LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121119.D
Acq On : 30 Jul 2020 00:04
Operator : JU/CG
Sample : L3436-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1

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	5.416	563	566	582	rVB	571405	556125	31.05%	2.647%
2	6.439	737	740	756	rBV	593670	585674	32.70%	2.788%
3	6.639	769	774	777	rBV3	22409	25075	1.40%	0.119%
4	6.804	799	802	806	rBV	1122282	977231	54.56%	4.652%
5	7.069	843	847	852	rBV2	21857	25451	1.42%	0.121%
6	7.363	894	897	902	rBV	365130	303115	16.92%	1.443%
7	7.839	974	978	982	rBV4	13028	20311	1.13%	0.097%
8	8.092	1015	1021	1023	rBV	1461145	1244324	69.47%	5.923%
9	8.110	1023	1024	1027	rVB	112500	69847	3.90%	0.332%
10	8.680	1118	1121	1124	rBV2	20150	19685	1.10%	0.094%
11	8.804	1139	1142	1145	rVB2	75735	61318	3.42%	0.292%
12	8.904	1155	1159	1162	rBV	67098	65268	3.64%	0.311%
13	9.163	1199	1203	1208	rBV	907690	692564	38.66%	3.297%
14	9.245	1214	1217	1219	rBV2	41761	40621	2.27%	0.193%
15	9.363	1235	1237	1243	rVB2	23871	28646	1.60%	0.136%
16	9.433	1244	1249	1252	rBV	59725	87146	4.87%	0.415%
17	9.504	1258	1261	1263	rBV	85013	78078	4.36%	0.372%
18	9.527	1263	1265	1267	rVV	59480	46570	2.60%	0.222%
19	9.557	1267	1270	1274	rVV2	128173	136626	7.63%	0.650%
20	9.622	1277	1281	1285	rVB	56012	63022	3.52%	0.300%
21	9.704	1290	1295	1299	rBV	144437	136337	7.61%	0.649%
22	9.845	1312	1319	1322	rBV	1645502	1380539	77.07%	6.571%
23	9.875	1322	1324	1328	rVV	172277	147488	8.23%	0.702%
24	9.910	1328	1330	1333	rVB4	22798	23305	1.30%	0.111%
25	9.951	1333	1337	1341	rBV2	39851	54751	3.06%	0.261%
26	10.004	1341	1346	1347	rBV3	20879	27907	1.56%	0.133%
27	10.045	1349	1353	1357	rVV	108849	106871	5.97%	0.509%
28	10.086	1357	1360	1369	rVB	64859	74038	4.13%	0.352%
29	10.163	1369	1373	1375	rBV2	61805	73213	4.09%	0.348%
30	10.186	1375	1377	1380	rVV	37983	31937	1.78%	0.152%
31	10.251	1384	1388	1390	rBV2	47561	62071	3.47%	0.295%
32	10.269	1390	1391	1394	rVB2	51759	36938	2.06%	0.176%
33	10.298	1394	1396	1399	rBV	25894	21976	1.23%	0.105%
34	10.392	1409	1412	1418	rVB	151127	155199	8.66%	0.739%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121119.D
Acq On : 30 Jul 2020 00:04
Operator : JU/CG
Sample : L3436-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1

