LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102120\
Data File : BF122056.D
Acq On : 21 Oct 2020 15:41
Operator : JU/CG
Sample : L4461-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WCS-OH-B2-0.2-4.5

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-BF101220.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF122056.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.934	481	484	494	rBV	19502	32525	1.64%	0.102%
2	5.345	550	554	577	rBV	1627141	1882731	94.95%	5.881%
3	6.375	725	729	747	rBV	1815707	1963859	99.04%	6.135%
4	6.575	761	763	785	rVB	63231	120690	6.09%	0.377%
5	6.722	785	788	797	rVB	772627	676640	34.13%	2.114%
6	7.292	881	885	905	rBV	1463645	1369562	69.07%	4.278%
7	8.010	1003	1007	1010	rBV	990865	930391	46.92%	2.906%
8	8.722	1125	1128	1136	rBV	77584	68773	3.47%	0.215%
9	8.822	1140	1145	1149	rBV	61766	60951	3.07%	0.190%
10	9.081	1185	1189	1192	rBV	2445889	1982804	100.00%	6.194%
11	9.198	1204	1209	1216	rVB	248682	249680	12.59%	0.780%
12	9.345	1231	1234	1238	rBV	37691	49470	2.49%	0.155%
13	9.422	1243	1247	1249	rBV	67287	70237	3.54%	0.219%
14	9.445	1249	1251	1254	rVV2	41763	51679	2.61%	0.161%
15	9.481	1254	1257	1264	rVV	414909	374254	18.87%	1.169%
16	9.533	1264	1266	1275	rVB	38476	49231	2.48%	0.154%
17	9.622	1278	1281	1285	rBV	166987	144861	7.31%	0.453%
18	9.757	1296	1304	1307	rBV	1277960	1079369	54.44%	3.372%
19	9.786	1307	1309	1318	rVV	90077	114511	5.78%	0.358%
20	9.863	1318	1322	1327	rVV3	25534	33207	1.67%	0.104%
21	9.963	1333	1339	1343	rBV2	66467	78421	3.96%	0.245%
22	10.004	1343	1346	1349	rVB	36542	35801	1.81%	0.112%
23	10.075	1354	1358	1361	rBV	54054	60189	3.04%	0.188%
24	10.104	1361	1363	1369	rVB	34830	42642	2.15%	0.133%
25	10.157	1369	1372	1375	rBV3	39769	56385	2.84%	0.176%
26	10.304	1394	1397	1402	rVB2	96982	109428	5.52%	0.342%
27	10.463	1421	1424	1427	rVB	45171	44399	2.24%	0.139%
28	10.551	1435	1439	1450	rVB	1370959	1451961	73.23%	4.536%
29	10.669	1454	1459	1462	rBV	71801	83101	4.19%	0.260%
30	10.851	1486	1490	1493	rBV4	55991	75965	3.83%	0.237%
31	10.880	1493	1495	1498	rVV	50116	42453	2.14%	0.133%
32	10.933	1501	1504	1507	rVB	45312	39708	2.00%	0.124%
33	10.980	1507	1512	1514	rBV2	40358	52609	2.65%	0.164%
34	11.004	1514	1516	1520	rVV2	51389	61239	3.09%	0.191%
35	11.057	1522	1525	1529	rVV2	50866	71449	3.60%	0.223%
36	11.104	1529	1533	1535	rVV3	54007	81669	4.12%	0.255%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102120\
Data File : BF122056.D
Acq On : 21 Oct 2020 15:41
Operator : JU/CG
Sample : L4461-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WCS-OH-B2-0.2-4.5

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-BF101220.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.139	1535	1539	1544	rVB2	115854	140058	7.06%	0.438%
38	11.239	1553	1556	1558	rBV	1150863	1044563	52.68%	3.263%
39	11.263	1558	1560	1564	rVV	926568	879191	44.34%	2.747%
40	11.322	1567	1570	1572	rVV	217195	204884	10.33%	0.640%
41	11.357	1572	1576	1578	rVV2	49066	73254	3.69%	0.229%
42	11.410	1581	1585	1588	rVB3	20370	34173	1.72%	0.107%
43	11.480	1593	1597	1602	rBV3	92941	147864	7.46%	0.462%
44	11.533	1603	1606	1608	rVV2	68250	70421	3.55%	0.220%
45	11.574	1608	1613	1618	rVV3	69049	97723	4.93%	0.305%
46	11.657	1624	1627	1631	rBV2	35212	42527	2.14%	0.133%
47	11.745	1638	1642	1644	rBV	227734	219723	11.08%	0.686%
48	11.774	1644	1647	1651	rVV	309732	302720	15.27%	0.946%
49	11.822	1652	1655	1657	rVV	122555	113058	5.70%	0.353%
50	11.851	1657	1660	1663	rVV2	350209	409198	20.64%	1.278%
51	11.874	1663	1664	1669	rVV	184213	143272	7.23%	0.448%
52	11.939	1672	1675	1677	rVV3	35171	41317	2.08%	0.129%
53	11.974	1679	1681	1685	rVV	42630	44267	2.23%	0.138%
54	12.039	1689	1692	1696	rVV	139686	169095	8.53%	0.528%
55	12.074	1696	1698	1702	rVB2	82939	93506	4.72%	0.292%
56	12.186	1712	1717	1720	rBV2	78711	122766	6.19%	0.384%
57	12.216	1720	1722	1725	rVV	91635	78879	3.98%	0.246%
58	12.245	1725	1727	1729	rVB	71010	55022	2.77%	0.172%
59	12.292	1731	1735	1737	rBV	263878	257175	12.97%	0.803%
60	12.327	1737	1741	1743	rVV2	140849	183573	9.26%	0.573%
61	12.351	1743	1745	1747	rVV	66910	50712	2.56%	0.158%
62	12.386	1747	1751	1754	rVV2	96554	131868	6.65%	0.412%
63	12.457	1759	1763	1766	rBV	1333352	1163003	58.65%	3.633%
64	12.521	1772	1774	1776	rVB2	56266	44997	2.27%	0.141%
65	12.551	1776	1779	1782	rBV	74357	71787	3.62%	0.224%
66	12.604	1785	1788	1791	rBV2	109571	109982	5.55%	0.344%
67	12.686	1796	1802	1808	rVV	1287476	1493669	75.33%	4.666%
68	12.739	1808	1811	1814	rVB2	120372	128845	6.50%	0.402%
69	12.821	1821	1825	1828	rBV	1838587	1574422	79.40%	4.918%
70	12.904	1835	1839	1845	rBV4	148356	271519	13.69%	0.848%
71	12.957	1845	1848	1850	rVB2	65493	52945	2.67%	0.165%
72	13.010	1850	1857	1861	rBV2	228725	414169	20.89%	1.294%
73	13.051	1861	1864	1866	rBV3	72876	76867	3.88%	0.240%
74	13.074	1866	1868	1871	rVB	117075	96680	4.88%	0.302%
75	13.116	1872	1875	1879	rVV2	230409	217941	10.99%	0.681%
76	13.210	1886	1891	1893	rBV	187647	194394	9.80%	0.607%

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Misc :
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Instrument : BNA_F
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Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.239	1893	1896	1899	rVB	166367	147998	7.46%	0.462%
78	13.386	1919	1921	1923	rBV2	94795	100570	5.07%	0.314%
79	13.527	1943	1945	1948	rVB2	110434	97566	4.92%	0.305%
80	13.580	1952	1954	1958	rBV	50234	43581	2.20%	0.136%
81	13.633	1958	1963	1965	rBV2	141195	203042	10.24%	0.634%
82	13.686	1969	1972	1976	rVV2	90450	162471	8.19%	0.508%
83	13.739	1978	1981	1988	rVB2	245040	361535	18.23%	1.129%
84	13.851	1997	2000	2001	rBV	264380	219478	11.07%	0.686%
85	13.880	2001	2005	2008	rVV2	1046670	1500148	75.66%	4.686%
86	13.904	2008	2009	2013	rVB	546340	465752	23.49%	1.455%
87	13.986	2021	2023	2026	rVB	65081	51639	2.60%	0.161%
88	14.039	2029	2032	2038	rVV5	77723	127655	6.44%	0.399%
89	14.268	2069	2071	2074	rVB	176765	147740	7.45%	0.462%
90	14.304	2075	2077	2079	rVB	98130	70391	3.55%	0.220%
91	14.339	2080	2083	2086	rBV4	108211	127540	6.43%	0.398%
92	14.392	2090	2092	2094	rBV	87294	77760	3.92%	0.243%
93	14.757	2152	2154	2157	rVB	90354	72838	3.67%	0.228%
94	14.910	2176	2180	2182	rBV	416424	566499	28.57%	1.770%
95	15.010	2194	2197	2202	rBV	138324	179143	9.03%	0.560%
96	15.198	2225	2229	2232	rBV	310948	381384	19.23%	1.191%
97	15.257	2235	2239	2244	rVV	529203	707509	35.68%	2.210%
98	15.315	2245	2249	2252	rVB	542787	671029	33.84%	2.096%
99	16.721	2483	2488	2497	rVB	222558	420251	21.19%	1.313%
100	17.145	2555	2560	2571	rVB	160967	352899	17.80%	1.102%

