LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102020\
Data File : BF122038.D
Acq On : 20 Oct 2020 19:40
Operator : JU/CG
Sample : L4461-02
Misc :
ALS Vial : 16 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: BF122038.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	482	484	497	rBV	20556	33142	1.76%	0.112%
2	5.345	551	554	576	rBV	1616953	1817427	96.30%	6.132%
3	6.375	725	729	747	rBV	1847157	1850726	98.06%	6.244%
4	6.575	756	763	785	rVV2	61462	143765	7.62%	0.485%
5	6.728	785	789	797	rVB	782402	655082	34.71%	2.210%
6	7.298	882	886	899	rBV	1298619	1274082	67.51%	4.299%
7	8.010	1004	1007	1025	rVB	977204	962347	50.99%	3.247%
8	8.728	1126	1129	1136	rBV	73053	64662	3.43%	0.218%
9	8.822	1141	1145	1150	rBV	54288	55497	2.94%	0.187%
10	9.086	1186	1190	1193	rBV	2297759	1887345	100.00%	6.368%
11	9.204	1205	1210	1215	rBV	244065	228434	12.10%	0.771%
12	9.357	1231	1236	1239	rBV	38270	50520	2.68%	0.170%
13	9.428	1244	1248	1250	rVV	60815	64660	3.43%	0.218%
14	9.451	1250	1252	1255	rVV	40868	48378	2.56%	0.163%
15	9.486	1255	1258	1264	rVV	407946	352479	18.68%	1.189%
16	9.539	1264	1267	1272	rVB	33169	40444	2.14%	0.136%
17	9.628	1279	1282	1286	rBV	161541	134222	7.11%	0.453%
18	9.763	1297	1305	1309	rBV	1148693	1023171	54.21%	3.452%
19	9.798	1309	1311	1316	rVV	85945	81129	4.30%	0.274%
20	9.969	1334	1340	1344	rBV2	59267	73088	3.87%	0.247%
21	10.010	1344	1347	1350	rVB	37593	34885	1.85%	0.118%
22	10.080	1355	1359	1362	rBV	49153	49976	2.65%	0.169%
23	10.169	1370	1374	1376	rBV2	36309	48702	2.58%	0.164%
24	10.310	1395	1398	1404	rVB2	87630	102961	5.46%	0.347%
25	10.469	1422	1425	1429	rVB2	39586	40335	2.14%	0.136%
26	10.557	1436	1440	1452	rVB	1405951	1304635	69.13%	4.402%
27	10.680	1456	1461	1467	rVB3	66619	94478	5.01%	0.319%
28	10.863	1487	1492	1494	rBV4	51199	67775	3.59%	0.229%
29	10.892	1494	1497	1499	rVV	48301	42965	2.28%	0.145%
30	10.945	1503	1506	1508	rVV	36616	32762	1.74%	0.111%
31	10.986	1508	1513	1515	rVV2	32398	44155	2.34%	0.149%
32	11.010	1515	1517	1523	rVV4	46927	66863	3.54%	0.226%
33	11.063	1523	1526	1530	rVV2	47528	65031	3.45%	0.219%
34	11.110	1530	1534	1537	rVV3	48446	81466	4.32%	0.275%
35	11.145	1537	1540	1545	rVB2	106818	122081	6.47%	0.412%
36	11.251	1554	1558	1560	rBV	1092756	970968	51.45%	3.276%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102020\
Data File : BF122038.D
Acq On : 20 Oct 2020 19:40
Operator : JU/CG
Sample : L4461-02
Misc :
ALS Vial : 16 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	11.275	1560	1562	1566	rVV	918324	753224	39.91%	2.541%
38	11.327	1568	1571	1574	rVV	220694	197237	10.45%	0.665%
39	11.369	1574	1578	1580	rVV4	46990	72521	3.84%	0.245%
40	11.410	1583	1585	1591	rVV3	24692	46593	2.47%	0.157%
41	11.492	1595	1599	1602	rBV3	77259	108842	5.77%	0.367%
42	11.539	1605	1607	1610	rVV2	56276	57535	3.05%	0.194%
43	11.580	1610	1614	1620	rVV3	59308	81009	4.29%	0.273%
44	11.663	1625	1628	1631	rVV3	32896	36380	1.93%	0.123%
45	11.751	1640	1643	1646	rBV	195154	185695	9.84%	0.627%
46	11.780	1646	1648	1652	rVB	265205	227291	12.04%	0.767%
47	11.827	1653	1656	1659	rBV	94310	98880	5.24%	0.334%
48	11.863	1659	1662	1665	rVV	316850	360831	19.12%	1.217%
49	11.886	1665	1666	1670	rVB	166190	105111	5.57%	0.355%
50	11.945	1673	1676	1678	rBV4	35236	38200	2.02%	0.129%
51	11.986	1681	1683	1686	rBV	38773	34938	1.85%	0.118%
52	12.045	1690	1693	1698	rVV	121020	133543	7.08%	0.451%
53	12.086	1698	1700	1704	rVB3	72546	66352	3.52%	0.224%
54	12.180	1713	1716	1717	rBV2	39617	44469	2.36%	0.150%
55	12.198	1717	1719	1721	rVV	67078	61399	3.25%	0.207%
56	12.227	1721	1724	1726	rVV	87859	76804	4.07%	0.259%
57	12.251	1726	1728	1731	rVB2	61694	56822	3.01%	0.192%
58	12.304	1733	1737	1739	rBV	219449	225977	11.97%	0.762%
59	12.339	1739	1743	1745	rVV2	131663	167179	8.86%	0.564%
60	12.357	1745	1746	1749	rVV	53248	44484	2.36%	0.150%
61	12.398	1749	1753	1756	rVV2	86780	112163	5.94%	0.378%
62	12.463	1761	1764	1768	rBV	1141765	991533	52.54%	3.345%
63	12.504	1768	1771	1774	rBV3	34149	40827	2.16%	0.138%
64	12.563	1778	1781	1784	rVB	65175	56929	3.02%	0.192%
65	12.616	1787	1790	1792	rBV2	93608	91762	4.86%	0.310%
66	12.692	1798	1803	1809	rBV	1159778	1259191	66.72%	4.248%
67	12.751	1810	1813	1816	rVB2	109497	113733	6.03%	0.384%
68	12.833	1823	1827	1830	rBV	1584782	1343501	71.18%	4.533%
69	12.916	1836	1841	1846	rBV4	129864	231231	12.25%	0.780%
70	12.969	1848	1850	1852	rVV	53226	42064	2.23%	0.142%
71	13.021	1852	1859	1862	rVV2	213661	359501	19.05%	1.213%
72	13.063	1863	1866	1868	rBV3	64206	70906	3.76%	0.239%
73	13.086	1868	1870	1873	rVV	118010	100784	5.34%	0.340%
74	13.127	1874	1877	1885	rVB2	213607	233644	12.38%	0.788%
75	13.221	1888	1893	1895	rVV	169931	179607	9.52%	0.606%
76	13.251	1895	1898	1901	rVB	146850	132809	7.04%	0.448%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102020\
Data File : BF122038.D
Acq On : 20 Oct 2020 19:40
Operator : JU/CG
Sample : L4461-02
Misc :
ALS Vial : 16 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

77	13.404	1921	1924	1926	rBV2	76981	99231	5.26%	0.335%
78	13.539	1945	1947	1950	rVB2	99279	89064	4.72%	0.300%
79	13.592	1954	1956	1960	rVB	46917	40250	2.13%	0.136%
80	13.645	1960	1965	1967	rBV2	132794	187561	9.94%	0.633%
81	13.668	1967	1969	1971	rVV	106804	85135	4.51%	0.287%
82	13.698	1971	1974	1978	rVV2	74061	141834	7.52%	0.479%
83	13.751	1979	1983	1990	rVB4	222526	359834	19.07%	1.214%
84	13.892	1999	2007	2010	rBV3	965586	1615921	85.62%	5.452%
85	13.921	2010	2012	2019	rVB	532044	498833	26.43%	1.683%
86	13.998	2023	2025	2028	rVB	59587	46494	2.46%	0.157%
87	14.051	2031	2034	2039	rBV3	87238	110373	5.85%	0.372%
88	14.245	2065	2067	2068	rBV	53517	37162	1.97%	0.125%
89	14.280	2071	2073	2077	rVV	179645	158402	8.39%	0.534%
90	14.315	2077	2079	2082	rVB	103394	69028	3.66%	0.233%
91	14.357	2083	2086	2088	rBV3	86641	92604	4.91%	0.312%
92	14.410	2092	2095	2096	rBV	75623	63805	3.38%	0.215%
93	14.768	2154	2156	2159	rVB3	77493	72735	3.85%	0.245%
94	14.921	2178	2182	2189	rBV	451488	771513	40.88%	2.603%
95	15.027	2197	2200	2204	rBV	122325	148522	7.87%	0.501%
96	15.210	2228	2231	2237	rVB	321068	337135	17.86%	1.137%
97	15.268	2238	2241	2246	rBV	417593	524137	27.77%	1.768%
98	15.333	2248	2252	2255	rBV	546077	657075	34.81%	2.217%
99	16.745	2487	2492	2499	rVB	223325	421706	22.34%	1.423%
100	17.168	2559	2564	2573	rVB	178828	358278	18.98%	1.209%