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	10.457	1418	1423	1425	rBV	38155	48281	2.70%	0.230%
36	10.498	1428	1430	1433	rVV2	46239	50101	2.80%	0.238%
37	10.545	1435	1438	1442	rVB2	47697	52652	2.94%	0.251%
38	10.633	1447	1453	1456	rBV	347740	361577	20.19%	1.721%
39	10.669	1456	1459	1464	rVB3	20401	35887	2.00%	0.171%
40	10.757	1469	1474	1478	rVB2	95551	115170	6.43%	0.548%
41	10.939	1501	1505	1507	rBV2	60738	62813	3.51%	0.299%
42	10.969	1507	1510	1512	rVB2	37528	35397	1.98%	0.168%
43	11.022	1517	1519	1522	rVB2	39148	32173	1.80%	0.153%
44	11.086	1529	1530	1536	rVB3	34489	31587	1.76%	0.150%
45	11.133	1536	1538	1542	rVB3	37112	35294	1.97%	0.168%
46	11.192	1543	1548	1551	rVV4	52083	80029	4.47%	0.381%
47	11.227	1551	1554	1560	rVB	101520	102398	5.72%	0.487%
48	11.327	1568	1571	1574	rBV	1267479	1301445	72.66%	6.195%
49	11.351	1574	1575	1579	rVV	824220	630049	35.17%	2.999%
50	11.404	1581	1584	1587	rVB	318343	245472	13.70%	1.168%
51	11.439	1587	1590	1593	rBV2	50813	59336	3.31%	0.282%
52	11.563	1608	1611	1619	rBV	66667	83352	4.65%	0.397%
53	11.621	1619	1621	1624	rVV	65193	49832	2.78%	0.237%
54	11.663	1625	1628	1634	rVB2	46853	55429	3.09%	0.264%
55	11.745	1639	1642	1645	rVB	32918	37265	2.08%	0.177%
56	11.833	1654	1657	1659	rBV	152977	144066	8.04%	0.686%
57	11.857	1659	1661	1665	rVB	220079	188641	10.53%	0.898%
58	11.904	1666	1669	1672	rBV	96624	94819	5.29%	0.451%
59	11.945	1672	1676	1678	rVV2	293138	321835	17.97%	1.532%
60	11.963	1678	1679	1683	rVB	128537	105824	5.91%	0.504%
61	12.027	1688	1690	1693	rVV2	46245	41642	2.32%	0.198%
62	12.063	1694	1696	1699	rVB	30840	26214	1.46%	0.125%
63	12.127	1704	1707	1709	rVV	118635	103844	5.80%	0.494%
64	12.151	1709	1711	1715	rVB2	56132	58067	3.24%	0.276%
65	12.257	1727	1729	1730	rBV	32607	24699	1.38%	0.118%
66	12.274	1730	1732	1735	rVB	53086	40699	2.27%	0.194%
67	12.304	1735	1737	1740	rBV	55220	59095	3.30%	0.281%
68	12.380	1747	1750	1753	rBV	143241	152999	8.54%	0.728%
69	12.416	1753	1756	1762	rVB3	138276	233160	13.02%	1.110%
70	12.463	1762	1764	1769	rBV2	84110	112239	6.27%	0.534%
71	12.545	1774	1778	1781	rVV	1328856	1154660	64.46%	5.496%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121119.D
Acq On : 30 Jul 2020 00:04
Operator : JU/CG
Sample : L3436-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1

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

72	12.586	1783	1785	1787	rVV2	42403	40444	2.26%	0.193%
73	12.639	1791	1794	1796	rBV	54907	55019	3.07%	0.262%
74	12.692	1801	1803	1807	rVV3	49007	55251	3.08%	0.263%
75	12.774	1811	1817	1823	rBV	1228828	1410784	78.76%	6.715%
76	12.886	1834	1836	1837	rBV2	60474	49871	2.78%	0.237%
77	12.910	1837	1840	1847	rVB	722551	682235	38.09%	3.247%
78	12.992	1850	1854	1857	rBV2	84585	132285	7.39%	0.630%
79	13.098	1870	1872	1875	rVB	214161	176721	9.87%	0.841%
80	13.145	1878	1880	1881	rVV	73216	56340	3.15%	0.268%
81	13.163	1881	1883	1886	rVB	149297	124457	6.95%	0.592%
82	13.204	1887	1890	1892	rBV2	129998	122972	6.87%	0.585%
83	13.298	1903	1906	1908	rBV	81287	71106	3.97%	0.338%
84	13.327	1908	1911	1914	rBV	96415	98415	5.49%	0.468%
85	13.768	1984	1986	1992	rBV3	84777	149344	8.34%	0.711%
86	13.815	1992	1994	1998	rVB2	135202	132396	7.39%	0.630%
87	13.968	2015	2020	2023	rBV2	1470560	1791261	100.00%	8.526%
88	13.992	2023	2024	2030	rVB	518323	403387	22.52%	1.920%
89	15.004	2193	2196	2199	rBV	307223	396447	22.13%	1.887%
90	15.362	2254	2257	2262	rVB	279425	337883	18.86%	1.608%
91	15.427	2264	2268	2271	rBV	713033	894448	49.93%	4.258%

