LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121772.D
Acq On : 1 Oct 2020 17:43
Operator : JU/CG
Sample : L4179-12 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-11(9-11)

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-BF091020.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	5.381	557	560	571	rBV	174309	183093	10.07%	0.806%
2	6.404	731	734	748	rBV	192597	197361	10.86%	0.868%
3	6.769	792	796	811	rVB	1081154	877602	48.27%	3.861%
4	7.328	888	891	903	rBV	128004	129819	7.14%	0.571%
5	8.051	1009	1014	1017	rBV	1329216	1143527	62.90%	5.031%
6	8.075	1017	1018	1026	rVB	123656	72041	3.96%	0.317%
7	8.763	1132	1135	1142	rBV	39934	40145	2.21%	0.177%
8	8.863	1149	1152	1159	rVB	42958	36089	1.99%	0.159%
9	9.128	1193	1197	1207	rVB	311068	256436	14.11%	1.128%
10	9.392	1237	1242	1246	rBV2	17024	22737	1.25%	0.100%
11	9.463	1250	1254	1257	rBV	37032	35659	1.96%	0.157%
12	9.522	1262	1264	1268	rVV	30226	24828	1.37%	0.109%
13	9.580	1270	1274	1280	rVV2	17911	19054	1.05%	0.084%
14	9.663	1285	1288	1292	rVB	71165	61290	3.37%	0.270%
15	9.804	1306	1312	1315	rBV	1451961	1230677	67.70%	5.415%
16	9.839	1315	1318	1321	rVB	197052	170430	9.37%	0.750%
17	10.010	1343	1347	1351	rBV	115246	96194	5.29%	0.423%
18	10.351	1401	1405	1411	rVB	213398	173731	9.56%	0.764%
19	10.510	1429	1432	1435	rVB	51466	42738	2.35%	0.188%
20	10.592	1440	1446	1450	rBV	181998	176967	9.73%	0.779%
21	10.722	1462	1468	1471	rVB5	22162	28932	1.59%	0.127%
22	10.898	1492	1498	1501	rBV3	45068	60387	3.32%	0.266%
23	11.027	1515	1520	1522	rBV2	25947	31725	1.75%	0.140%
24	11.092	1528	1531	1535	rVB	80895	74540	4.10%	0.328%
25	11.139	1535	1539	1544	rVV3	31572	51501	2.83%	0.227%
26	11.186	1544	1547	1552	rVB	89509	79854	4.39%	0.351%
27	11.286	1560	1564	1566	rBV	1169996	1130603	62.19%	4.974%
28	11.316	1566	1569	1572	rVV	1640624	1425476	78.41%	6.272%
29	11.363	1572	1577	1580	rVV	443818	392435	21.59%	1.727%
30	11.398	1580	1583	1586	rVB2	41046	39267	2.16%	0.173%
31	11.521	1598	1604	1607	rBV2	188914	198394	10.91%	0.873%
32	11.586	1612	1615	1618	rVV2	43234	38986	2.14%	0.172%
33	11.621	1618	1621	1625	rVB2	37618	39501	2.17%	0.174%
34	11.792	1644	1650	1652	rBV	168766	168823	9.29%	0.743%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121772.D
Acq On : 1 Oct 2020 17:43
Operator : JU/CG
Sample : L4179-12 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-11(9-11)