Sum of corrected areas: 29638771

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102020\
Data File : BF122038.D
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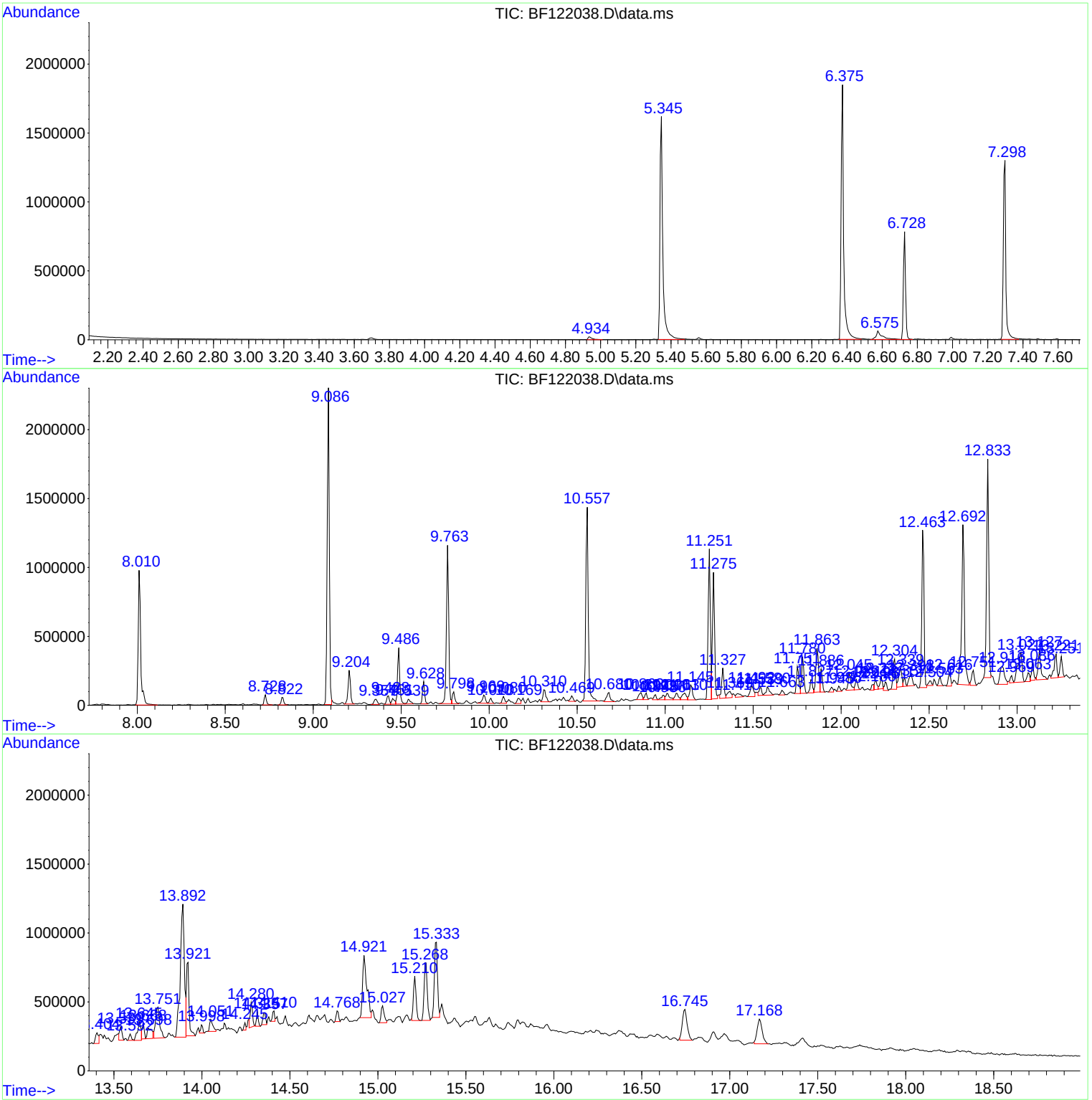
Sample : L4461-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

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\BF102020\
Data File : BF122038.D
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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

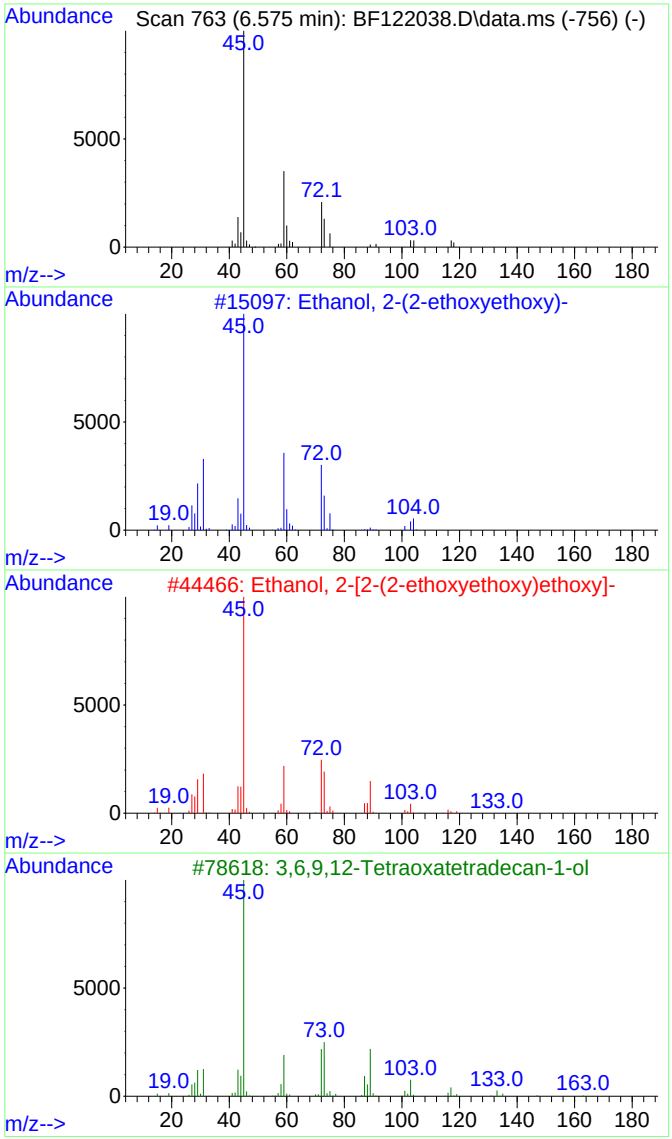
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

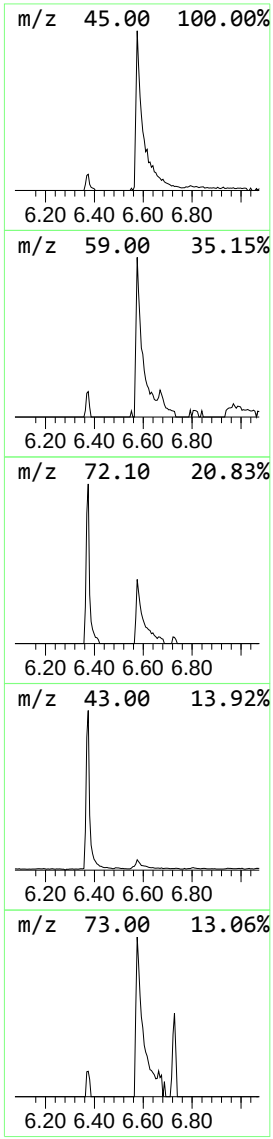
****

Peak Number 1 Ethanol, 2-(2-ethoxyethoxy)- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.575	4.39 ng	143765	1,4-Dichlorobenzene-d4	6.728

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(2-ethoxyethoxy)-	134	C6H14O3	000111-90-0	83
2	Ethanol, 2-[2-(2-ethoxyethoxy)et...	178	C8H18O4	000112-50-5	39
3	3,6,9,12-Tetraoxatetradecan-1-ol	222	C10H22O5	005650-20-4	38
4	Ethanol, 2,2'-oxybis-	106	C4H10O3	000111-46-6	37
5	2-Propanol, 1-(1-methylethoxy)-	118	C6H14O2	003944-36-3	36





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102020\
Data File : BF122038.D
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Operator : JU/CG
Sample : L4461-02
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ALS Vial : 16 Sample Multiplier: 1