Sum of corrected areas: 21008375

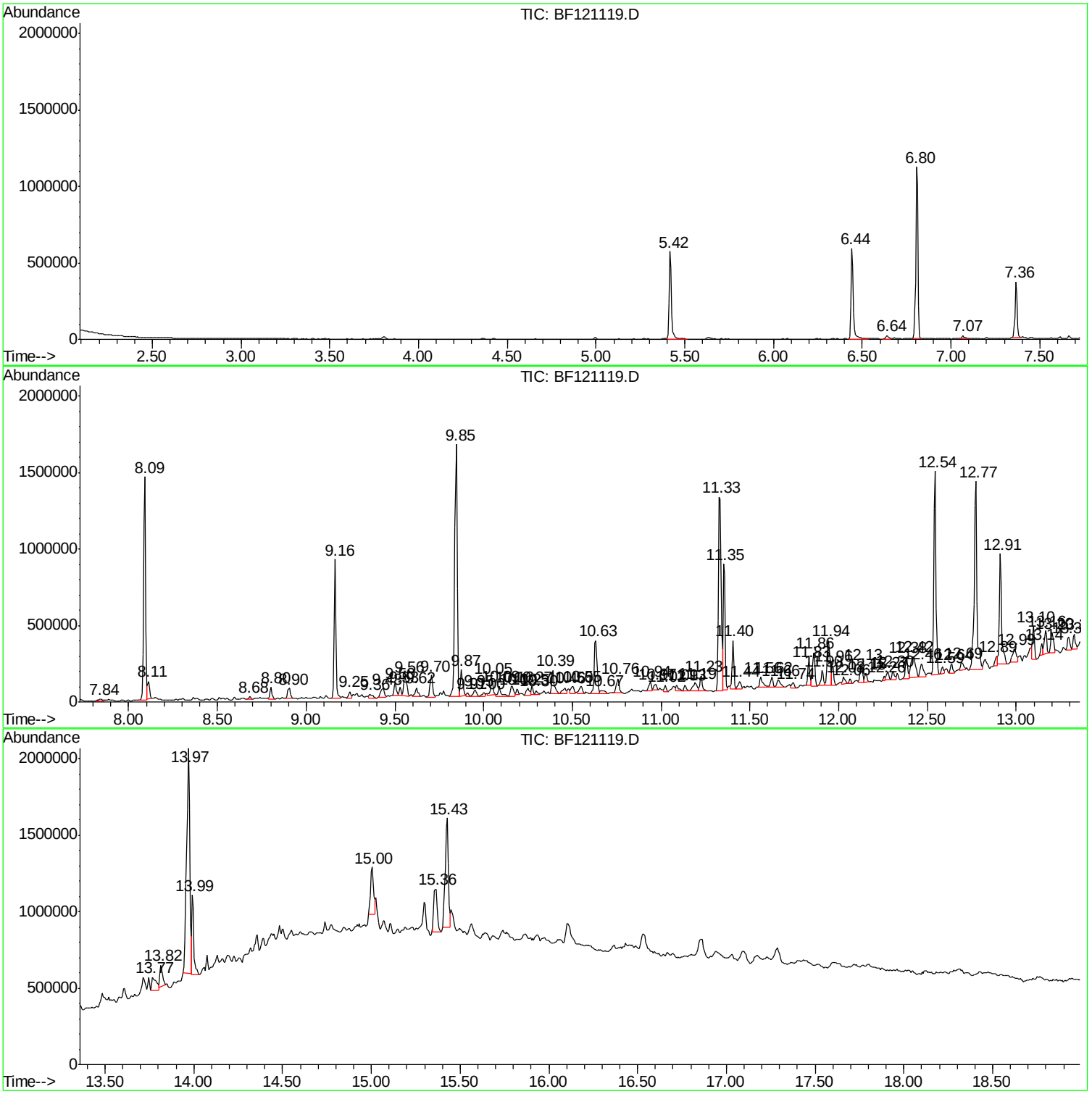
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121119.D
Acq On : 30 Jul 2020 00:04
Operator : JU/CG
Sample : L3436-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
1

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 : BF121119.D
Acq On : 30 Jul 2020 00:04
Operator : JU/CG
Sample : L3436-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1