Sum of corrected areas: 32011291

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102120\
Data File : BF122056.D
Acq On : 21 Oct 2020 15:41
Operator : JU/CG
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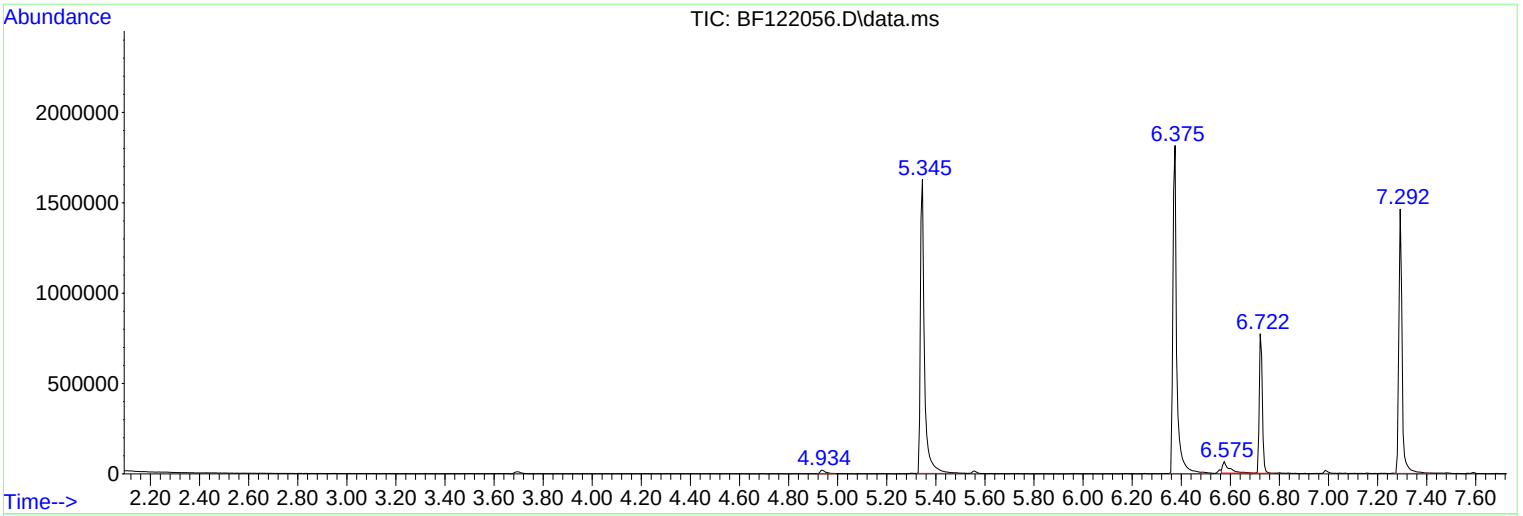
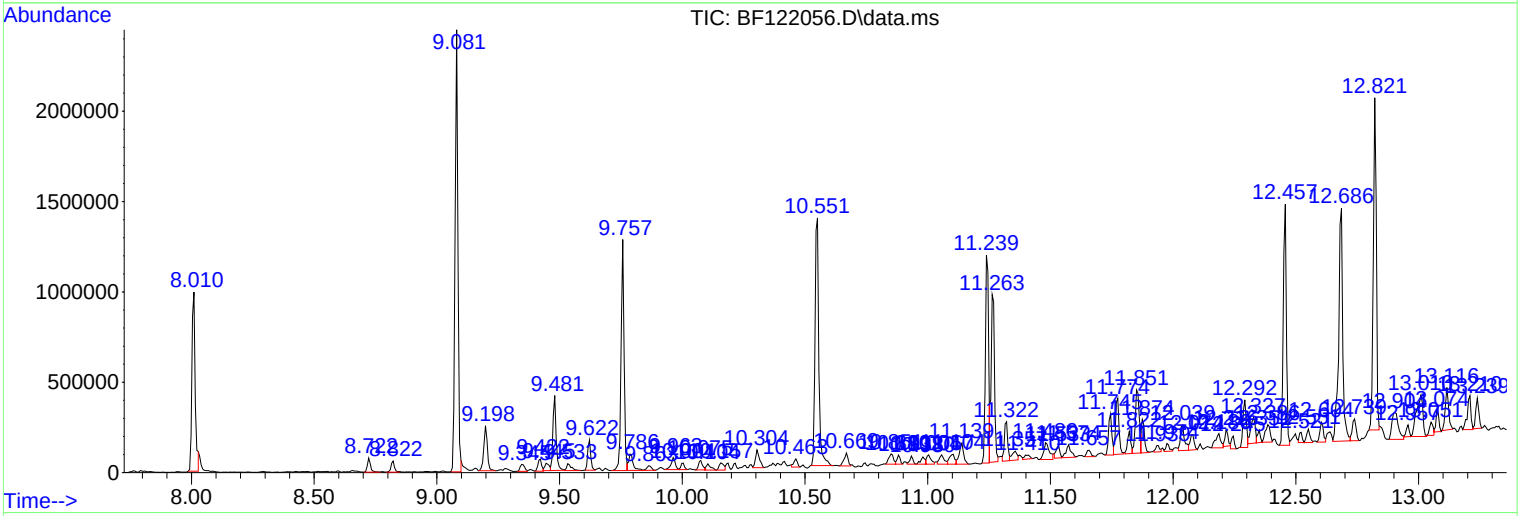
Misc :
ALS Vial : 13 Sample Multiplier: 1

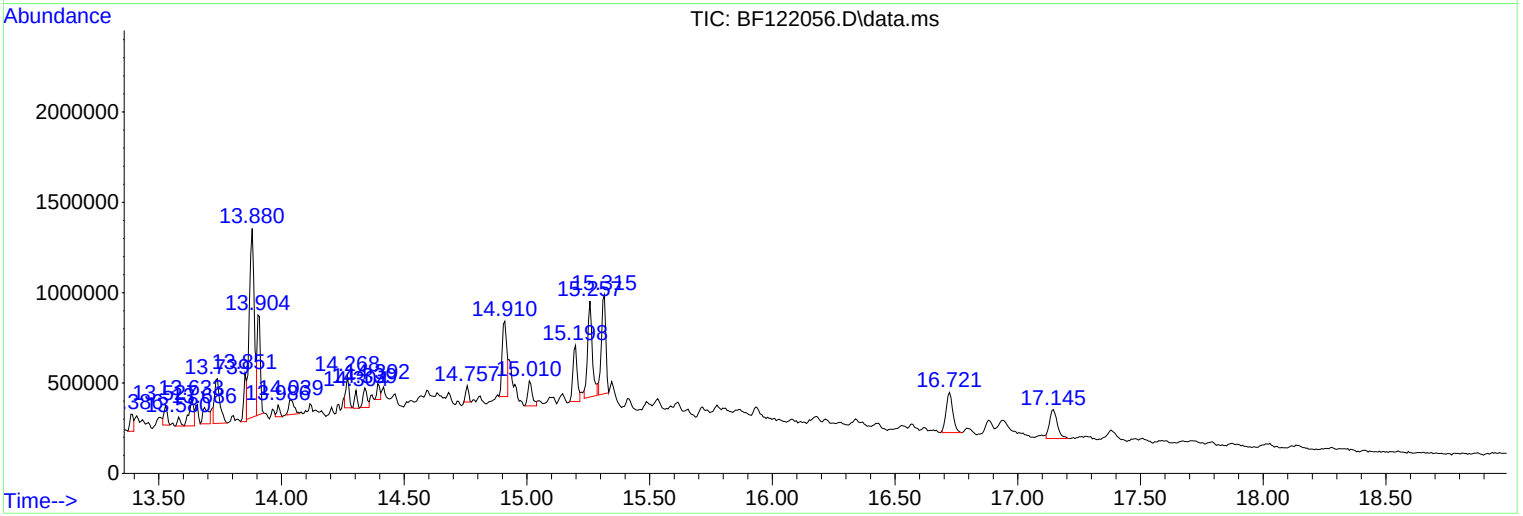
Instrument :
BNA_F
ClientSampleId :
WCS-OH-B2-0.2-4.5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.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\BF102120\
Data File : BF122056.D
Acq On : 21 Oct 2020 15:41
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Sample : L4461-02
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Instrument : BNA_F
ClientSampleId : WCS-OH-B2-0.2-4.5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

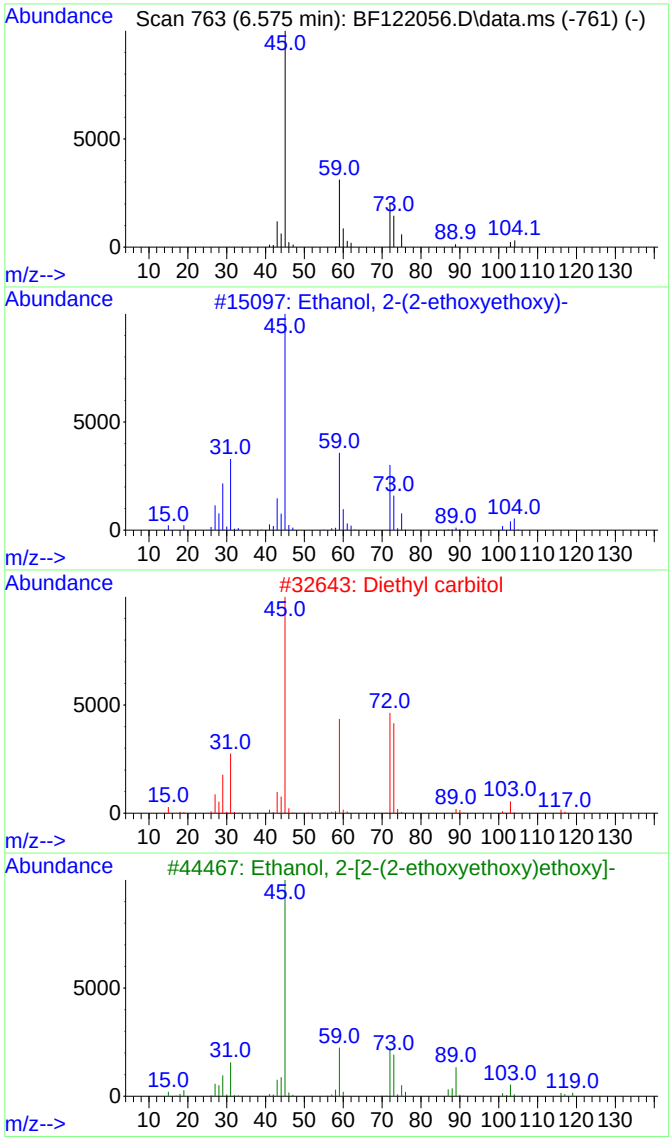
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

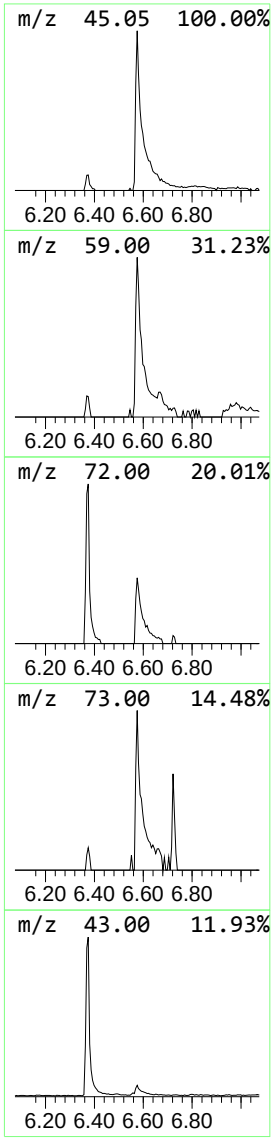
****

Peak Number 1 Ethanol, 2-(2-ethoxyethoxy)- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.575	3.57 ng	120690	1,4-Dichlorobenzene-d4	6.722

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(2-ethoxyethoxy)-	134	C6H14O3	000111-90-0	83
2	Diethyl carbitol	162	C8H18O3	000112-36-7	78
3	Ethanol, 2-[2-(2-ethoxyethoxy)et...	178	C8H18O4	000112-50-5	39
4	2-Propanol, 1-(1-methylethoxy)-	118	C6H14O2	003944-36-3	38
5	Acetic acid, hydroxy-, ethyl ester	104	C4H8O3	000623-50-7	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102120\
Data File : BF122056.D
Acq On : 21 Oct 2020 15:41
Operator : JU/CG
Sample : L4461-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WCS-OH-B2-0.2-4.5

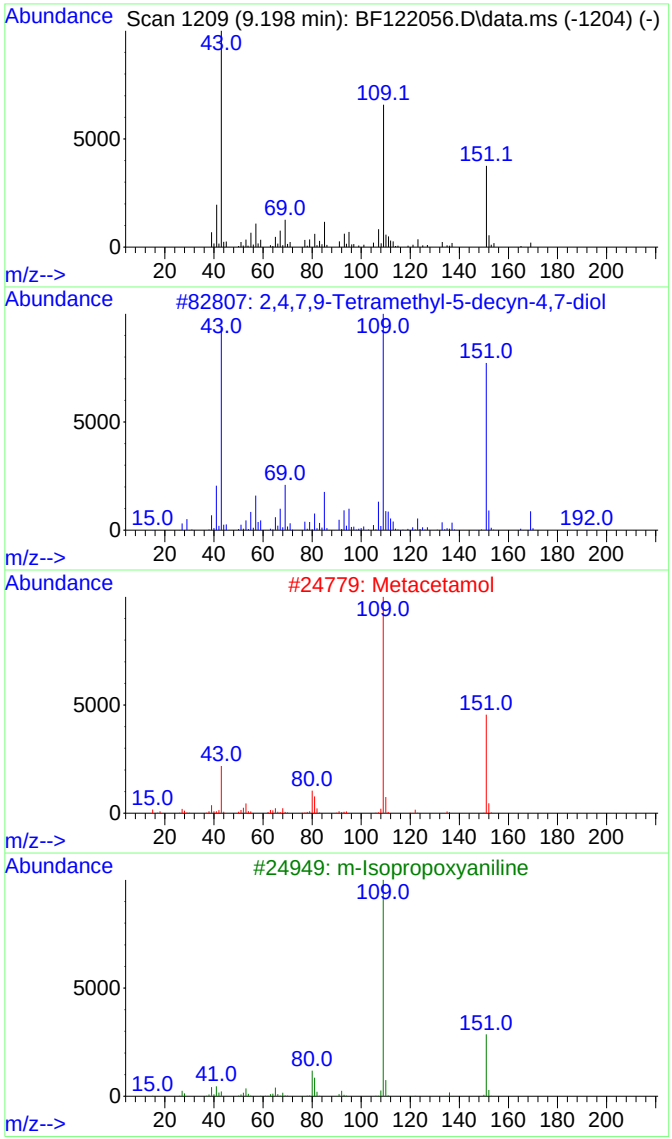
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