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

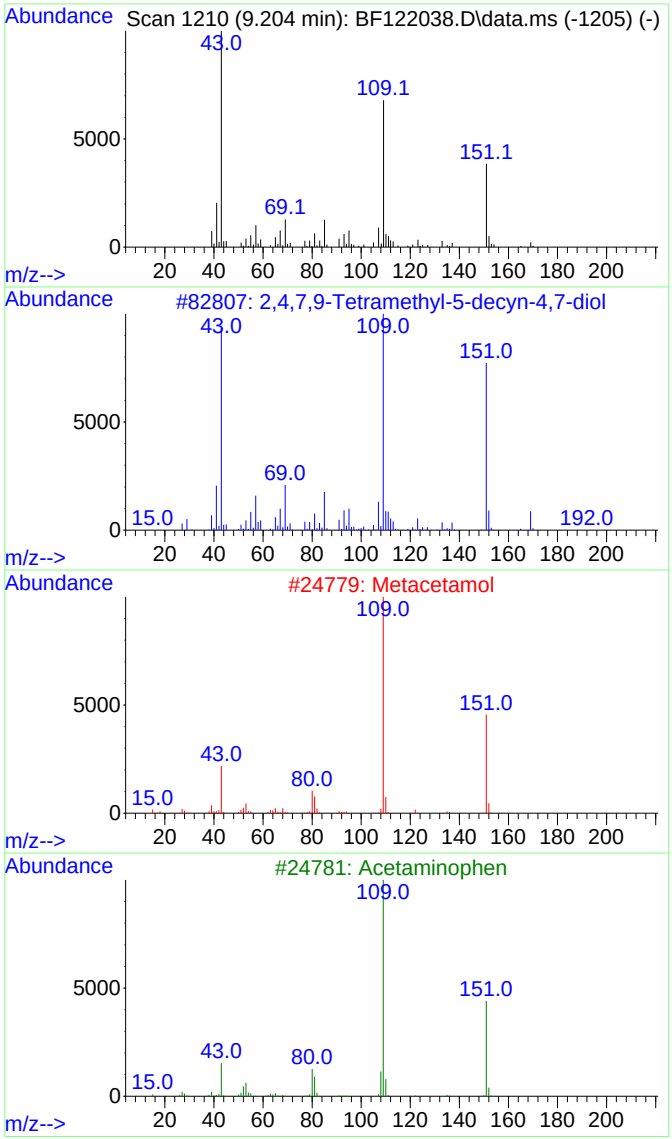
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

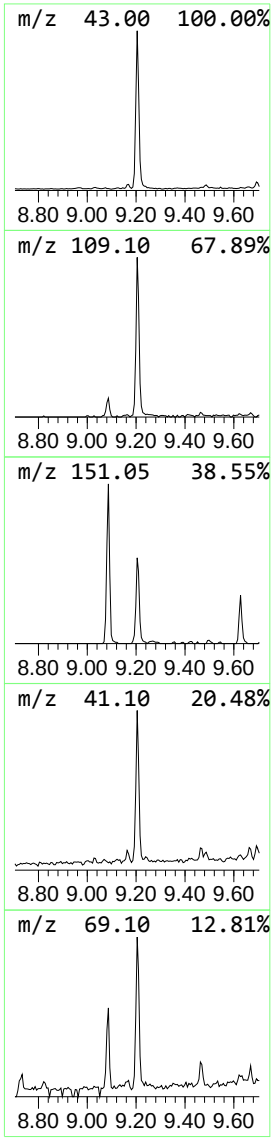
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2,4,7,9-Tetramethyl-5-decyn... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.204	4.47 ng	228434	Acenaphthene-d10	9.763

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	58
3	Acetaminophen	151	C8H9NO2	000103-90-2	58
4	3-Pyridinol, 4-methyl-, acetate ...	151	C8H9NO2	001006-96-8	53
5	m-Isopropoxyaniline	151	C9H13NO	041406-00-2	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102020\
Data File : BF122038.D
Acq On : 20 Oct 2020 19:40
Operator : JU/CG
Sample : L4461-02
Misc :
ALS Vial : 16 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

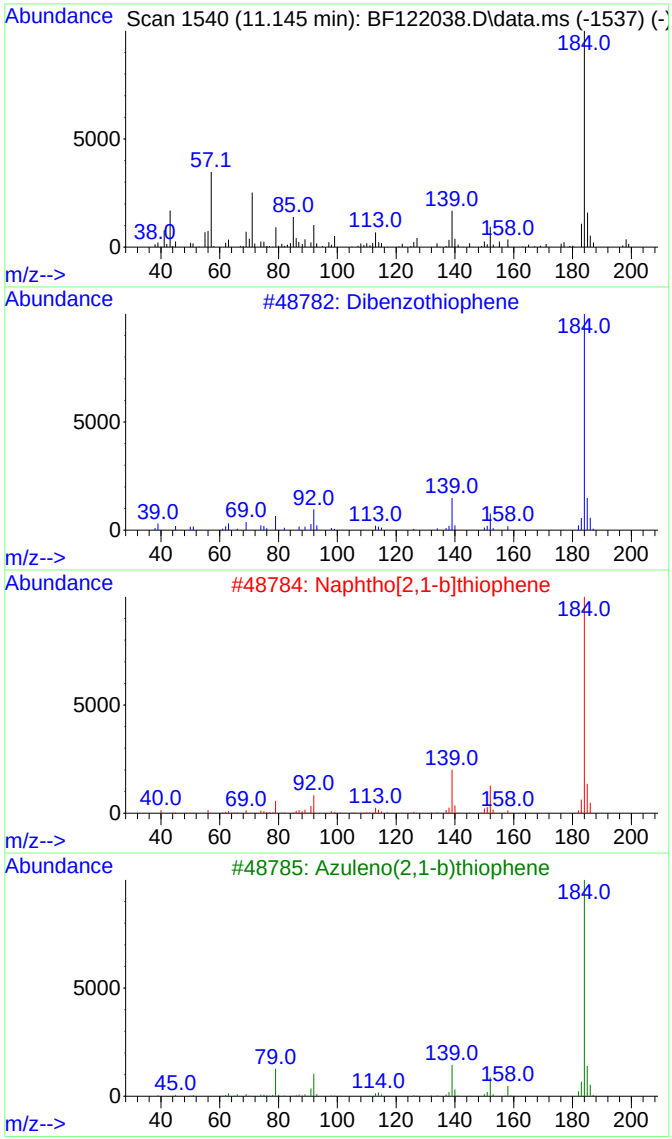
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

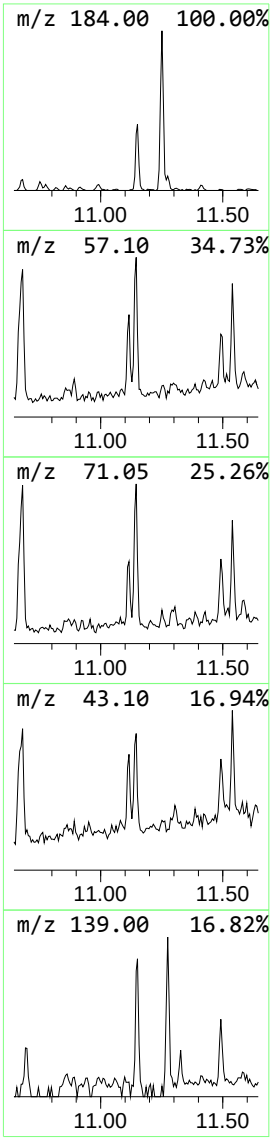
****

Peak Number 3 Dibenzothiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.145	2.51 ng	122081	Phenanthrene-d10	11.251

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	90
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	81
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	74
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	70
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	62





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102020\
Data File : BF122038.D
Acq On : 20 Oct 2020 19:40
Operator : JU/CG
Sample : L4461-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

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

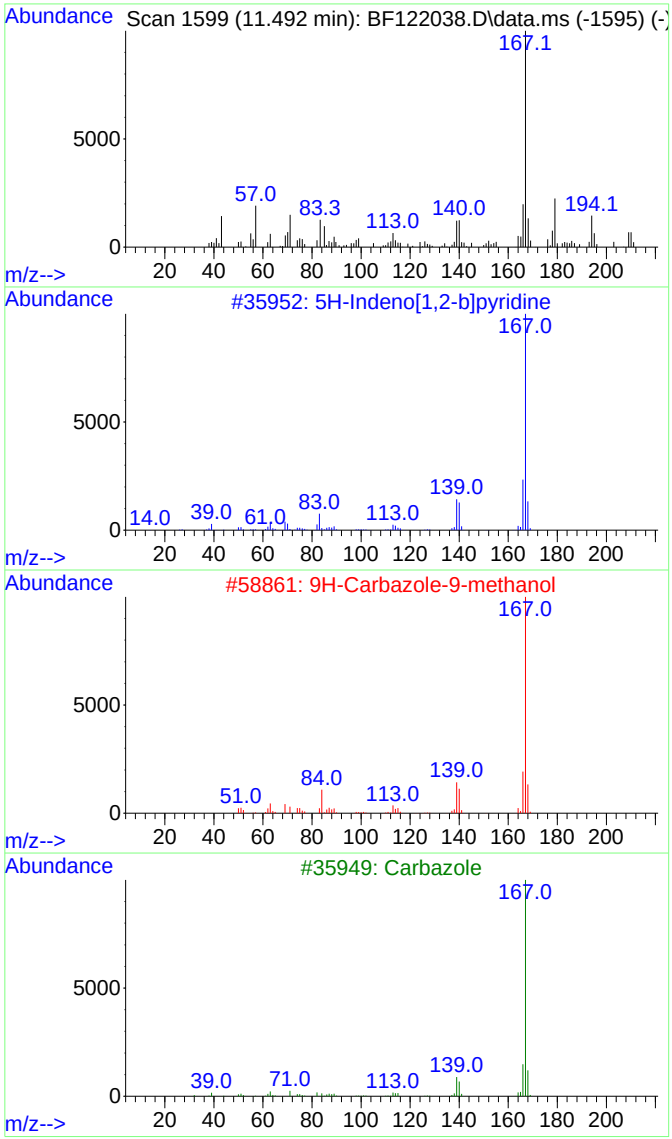
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

