****

Peak Number 19 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.15	7.34 ng	403772	Perylene-d12	15.27

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	Perylene	252	C20H12	000198-55-0	96
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082420\
Data File : BF121417.D
Acq On : 25 Aug 2020 00:36
Operator : JU/CG
Sample : L3780-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-082120-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081920.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
unknown11.07	11.07	2.9	ng	205857	4	11.22	1399420	20.0
Dibenzothiophene	11.11	3.2	ng	223199	4	11.22	1399420	20.0
1,1'-Biphenyl, 2-...	11.45	2.5	ng	172147	4	11.22	1399420	20.0
Phenanthrene, 2-m...	11.72	4.2	ng	295372	4	11.22	1399420	20.0
Phenanthrene, 1-m...	11.75	7.3	ng	513548	4	11.22	1399420	20.0
Phenanthrene, 3-m...	11.79	2.4	ng	164236	4	11.22	1399420	20.0
4H-Cyclopenta[def...	11.83	6.5	ng	455065	4	11.22	1399420	20.0
Anthracene, 9-met...	11.85	2.5	ng	177074	4	11.22	1399420	20.0
Naphthalene, 2-ph...	12.01	2.8	ng	198999	4	11.22	1399420	20.0
Phenanthrene, 2,5...	12.26	2.2	ng	155168	4	11.22	1399420	20.0
unknown12.30	12.30	3.8	ng	264847	4	11.22	1399420	20.0
Cyclopenta(def)ph...	12.35	2.1	ng	145947	4	11.22	1399420	20.0
Fluoranthene, 2-m...	12.87	2.6	ng	228891	5	13.86	1785870	20.0
Pyrene, 1-methyl-	12.98	2.3	ng	201803	5	13.86	1785870	20.0
Pyrene, 2-methyl-	13.09	3.3	ng	290264	5	13.86	1785870	20.0
11H-Benzo[a]fluor...	13.70	2.3	ng	202463	5	13.86	1785870	20.0
Benzo[e]pyrene	15.15	7.3	ng	403772	6	15.27	1100360	20.0