LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121107.D
Acq On : 29 Jul 2020 17:55
Operator : JU/CG
Sample : L3181-06 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-072720

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-BF071620.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	5.410	562	565	575	rVB	638969	616994	43.31%	3.816%
2	6.434	736	739	748	rBV	682656	618437	43.41%	3.825%
3	6.634	770	773	776	rBV2	19161	20598	1.45%	0.127%
4	6.798	798	801	805	rBV	985309	877733	61.61%	5.429%
5	7.357	893	896	901	rBV	458414	398261	27.95%	2.463%
6	8.086	1016	1020	1023	rBV	1250842	1124796	78.95%	6.957%
7	8.892	1154	1157	1161	rVB	19047	18681	1.31%	0.116%
8	9.157	1198	1202	1213	rBV	1070323	849862	59.65%	5.256%
9	9.427	1243	1248	1252	rBV2	14404	19513	1.37%	0.121%
10	9.498	1257	1260	1262	rVV	22788	20320	1.43%	0.126%
11	9.551	1266	1269	1273	rBV	129247	126323	8.87%	0.781%
12	9.698	1290	1294	1298	rBV	73088	67179	4.72%	0.415%
13	9.751	1299	1303	1304	rBV4	28041	27938	1.96%	0.173%
14	9.839	1314	1318	1321	rVV	1487791	1279766	89.83%	7.915%
15	9.869	1321	1323	1327	rVB	28555	24942	1.75%	0.154%
16	9.939	1332	1335	1339	rVB3	10860	14775	1.04%	0.091%
17	10.039	1348	1352	1356	rVB2	34878	33615	2.36%	0.208%
18	10.245	1383	1387	1389	rBV4	16542	24348	1.71%	0.151%
19	10.380	1407	1410	1417	rBV2	47918	51794	3.64%	0.320%
20	10.492	1427	1429	1432	rVB2	22162	19428	1.36%	0.120%
21	10.539	1434	1437	1442	rVB2	16480	16720	1.17%	0.103%
22	10.622	1445	1451	1456	rBV	576257	509642	35.77%	3.152%
23	10.751	1469	1473	1476	rVB2	39717	44787	3.14%	0.277%
24	10.933	1499	1504	1506	rBV	19556	21661	1.52%	0.134%
25	11.216	1550	1552	1557	rVB	42454	39674	2.78%	0.245%
26	11.321	1566	1570	1572	rBV	1530879	1263353	88.68%	7.814%
27	11.345	1572	1574	1577	rVV	391596	302850	21.26%	1.873%
28	11.392	1580	1582	1586	rVB	122697	112502	7.90%	0.696%
29	11.427	1586	1588	1592	rBV3	18809	23173	1.63%	0.143%
30	11.551	1607	1609	1615	rBV4	16273	27922	1.96%	0.173%
31	11.651	1624	1626	1632	rVB2	20308	21004	1.47%	0.130%
32	11.821	1652	1655	1657	rBV	73014	60685	4.26%	0.375%
33	11.851	1657	1660	1665	rVV	133018	133664	9.38%	0.827%
34	11.898	1665	1668	1670	rVV	48777	47641	3.34%	0.295%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121107.D
Acq On : 29 Jul 2020 17:55
Operator : JU/CG
Sample : L3181-06 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-072720

