LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073020\
Data File : BF121141.D
Acq On : 30 Jul 2020 21:52
Operator : JU/CG
Sample : L3436-11 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 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-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	5.404	561	564	582	rVB	502408	497885	27.39%	1.739%
2	6.428	735	738	751	rBV	494145	529203	29.11%	1.848%
3	6.628	768	772	777	rBV3	27487	37059	2.04%	0.129%
4	6.798	797	801	808	rBV	961078	787348	43.31%	2.749%
5	7.057	842	845	851	rBV	31812	36404	2.00%	0.127%
6	7.357	893	896	901	rBV	377097	301250	16.57%	1.052%
7	7.834	973	977	980	rBV3	16889	26569	1.46%	0.093%
8	8.081	1013	1019	1022	rBV	1291737	1106151	60.84%	3.863%
9	8.104	1022	1023	1026	rVB	154747	77186	4.25%	0.270%
10	8.675	1117	1120	1124	rBV3	33011	33912	1.87%	0.118%
11	8.792	1138	1140	1144	rVB	118590	103149	5.67%	0.360%
12	8.892	1153	1157	1161	rBV	152800	137748	7.58%	0.481%
13	9.157	1198	1202	1207	rVV	893633	680876	37.45%	2.378%
14	9.239	1213	1216	1218	rBV	53355	53174	2.92%	0.186%
15	9.357	1234	1236	1242	rVB	37403	45061	2.48%	0.157%
16	9.428	1242	1248	1251	rBV	113016	153454	8.44%	0.536%
17	9.457	1251	1253	1257	rVV5	21352	32822	1.81%	0.115%
18	9.498	1257	1260	1262	rVV	204087	188488	10.37%	0.658%
19	9.522	1262	1264	1266	rVV	129323	108584	5.97%	0.379%
20	9.551	1266	1269	1273	rVV2	148860	190718	10.49%	0.666%
21	9.616	1277	1280	1285	rVB	101646	119390	6.57%	0.417%
22	9.698	1291	1294	1298	rVB	229039	187183	10.30%	0.654%
23	9.839	1311	1318	1321	rBV	1432176	1255944	69.08%	4.386%
24	9.869	1321	1323	1327	rVV	341979	308630	16.98%	1.078%
25	9.904	1327	1329	1332	rVB3	39620	37279	2.05%	0.130%
26	9.945	1332	1336	1340	rBV2	69428	84984	4.67%	0.297%
27	9.992	1340	1344	1346	rBV4	38842	56445	3.10%	0.197%
28	10.039	1348	1352	1356	rVV	209176	227730	12.53%	0.795%
29	10.081	1356	1359	1363	rVB	99841	78648	4.33%	0.275%
30	10.157	1368	1372	1374	rBV2	110708	121629	6.69%	0.425%
31	10.186	1374	1377	1379	rVV	77932	63869	3.51%	0.223%
32	10.245	1383	1387	1389	rBV2	79762	97827	5.38%	0.342%
33	10.269	1389	1391	1393	rVB2	78174	61608	3.39%	0.215%
34	10.292	1393	1395	1398	rBV	42703	32551	1.79%	0.114%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073020\
Data File : BF121141.D
Acq On : 30 Jul 2020 21:52
Operator : JU/CG
Sample : L3436-11 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

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

35	10.339	1398	1403	1405	rBV3	49813	61296	3.37%	0.214%
36	10.386	1408	1411	1417	rVV	452161	445436	24.50%	1.555%
37	10.451	1417	1422	1424	rVV2	81345	103210	5.68%	0.360%
38	10.475	1424	1426	1427	rVV2	72893	61935	3.41%	0.216%
39	10.498	1427	1430	1433	rVV2	220133	225210	12.39%	0.786%
40	10.545	1435	1438	1441	rVB	103281	101903	5.61%	0.356%
41	10.628	1446	1452	1456	rVV2	478102	472098	25.97%	1.649%
42	10.663	1456	1458	1464	rVB2	32983	54547	3.00%	0.190%
43	10.757	1469	1474	1480	rVB	144187	205102	11.28%	0.716%
44	10.933	1500	1504	1507	rBV2	129481	155034	8.53%	0.541%
45	10.963	1507	1509	1512	rVV2	100073	89953	4.95%	0.314%
46	11.022	1516	1519	1521	rVB	74647	69798	3.84%	0.244%
47	11.063	1521	1526	1528	rBV3	53463	79204	4.36%	0.277%
48	11.086	1528	1530	1535	rVV2	72847	75984	4.18%	0.265%
49	11.133	1535	1538	1541	rVV2	84638	80003	4.40%	0.279%
50	11.192	1543	1548	1550	rVV4	75867	126904	6.98%	0.443%
51	11.222	1550	1553	1560	rVB	257488	254650	14.01%	0.889%
52	11.328	1567	1571	1573	rBV	1267248	1152994	63.42%	4.026%
53	11.351	1573	1575	1579	rVV	1963790	1660197	91.32%	5.797%
54	11.404	1579	1584	1587	rVB	567097	493875	27.16%	1.725%
55	11.439	1587	1590	1593	rBV	80369	90771	4.99%	0.317%
56	11.557	1604	1610	1616	rBV	181205	239293	13.16%	0.836%
57	11.622	1618	1621	1623	rVV	134271	111882	6.15%	0.391%
58	11.657	1624	1627	1633	rVV	154752	172971	9.51%	0.604%
59	11.722	1635	1638	1640	rVV	178398	171844	9.45%	0.600%
60	11.739	1640	1641	1644	rVB	87911	70634	3.89%	0.247%
61	11.786	1646	1649	1651	rBV3	37586	44022	2.42%	0.154%
62	11.828	1653	1656	1659	rVV	366724	372991	20.52%	1.302%
63	11.857	1659	1661	1665	rVV	469364	383550	21.10%	1.339%
64	11.904	1666	1669	1672	rVV	164222	163583	9.00%	0.571%
65	11.939	1672	1675	1678	rVV2	565097	664386	36.54%	2.320%
66	11.963	1678	1679	1683	rVB	305562	198667	10.93%	0.694%
67	12.028	1688	1690	1693	rVB3	64312	58076	3.19%	0.203%
68	12.063	1693	1696	1699	rBV2	73990	58952	3.24%	0.206%
69	12.122	1703	1706	1709	rVV	203690	203627	11.20%	0.711%
70	12.151	1709	1711	1714	rVB2	103354	105488	5.80%	0.368%
71	12.257	1726	1729	1730	rBV2	56741	50844	2.80%	0.178%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073020\
Data File : BF121141.D
Acq On : 30 Jul 2020 21:52
Operator : JU/CG
Sample : L3436-11 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

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

72	12.275	1730	1732	1735	rVV	97879	78013	4.29%	0.272%
73	12.304	1735	1737	1739	rVV	123230	109680	6.03%	0.383%
74	12.327	1739	1741	1744	rVB2	83966	71302	3.92%	0.249%
75	12.380	1747	1750	1752	rVV	277063	261444	14.38%	0.913%
76	12.404	1752	1754	1756	rVV2	358104	404733	22.26%	1.413%
77	12.427	1756	1758	1762	rVV3	672082	643072	35.37%	2.246%
78	12.463	1762	1764	1769	rVV2	125181	177887	9.78%	0.621%
79	12.510	1770	1772	1774	rVV2	124795	123506	6.79%	0.431%
80	12.545	1774	1778	1781	rVV	1841518	1550256	85.27%	5.413%
81	12.586	1781	1785	1787	rVV	69789	80410	4.42%	0.281%
82	12.633	1791	1793	1796	rVB2	75753	75327	4.14%	0.263%
83	12.692	1801	1803	1807	rVV3	81380	88675	4.88%	0.310%
84	12.775	1811	1817	1822	rBV	1674006	1818057	100.00%	6.349%
85	12.886	1834	1836	1838	rBV2	72431	79101	4.35%	0.276%
86	12.910	1838	1840	1847	rVB	693928	685838	37.72%	2.395%
87	12.992	1850	1854	1857	rBV2	133443	194243	10.68%	0.678%
88	13.045	1861	1863	1865	rBV2	58097	52599	2.89%	0.184%
89	13.074	1866	1868	1869	rVV2	112295	104298	5.74%	0.364%
90	13.098	1869	1872	1875	rVB	310035	305969	16.83%	1.068%
91	13.163	1881	1883	1886	rVB	207146	177828	9.78%	0.621%
92	13.204	1887	1890	1893	rBV2	207369	197490	10.86%	0.690%
93	13.298	1903	1906	1908	rBV	123954	93480	5.14%	0.326%
94	13.327	1908	1911	1914	rBV	156855	135296	7.44%	0.472%
95	13.969	2015	2020	2023	rBV2	1182428	1617792	88.98%	5.649%
96	13.998	2023	2025	2031	rVB	616126	532972	29.32%	1.861%
97	15.010	2193	2197	2200	rBV	362492	568283	31.26%	1.984%
98	15.304	2245	2247	2254	rVB	245973	286434	15.75%	1.000%
99	15.368	2255	2258	2263	rVB	346506	405170	22.29%	1.415%
100	15.433	2265	2269	2272	rBV	550344	726590	39.97%	2.537%

Sum of corrected areas: 28637417

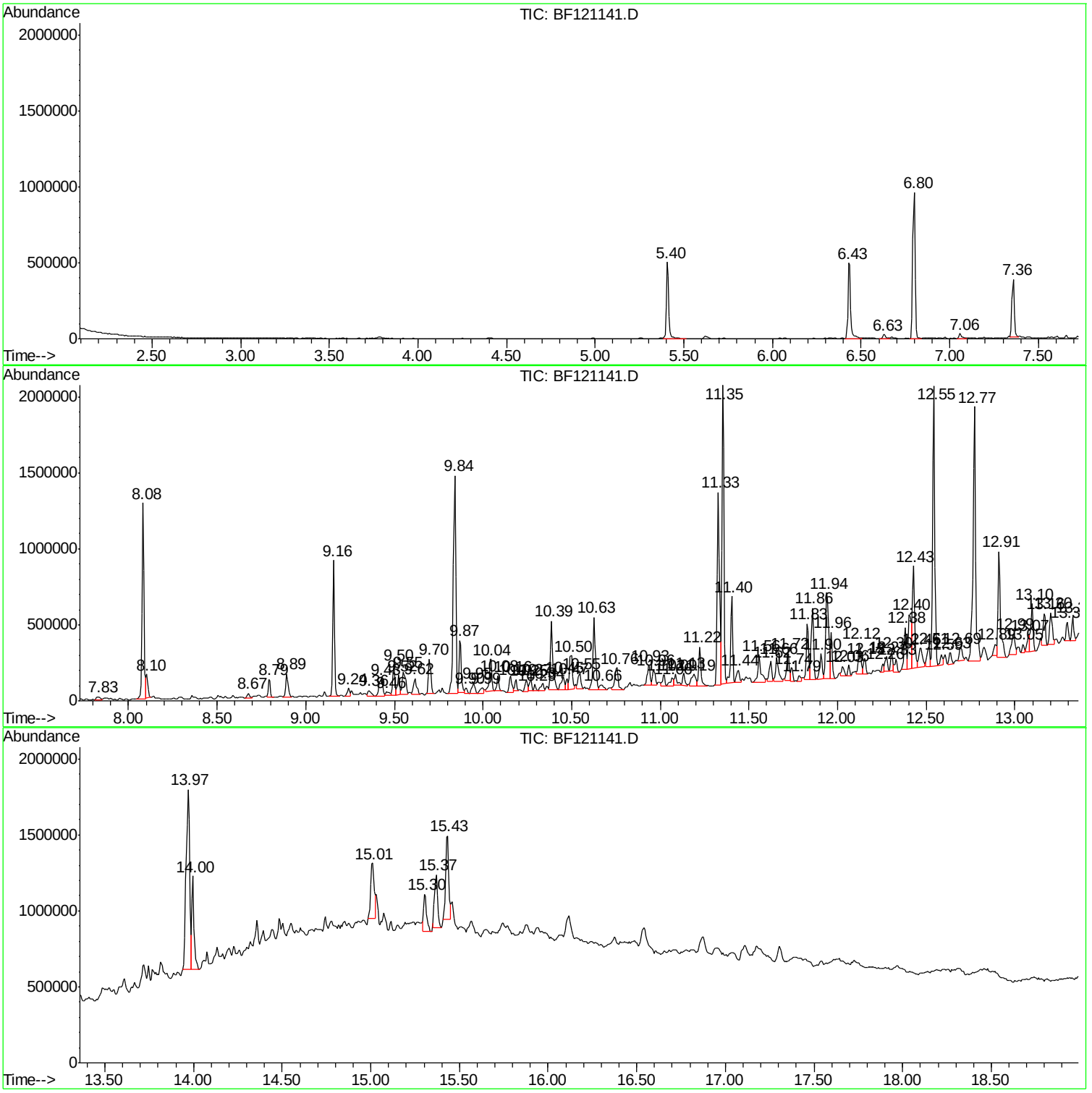
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073020\
Data File : BF121141.D
Acq On : 30 Jul 2020 21:52
Operator : JU/CG
Sample : L3436-11 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 11