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-BF091020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.816	1652	1654	1658	rVB	230601	200881	11.05%	0.884%
36	11.863	1658	1662	1665	rBV	108356	91369	5.03%	0.402%
37	11.904	1665	1669	1671	rVV	262758	298579	16.42%	1.314%
38	11.921	1671	1672	1677	rVB	112173	80676	4.44%	0.355%
39	11.969	1677	1680	1682	rBV2	24649	24898	1.37%	0.110%
40	11.992	1682	1684	1687	rVB2	29787	23918	1.32%	0.105%
41	12.086	1697	1700	1702	rBV	123431	101248	5.57%	0.445%
42	12.110	1702	1704	1708	rVB	93974	76312	4.20%	0.336%
43	12.233	1720	1725	1728	rBV3	43565	49885	2.74%	0.219%
44	12.263	1728	1730	1732	rVV	40385	33450	1.84%	0.147%
45	12.286	1732	1734	1737	rVB	36396	32582	1.79%	0.143%
46	12.339	1739	1743	1745	rVV	86163	94166	5.18%	0.414%
47	12.374	1746	1749	1751	rVV	62924	76446	4.21%	0.336%
48	12.398	1751	1753	1755	rVV	30844	26735	1.47%	0.118%
49	12.427	1755	1758	1762	rVB	82525	94081	5.18%	0.414%
50	12.504	1767	1771	1774	rVB	1906256	1625794	89.43%	7.153%
51	12.563	1779	1781	1784	rVB	46114	37425	2.06%	0.165%
52	12.592	1784	1786	1789	rVB	39914	32826	1.81%	0.144%
53	12.651	1789	1796	1799	rBV3	63240	113668	6.25%	0.500%
54	12.727	1802	1809	1813	rBV2	1291882	1571908	86.47%	6.916%
55	12.774	1815	1817	1822	rVB2	65014	75209	4.14%	0.331%
56	12.845	1826	1829	1831	rBV	84830	91037	5.01%	0.401%
57	12.868	1831	1833	1835	rBV	249891	188297	10.36%	0.828%
58	12.945	1840	1846	1850	rBV3	102839	190966	10.50%	0.840%
59	12.980	1850	1852	1854	rVB	39520	30809	1.69%	0.136%
60	13.033	1857	1861	1862	rBV3	76041	87594	4.82%	0.385%
61	13.057	1862	1865	1868	rVB	237520	209485	11.52%	0.922%
62	13.092	1868	1871	1872	rBV2	28307	29904	1.64%	0.132%
63	13.121	1873	1876	1879	rVV	146446	124203	6.83%	0.546%
64	13.157	1879	1882	1885	rVV2	138495	162600	8.94%	0.715%
65	13.186	1885	1887	1890	rVB2	40928	40260	2.21%	0.177%
66	13.216	1890	1892	1895	rBV2	33877	28989	1.59%	0.128%
67	13.251	1895	1898	1901	rVB	64353	53048	2.92%	0.233%
68	13.280	1901	1903	1907	rBV2	70833	75156	4.13%	0.331%
69	13.445	1927	1931	1933	rBV3	38075	57751	3.18%	0.254%
70	13.539	1944	1947	1948	rBV2	29587	28526	1.57%	0.126%
71	13.563	1948	1951	1955	rVB	127015	130284	7.17%	0.573%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121772.D
Acq On : 1 Oct 2020 17:43
Operator : JU/CG
Sample : L4179-12 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-11(9-11)

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-BF091020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.674	1966	1970	1972	rBV2	141646	145956	8.03%	0.642%
73	13.704	1972	1975	1977	rVV	118416	121267	6.67%	0.534%
74	13.727	1977	1979	1980	rVV	94008	79023	4.35%	0.348%
75	13.774	1984	1987	1992	rVB	133332	134100	7.38%	0.590%
76	13.927	2005	2013	2015	rBV2	1244994	1817962	100.00%	7.998%
77	13.951	2015	2017	2020	rVB	673549	525426	28.90%	2.312%
78	14.033	2028	2031	2033	rVB	122470	98542	5.42%	0.434%
79	14.115	2043	2045	2047	rVB	58243	42982	2.36%	0.189%
80	14.151	2047	2051	2054	rVB2	76501	92855	5.11%	0.409%
81	14.310	2076	2078	2082	rVB	124801	106002	5.83%	0.466%
82	14.345	2082	2084	2088	rVB	59729	49690	2.73%	0.219%
83	14.433	2097	2099	2101	rBV	65506	62211	3.42%	0.274%
84	14.457	2101	2103	2106	rVB2	69394	59716	3.28%	0.263%
85	14.621	2128	2131	2133	rBV3	51997	55262	3.04%	0.243%
86	14.951	2183	2187	2190	rBV	641697	909676	50.04%	4.002%
87	15.057	2202	2205	2208	rBV	113717	117562	6.47%	0.517%
88	15.245	2233	2237	2243	rVB	363116	460850	25.35%	2.028%
89	15.304	2243	2247	2252	rBV	578018	674508	37.10%	2.968%
90	15.368	2253	2258	2261	rBV	743330	973710	53.56%	4.284%
91	16.780	2492	2498	2506	rVB2	277002	533936	29.37%	2.349%
92	16.945	2522	2526	2530	rBV	55607	91263	5.02%	0.402%
93	17.203	2563	2570	2580	rVB	208341	450343	24.77%	1.981%
94	17.427	2605	2608	2614	rVB	49021	84432	4.64%	0.371%