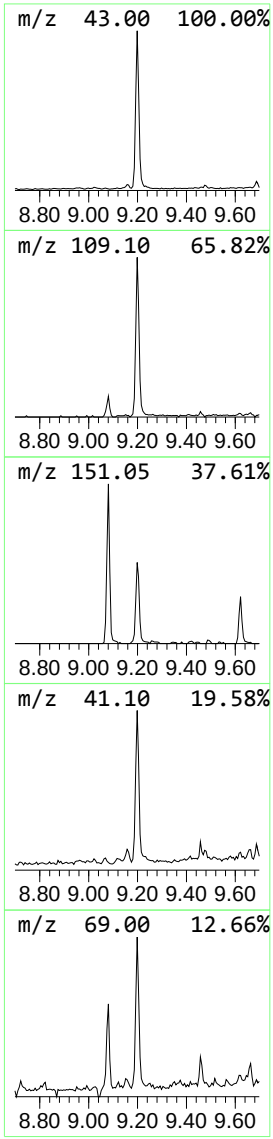
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2,4,7,9-Tetramethyl-5-decyn... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.198	4.63 ng	249680	Acenaphthene-d10	9.757

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,7,9-Tetramethyl-5-decyn-4,7-...	226	C14H26O2	000126-86-3	87
2	Metacetamol	151	C8H9NO2	000621-42-1	49
3	m-Isopropoxyaniline	151	C9H13NO	041406-00-2	47
4	Cyclohexanol, 3,3,5-trimethyl-	142	C9H18O	000116-02-9	47
5	Acetaminophen	151	C8H9NO2	000103-90-2	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102120\
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Acq On : 21 Oct 2020 15:41
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Sample : L4461-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WCS-OH-B2-0.2-4.5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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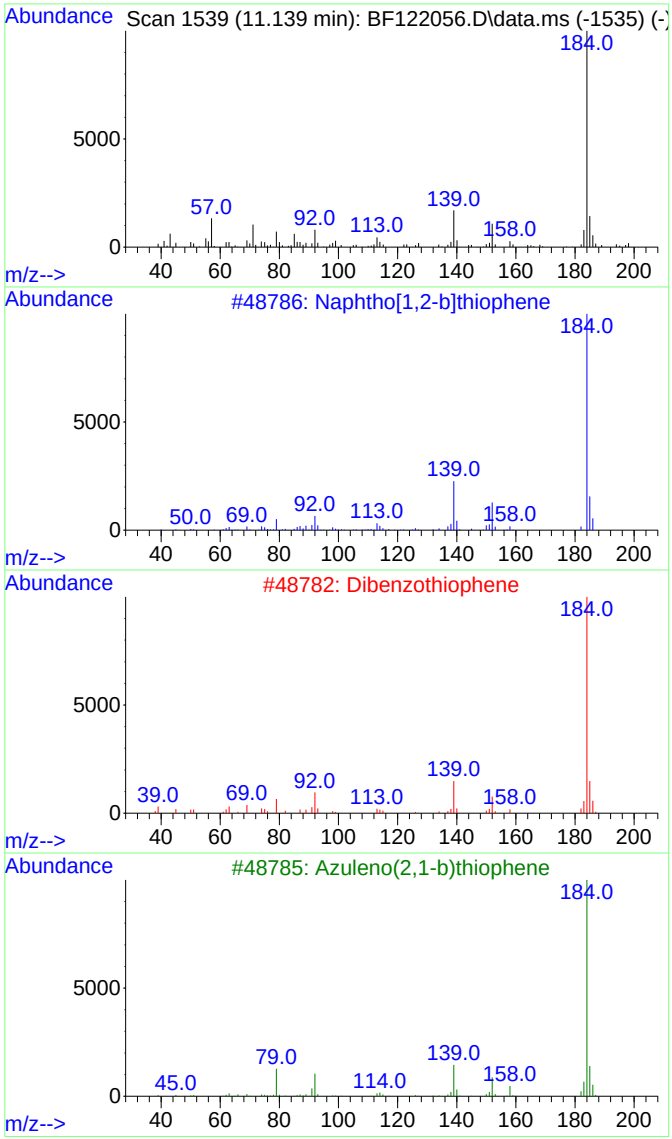
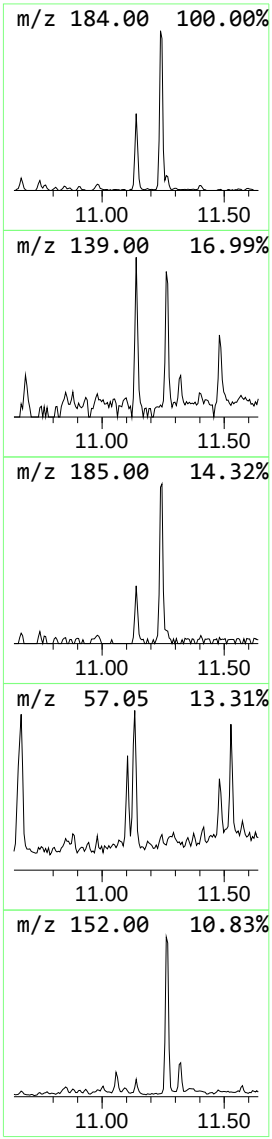
Peak Number 3 Naphtho[1,2-b]thiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.139	2.68 ng	140058	Phenanthrene-d10	11.239

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
2	Dibenzothiophene	184	C12H8S	000132-65-0	94
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
4	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	91
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102120\
Data File : BF122056.D
Acq On : 21 Oct 2020 15:41
Operator : JU/CG
Sample : L4461-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WCS-OH-B2-0.2-4.5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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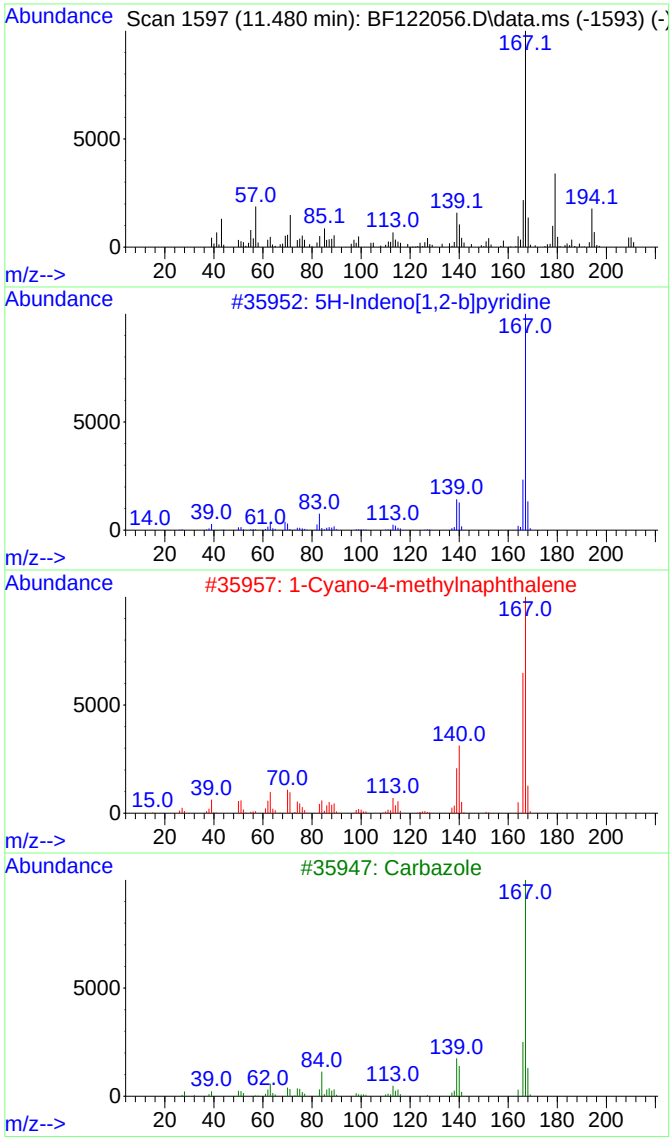
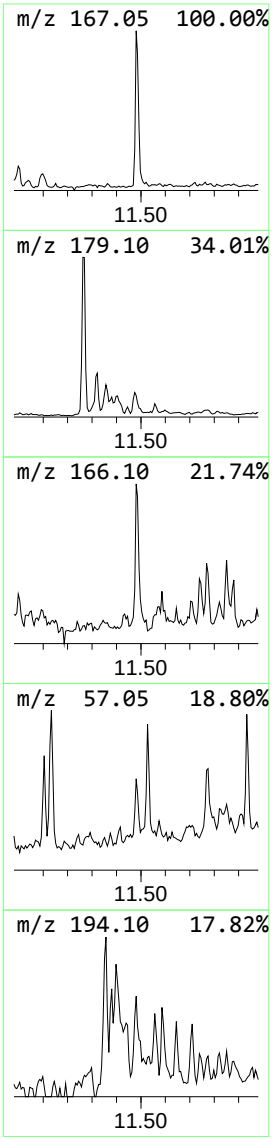
Peak Number 4 5H-Indeno[1,2-b]pyridine Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.480	2.83 ng	147864	Phenanthrene-d10	11.239