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\BF073020\
Data File : BF121141.D
Acq On : 30 Jul 2020 21:52
Operator : JU/CG
Sample : L3436-11 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 11

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

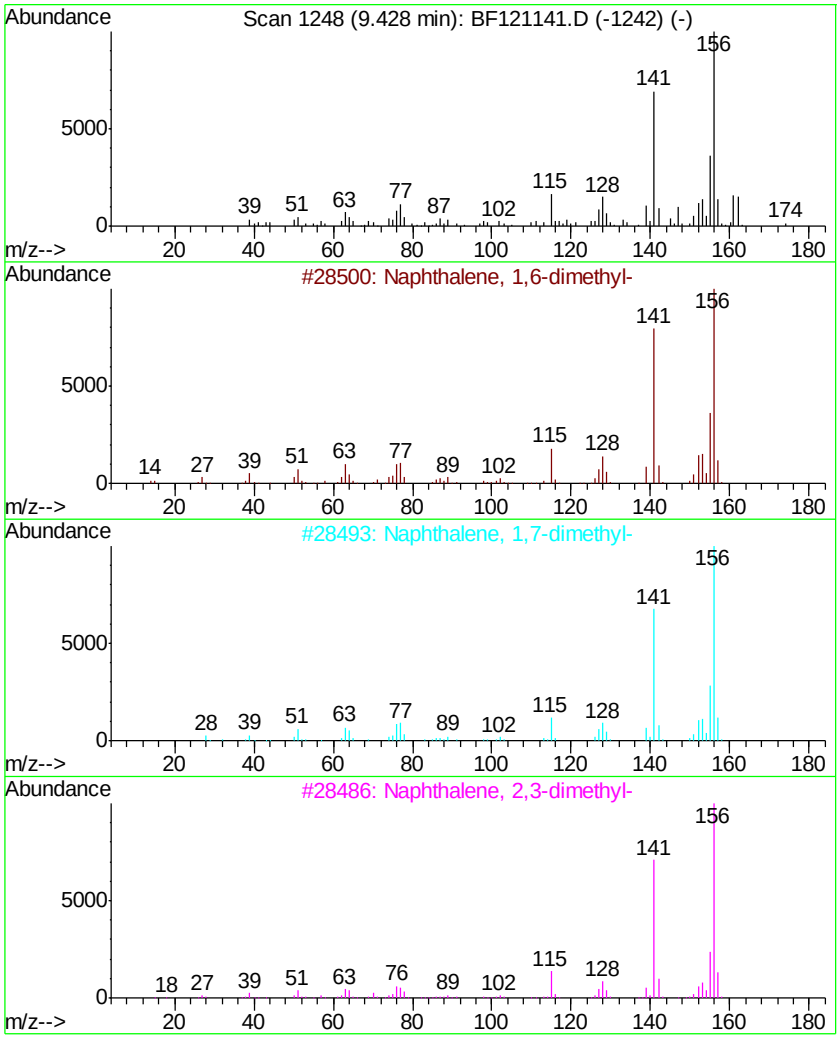
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

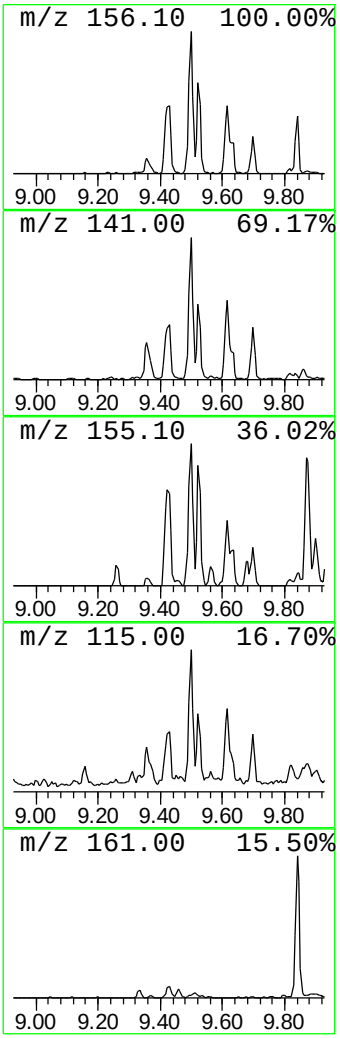
****

Peak Number 1 Naphthalene, 1,6-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.43	2.44 ng	153454	Acenaphthene-d10	9.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073020\
Data File : BF121141.D
Acq On : 30 Jul 2020 21:52
Operator : JU/CG
Sample : L3436-11 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 11

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

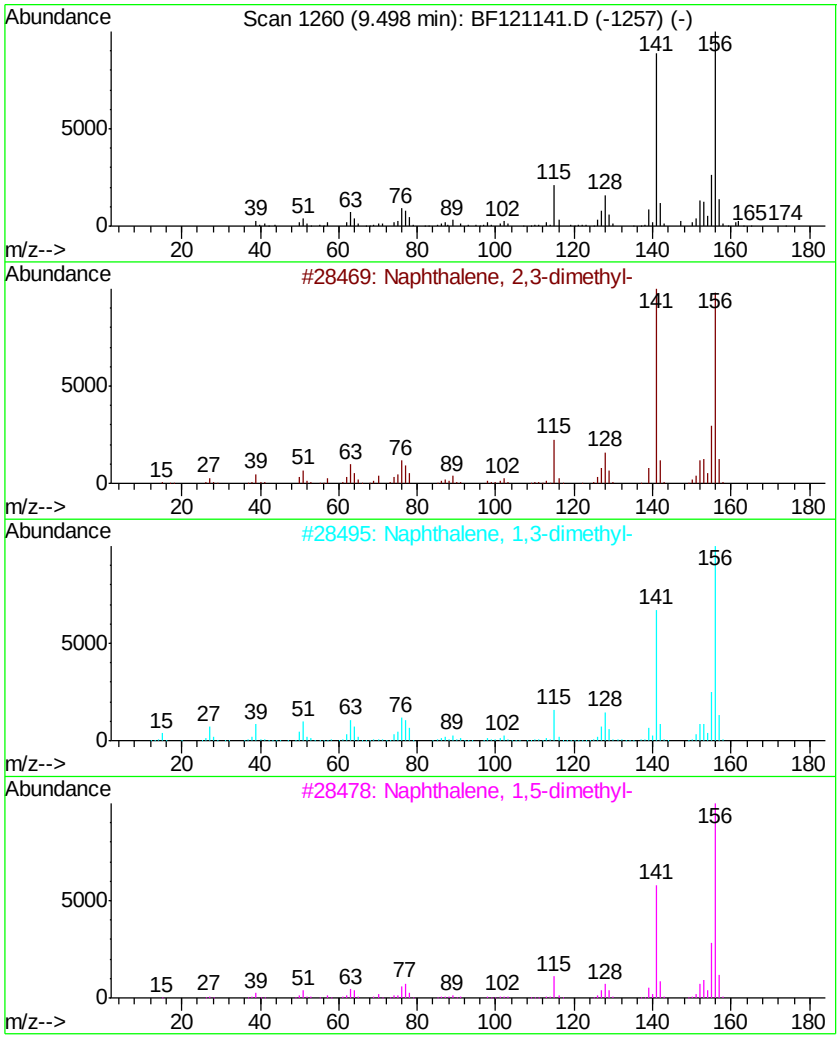
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

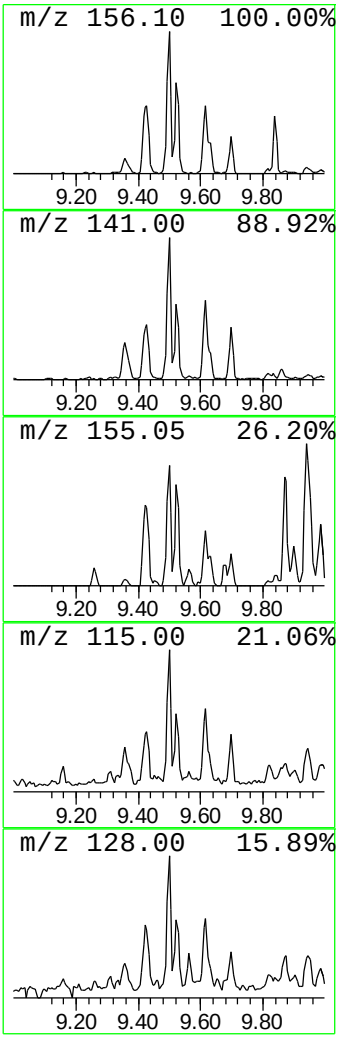
****

Peak Number 2 Naphthalene, 2,3-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.50	3.00 ng	188488	Acenaphthene-d10	9.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073020\
Data File : BF121141.D
Acq On : 30 Jul 2020 21:52
Operator : JU/CG
Sample : L3436-11 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 11

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

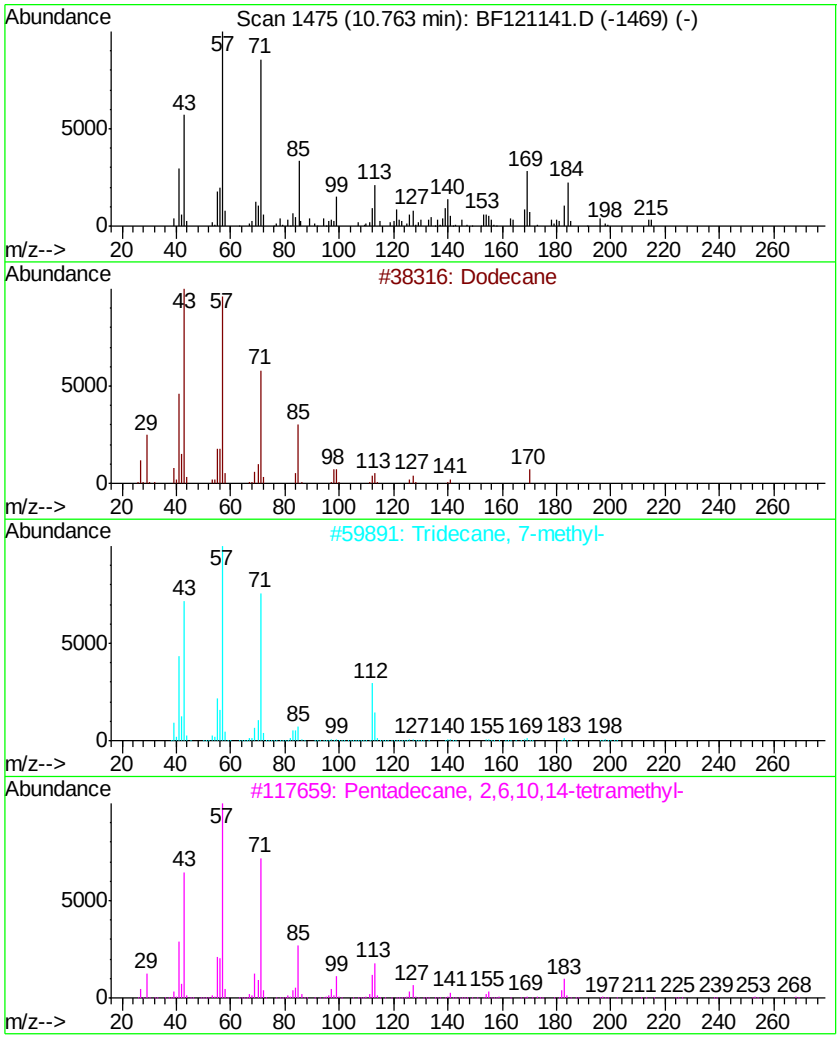
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

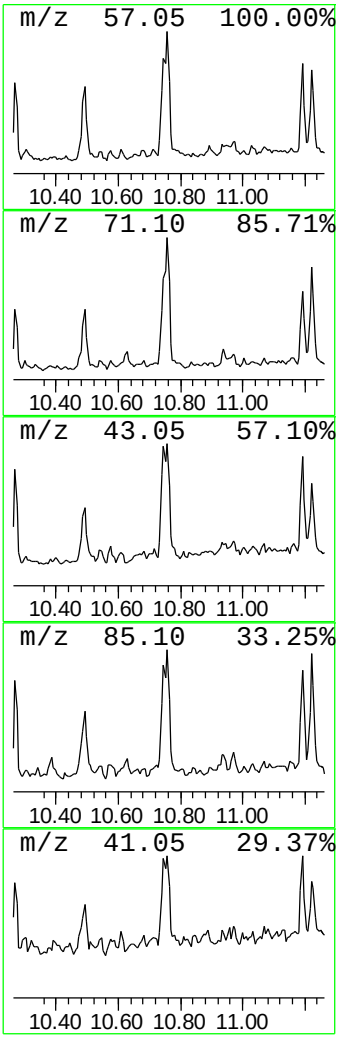
****

Peak Number 3 unknown10.76 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.76	3.56 ng	205102	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	49
2	Tridecane, 7-methyl-	198	C14H30	026730-14-3	38
3	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	38
4	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	30
5	Heptacosane	380	C27H56	000593-49-7	27