Sum of corrected areas: 22729081

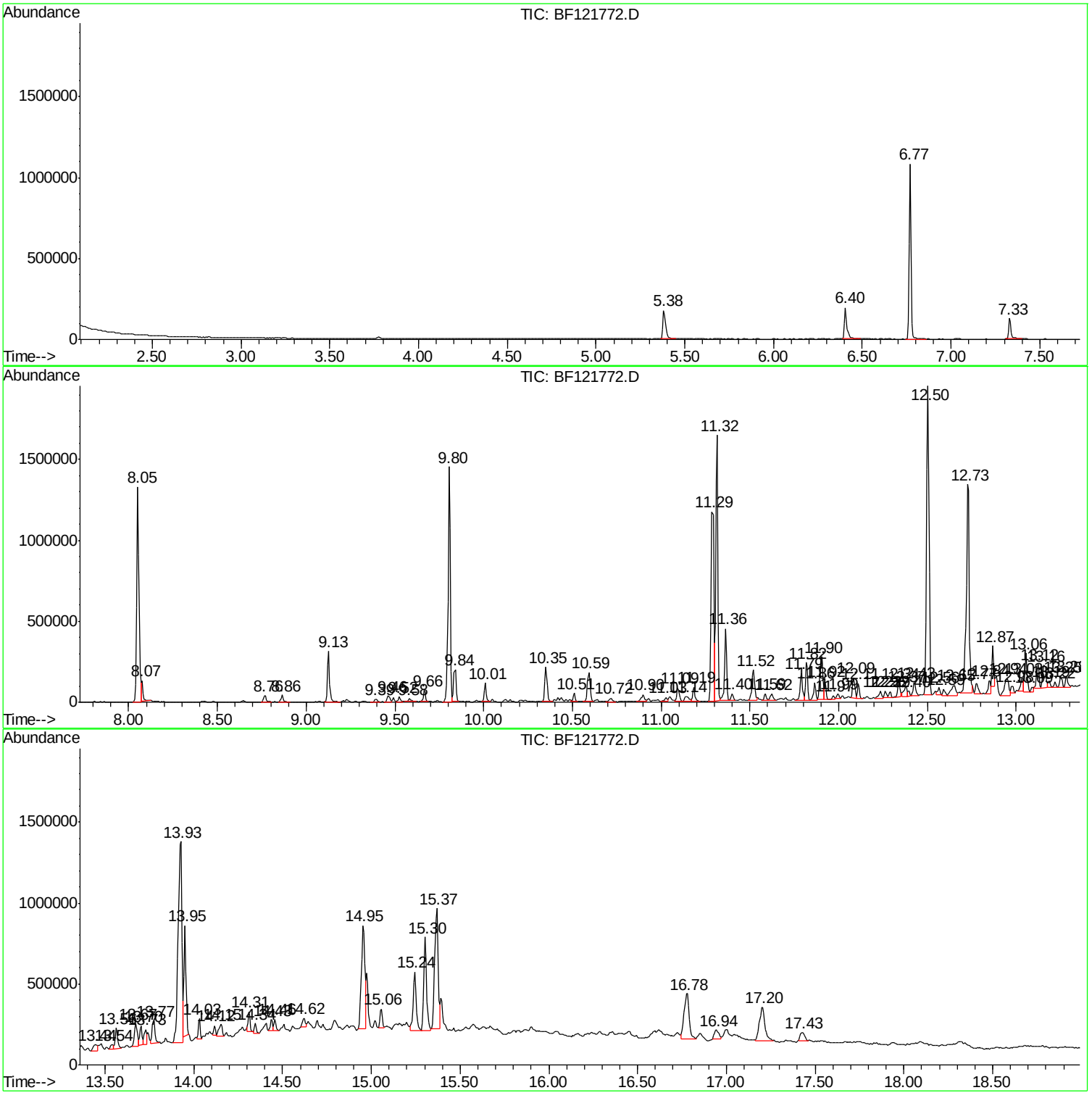
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121772.D
Acq On : 1 Oct 2020 17:43
Operator : JU/CG
Sample : L4179-12 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-11(9-11)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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\BF100120\
Data File : BF121772.D
Acq On : 1 Oct 2020 17:43
Operator : JU/CG
Sample : L4179-12 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-11(9-11)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

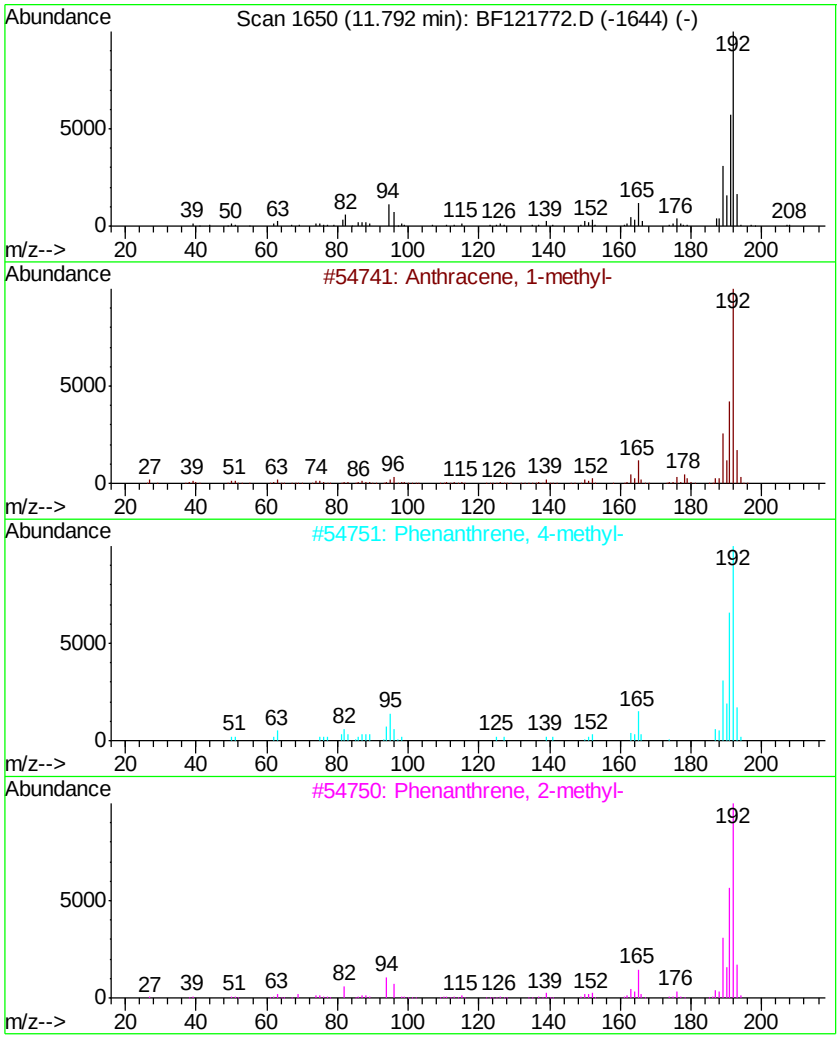
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