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-BF071620.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.933	1670	1674	1676	rVV	121634	134201	9.42%	0.830%
36	11.957	1676	1678	1682	rVB	52189	46679	3.28%	0.289%
37	12.116	1703	1705	1707	rBV	47689	40247	2.82%	0.249%
38	12.139	1707	1709	1712	rVB3	17764	19276	1.35%	0.119%
39	12.298	1733	1736	1738	rBV	34774	29929	2.10%	0.185%
40	12.321	1738	1740	1742	rVB	20997	15319	1.08%	0.095%
41	12.368	1745	1748	1751	rBV	56069	57912	4.06%	0.358%
42	12.410	1751	1755	1760	rVV4	42165	72253	5.07%	0.447%
43	12.457	1760	1763	1768	rVB3	28798	33584	2.36%	0.208%
44	12.533	1772	1776	1779	rBV	625179	538815	37.82%	3.333%
45	12.580	1781	1784	1785	rBV	17866	15707	1.10%	0.097%
46	12.627	1789	1792	1795	rBV	42840	40514	2.84%	0.251%
47	12.686	1800	1802	1806	rBV2	18591	18166	1.28%	0.112%
48	12.757	1809	1814	1817	rBV	516446	552157	38.76%	3.415%
49	12.780	1817	1818	1821	rVB2	31915	25844	1.81%	0.160%
50	12.880	1832	1835	1836	rBV	34112	33046	2.32%	0.204%
51	12.904	1836	1839	1845	rVB	955431	823415	57.80%	5.093%
52	12.974	1847	1851	1856	rBV2	44543	73282	5.14%	0.453%
53	13.063	1863	1866	1867	rBV2	36328	35856	2.52%	0.222%
54	13.086	1867	1870	1873	rVB	118650	112257	7.88%	0.694%
55	13.151	1879	1881	1884	rVB	75715	67842	4.76%	0.420%
56	13.192	1884	1888	1891	rBV3	70688	91626	6.43%	0.567%
57	13.280	1901	1903	1906	rVB	35761	28983	2.03%	0.179%
58	13.315	1906	1909	1913	rBV	50414	58477	4.10%	0.362%
59	13.704	1973	1975	1978	rVB	38670	36402	2.56%	0.225%
60	13.733	1978	1980	1982	rBV	41971	31939	2.24%	0.198%
61	13.757	1982	1984	1988	rBV3	40923	52211	3.66%	0.323%
62	13.810	1989	1993	2000	rVB3	59972	97237	6.83%	0.601%
63	13.957	2013	2018	2021	rBV2	1255134	1424688	100.00%	8.812%
64	13.980	2021	2022	2025	rVB	318929	192674	13.52%	1.192%
65	14.062	2034	2036	2038	rVB	47935	35471	2.49%	0.219%
66	14.986	2189	2193	2196	rBV	287032	443967	31.16%	2.746%
67	15.062	2203	2206	2208	rBV	73250	67371	4.73%	0.417%
68	15.280	2240	2243	2249	rVB	190522	217334	15.25%	1.344%
69	15.339	2249	2253	2259	rVB	277231	322232	22.62%	1.993%
70	15.404	2259	2264	2267	rBV	983585	1187487	83.35%	7.344%
71	16.821	2501	2505	2514	rVB2	128181	233441	16.39%	1.444%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121107.D
Acq On : 29 Jul 2020 17:55
Operator : JU/CG
Sample : L3181-06 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-072720

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-BF071620.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Sum of corrected areas: 16168422