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073020\
Data File : BF121141.D
Acq On : 30 Jul 2020 21:52
Operator : JU/CG
Sample : L3436-11 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 11

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

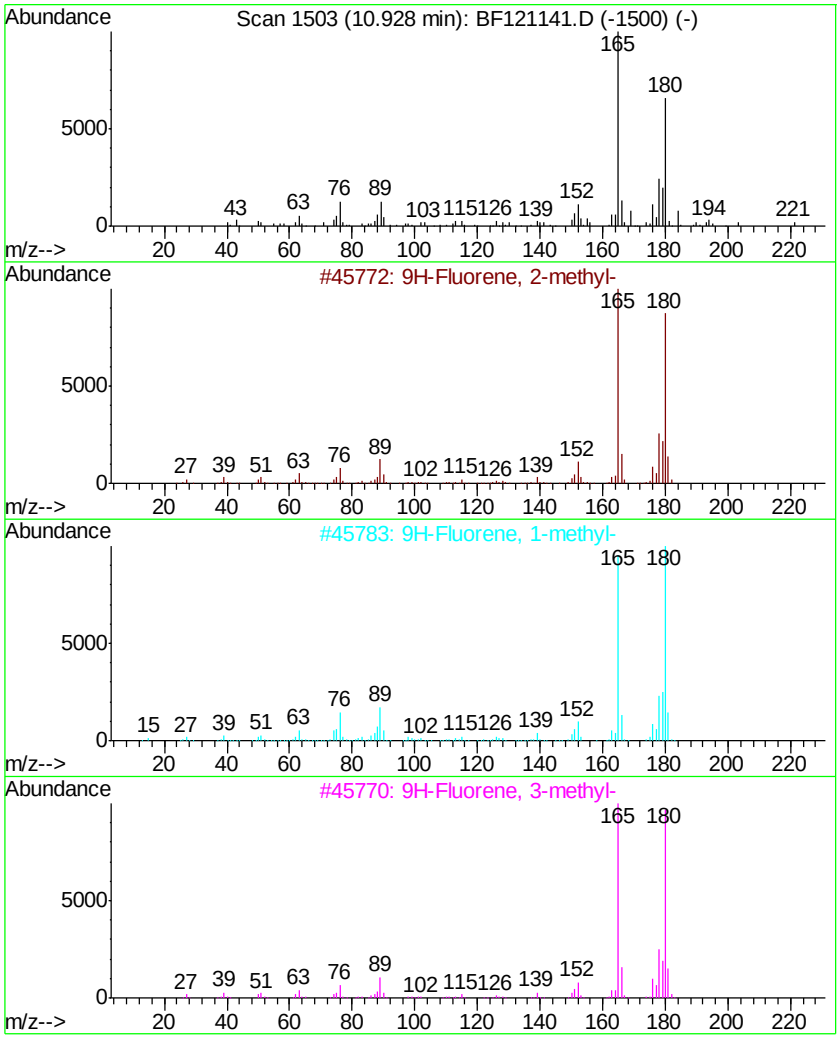
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

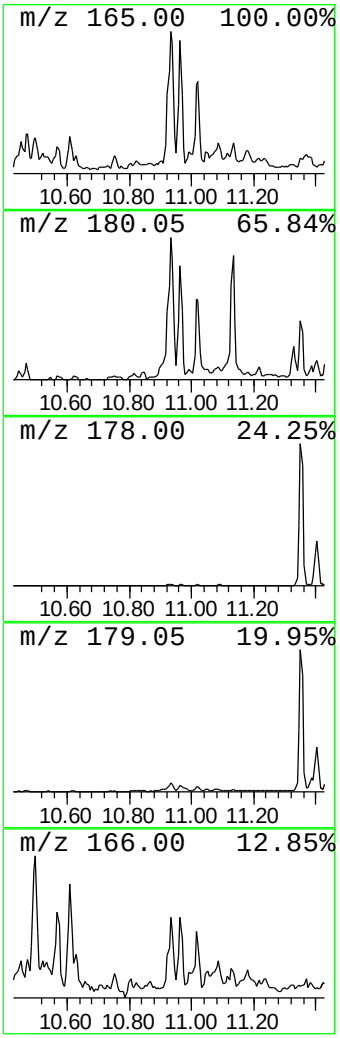
****

Peak Number 4 9H-Fluorene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.93	2.69 ng	155034	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	91
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	90
4	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	90
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	89





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073020\
Data File : BF121141.D
Acq On : 30 Jul 2020 21:52
Operator : JU/CG
Sample : L3436-11 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 11

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

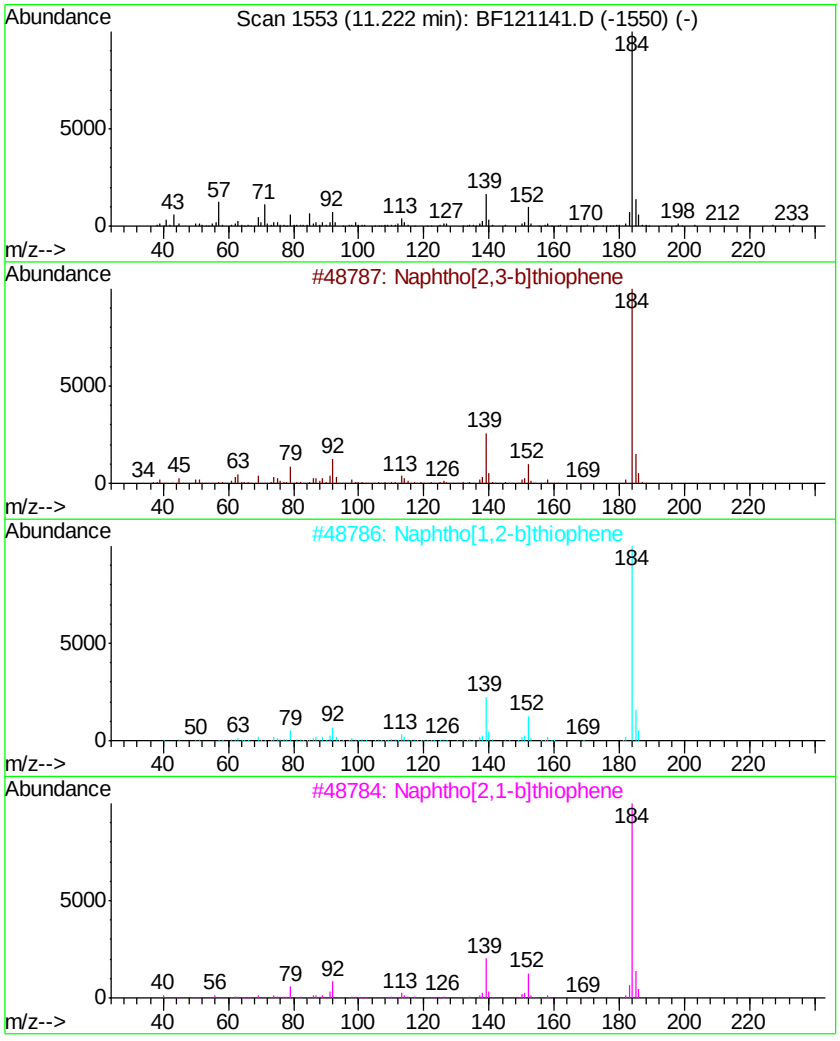
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

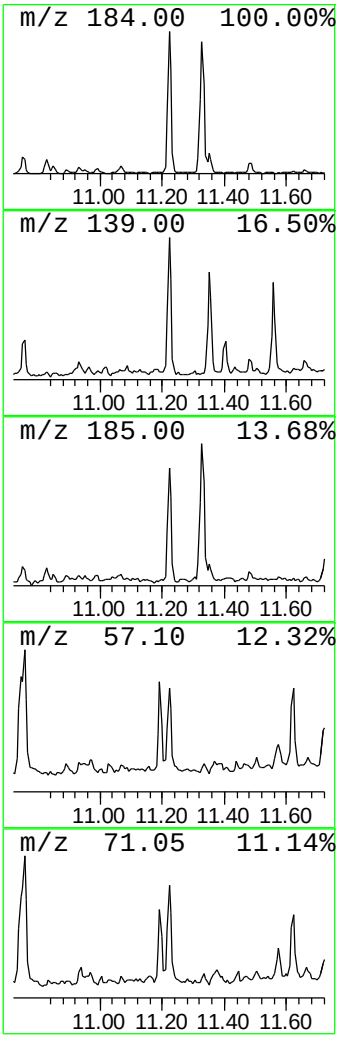
****

Peak Number 5 Naphtho[2,3-b]thiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.22	4.42 ng	254650	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
4	Dibenzothiophene	184	C12H8S	000132-65-0	91
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073020\
Data File : BF121141.D
Acq On : 30 Jul 2020 21:52
Operator : JU/CG
Sample : L3436-11 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 11

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

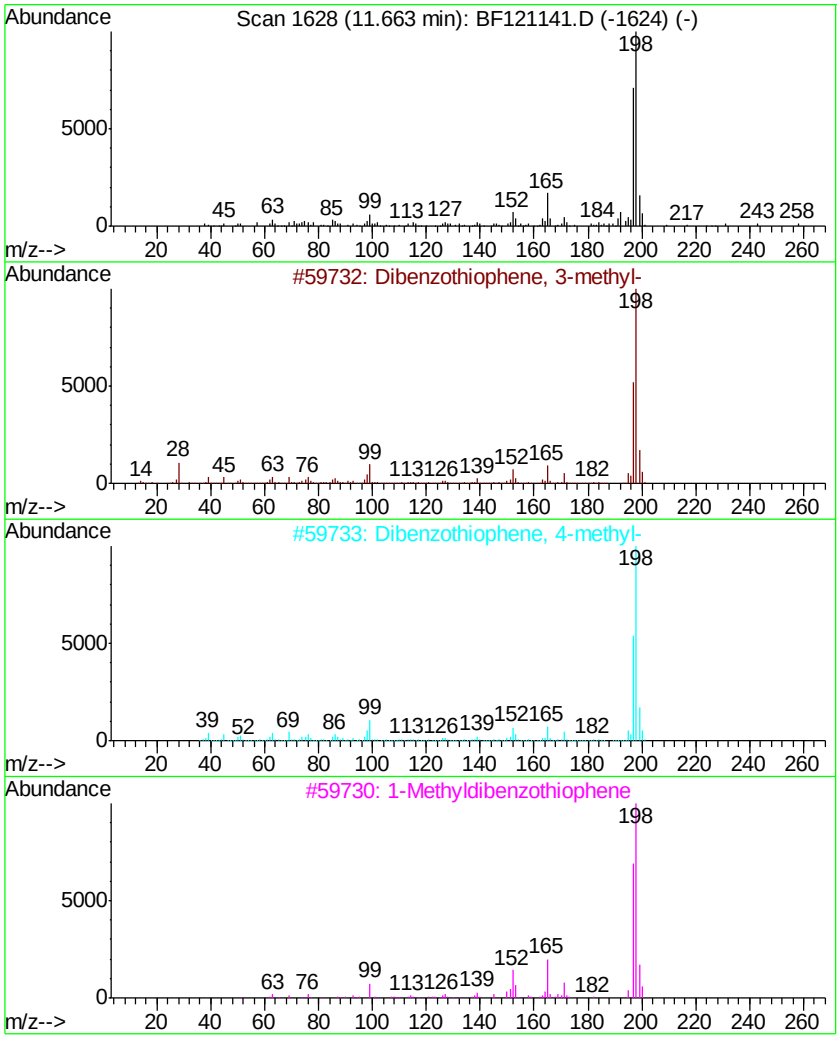
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

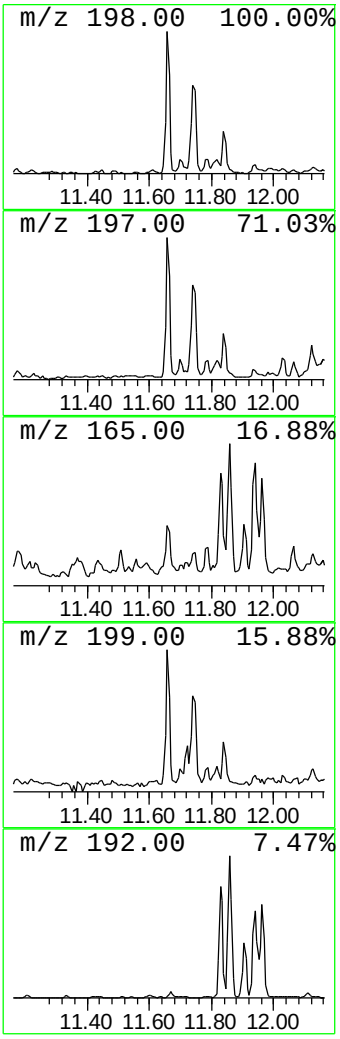
****

Peak Number 6 Dibenzothiophene, 3-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.66	3.00 ng	172971	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	97
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	94
3	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	94
4	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	83
5	Tacrine	198	C13H14N2	000321-64-2	72