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	92
2	1-Cyano-4-methylnaphthalene	167	C12H9N	036062-93-8	70
3	Carbazole	167	C12H9N	000086-74-8	70
4	9H-Carbazole-9-methanol	197	C13H11NO	002409-36-1	58
5	9H-Carbazole, 9-nitroso-	196	C12H8N2O	002788-23-0	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102120\
Data File : BF122056.D
Acq On : 21 Oct 2020 15:41
Operator : JU/CG
Sample : L4461-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WCS-OH-B2-0.2-4.5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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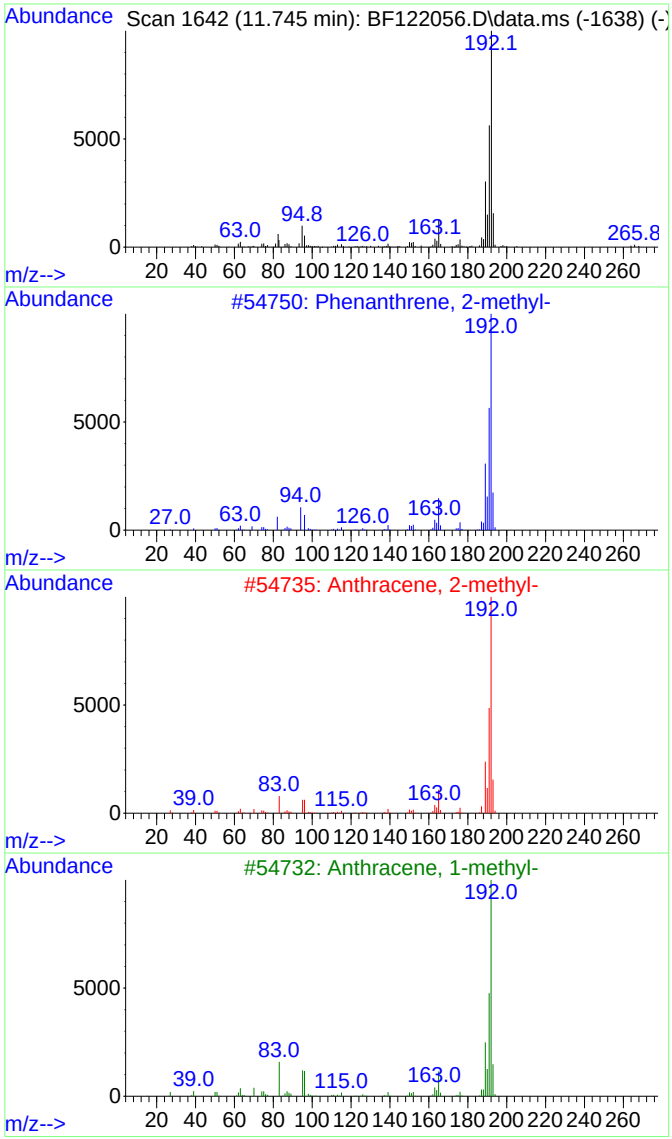
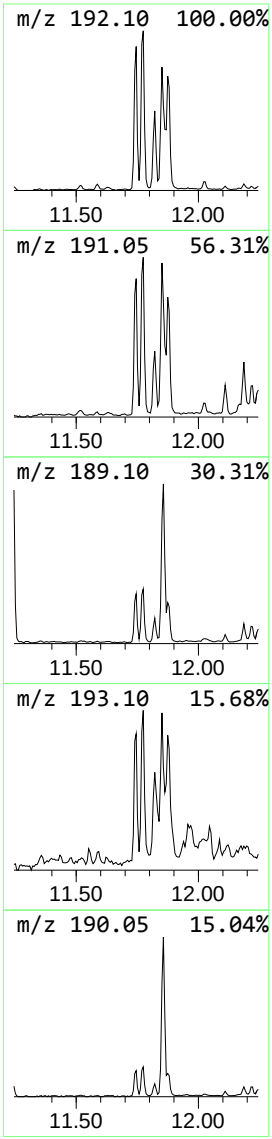
Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.745	4.21 ng	219723	Phenanthrene-d10	11.239

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	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





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Acq On : 21 Oct 2020 15:41
Operator : JU/CG
Sample : L4461-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WCS-OH-B2-0.2-4.5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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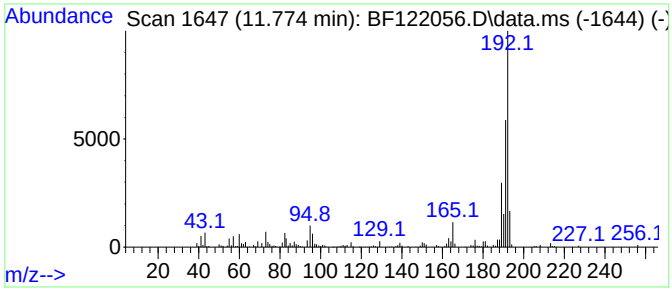
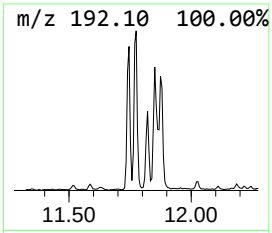
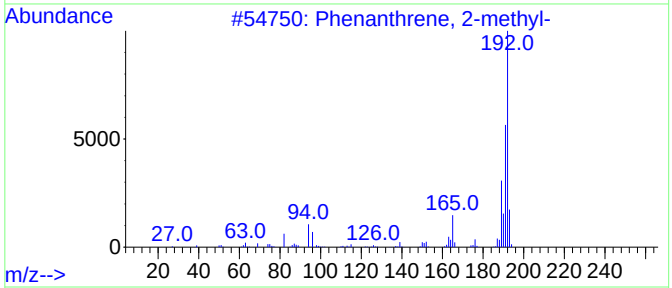
Peak Number 6 Anthracene, 9-methyl- Concentration Rank 3

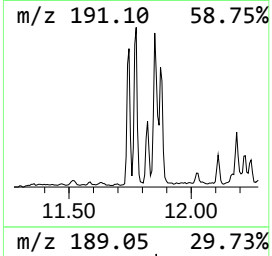
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.775	5.80 ng	302720	Phenanthrene-d10	11.239

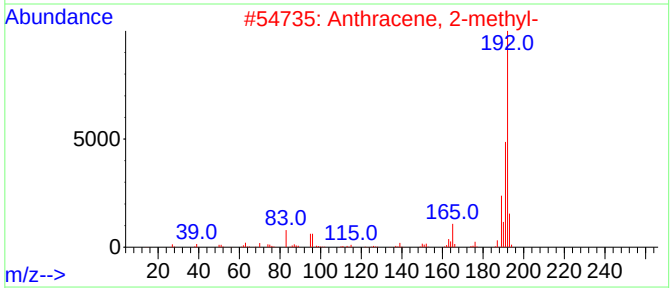
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93

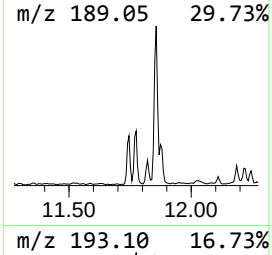


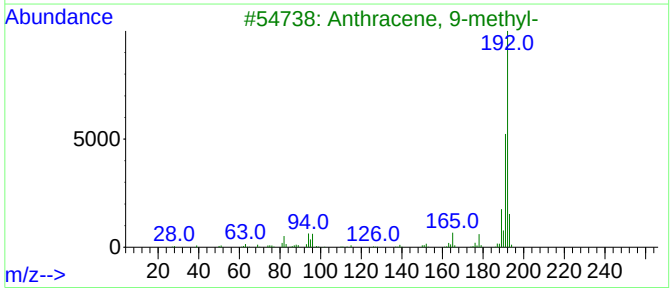


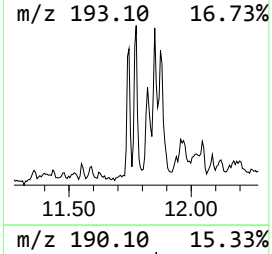


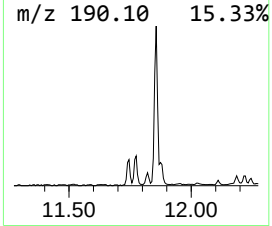












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Acq On : 21 Oct 2020 15:41
Operator : JU/CG
Sample : L4461-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WCS-OH-B2-0.2-4.5

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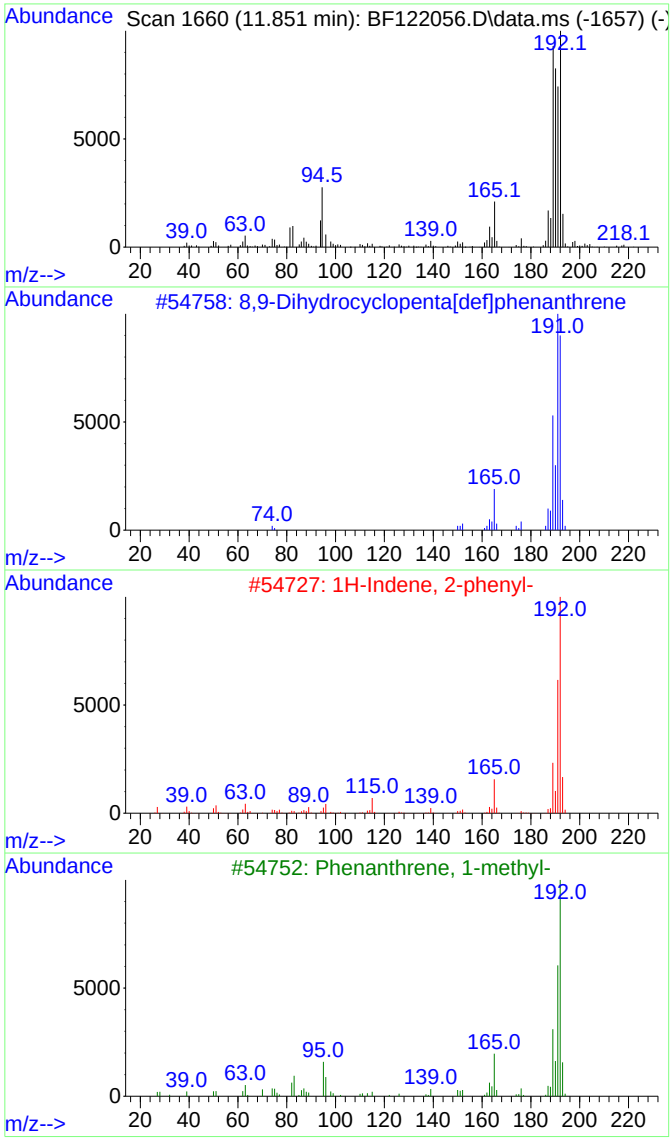
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

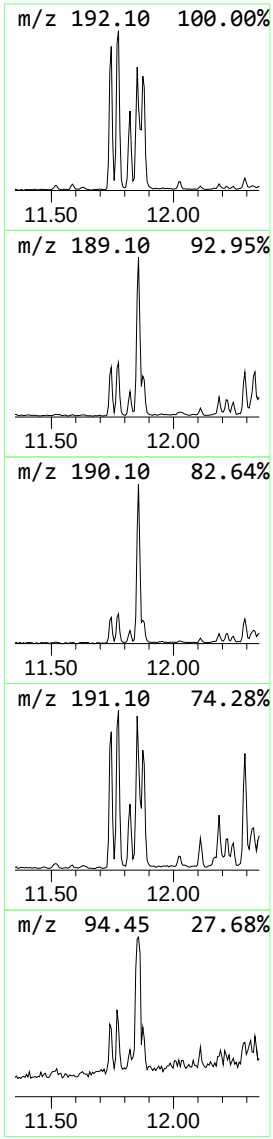
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 8,9-Dihydrocyclopenta[def]p... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.851	7.83 ng	409198	Phenanthrene-d10	11.239

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	86
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	50
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	50
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	46
5	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	46





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Sample : L4461-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