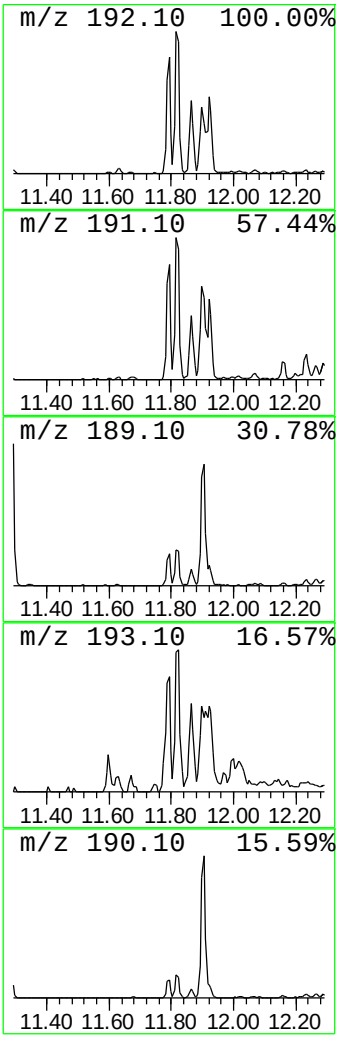
****

Peak Number 1 Anthracene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	2.99 ng	168823	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121772.D
Acq On : 1 Oct 2020 17:43
Operator : JU/CG
Sample : L4179-12 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-11(9-11)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

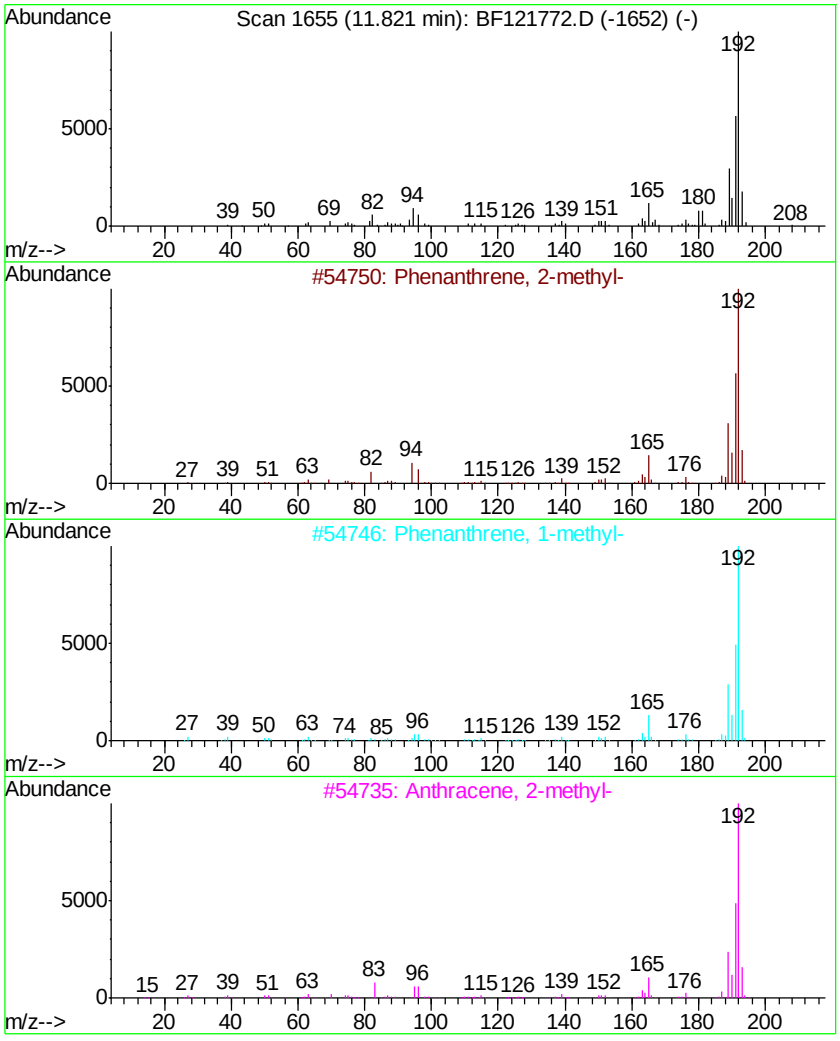
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