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073020\
Data File : BF121141.D
Acq On : 30 Jul 2020 21:52
Operator : JU/CG
Sample : L3436-11 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 11

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

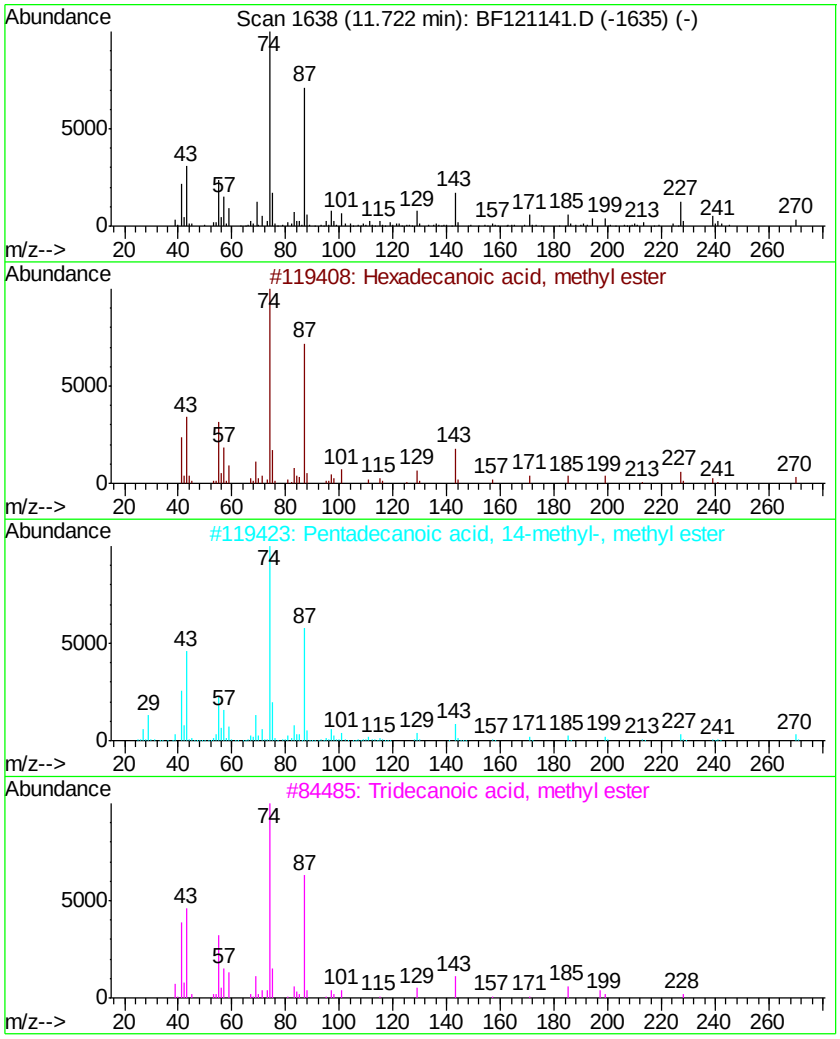
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

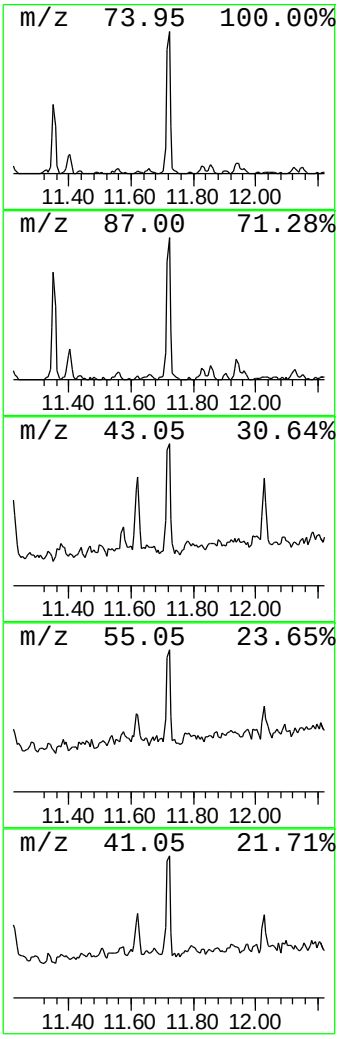
****

Peak Number 7 Hexadecanoic acid, methyl e... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.72	2.98 ng	171844	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	95
2	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	95
3	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	93
4	Dodecanoic acid, 10-methyl-, met...	228	C14H28O2	005129-65-7	81
5	Decanoic acid, methyl ester	186	C11H22O2	000110-42-9	81





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073020\
Data File : BF121141.D
Acq On : 30 Jul 2020 21:52
Operator : JU/CG
Sample : L3436-11 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 11

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

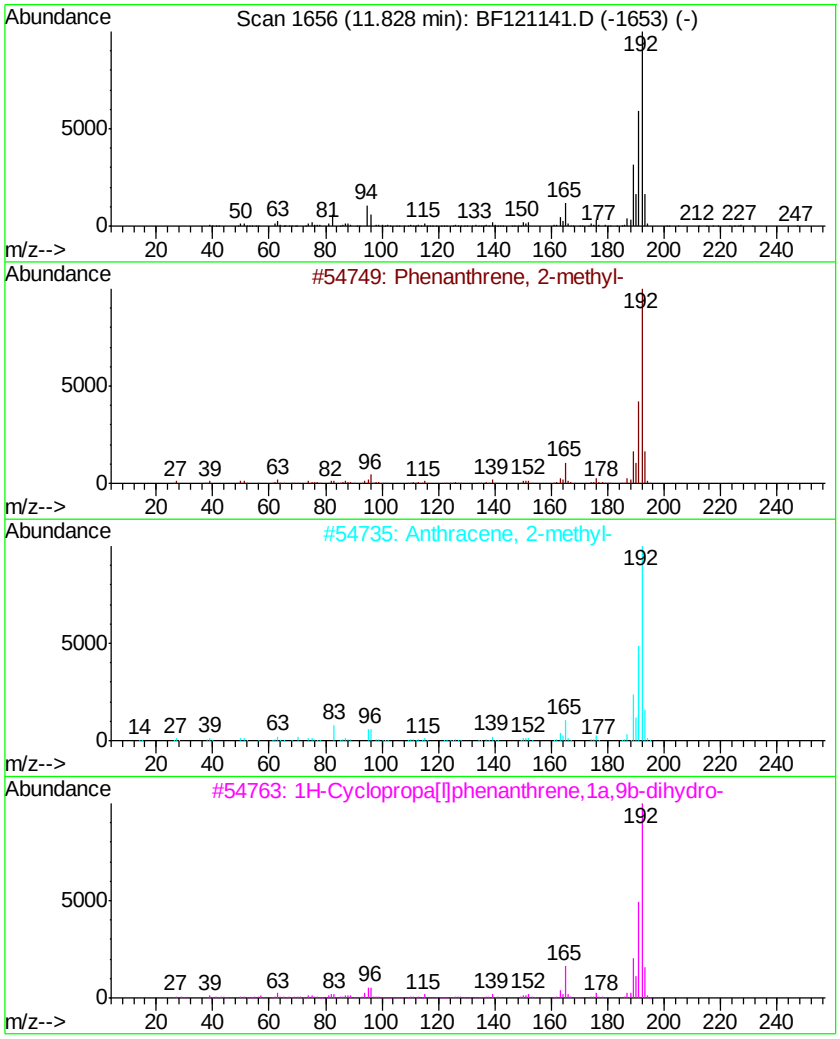
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

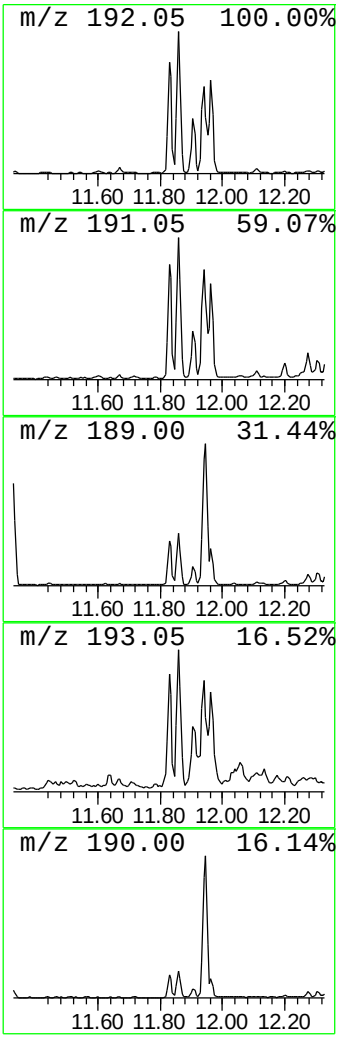
****

Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	6.47 ng	372991	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
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, 1-methyl-	192	C15H12	000610-48-0	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073020\
Data File : BF121141.D
Acq On : 30 Jul 2020 21:52
Operator : JU/CG
Sample : L3436-11 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 11

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

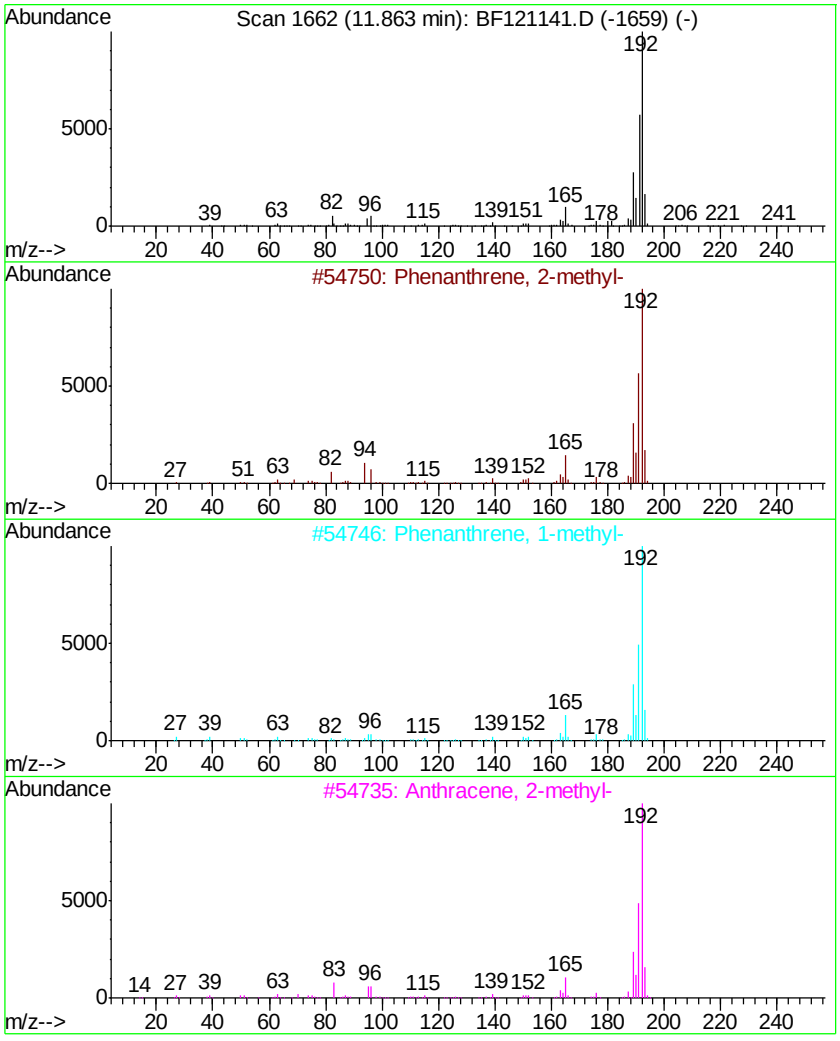
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