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

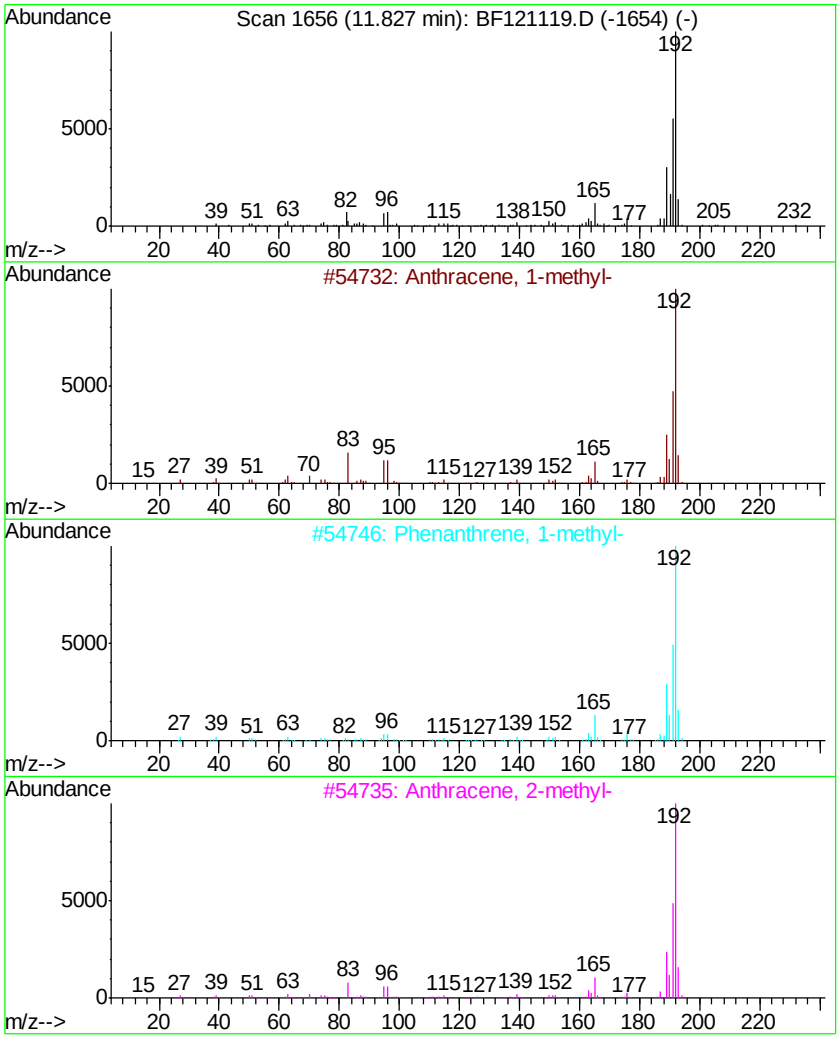
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

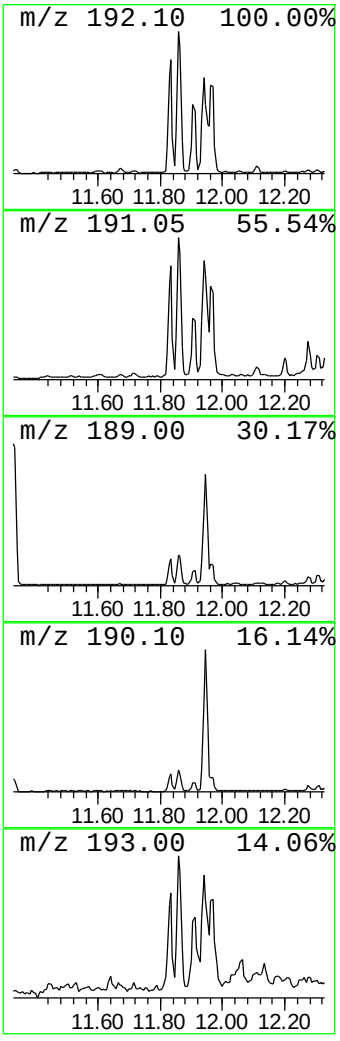
****

Peak Number 2 Anthracene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	2.21 ng	144066	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
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	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121119.D
Acq On : 30 Jul 2020 00:04
Operator : JU/CG
Sample : L3436-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1