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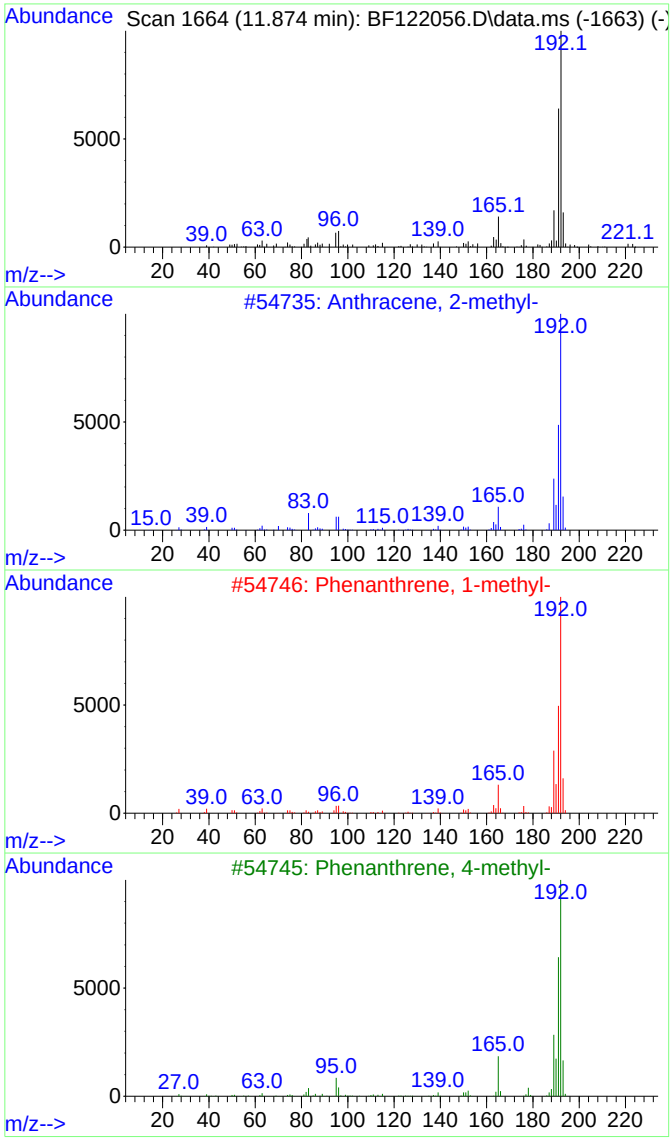
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

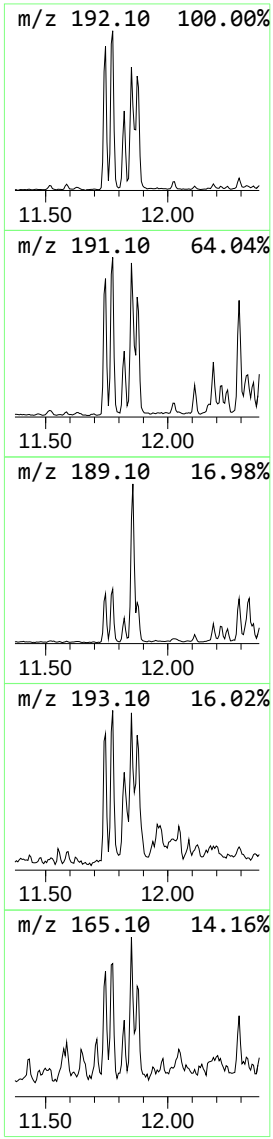
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Anthracene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.874	2.74 ng	143272	Phenanthrene-d10	11.239

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94





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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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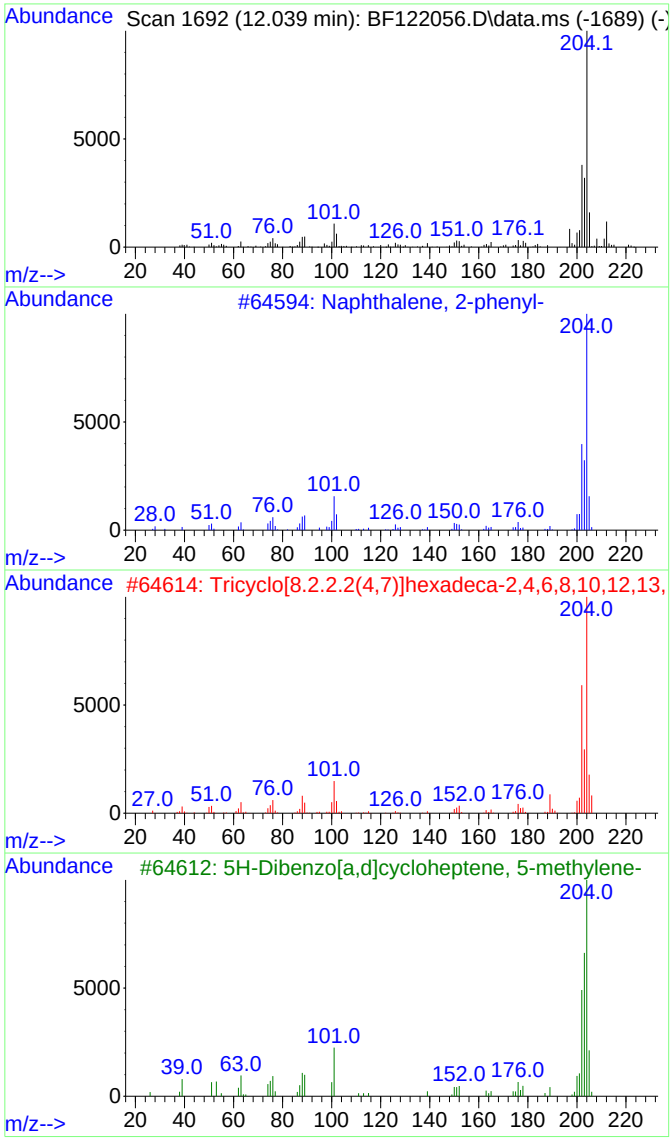
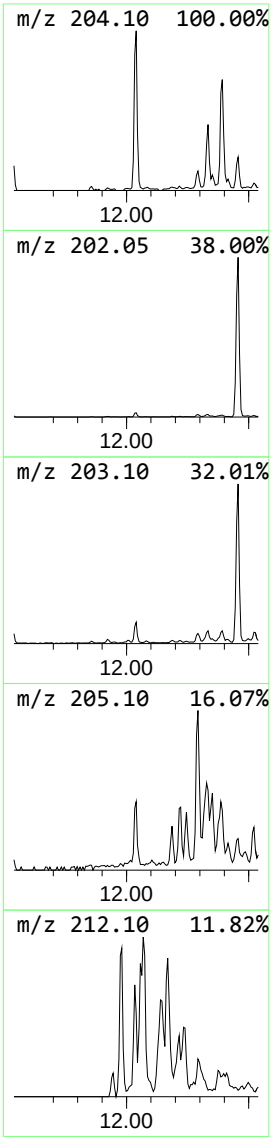
Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.039	3.24 ng	169095	Phenanthrene-d10	11.239

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	76
3	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	60
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	53
5	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	49





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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WCS-OH-B2-0.2-4.5

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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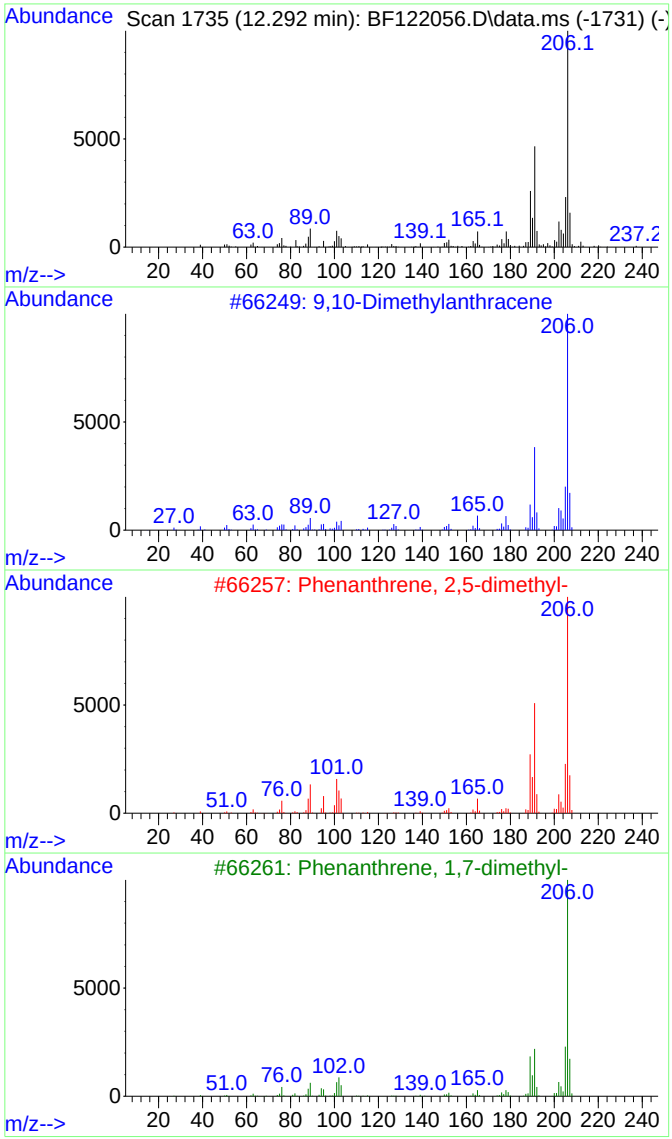
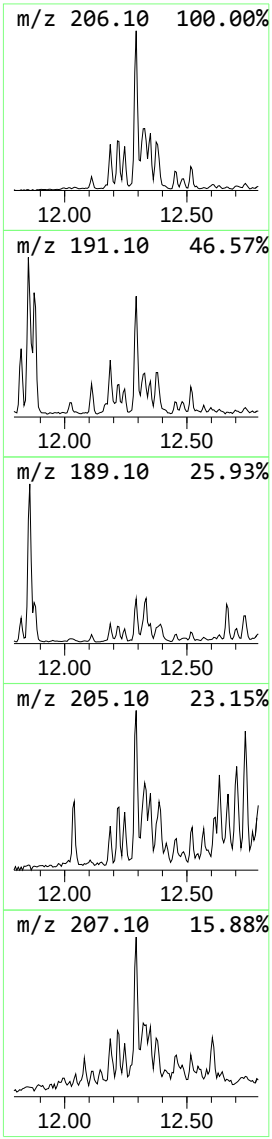
Peak Number 10 9,10-Dimethylanthracene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.292	4.92 ng	257175	Phenanthrene-d10	11.239