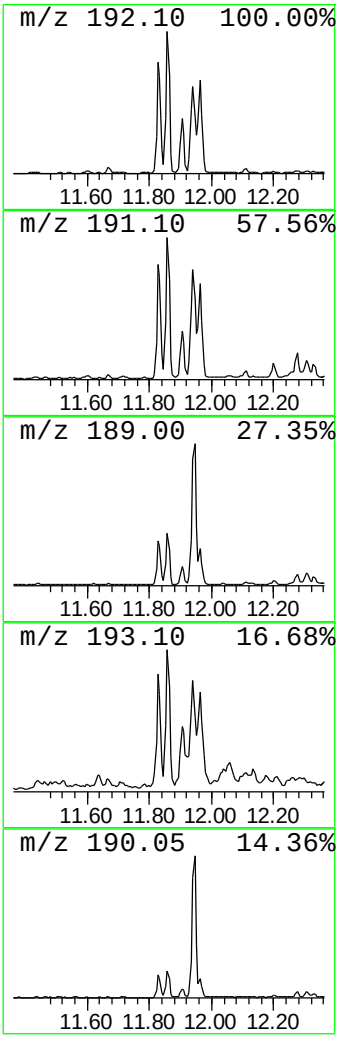
****

Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	6.65 ng	383550	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	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073020\
Data File : BF121141.D
Acq On : 30 Jul 2020 21:52
Operator : JU/CG
Sample : L3436-11 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 11

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

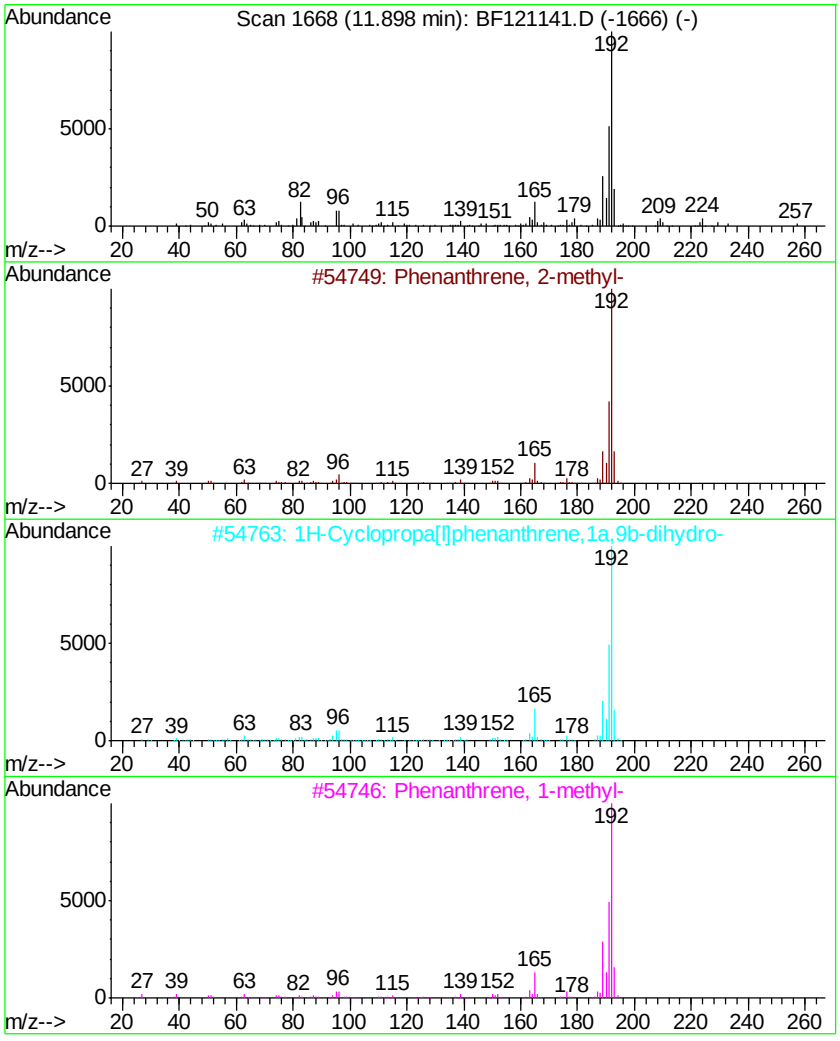
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

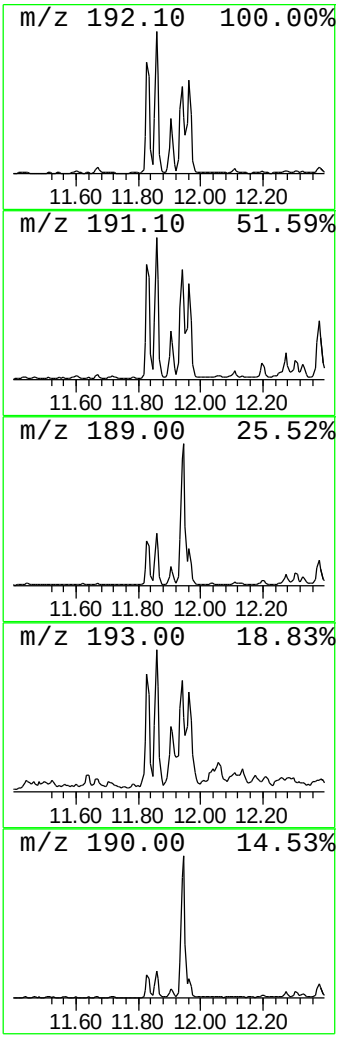
****

Peak Number 10 1H-Cyclopropa[l]phenanthren... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	2.84 ng	163583	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073020\
Data File : BF121141.D
Acq On : 30 Jul 2020 21:52
Operator : JU/CG
Sample : L3436-11 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 11

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

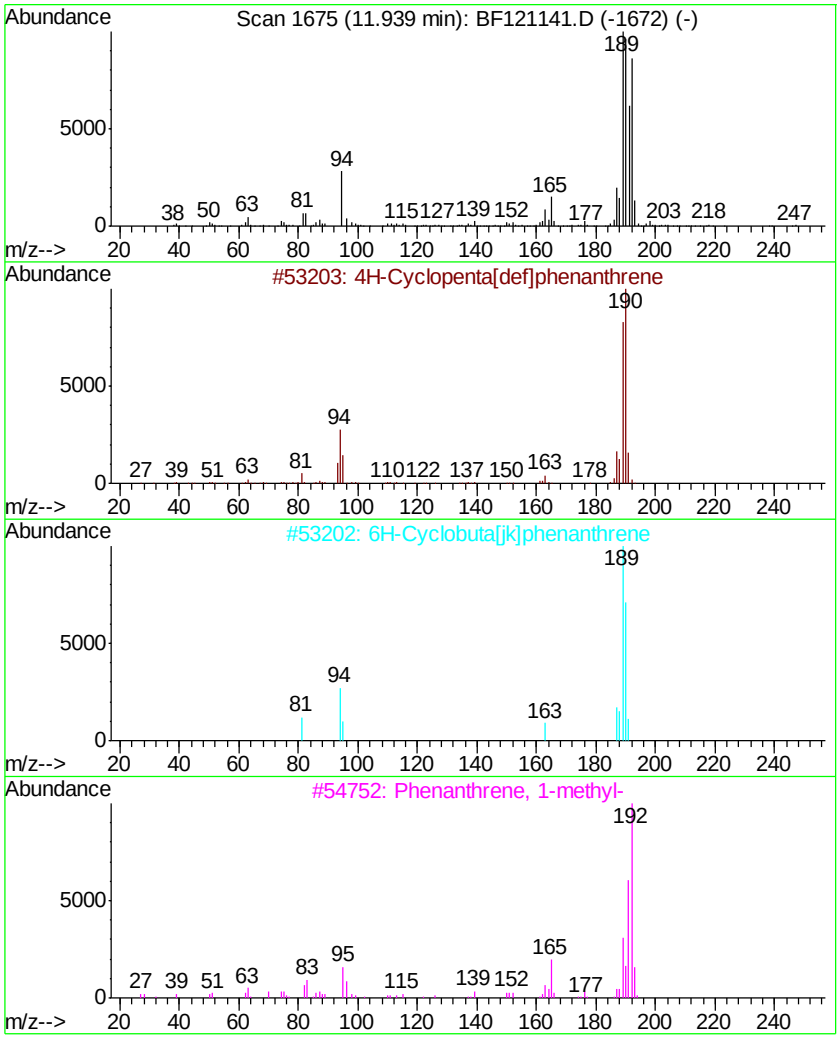
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

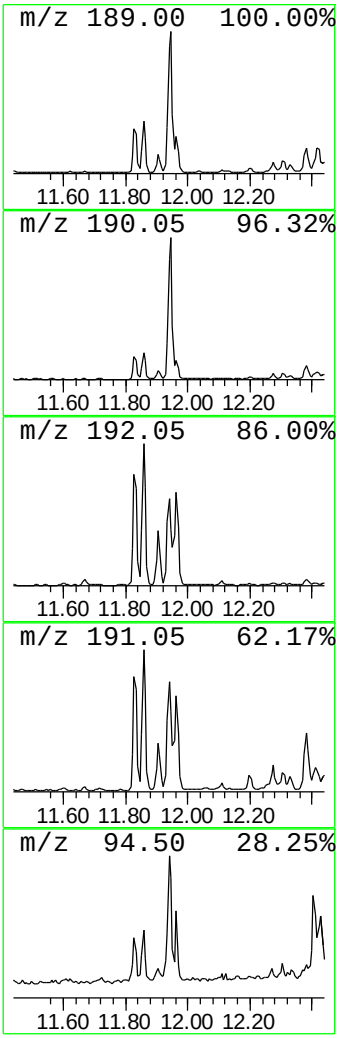
****

Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	11.52 ng	664386	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	42
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	42





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073020\
Data File : BF121141.D
Acq On : 30 Jul 2020 21:52
Operator : JU/CG
Sample : L3436-11 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 11

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

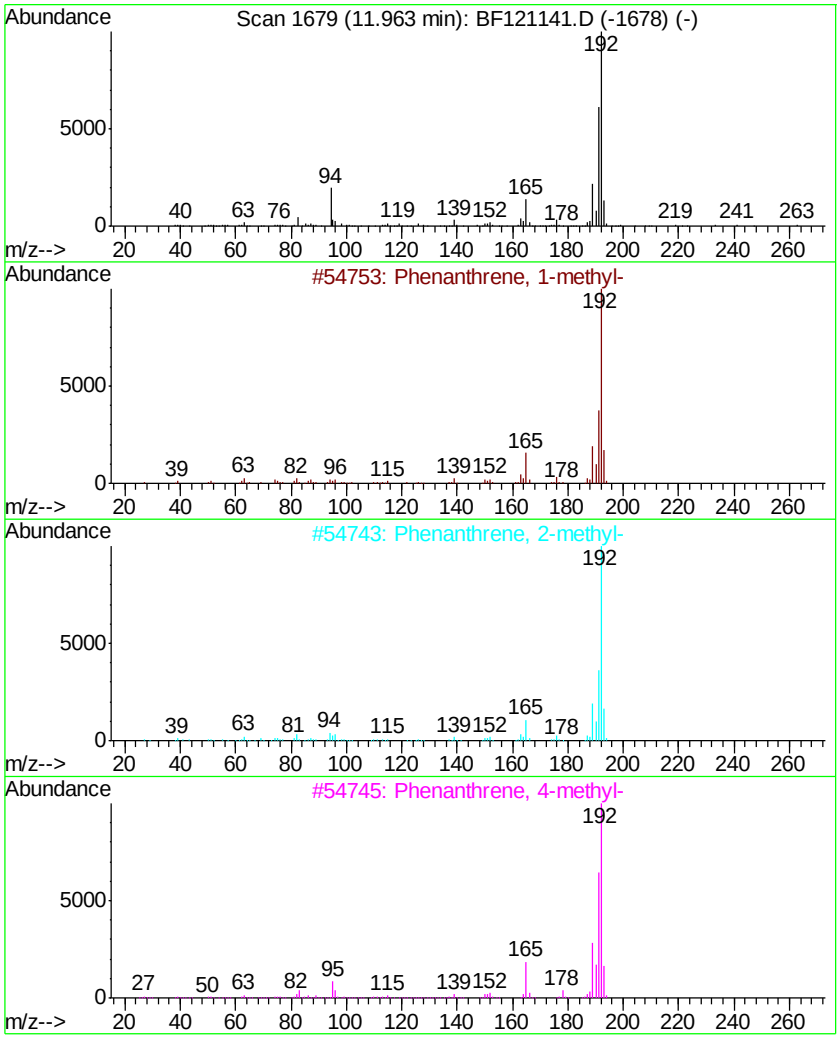
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