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

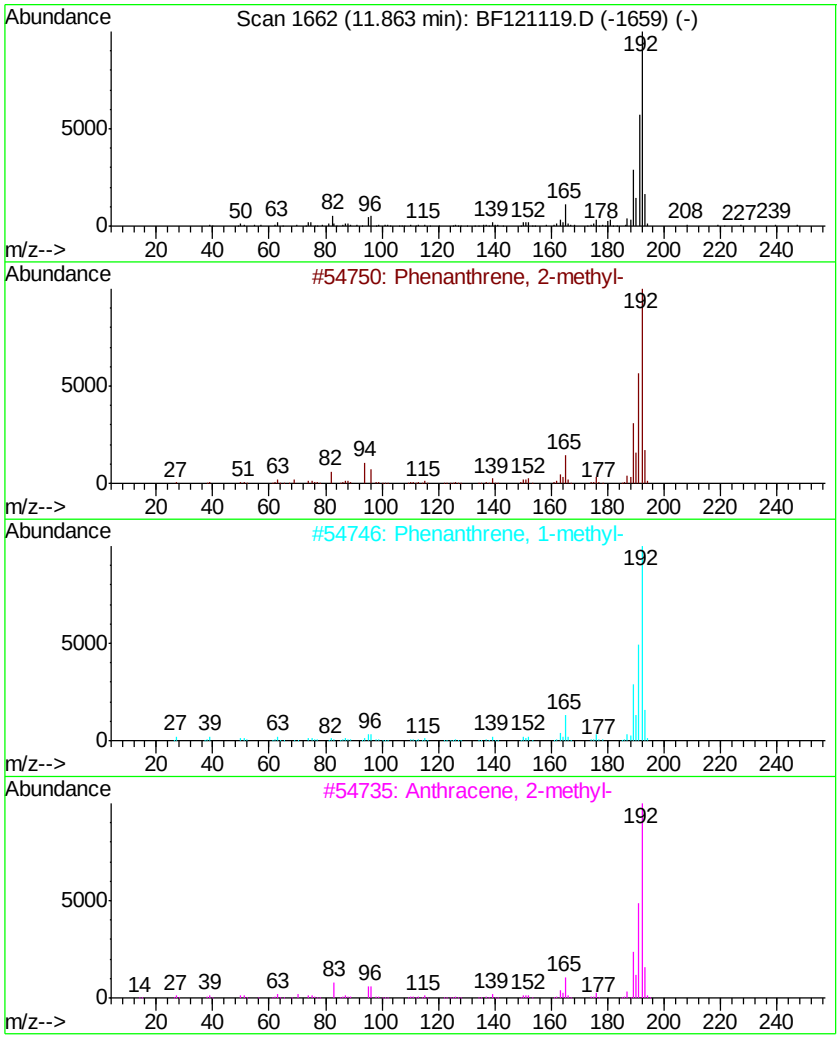
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

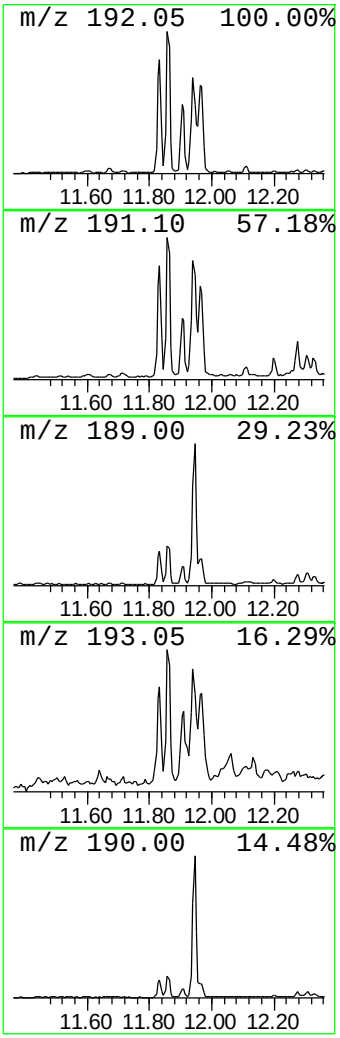
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	2.90 ng	188641	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121119.D
Acq On : 30 Jul 2020 00:04
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Sample : L3436-01 5X
Misc :
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Instrument : BNA_F
ClientSampleId : 1