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86





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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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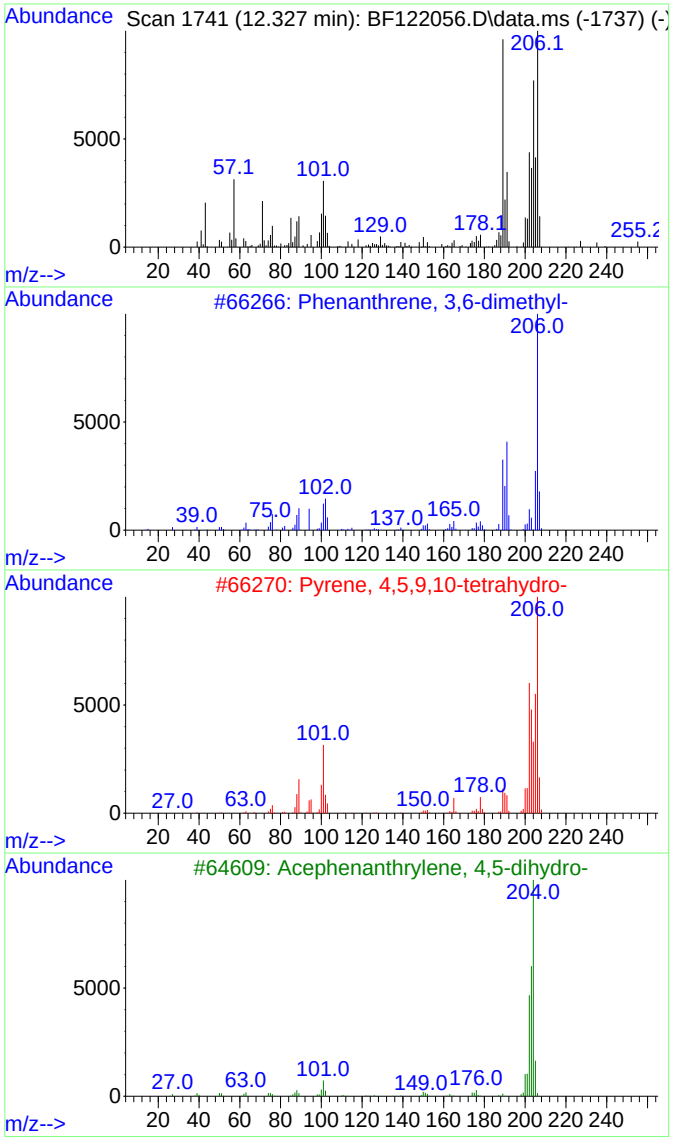
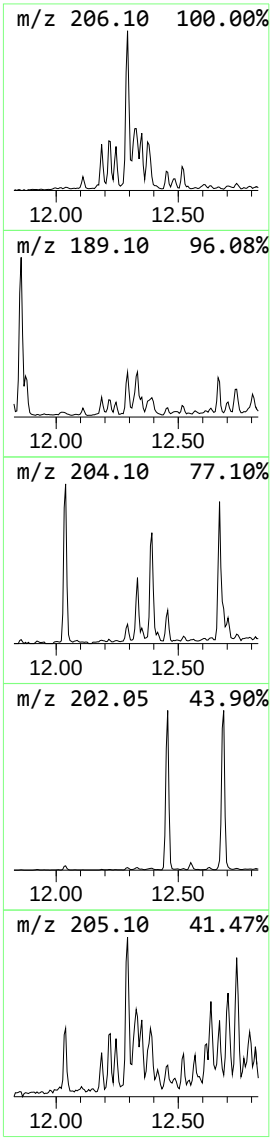
Peak Number 11 unknown12.32 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.327	3.51 ng	183573	Phenanthrene-d10	11.239

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	46
2	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	46
3	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	43
4	Benzene, 1,1'-(1,3-butadienylide...	206	C16H14	004165-81-5	38
5	Benzene, (2-methylene-1-phenylcy...	206	C16H14	025152-47-0	30





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Instrument : BNA_F
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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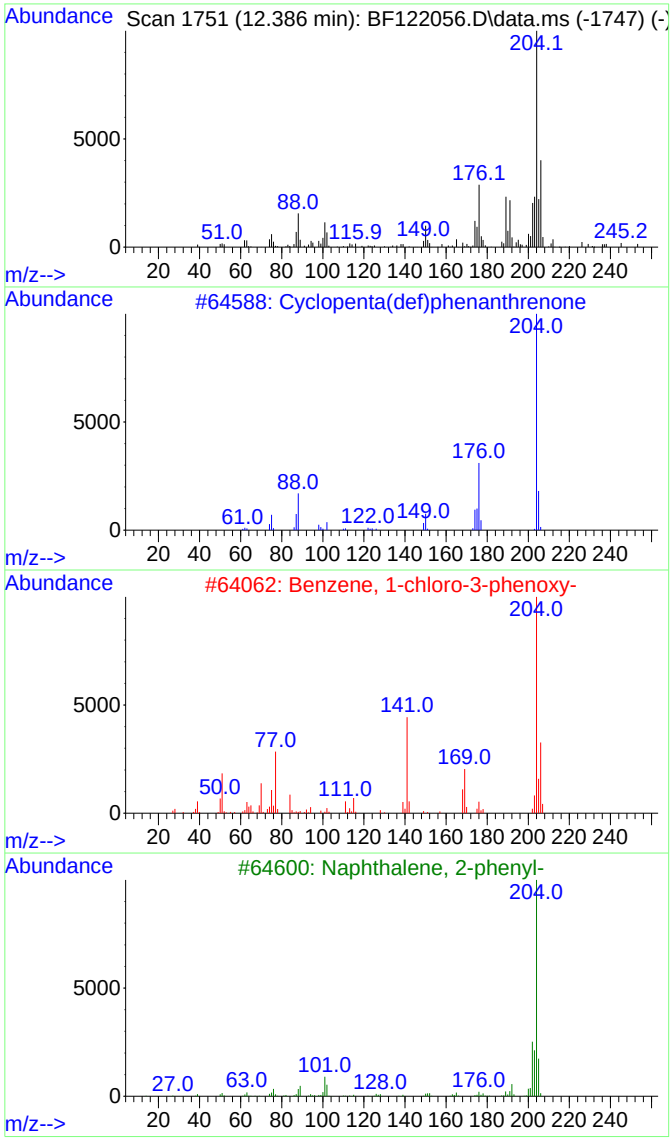
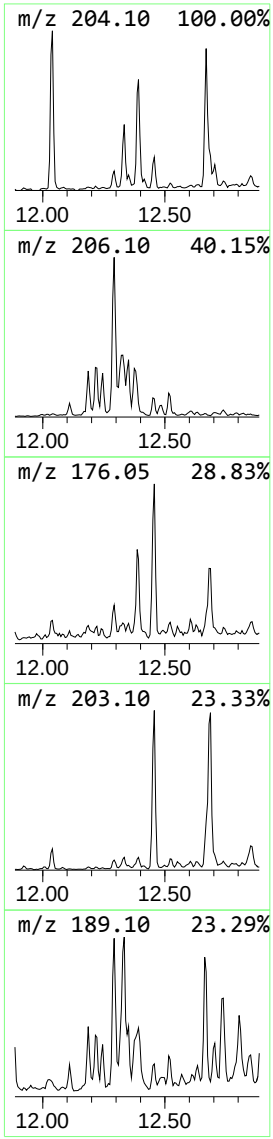
Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.386	2.52 ng	131868	Phenanthrene-d10	11.239

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	89
2	Benzene, 1-chloro-3-phenoxy-	204	C12H9ClO	006452-49-9	46
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	45
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	43
5	Benzene, 1-chloro-4-phenoxy-	204	C12H9ClO	007005-72-3	43





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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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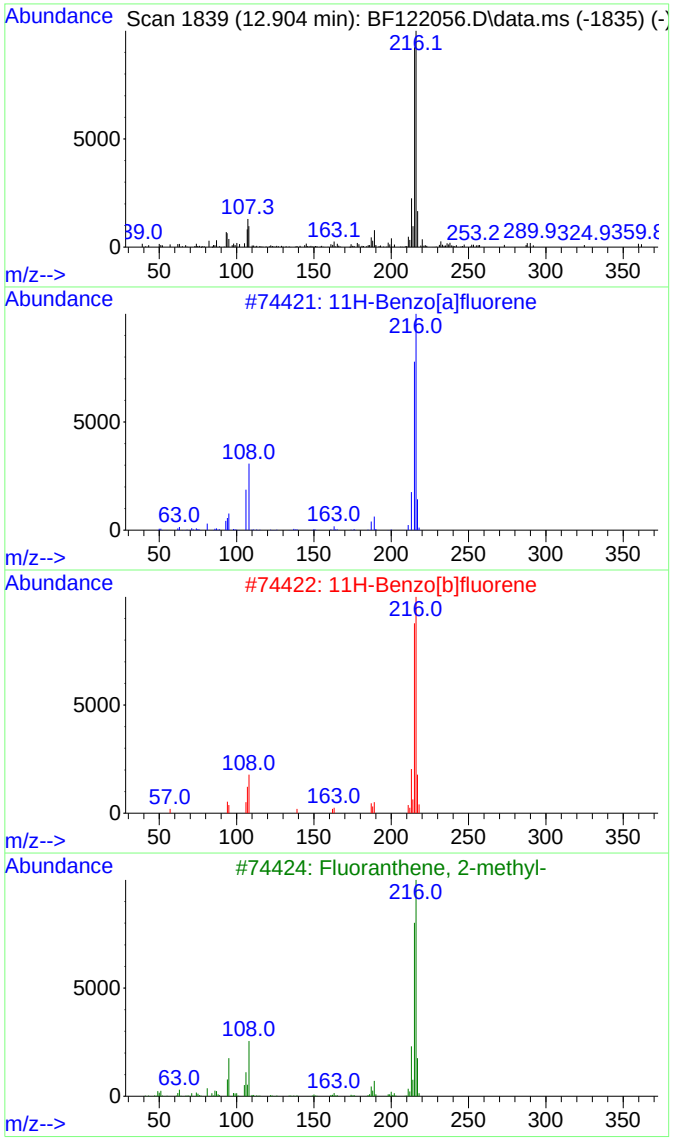
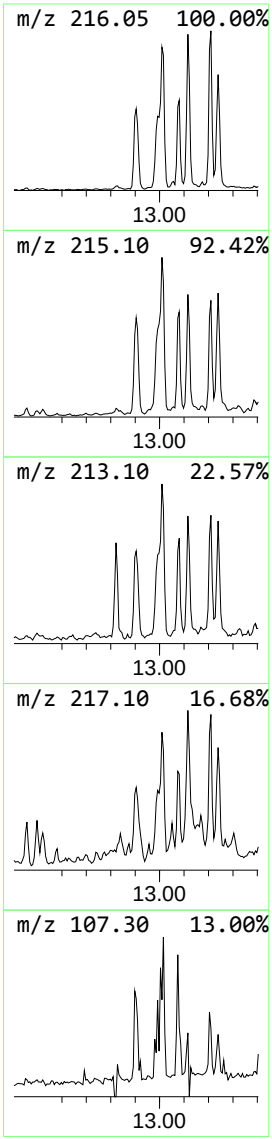
Peak Number 13 11H-Benzo[b]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.904	3.62 ng	271519	Chrysene-d12	13.880

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





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Sample : L4461-02
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ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
WCS-OH-B2-0.2-4.5