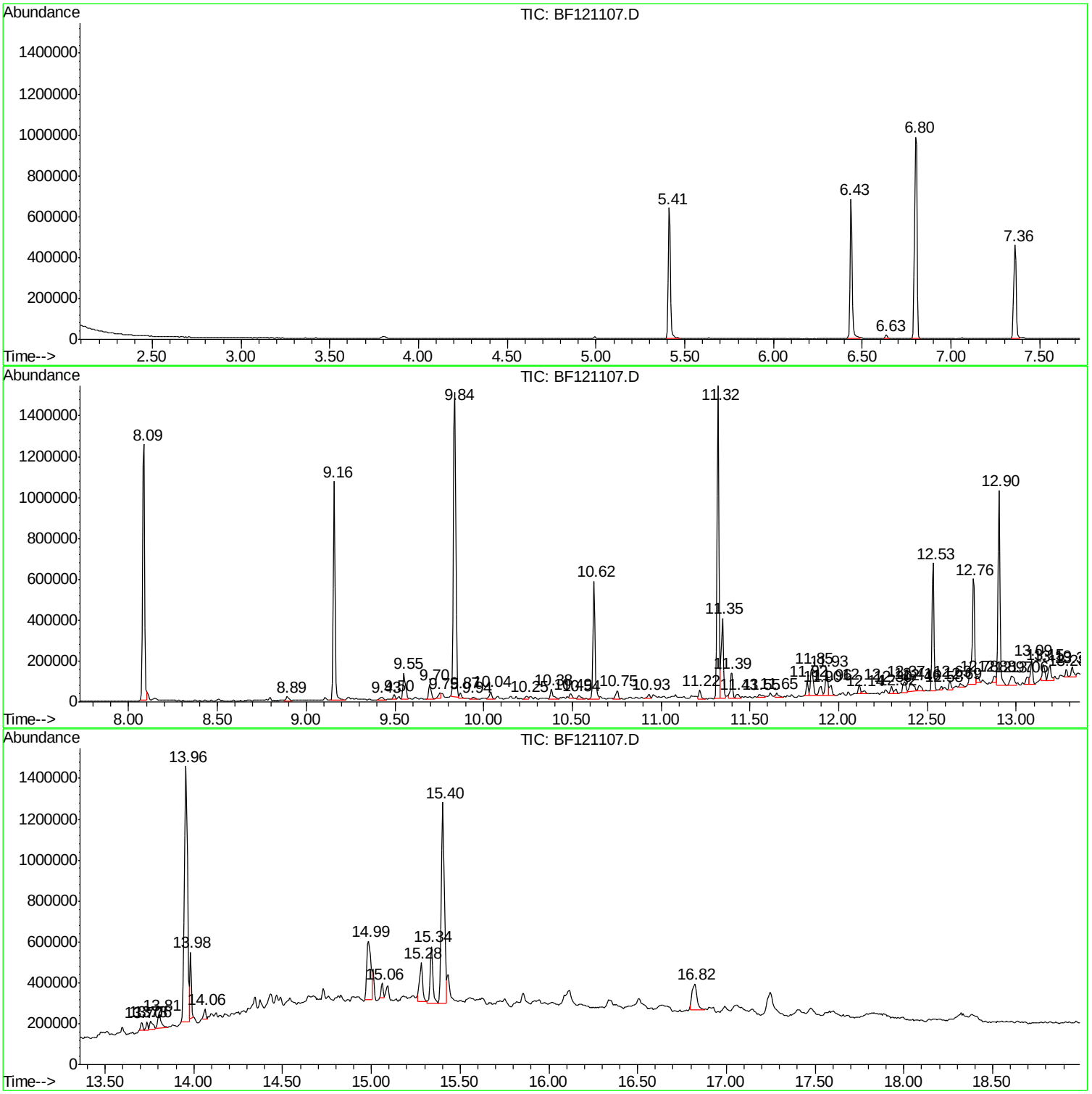
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121107.D
Acq On : 29 Jul 2020 17:55
Operator : JU/CG
Sample : L3181-06 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-072720

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.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\BF072920\
Data File : BF121107.D
Acq On : 29 Jul 2020 17:55
Operator : JU/CG
Sample : L3181-06 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-072720