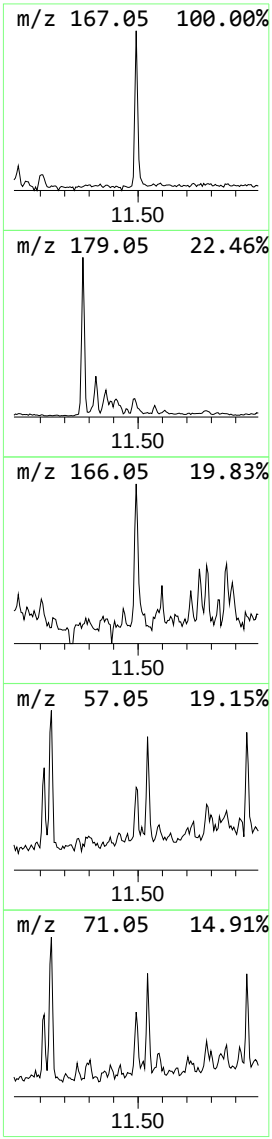
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 5H-Indeno[1,2-b]pyridine Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.492	2.24 ng	108842	Phenanthrene-d10	11.251

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	70
2	9H-Carbazole-9-methanol	197	C13H11NO	002409-36-1	58
3	Carbazole	167	C12H9N	000086-74-8	58
4	9H-Carbazole, 9-nitroso-	196	C12H8N2O	002788-23-0	53
5	1,1'-Biphenyl, 2-azido-	195	C12H9N3	007599-23-7	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102020\
Data File : BF122038.D
Acq On : 20 Oct 2020 19:40
Operator : JU/CG
Sample : L4461-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

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

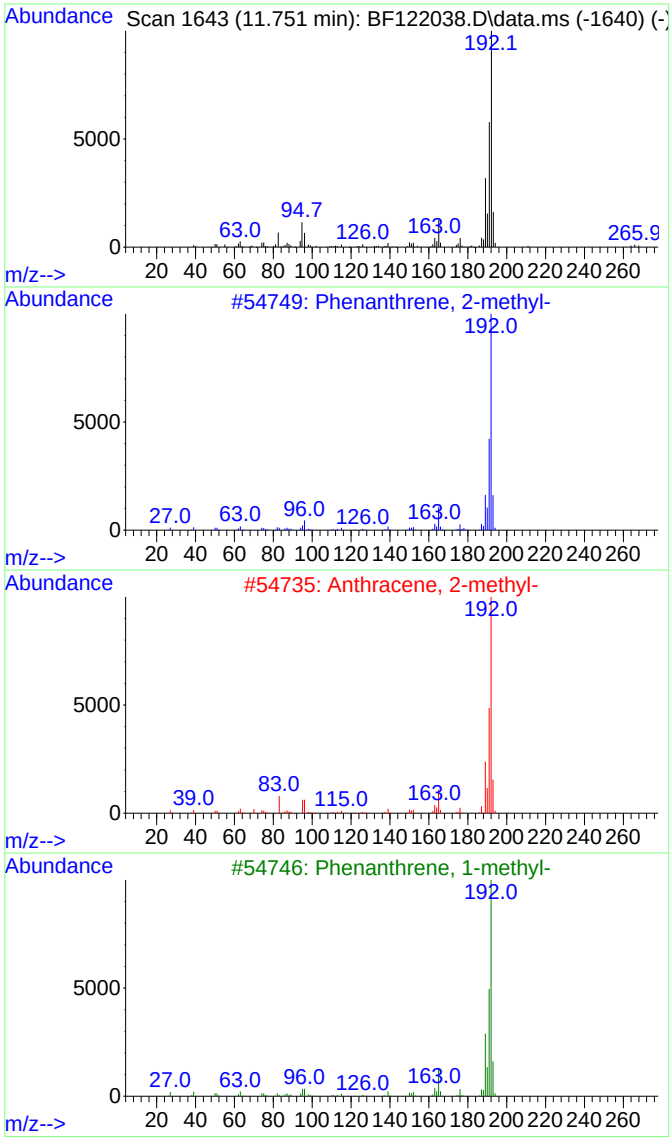
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

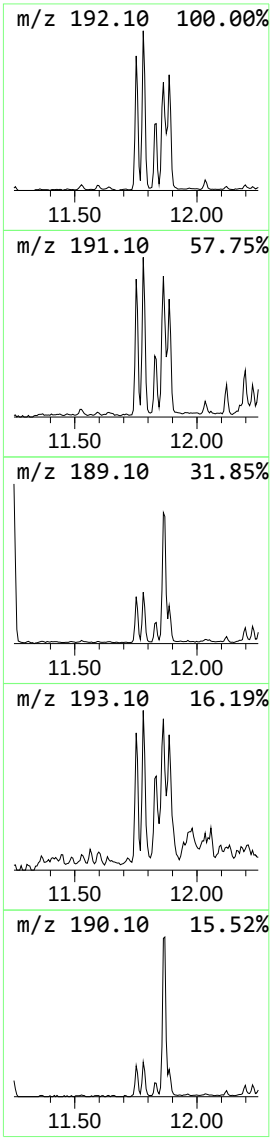
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.751	3.82 ng	185695	Phenanthrene-d10	11.251

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	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94





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Acq On : 20 Oct 2020 19:40
Operator : JU/CG
Sample : L4461-02
Misc :
ALS Vial : 16 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

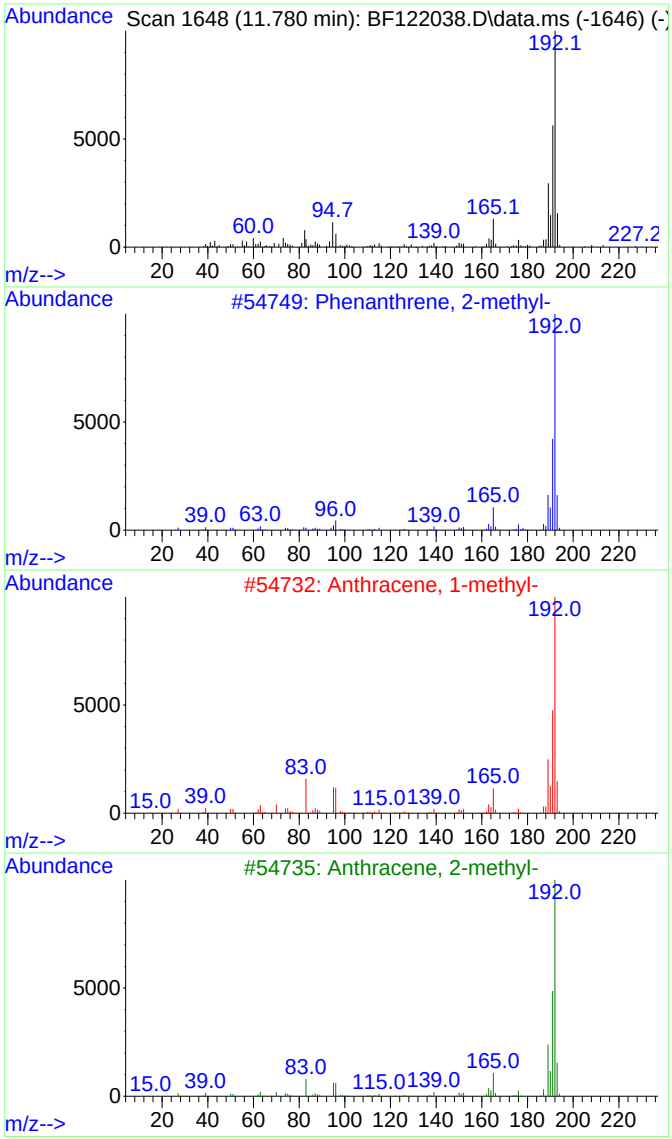
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

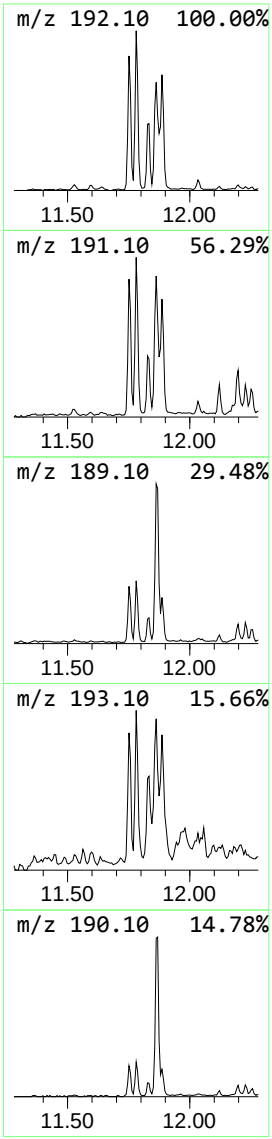
****

Peak Number 6 Anthracene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.780	4.68 ng	227291	Phenanthrene-d10	11.251

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





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Operator : JU/CG
Sample : L4461-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