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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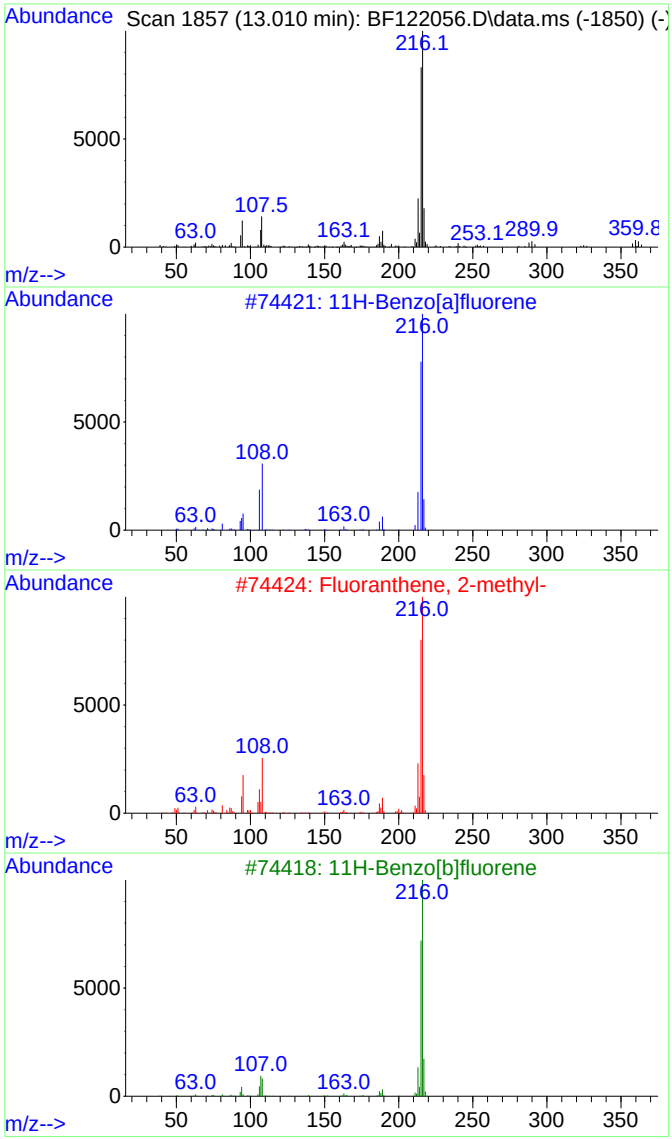
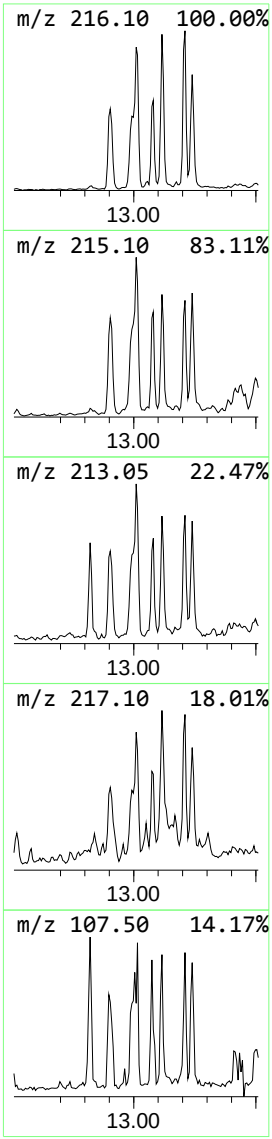
Peak Number 14 11H-Benzo[a]fluorene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.010	5.52 ng	414169	Chrysene-d12	13.880

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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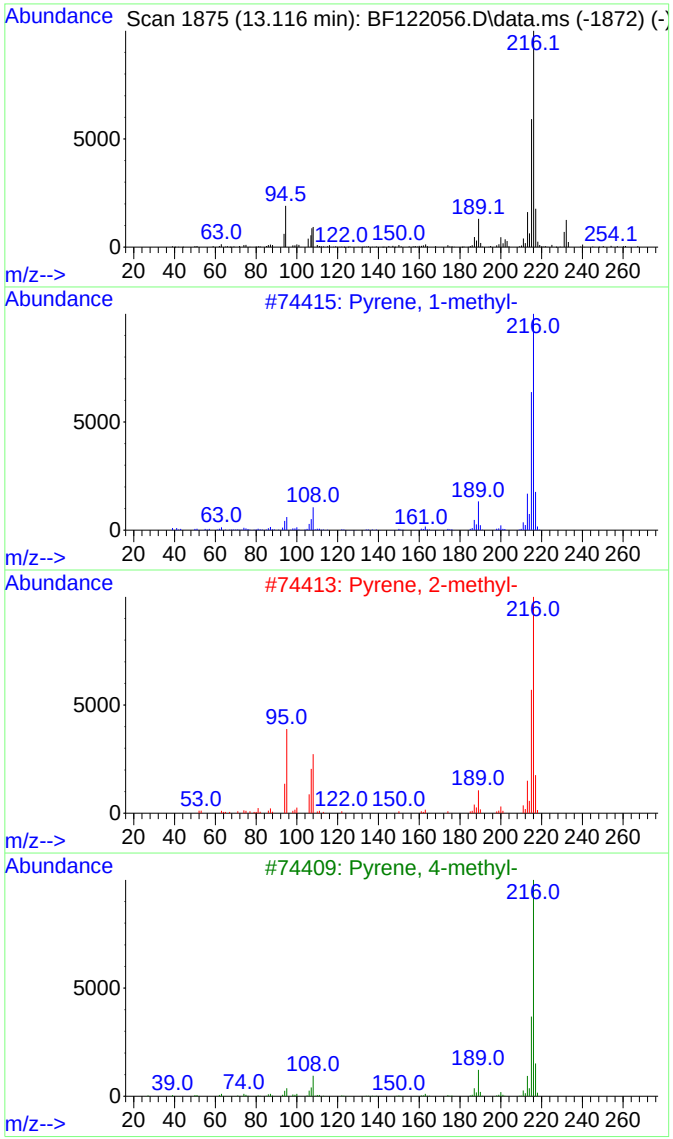
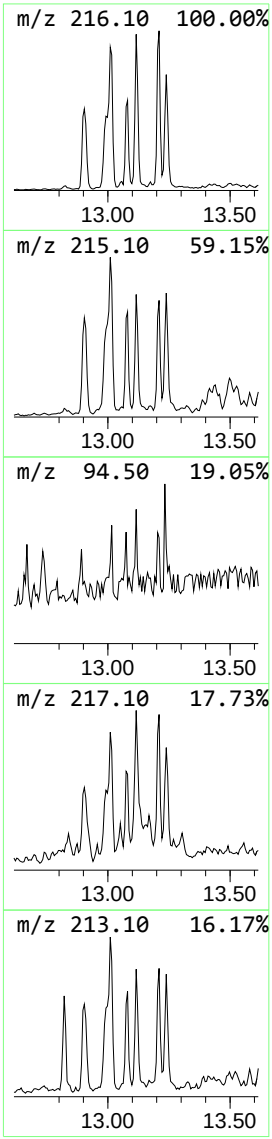
Peak Number 15 Pyrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.116	2.91 ng	217941	Chrysene-d12	13.880

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	93
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





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Data File : BF122056.D
Acq On : 21 Oct 2020 15:41
Operator : JU/CG
Sample : L4461-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WCS-OH-B2-0.2-4.5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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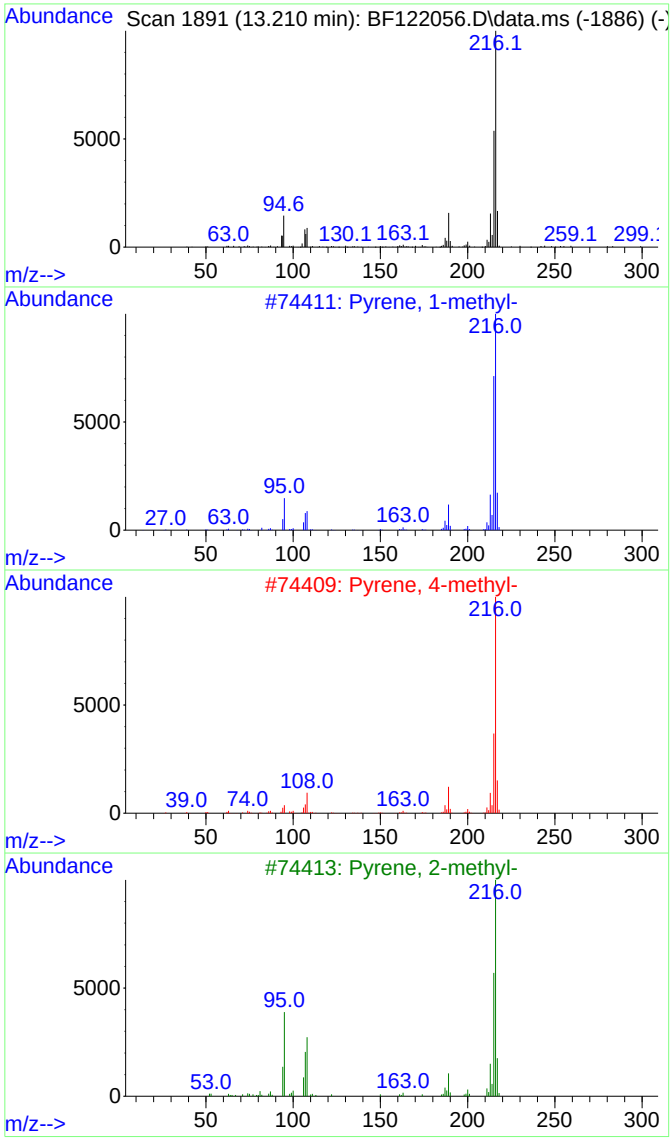
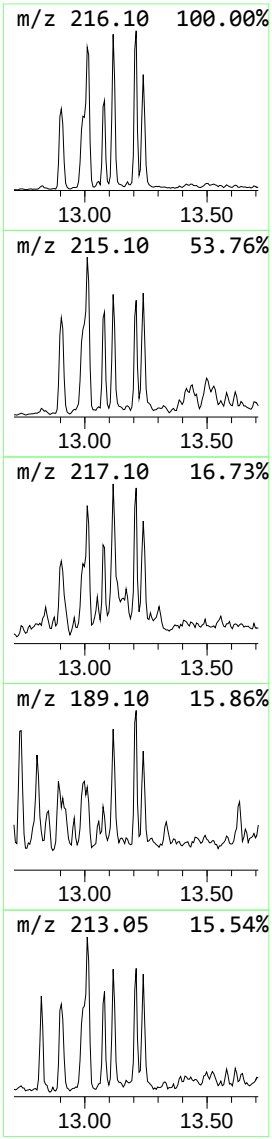
Peak Number 16 Pyrene, 4-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.210	2.59 ng	194394	Chrysene-d12	13.880

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	89
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81





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Operator : JU/CG
Sample : L4461-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WCS-OH-B2-0.2-4.5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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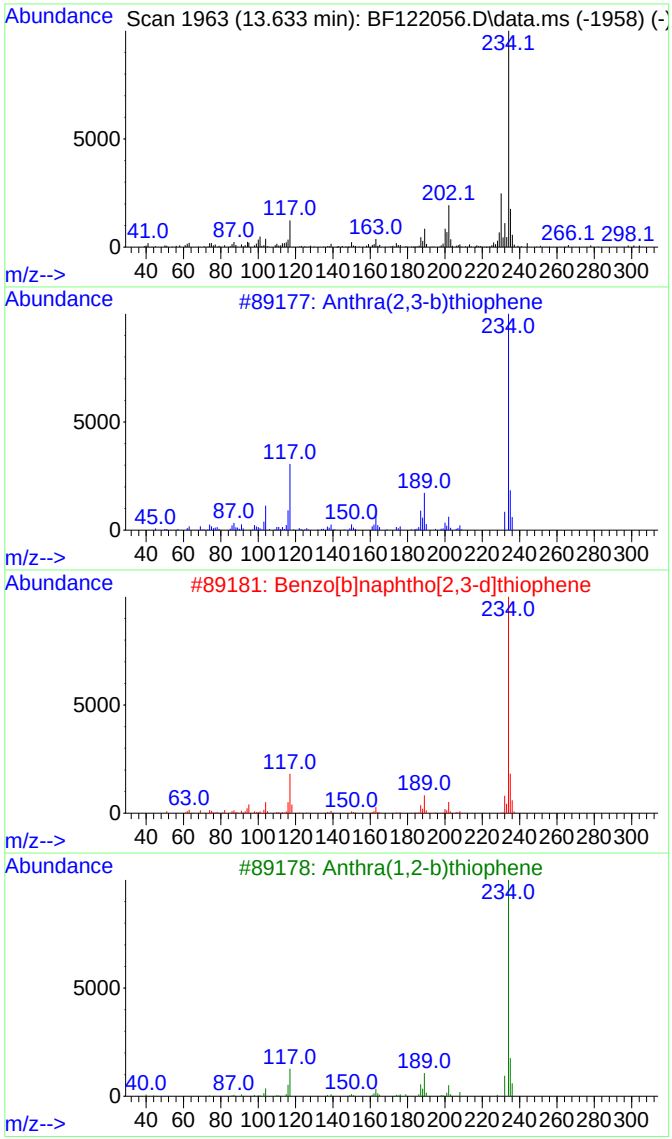
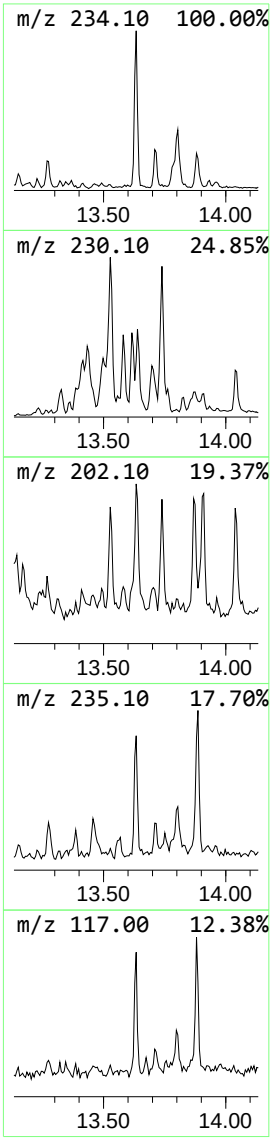
Peak Number 17 Anthra(2,3-b)thiophene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.633	2.71 ng	203042	Chrysene-d12	13.880