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

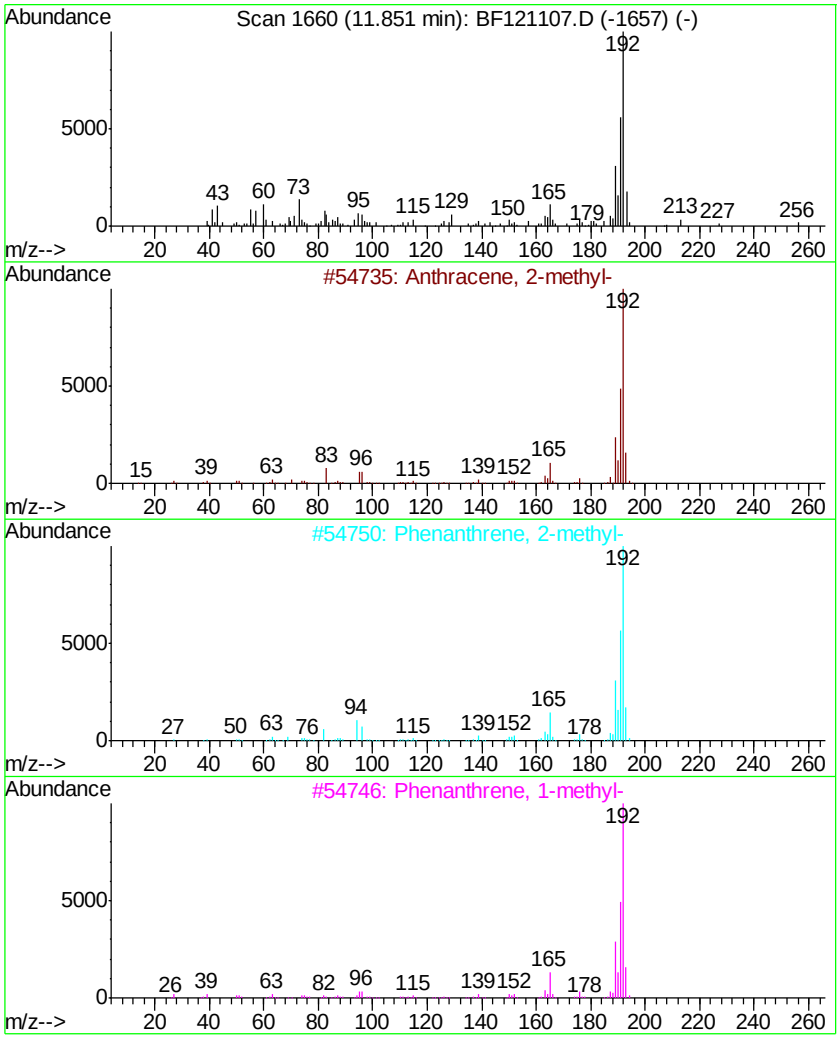
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

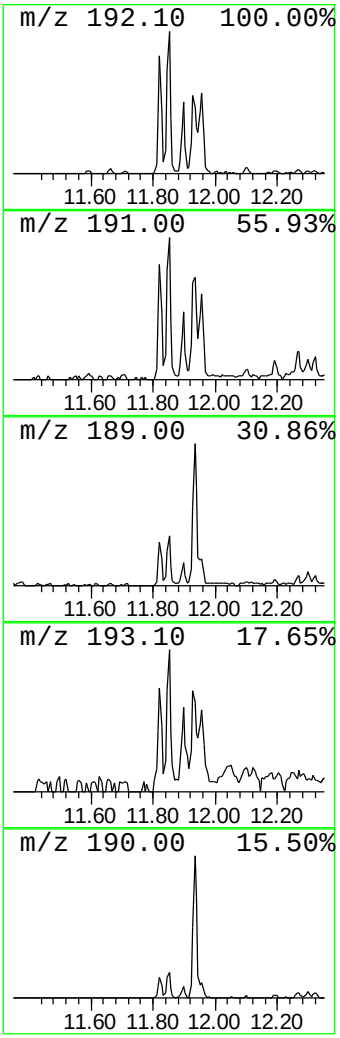
****

Peak Number 1 Anthracene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	2.12 ng	133664	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	89





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121107.D
Acq On : 29 Jul 2020 17:55
Operator : JU/CG
Sample : L3181-06 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-072720