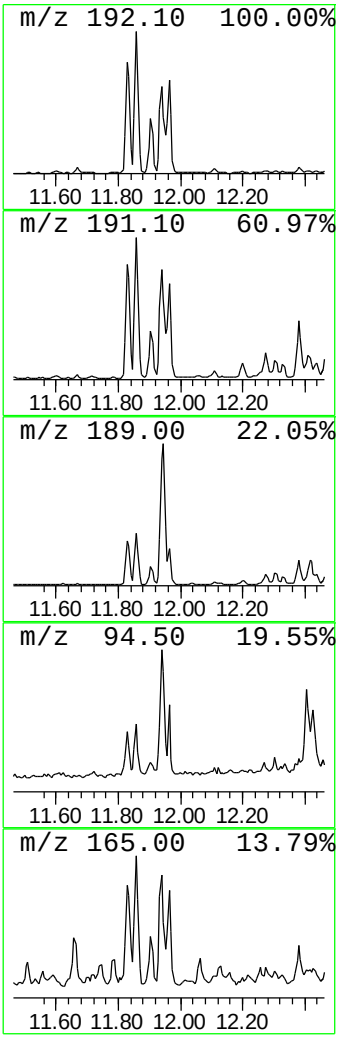
****

Peak Number 12 Phenanthrene, 4-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	3.45 ng	198667	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
5	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	89





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073020\
Data File : BF121141.D
Acq On : 30 Jul 2020 21:52
Operator : JU/CG
Sample : L3436-11 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 11

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

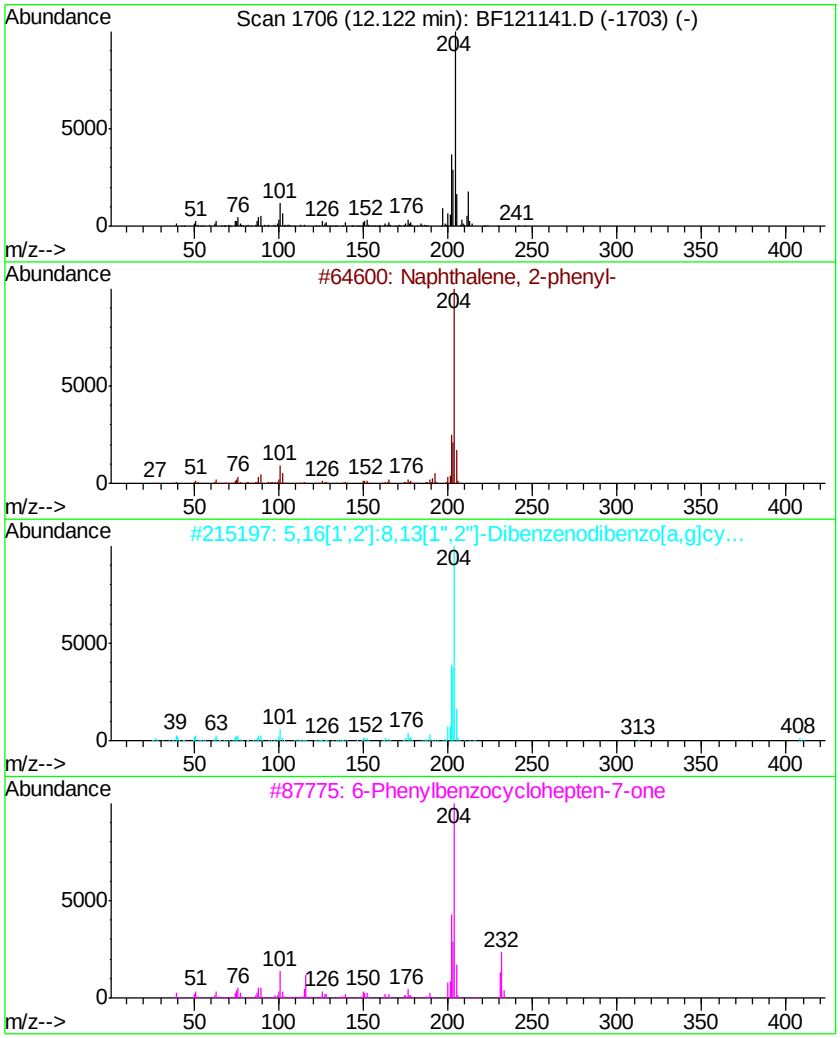
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

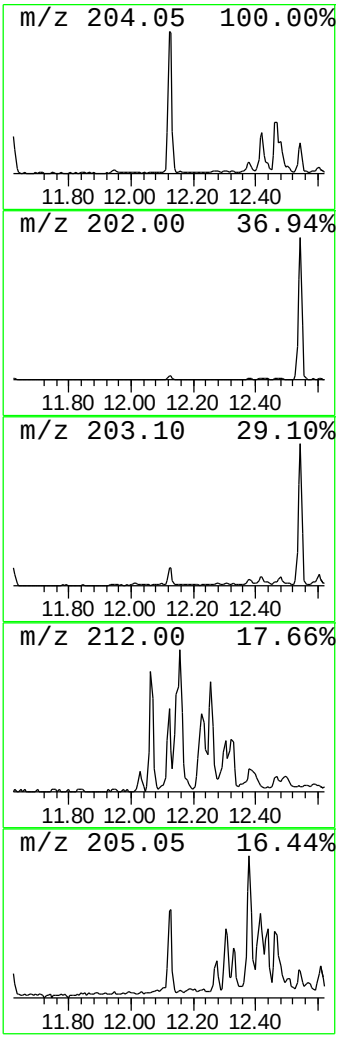
****

Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	3.53 ng	203627	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	92
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	74
3	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	72
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
5	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	55





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073020\
Data File : BF121141.D
Acq On : 30 Jul 2020 21:52
Operator : JU/CG
Sample : L3436-11 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 11

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

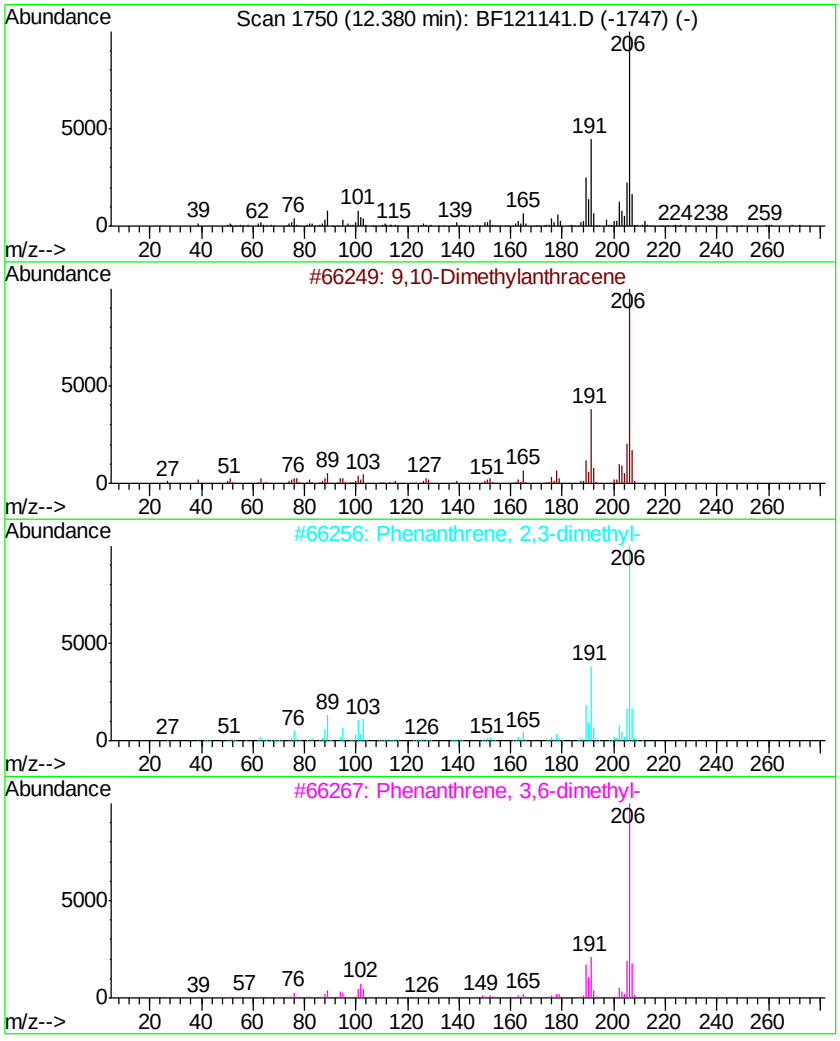
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

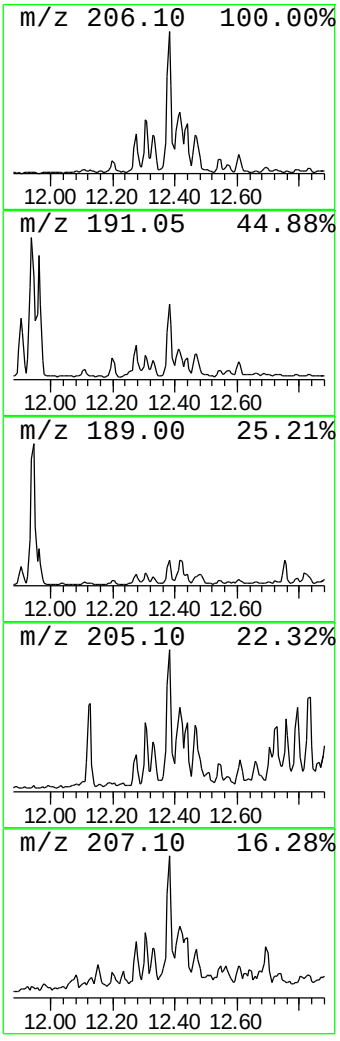
****

Peak Number 14 9,10-Dimethylanthracene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.38	4.54 ng	261444	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	86





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073020\
Data File : BF121141.D
Acq On : 30 Jul 2020 21:52
Operator : JU/CG
Sample : L3436-11 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 11

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

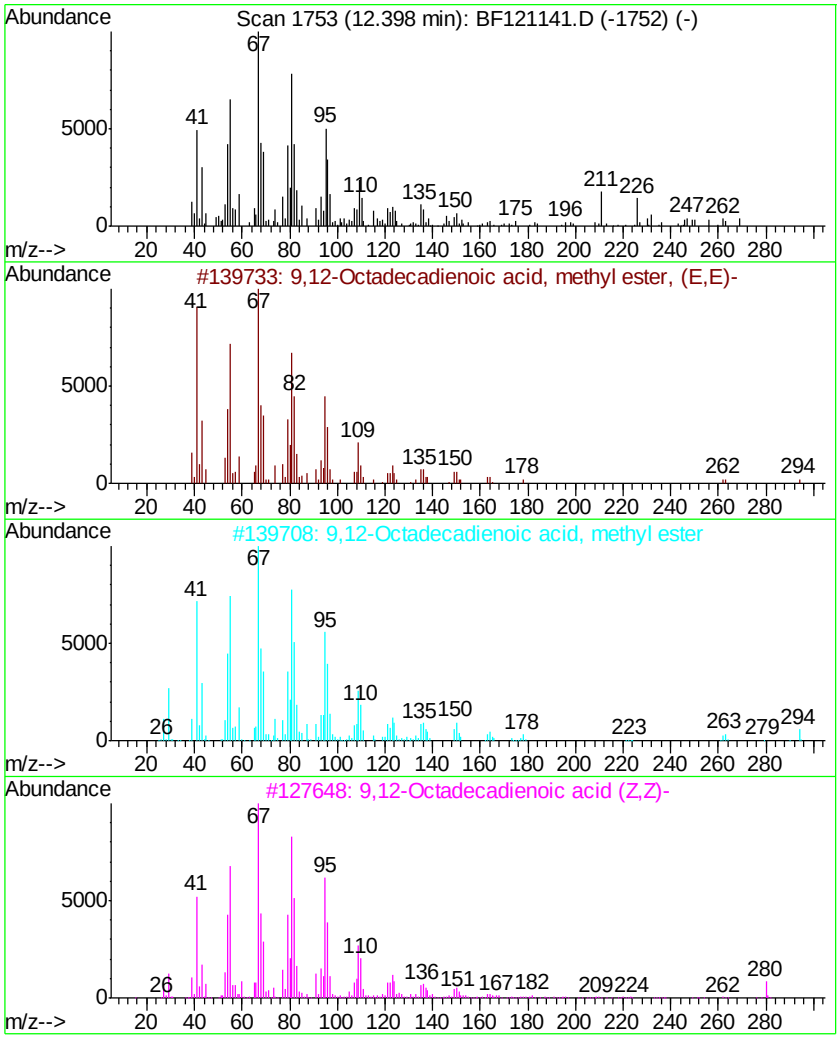
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