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

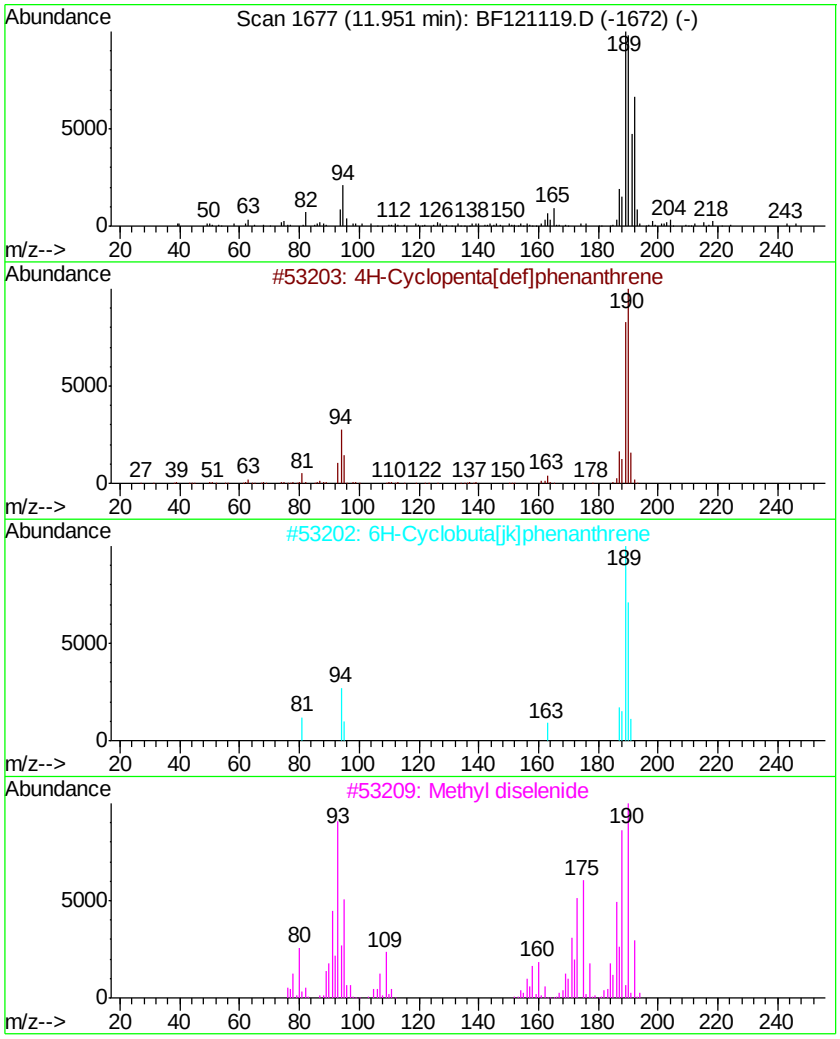
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

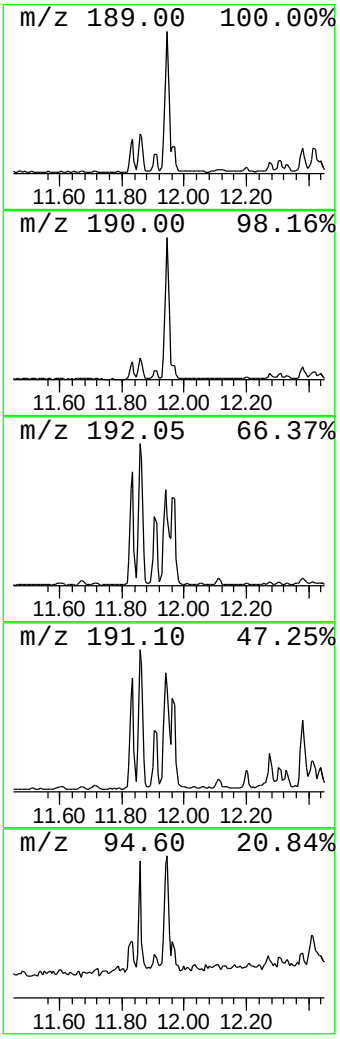
****

Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	4.95 ng	321835	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
3	Methyl diselenide	190	C2H6Se2	007101-31-7	43
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40
5	1,1'-Biphenyl, 4,4'-difluoro-	190	C12H8F2	000398-23-2	23





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121119.D
Acq On : 30 Jul 2020 00:04
Operator : JU/CG
Sample : L3436-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1