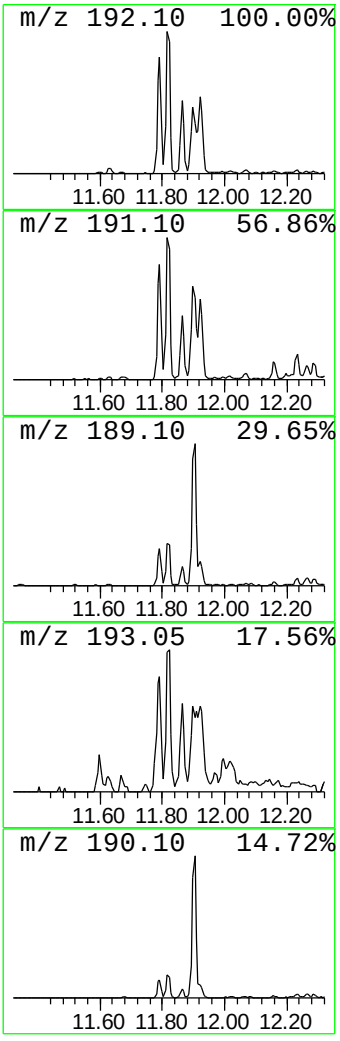
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	3.55 ng	200881	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121772.D
Acq On : 1 Oct 2020 17:43
Operator : JU/CG
Sample : L4179-12 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-11(9-11)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

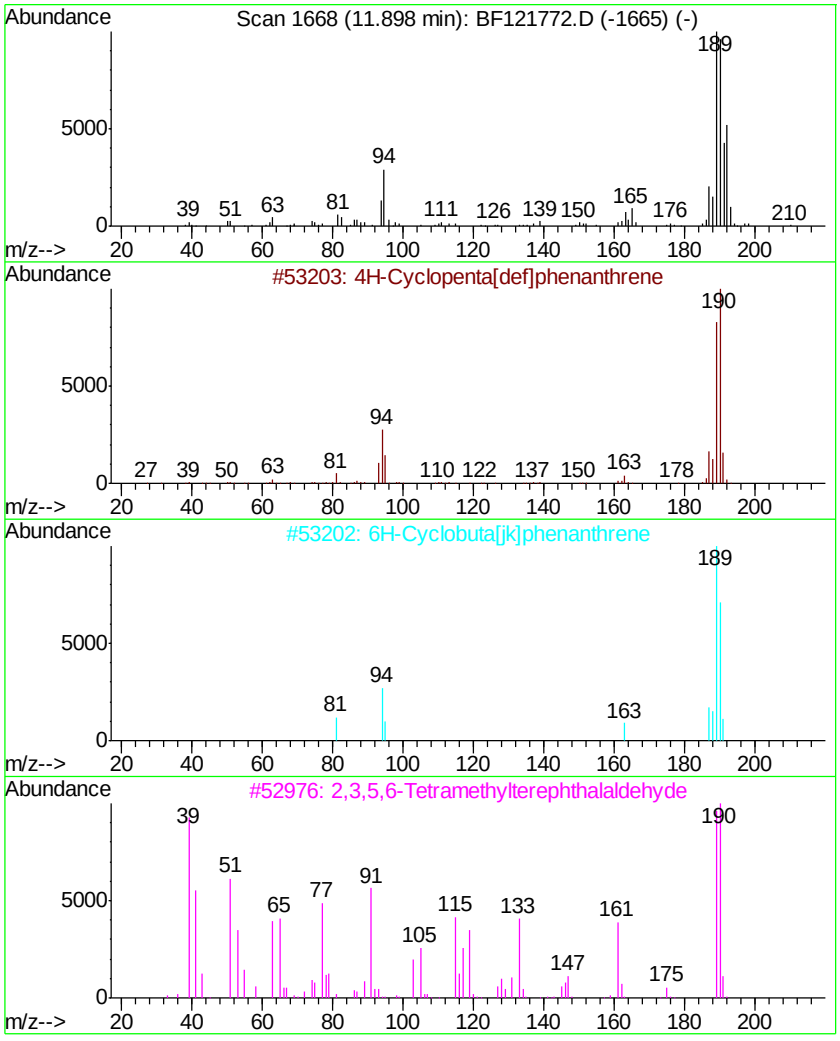
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