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

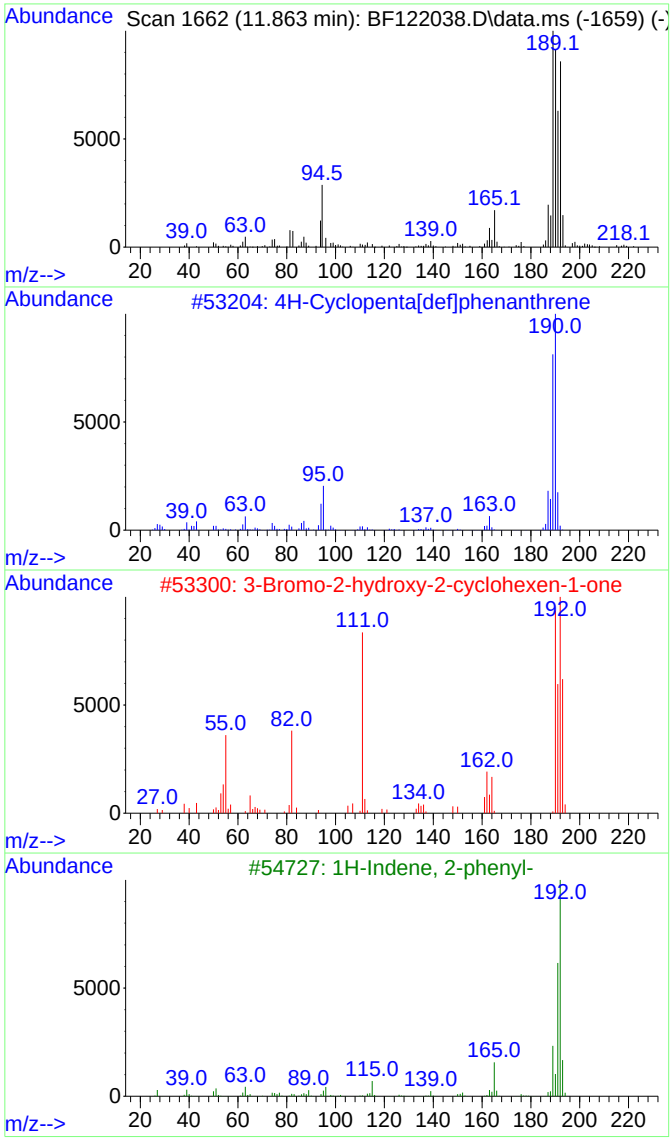
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

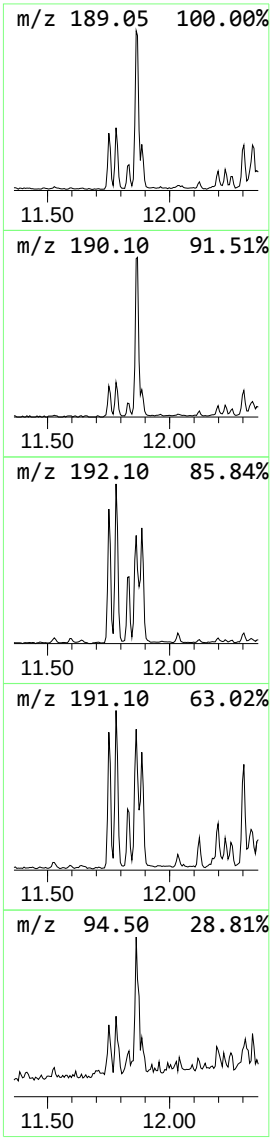
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.863	7.43 ng	360831	Phenanthrene-d10	11.251

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50
2	3-Bromo-2-hydroxy-2-cyclohexen-1...	190	C6H7BrO2	010324-65-9	43
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	42
4	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	38
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38





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Sample : L4461-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

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

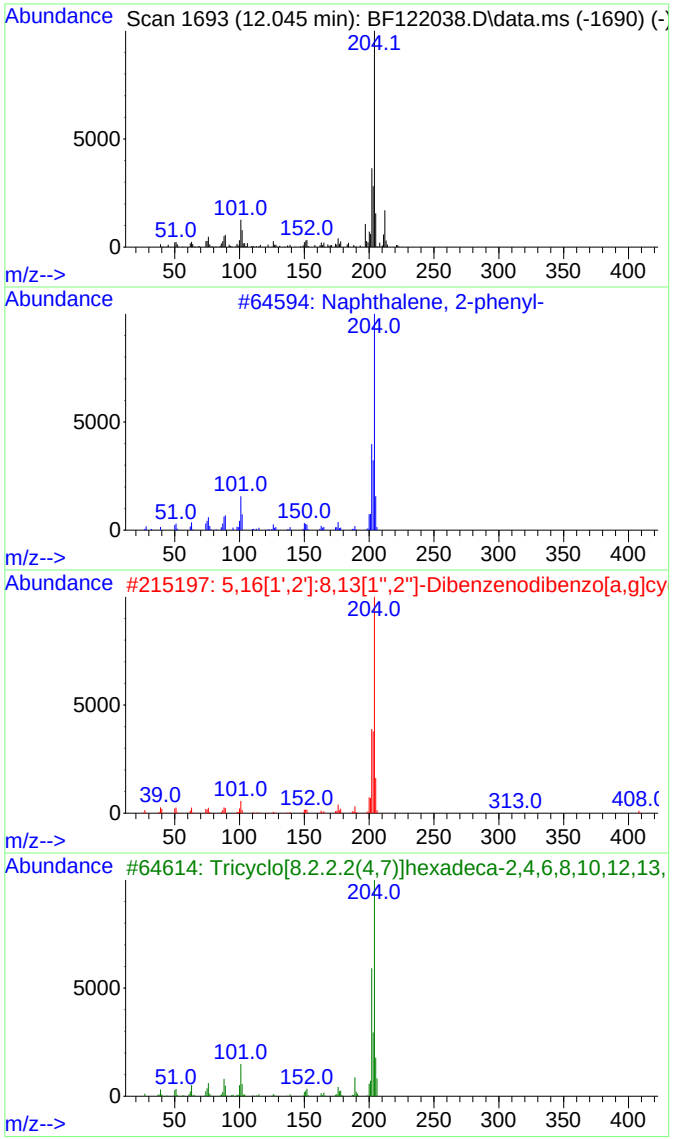
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

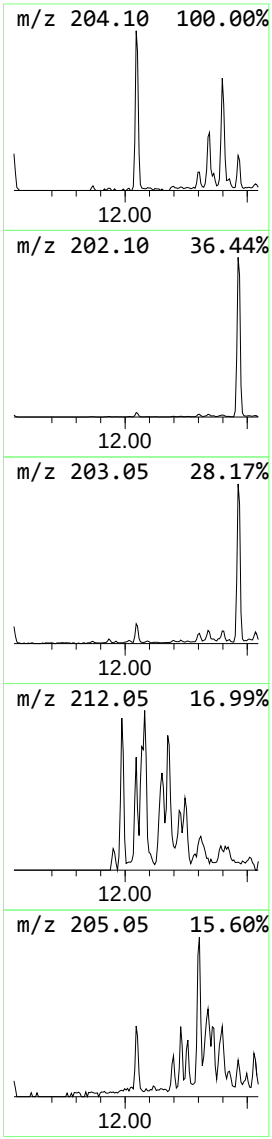
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.045	2.75 ng	133543	Phenanthrene-d10	11.251

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	72
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
4	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	55
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	50





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Operator : JU/CG
Sample : L4461-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

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

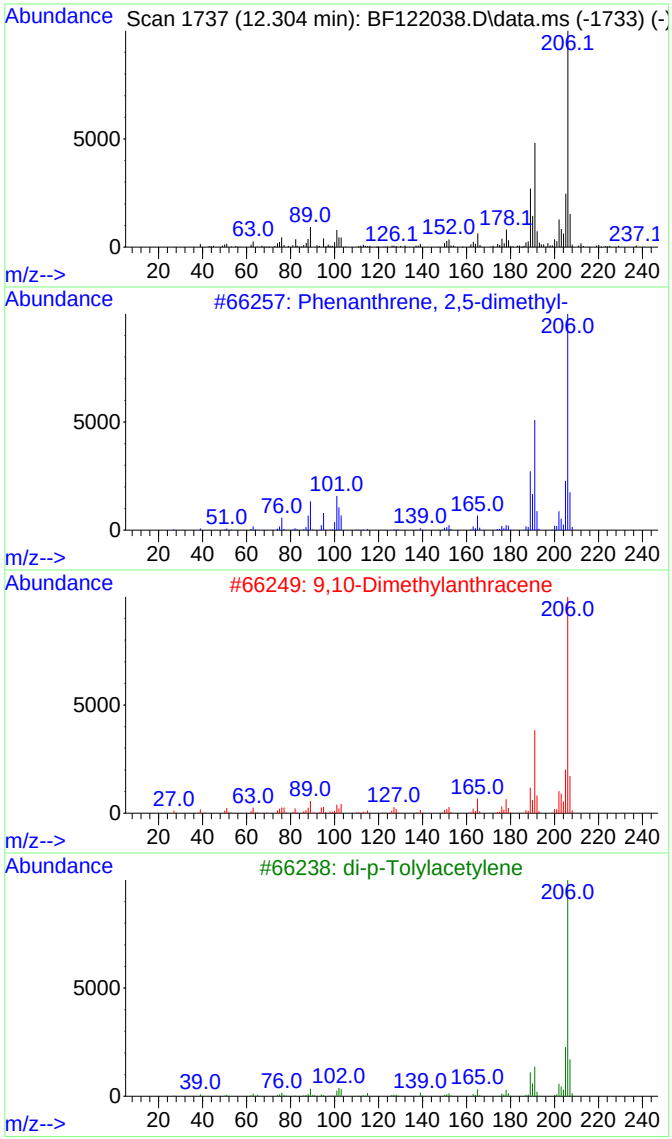
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