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

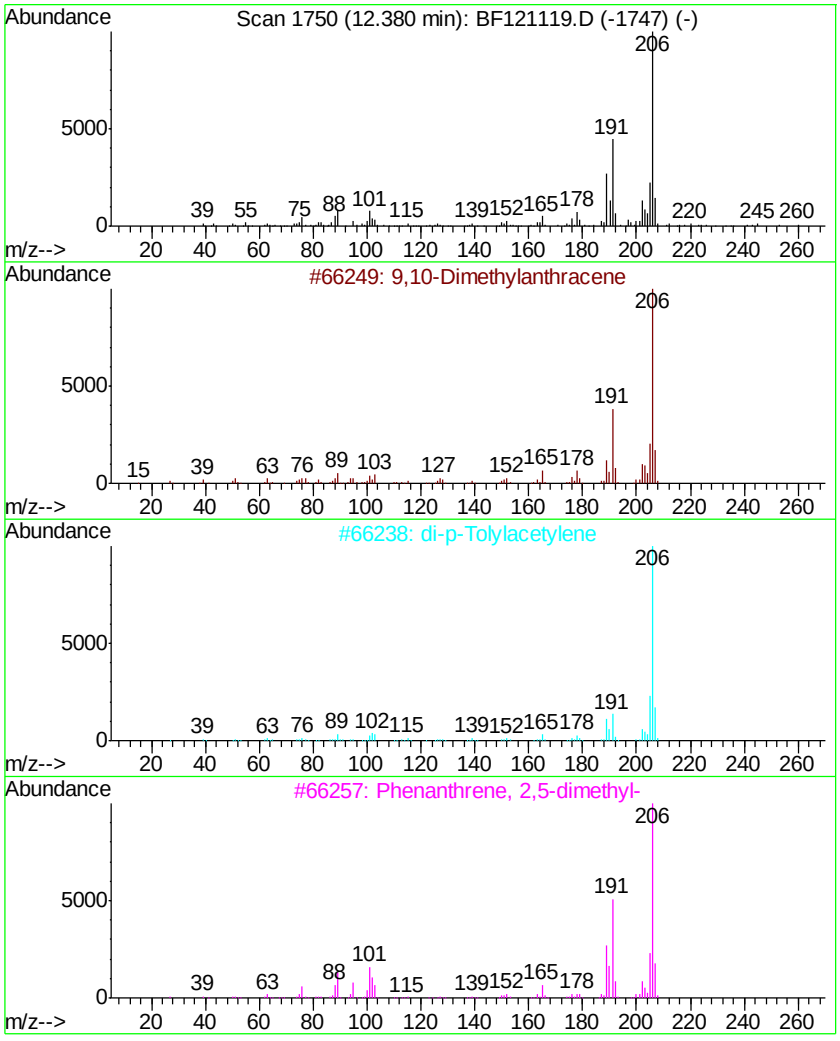
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

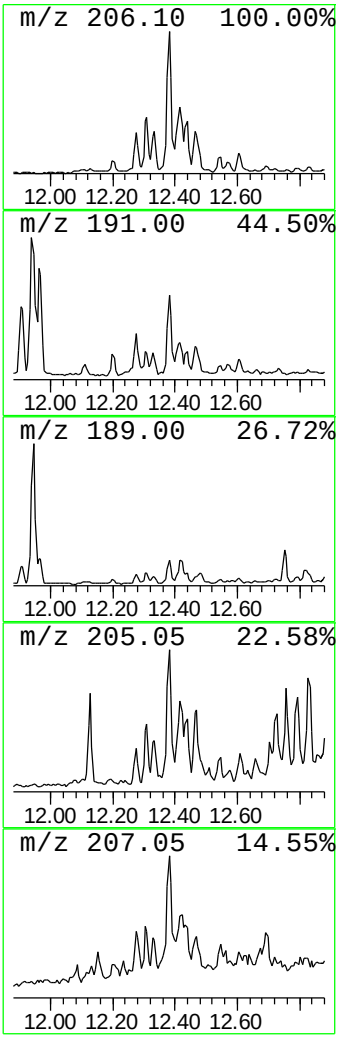
****

Peak Number 5 9,10-Dimethylanthracene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.38	2.35 ng	152999	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	94
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90
4	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	89
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
Data File : BF121119.D
Acq On : 30 Jul 2020 00:04
Operator : JU/CG
Sample : L3436-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1