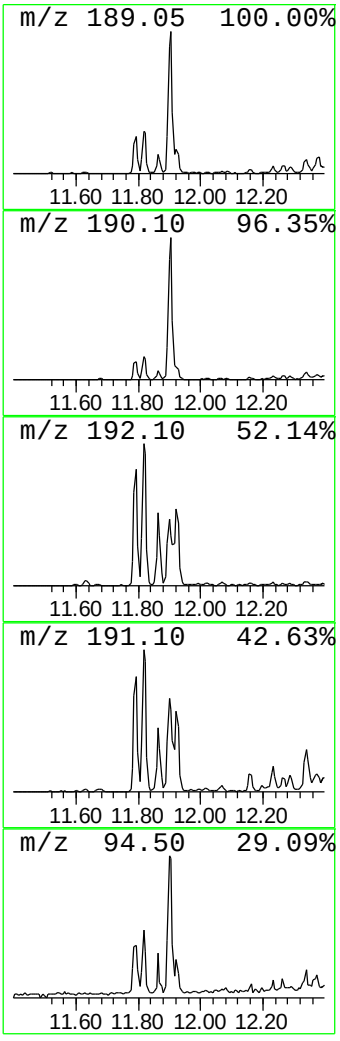
****

Peak Number 3 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	5.28 ng	298579	Phenanthrene-d10	11.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	56
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40
5	2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	30





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121772.D
Acq On : 1 Oct 2020 17:43
Operator : JU/CG
Sample : L4179-12 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-11(9-11)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

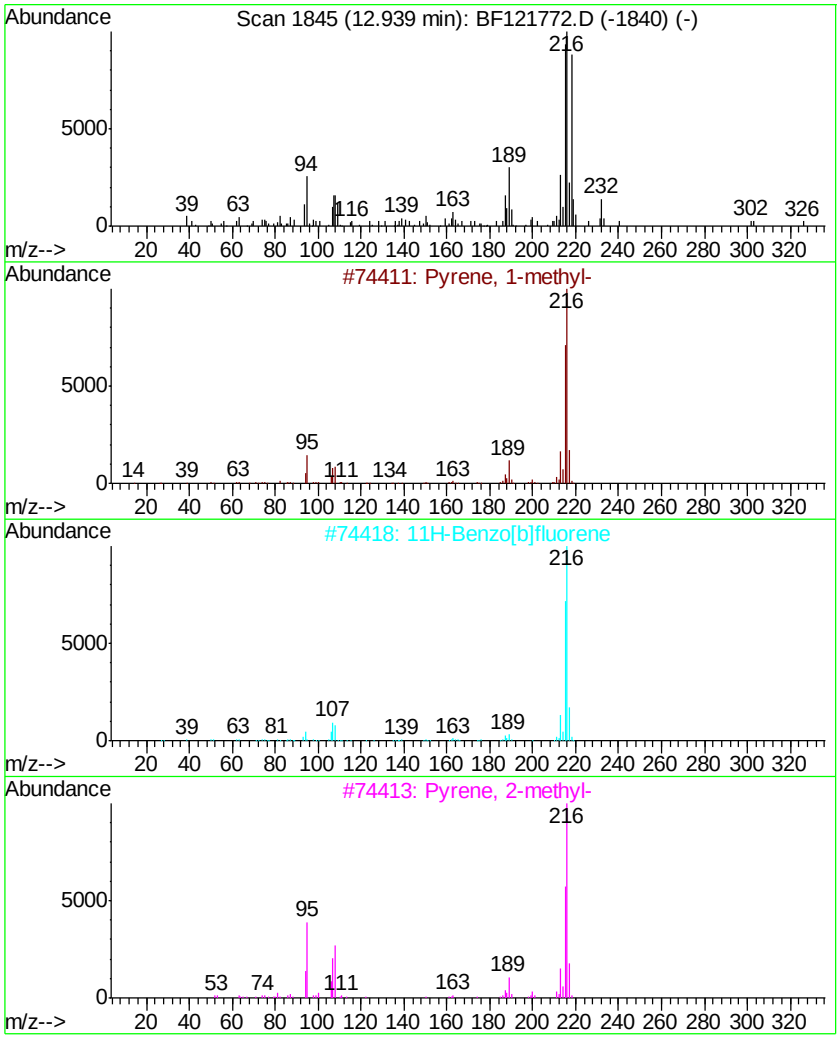
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

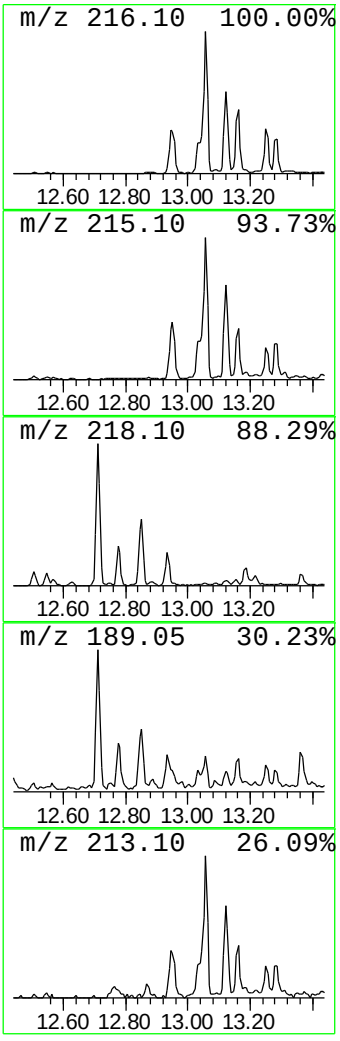
****

Peak Number 4 Pyrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.94	2.10 ng	190966	Chrysene-d12	13.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121772.D
Acq On : 1 Oct 2020 17:43
Operator : JU/CG
Sample : L4179-12 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-11(9-11)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