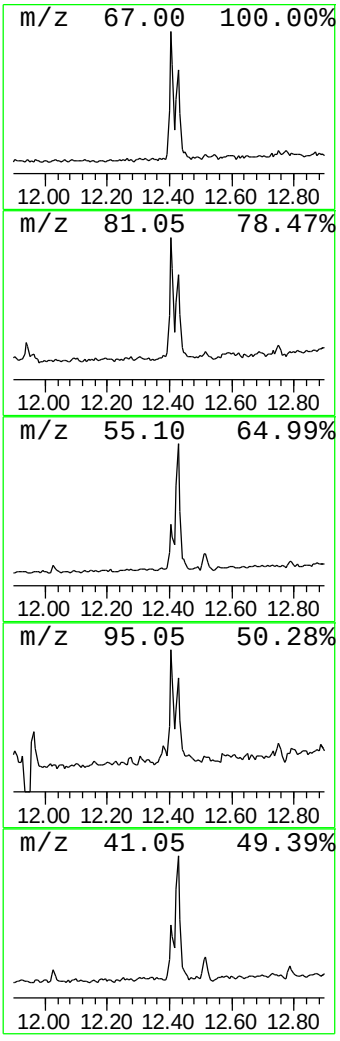
****

Peak Number 15 9,12-Octadecadienoic acid, ... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	7.02 ng	404733	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
2	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	98
3	9,12-Octadecadienoic acid (Z,Z)-	280	C18H32O2	000060-33-3	94
4	11,14-Octadecadienoic acid, meth...	294	C19H34O2	056554-61-1	93
5	Methyl 5,12-octadecadienoate	294	C19H34O2	1000336-43-1	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073020\
Data File : BF121141.D
Acq On : 30 Jul 2020 21:52
Operator : JU/CG
Sample : L3436-11 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 11

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

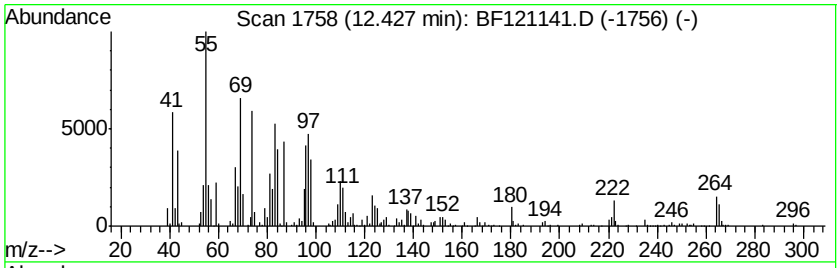
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

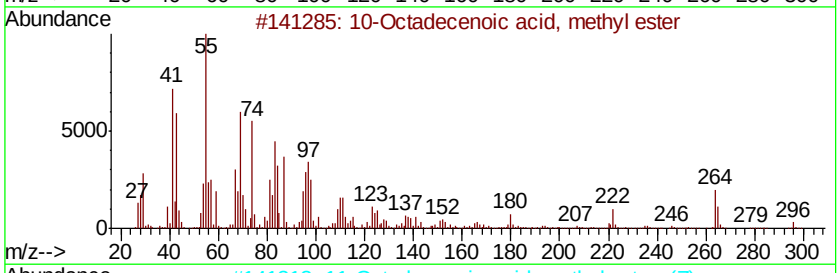
****

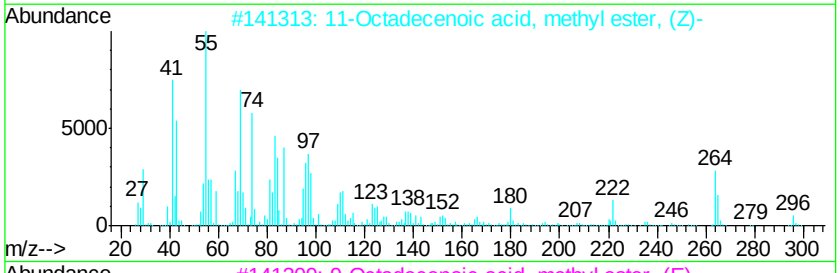
Peak Number 16 10-Octadecenoic acid, methy... Concentration Rank 2

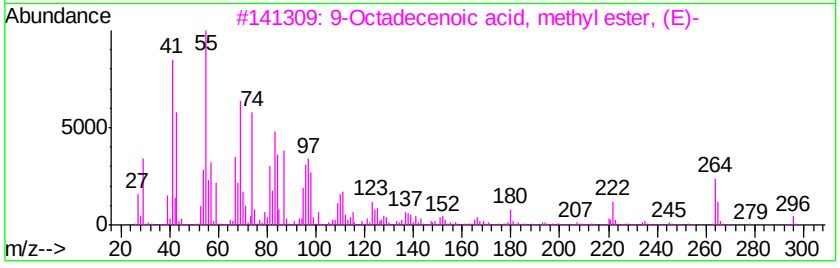
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	11.15 ng	643072	Phenanthrene-d10	11.33

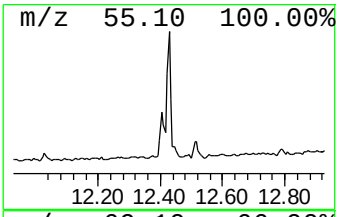
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10-Octadecenoic acid, methyl ester	296	C19H36O2	013481-95-3	99
2	11-Octadecenoic acid, methyl est...	296	C19H36O2	001937-63-9	99
3	9-Octadecenoic acid, methyl este...	296	C19H36O2	001937-62-8	99
4	9-Octadecenoic acid, methyl ester	296	C19H36O2	002462-84-2	99
5	15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	98

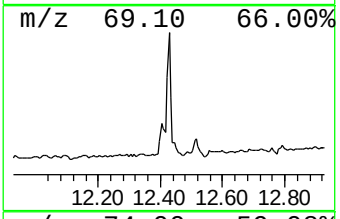


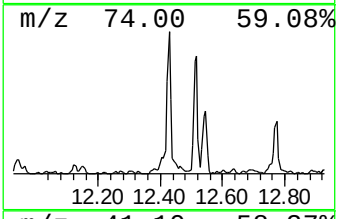


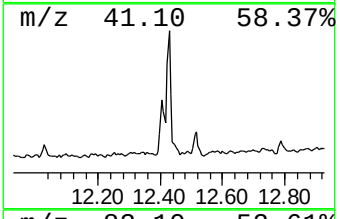


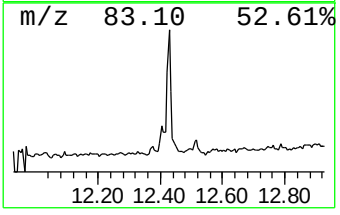












Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073020\
Data File : BF121141.D
Acq On : 30 Jul 2020 21:52
Operator : JU/CG
Sample : L3436-11 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 11

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

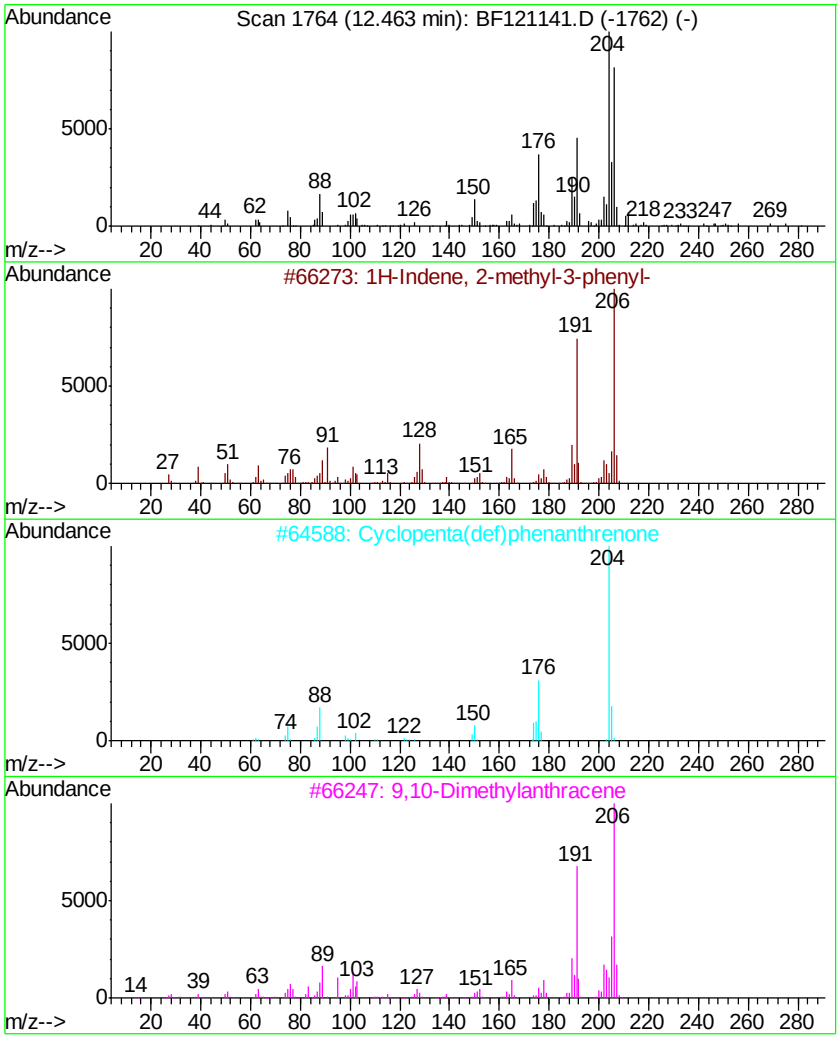
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

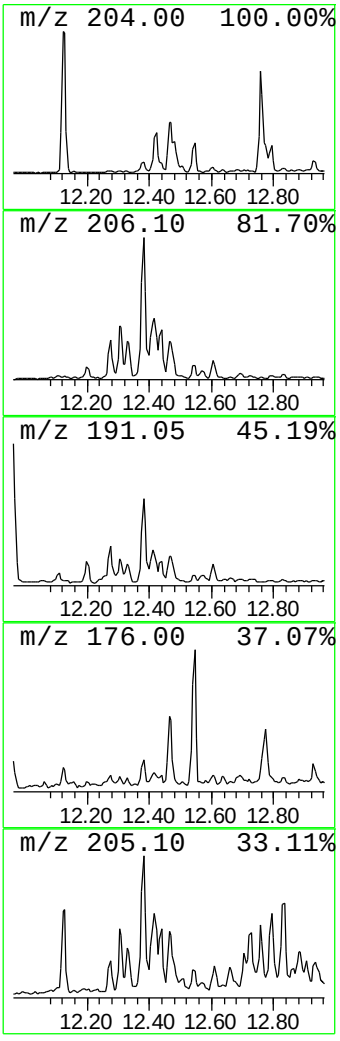
****

Peak Number 17 1H-Indene, 2-methyl-3-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	3.09 ng	177887	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	55
2	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	51
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	50
4	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	46
5	Benzene, (2-methylene-1-phenylcy...	206	C16H14	025152-47-0	46





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073020\
Data File : BF121141.D
Acq On : 30 Jul 2020 21:52
Operator : JU/CG
Sample : L3436-11 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 11

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

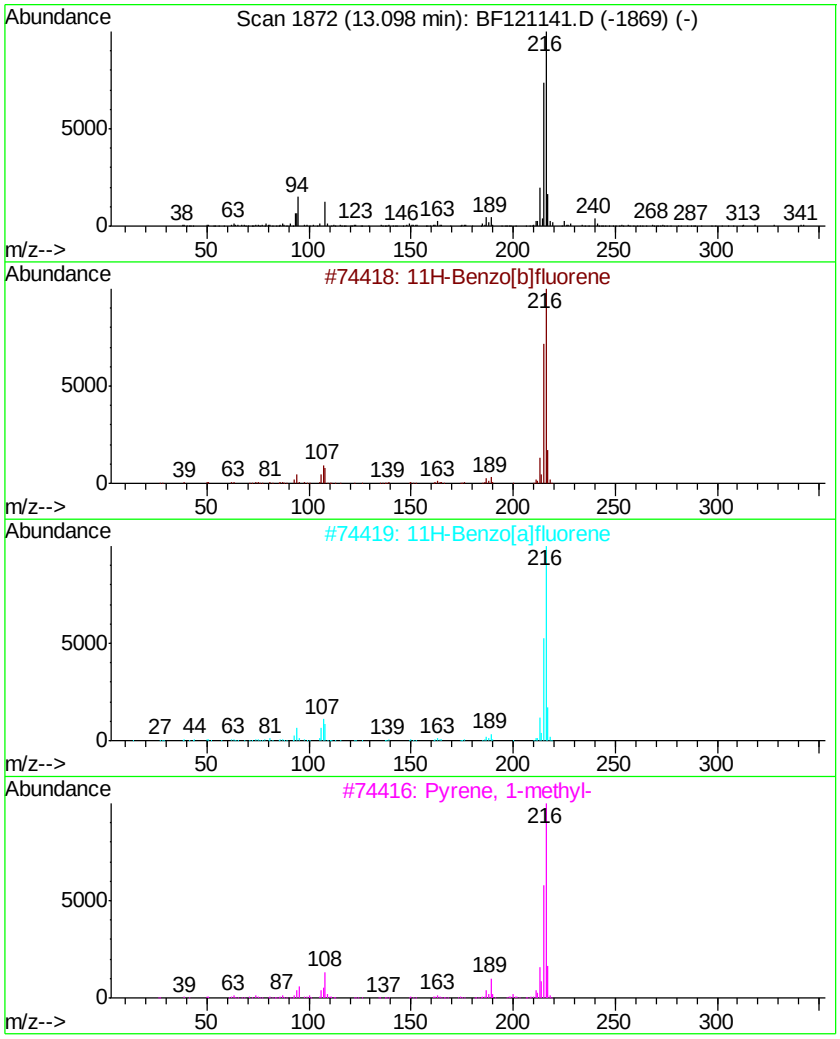
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