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

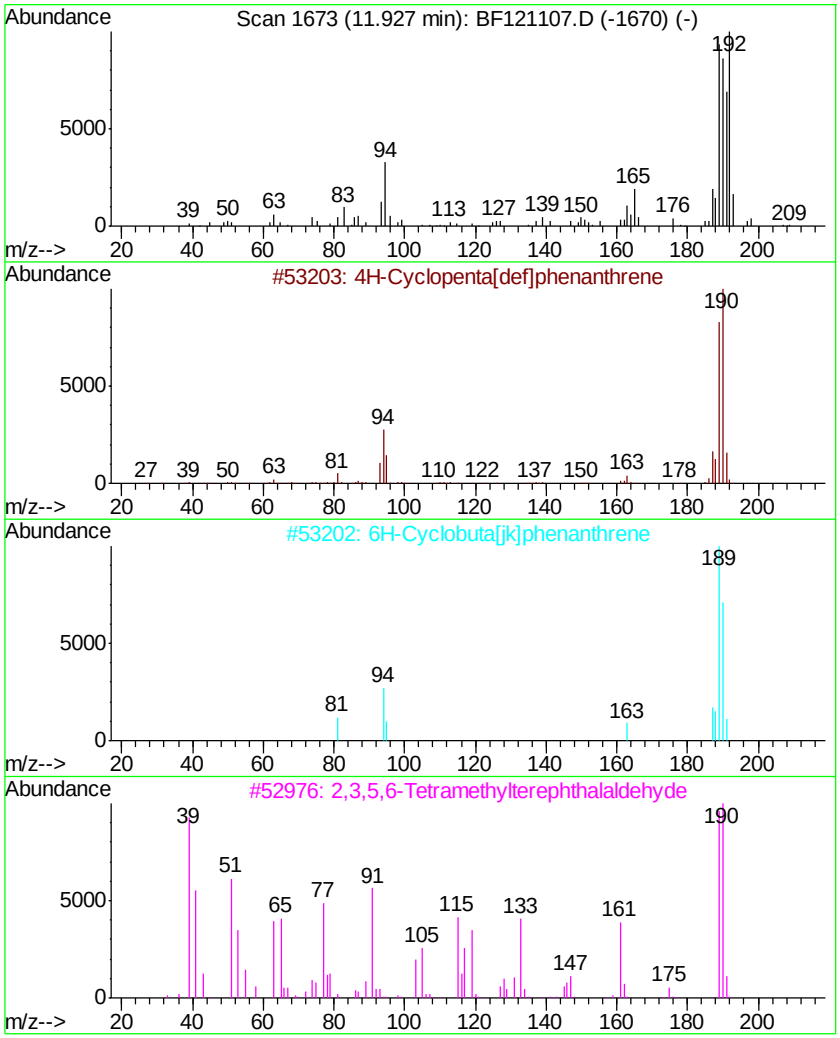
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

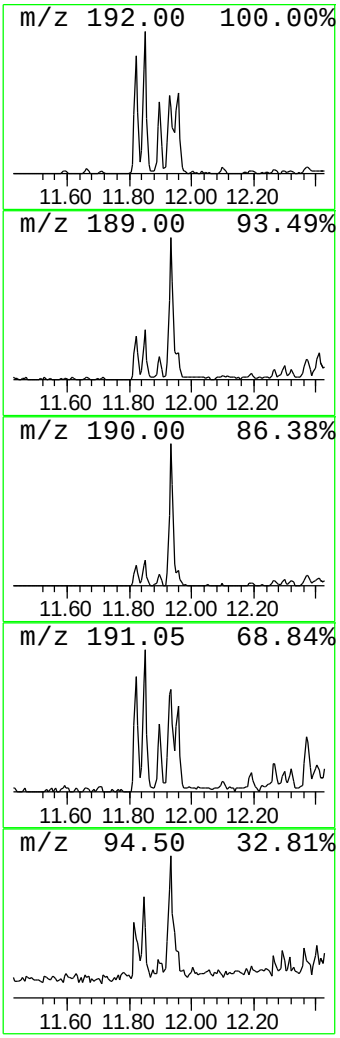
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	2.12 ng	134201	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	58
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	46
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	25
5	Carbonic acid, 2-formyl-4,6-dich...	276	C11H10Cl2O4	1000331-39-3	23





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121107.D
Acq On : 29 Jul 2020 17:55
Operator : JU/CG
Sample : L3181-06 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-072720