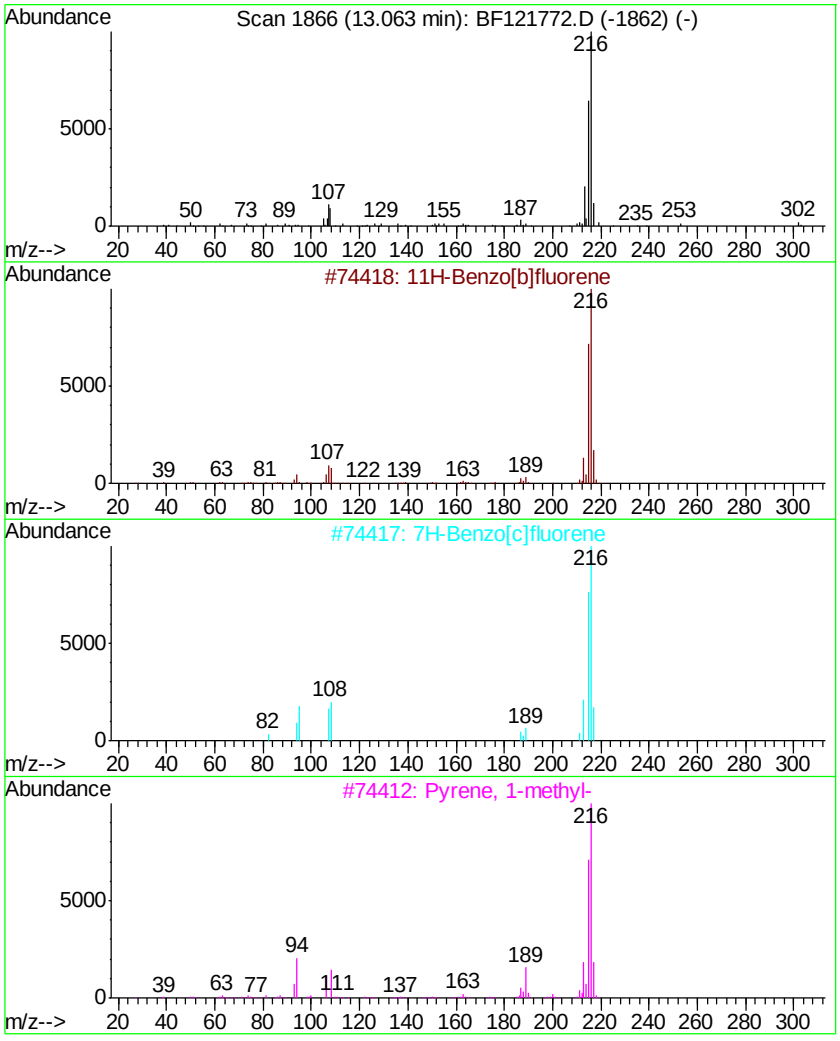
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

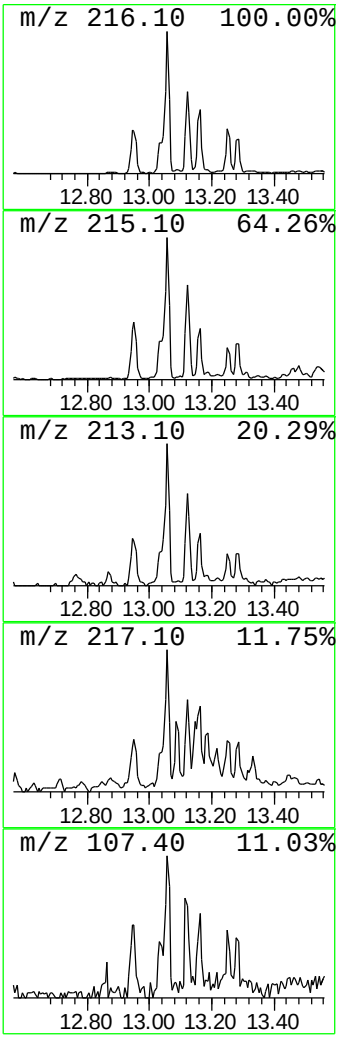
****

Peak Number 5 11H-Benzo[b]fluorene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.06	2.30 ng	209485	Chrysene-d12	13.93

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	68





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121772.D
Acq On : 1 Oct 2020 17:43
Operator : JU/CG
Sample : L4179-12 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-11(9-11)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