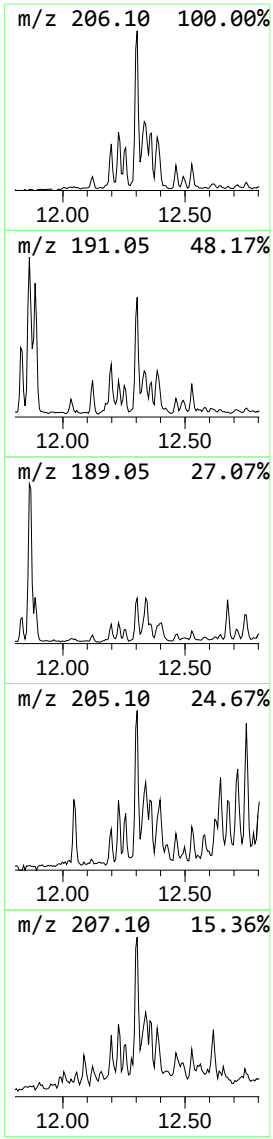
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.304	4.65 ng	225977	Phenanthrene-d10	11.251

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90





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Sample : L4461-02
Misc :
ALS Vial : 16 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

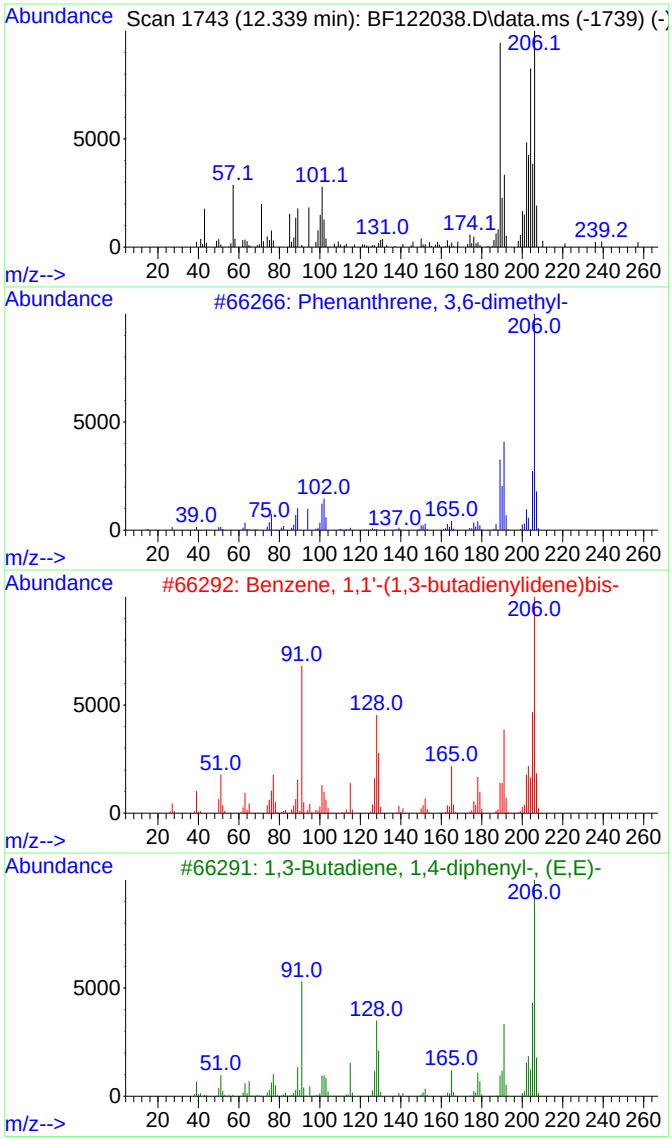
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

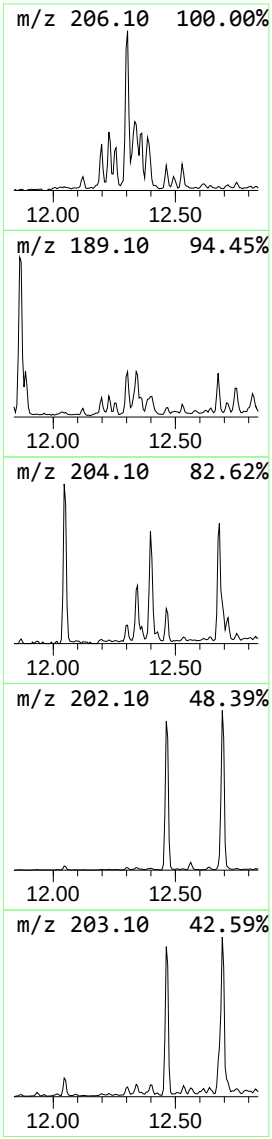
****

Peak Number 10 Phenanthrene, 3,6-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.339	3.44 ng	167179	Phenanthrene-d10	11.251

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	38
2	Benzene, 1,1'-(1,3-butadienylide...	206	C16H14	004165-81-5	38
3	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	38
4	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	30
5	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	30





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Sample : L4461-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

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

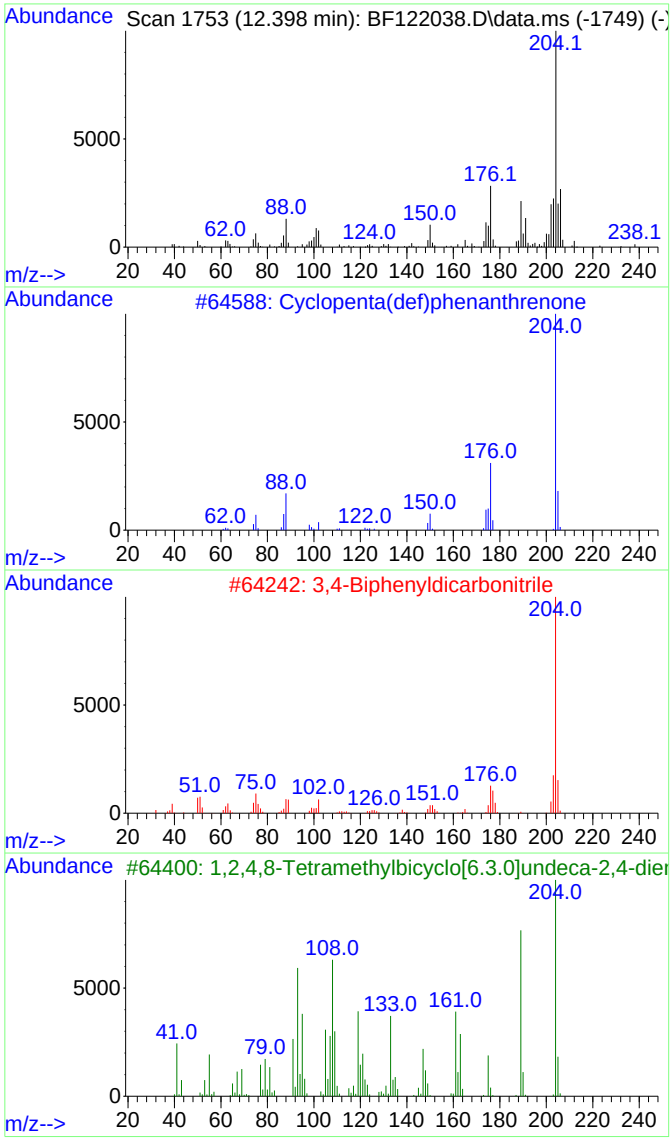
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

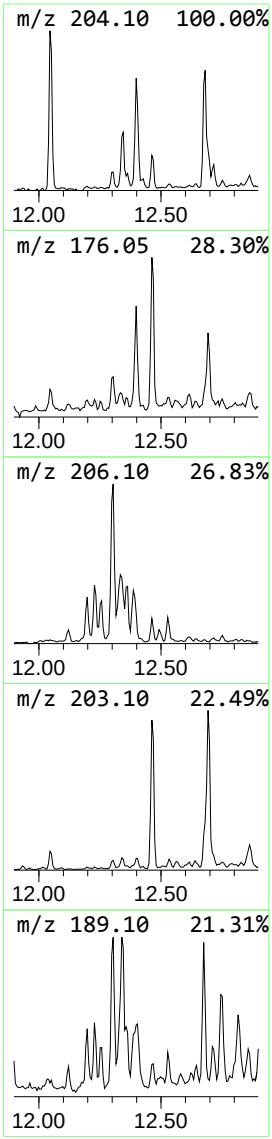
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.398	2.31 ng	112163	Phenanthrene-d10	11.251

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	55
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	49
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47





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Operator : JU/CG
Sample : L4461-02
Misc :
ALS Vial : 16 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