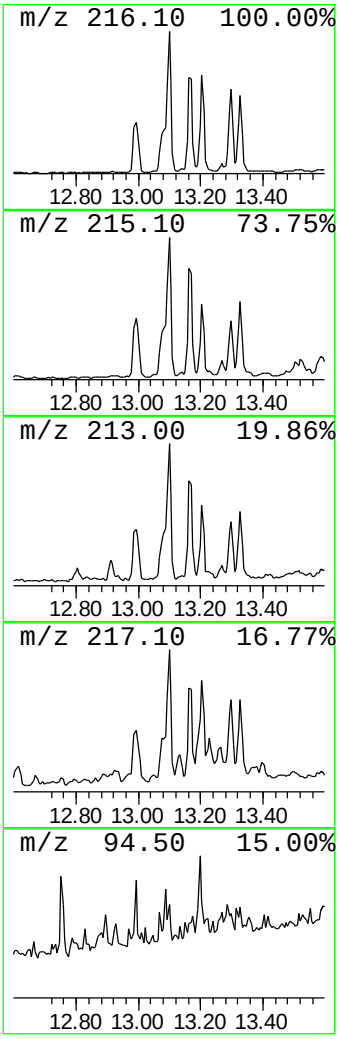
****

Peak Number 18 11H-Benzo[b]fluorene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	3.78 ng	305969	Chrysene-d12	13.97

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	Pyrene, 1-methyl-	216	C17H12	002381-21-7	80
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073020\
Data File : BF121141.D
Acq On : 30 Jul 2020 21:52
Operator : JU/CG
Sample : L3436-11 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 11

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

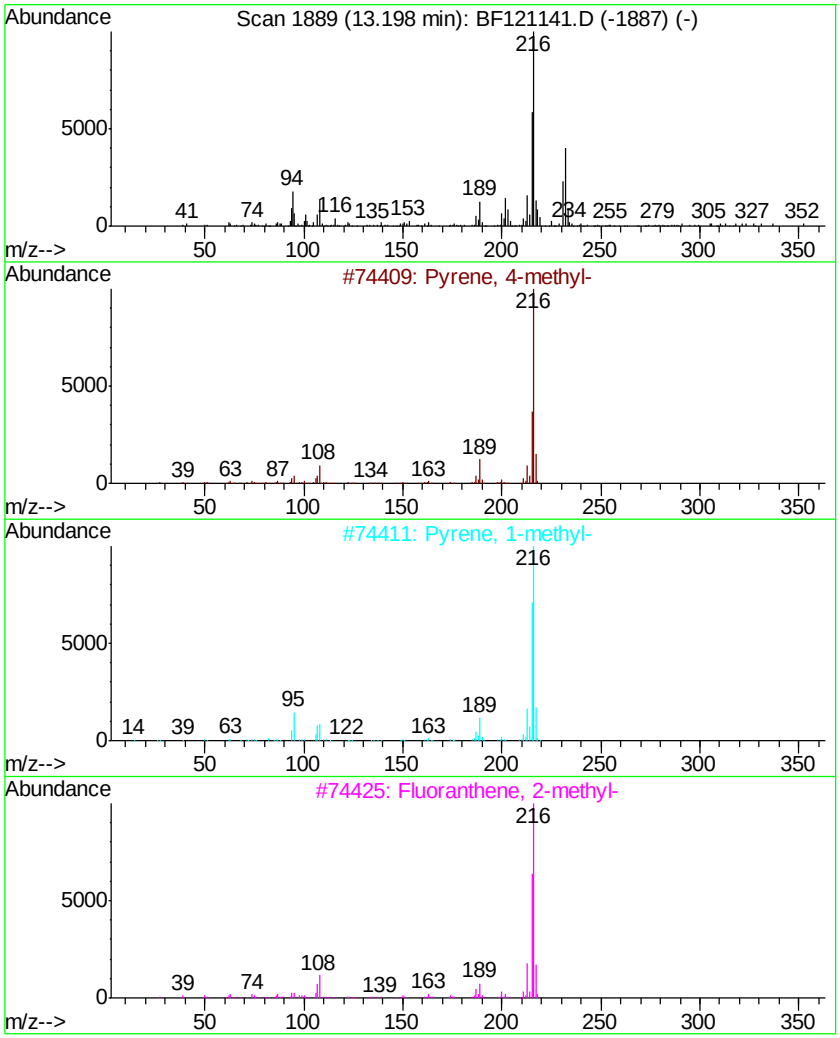
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

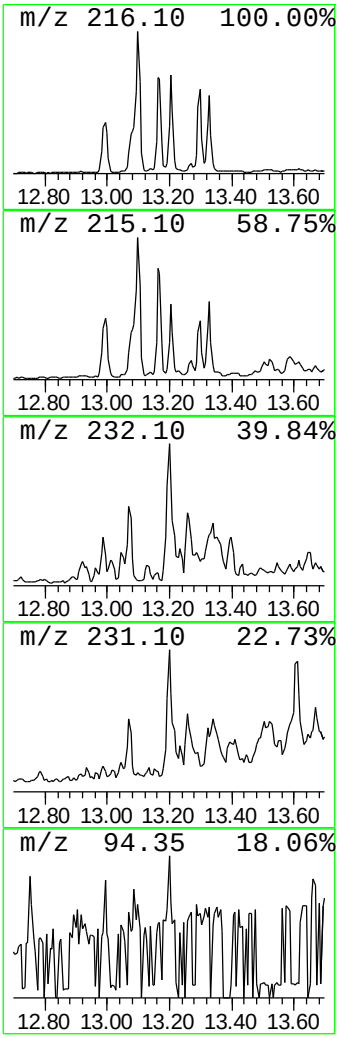
****

Peak Number 19 Pyrene, 4-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.20	2.44 ng	197490	Chrysene-d12	13.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4-methyl-	216	C17H12	003353-12-6	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073020\
Data File : BF121141.D
Acq On : 30 Jul 2020 21:52
Operator : JU/CG
Sample : L3436-11 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 11

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

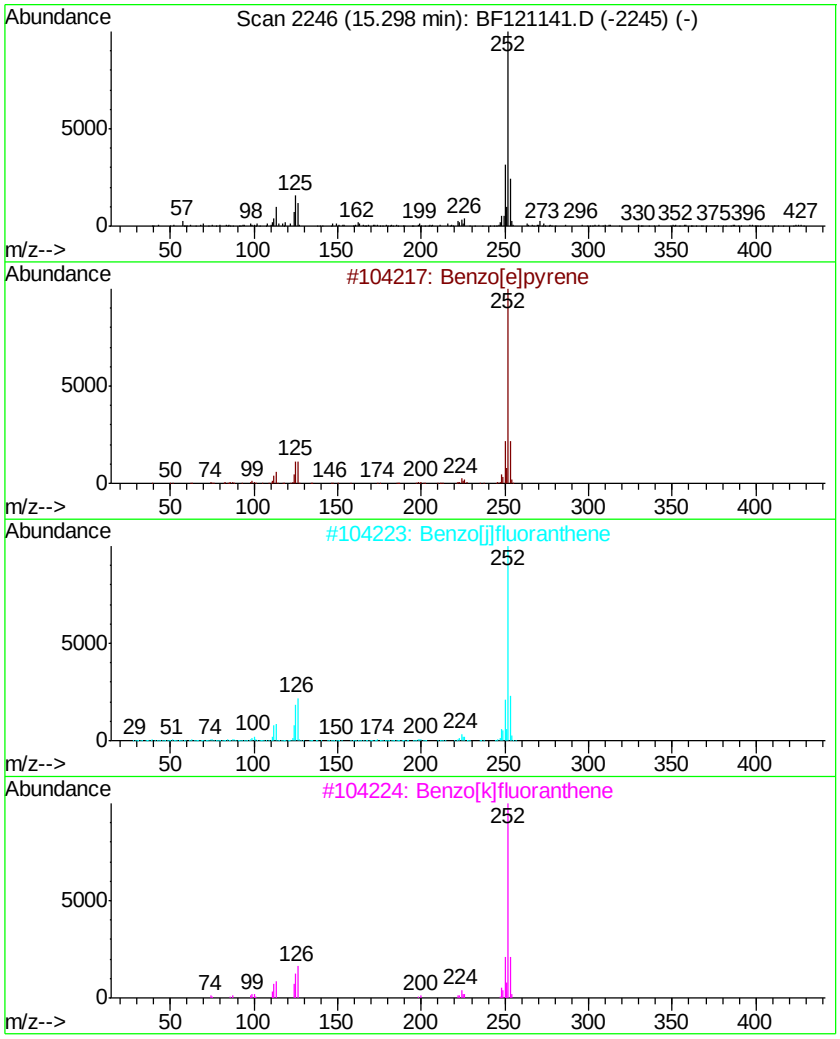
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

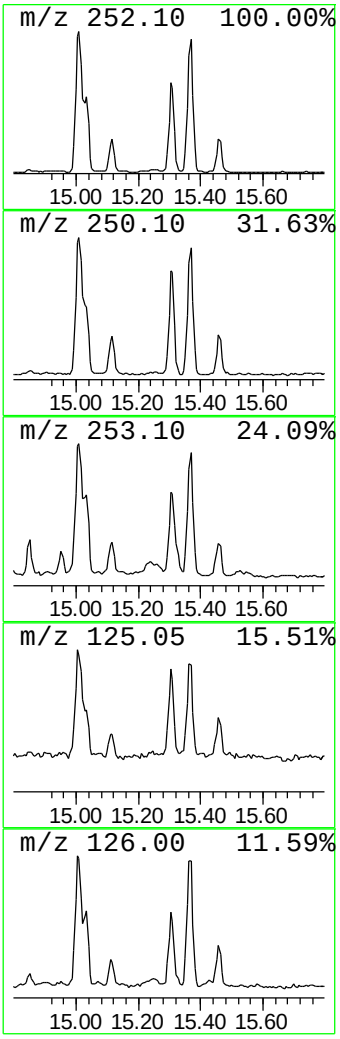
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.30	7.88 ng	286434	Perylene-d12	15.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
4	Perylene	252	C20H12	000198-55-0	89
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF073020\
Data File : BF121141.D
Acq On : 30 Jul 2020 21:52
Operator : JU/CG
Sample : L3436-11 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 11

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
Naphthalene, 1,6-...	9.43	2.4	ng	153454	3	9.84	1255940	20.0
Naphthalene, 2,3-...	9.50	3.0	ng	188488	3	9.84	1255940	20.0
unknown10.76	10.76	3.6	ng	205102	4	11.33	1152990	20.0
9H-Fluorene, 2-me...	10.93	2.7	ng	155034	4	11.33	1152990	20.0
Naphtho[2,3-b]thi...	11.22	4.4	ng	254650	4	11.33	1152990	20.0
Dibenzothiophene,...	11.66	3.0	ng	172971	4	11.33	1152990	20.0
Hexadecanoic acid...	11.72	3.0	ng	171844	4	11.33	1152990	20.0
Phenanthrene, 2-m...	11.83	6.5	ng	372991	4	11.33	1152990	20.0
Phenanthrene, 1-m...	11.86	6.7	ng	383550	4	11.33	1152990	20.0
1H-Cyclopropa[l]p...	11.90	2.8	ng	163583	4	11.33	1152990	20.0
4H-Cyclopenta[def...	11.94	11.5	ng	664386	4	11.33	1152990	20.0
Phenanthrene, 4-m...	11.96	3.5	ng	198667	4	11.33	1152990	20.0
Naphthalene, 2-ph...	12.12	3.5	ng	203627	4	11.33	1152990	20.0
9,10-Dimethylanth...	12.38	4.5	ng	261444	4	11.33	1152990	20.0
9,12-Octadecadien...	12.40	7.0	ng	404733	4	11.33	1152990	20.0
10-Octadecenoic a...	12.43	11.2	ng	643072	4	11.33	1152990	20.0
1H-Indene, 2-meth...	12.46	3.1	ng	177887	4	11.33	1152990	20.0
11H-Benzo[b]fluorene	13.10	3.8	ng	305969	5	13.97	1617790	20.0
Pyrene, 4-methyl-	13.20	2.4	ng	197490	5	13.97	1617790	20.0
Benzo[e]pyrene	15.30	7.9	ng	286434	6	15.43	726590	20.0