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

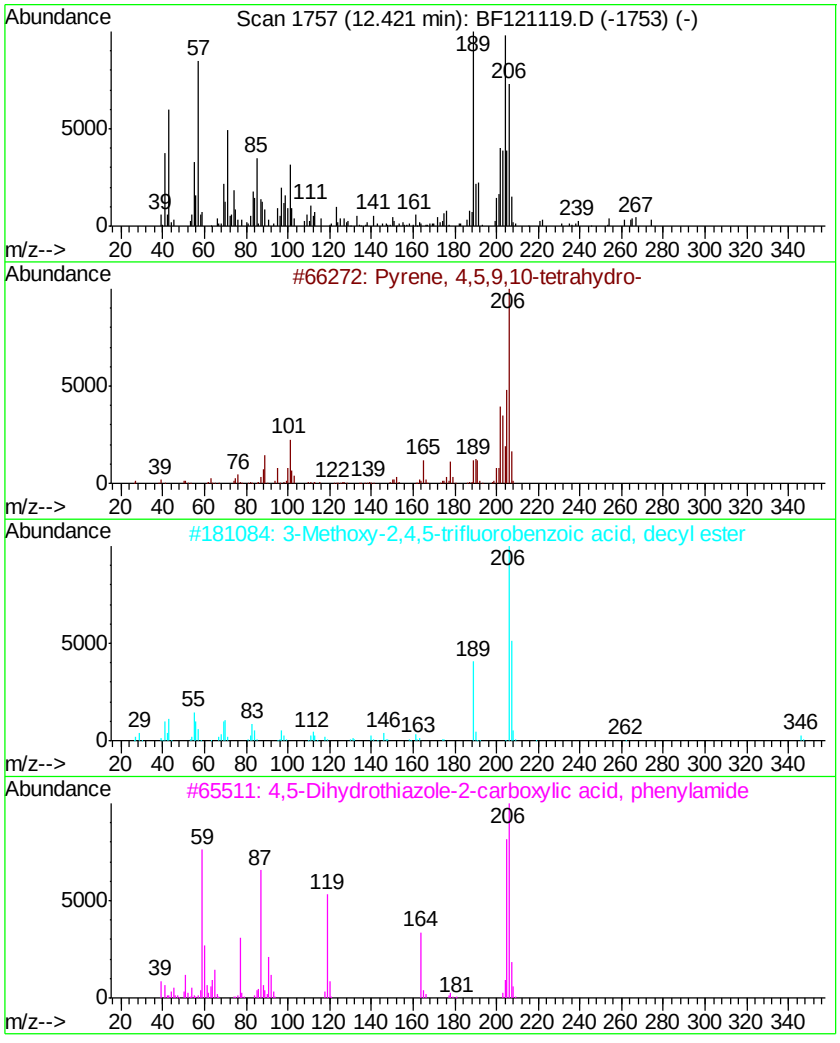
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

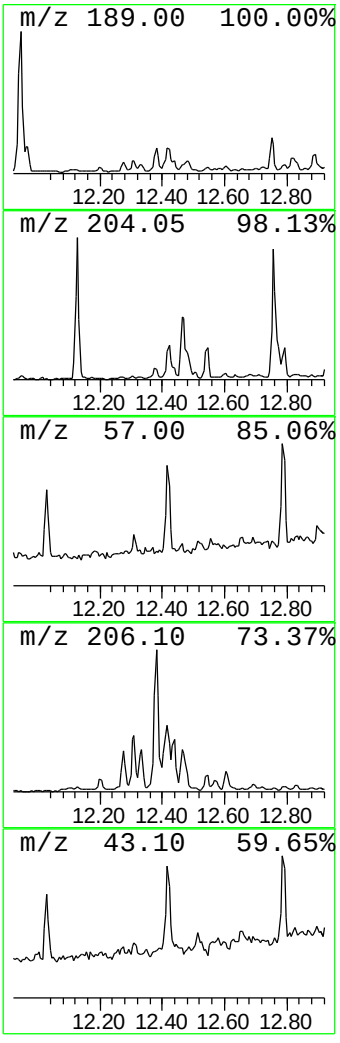
****

Peak Number 6 unknown12.42 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	3.58 ng	233160	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	41
2	3-Methoxy-2,4,5-trifluorobenzoic...	346	C18H25F3O3	1000338-76-7	22
3	4,5-Dihydrothiazole-2-carboxylic...	206	C10H10N2OS	1000311-64-1	18
4	4-(4-Chlorophenyl)pyridine	189	C11H8ClN	005957-96-0	18
5	1,2-Dihydro-1-hydroxy-6-nitro-2-...	206	C9H6N2O4	028556-55-0	18





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072920\
Data File : BF121119.D
Acq On : 30 Jul 2020 00:04
Operator : JU/CG
Sample : L3436-01 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1

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, 1-met...	11.83	2.2	ng	144066	4	11.33	1301450	20.0
Phenanthrene, 2-m...	11.86	2.9	ng	188641	4	11.33	1301450	20.0
4H-Cyclopenta[def...	11.95	5.0	ng	321835	4	11.33	1301450	20.0
9,10-Dimethylanth...	12.38	2.4	ng	152999	4	11.33	1301450	20.0
unknown12.42	12.42	3.6	ng	233160	4	11.33	1301450	20.0