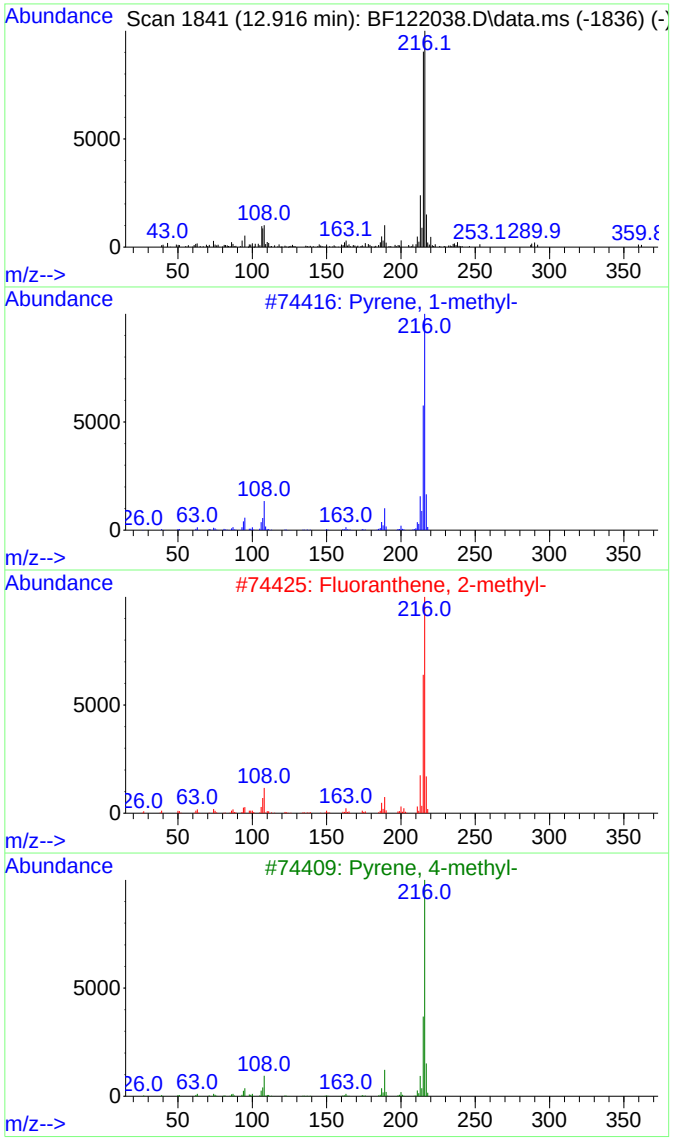
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

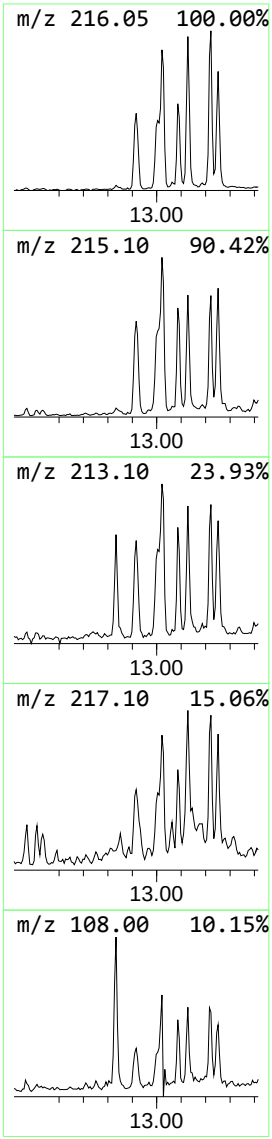
****

Peak Number 12 Pyrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.916	2.86 ng	231231	Chrysene-d12	13.892

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	90
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





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Operator : JU/CG
Sample : L4461-02
Misc :
ALS Vial : 16 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

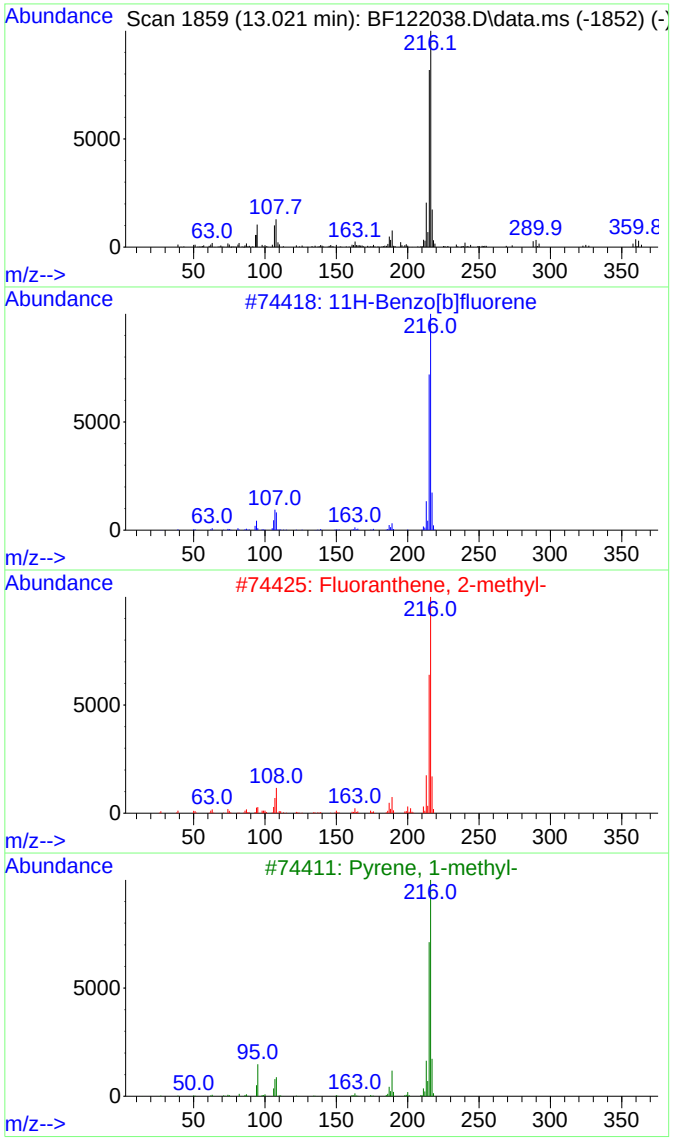
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

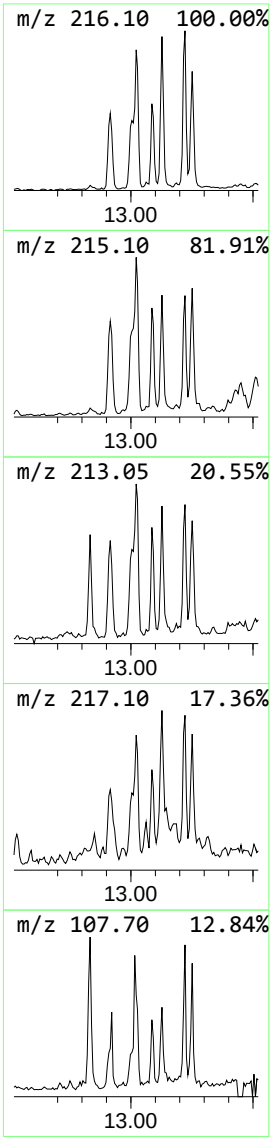
****

Peak Number 13 11H-Benzo[b]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.021	4.45 ng	359501	Chrysene-d12	13.892

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	70





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Operator : JU/CG
Sample : L4461-02
Misc :
ALS Vial : 16 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

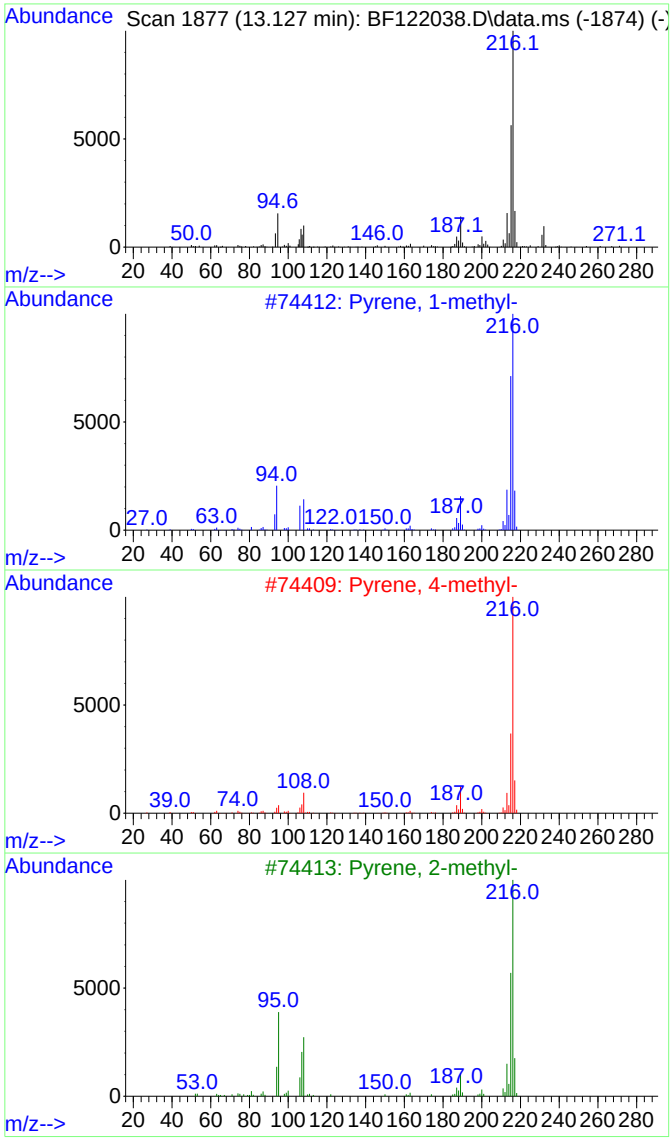
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