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

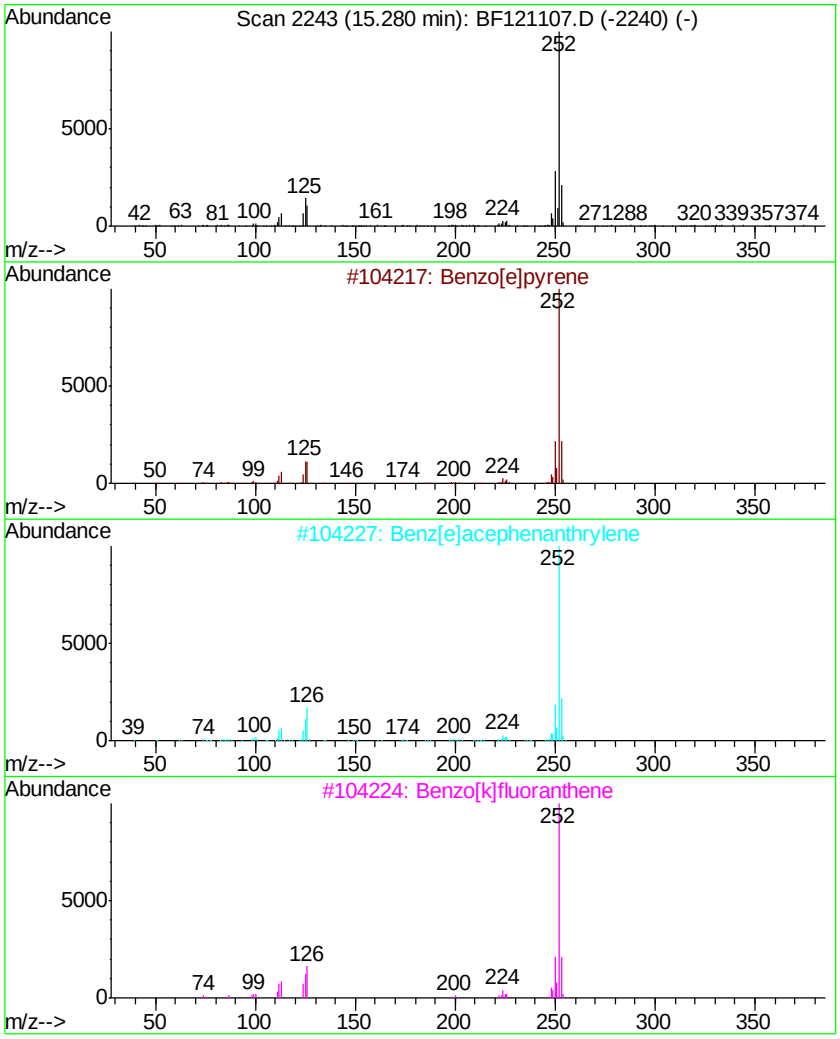
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

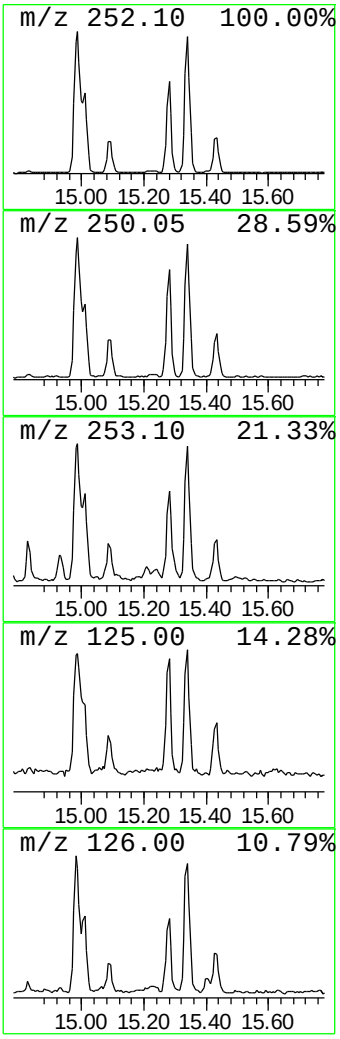
****

Peak Number 3 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.28	3.66 ng	217334	Perylene-d12	15.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
4	Benzo[a]pyrene	252	C20H12	000050-32-8	95
5	Perylene	252	C20H12	000198-55-0	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072920\
Data File : BF121107.D
Acq On : 29 Jul 2020 17:55
Operator : JU/CG
Sample : L3181-06 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-072720

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF071620.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, 2-met...	11.85	2.1	ng	133664	4	11.32	1263350	20.0
4H-Cyclopenta[def...	11.93	2.1	ng	134201	4	11.32	1263350	20.0
Benzo[e]pyrene	15.28	3.7	ng	217334	6	15.40	1187490	20.0