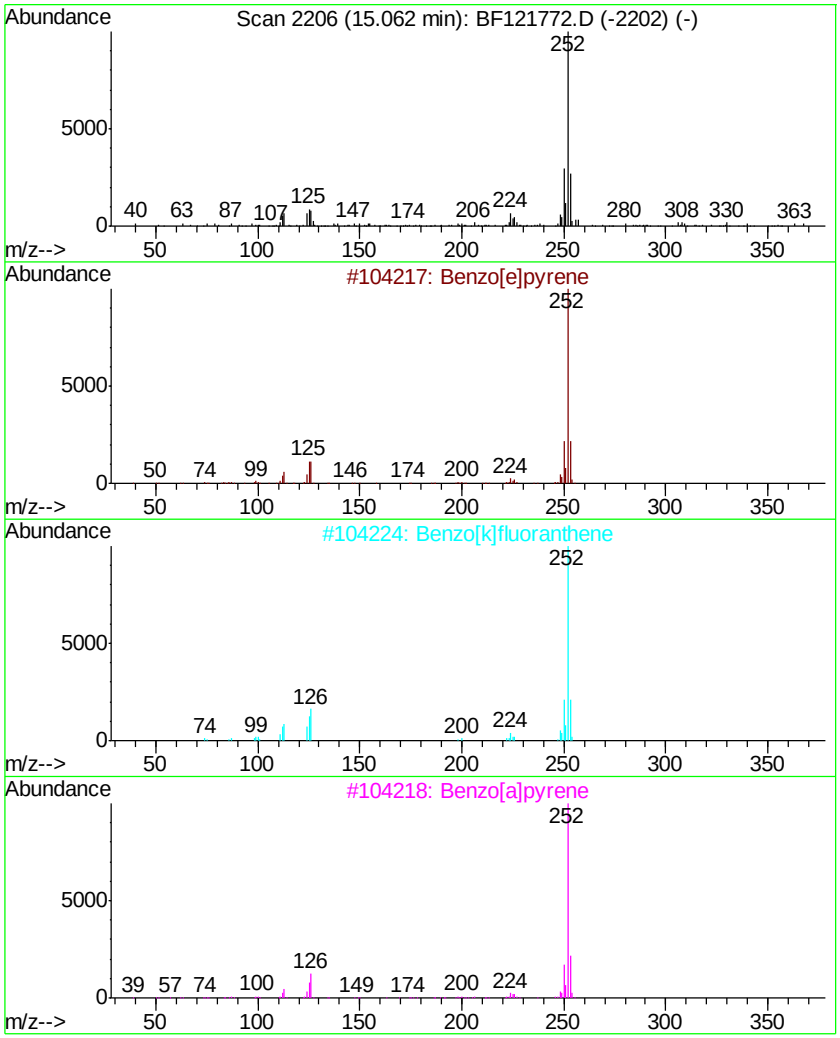
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

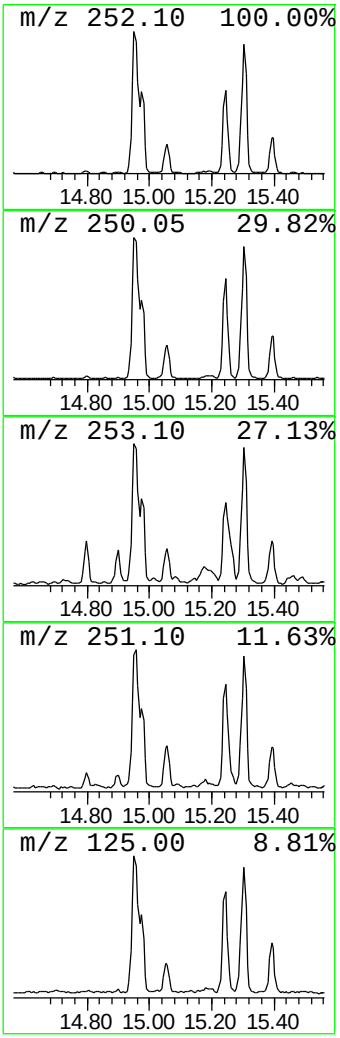
****

Peak Number 6 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.06	2.41 ng	117562	Perylene-d12	15.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Benzo[a]pyrene	252	C20H12	000050-32-8	96
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF100120\
Data File : BF121772.D
Acq On : 1 Oct 2020 17:43
Operator : JU/CG
Sample : L4179-12 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-11(9-11)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Anthracene, 1-met...	11.79	3.0	ng	168823	4	11.29	1130600	20.0
Phenanthrene, 2-m...	11.82	3.5	ng	200881	4	11.29	1130600	20.0
4H-Cyclopenta[def...	11.90	5.3	ng	298579	4	11.29	1130600	20.0
Pyrene, 1-methyl-	12.94	2.1	ng	190966	5	13.93	1817960	20.0
11H-Benzo[b]fluorene	13.06	2.3	ng	209485	5	13.93	1817960	20.0
Benzo[e]pyrene	15.06	2.4	ng	117562	6	15.37	973710	20.0