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	93
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	86
3	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	86
4	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	86
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	83





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Data File : BF122056.D
Acq On : 21 Oct 2020 15:41
Operator : JU/CG
Sample : L4461-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WCS-OH-B2-0.2-4.5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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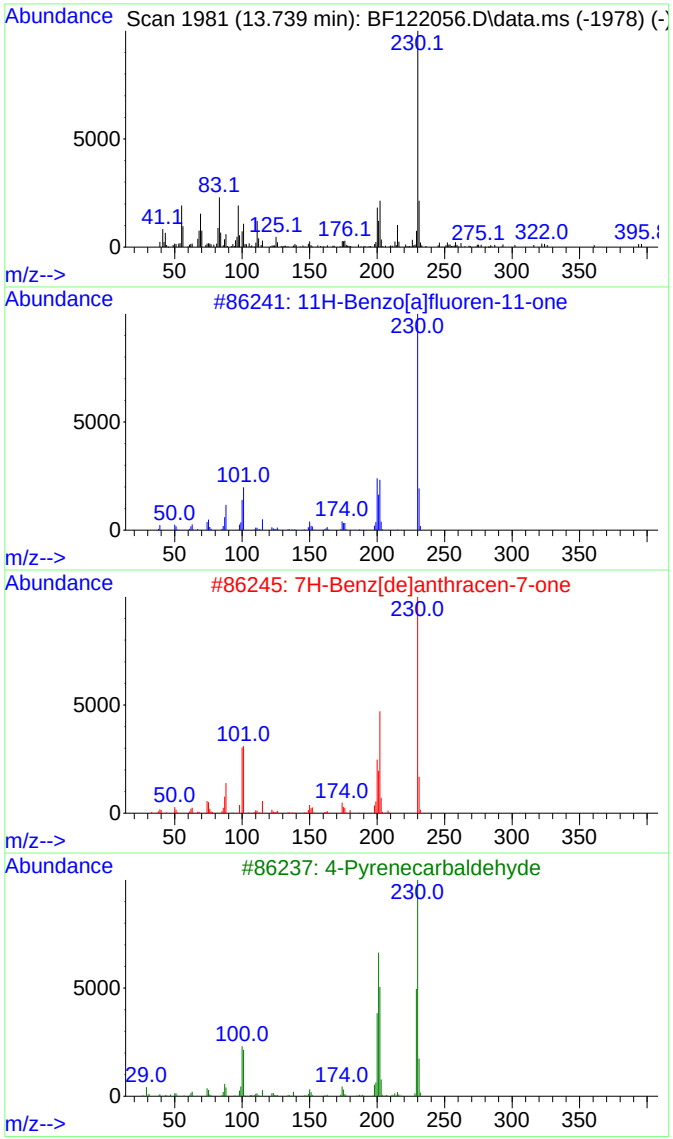
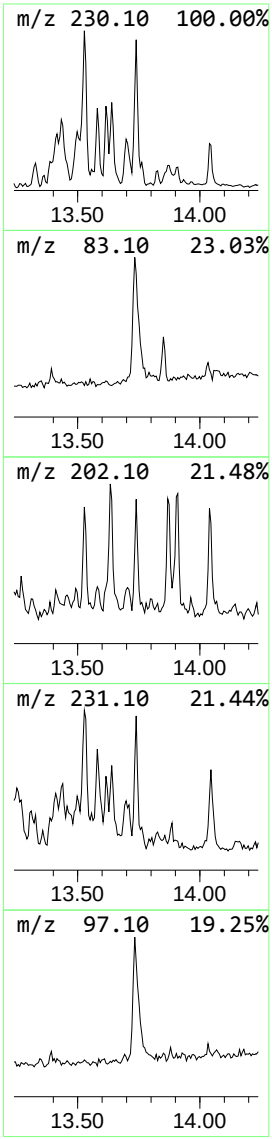
Peak Number 18 11H-Benzo[a]fluoren-11-one Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.739	4.82 ng	361535	Chrysene-d12	13.880

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	96
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	70
3	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	52
4	(E)-.alpha.,.alpha.'-Dicyanostil...	230	C16H10N2	002450-55-7	50
5	m-Terphenyl	230	C18H14	000092-06-8	47





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Data File : BF122056.D
Acq On : 21 Oct 2020 15:41
Operator : JU/CG
Sample : L4461-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WCS-OH-B2-0.2-4.5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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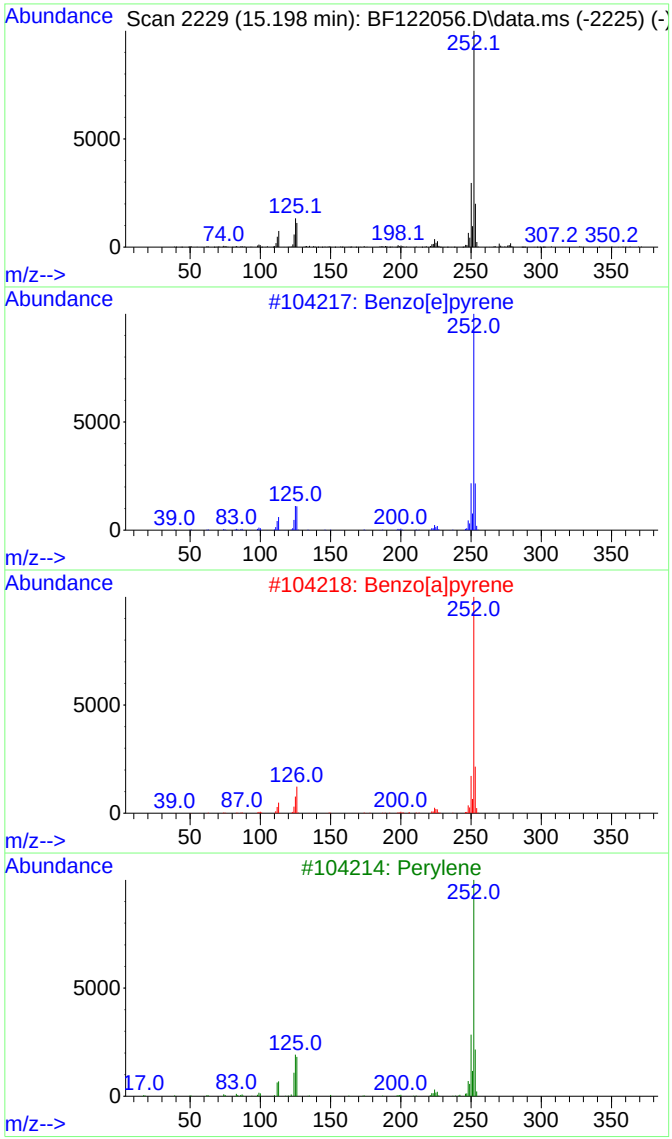
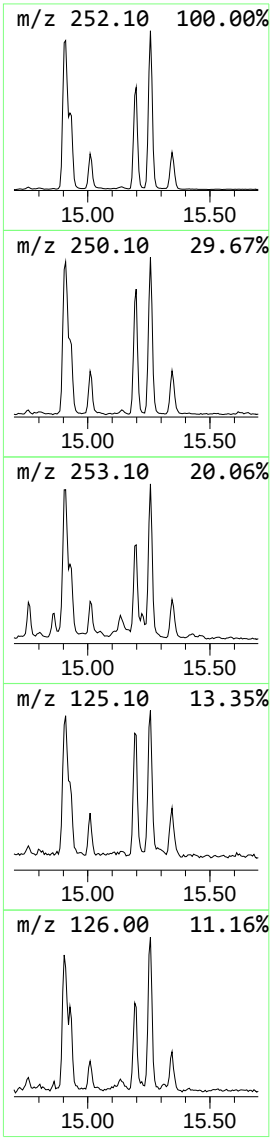
Peak Number 20 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.198	11.37 ng	381384	Perylene-d12	15.315

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	93
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102120\
Data File : BF122056.D
Acq On : 21 Oct 2020 15:41
Operator : JU/CG
Sample : L4461-02
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WCS-OH-B2-0.2-4.5

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.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
Ethanol, 2-(2-e...	6.575	3.6	ng	120690	1	6.722	676640	20.0
2,4,7,9-Tetrame...	9.198	4.6	ng	249680	3	9.757	1079370	20.0
Naphtho[1,2-b]t...	11.139	2.7	ng	140058	4	11.239	1044560	20.0
5H-Indeno[1,2-b...	11.480	2.8	ng	147864	4	11.239	1044560	20.0
Phenanthrene, 2...	11.745	4.2	ng	219723	4	11.239	1044560	20.0
Anthracene, 9-m...	11.775	5.8	ng	302720	4	11.239	1044560	20.0
8,9-Dihydrocycl...	11.851	7.8	ng	409198	4	11.239	1044560	20.0
Anthracene, 2-m...	11.874	2.7	ng	143272	4	11.239	1044560	20.0
Naphthalene, 2-...	12.039	3.2	ng	169095	4	11.239	1044560	20.0
9,10-Dimethylan...	12.292	4.9	ng	257175	4	11.239	1044560	20.0
unknown12.32	12.327	3.5	ng	183573	4	11.239	1044560	20.0
Cyclopenta(def)...	12.386	2.5	ng	131868	4	11.239	1044560	20.0
11H-Benzo[b]flu...	12.904	3.6	ng	271519	5	13.880	1500150	20.0
11H-Benzo[a]flu...	13.010	5.5	ng	414169	5	13.880	1500150	20.0
Pyrene, 1-methyl-	13.116	2.9	ng	217941	5	13.880	1500150	20.0
Pyrene, 4-methyl-	13.210	2.6	ng	194394	5	13.880	1500150	20.0
Anthra(2,3-b)th...	13.633	2.7	ng	203042	5	13.880	1500150	20.0
11H-Benzo[a]flu...	13.739	4.8	ng	361535	5	13.880	1500150	20.0
Benzo[e]pyrene	15.198	11.4	ng	381384	6	15.315	671029	20.0