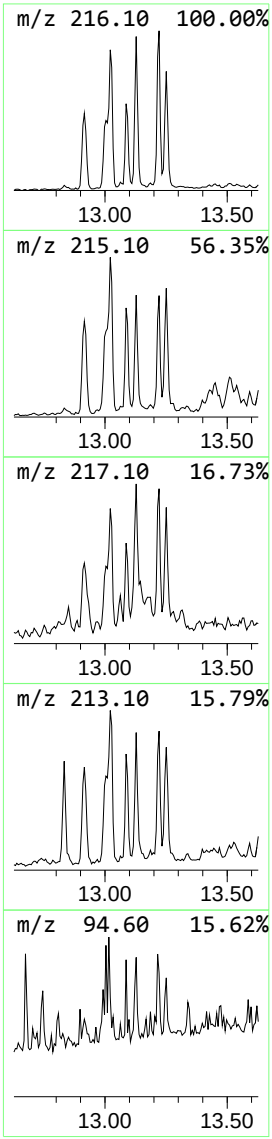
****

Peak Number 14 Pyrene, 4-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.127	2.89 ng	233644	Chrysene-d12	13.892

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	95
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89





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Sample : L4461-02
Misc :
ALS Vial : 16 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

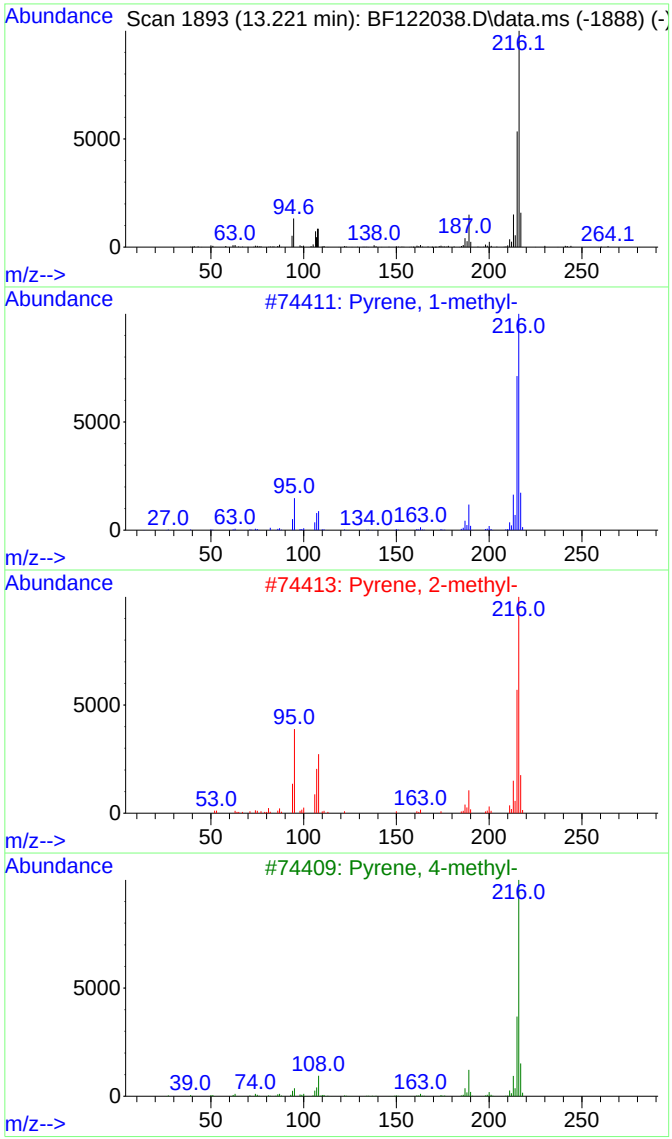
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

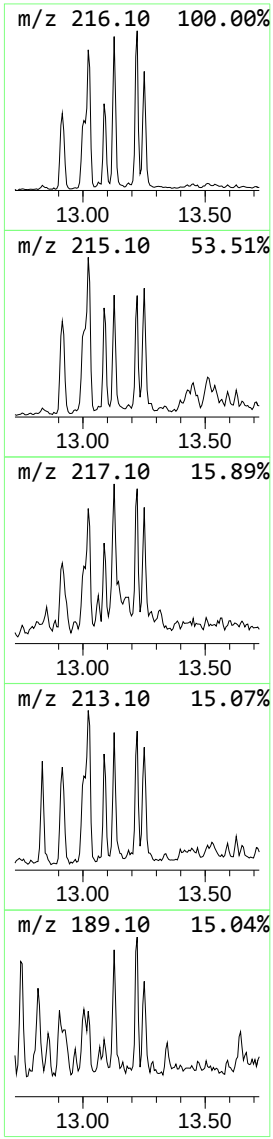
****

Peak Number 15 Pyrene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.221	2.22 ng	179607	Chrysene-d12	13.892

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	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	80





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Misc :
ALS Vial : 16 Sample Multiplier: 1

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

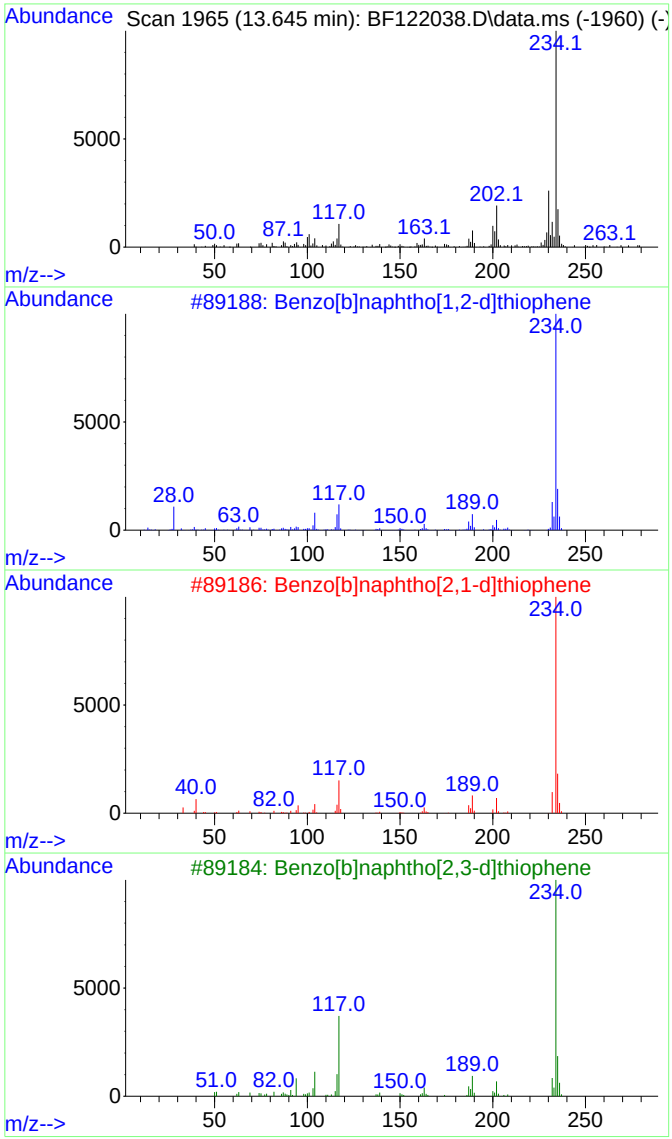
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

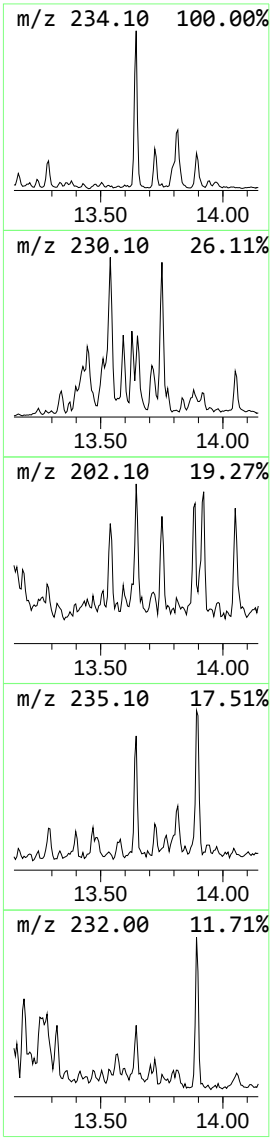
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Benzo[b]naphtho[1,2-d]thiop... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.645	2.32 ng	187561	Chrysene-d12	13.892

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	83
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	83
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	64
4	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	62
5	Quinoxalino[2,3-b]quinoxaline, 5...	234	C14H10N4	000531-46-4	47





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Data File : BF122038.D
Acq On : 20 Oct 2020 19:40
Operator : JU/CG
Sample : L4461-02
Misc :
ALS Vial : 16 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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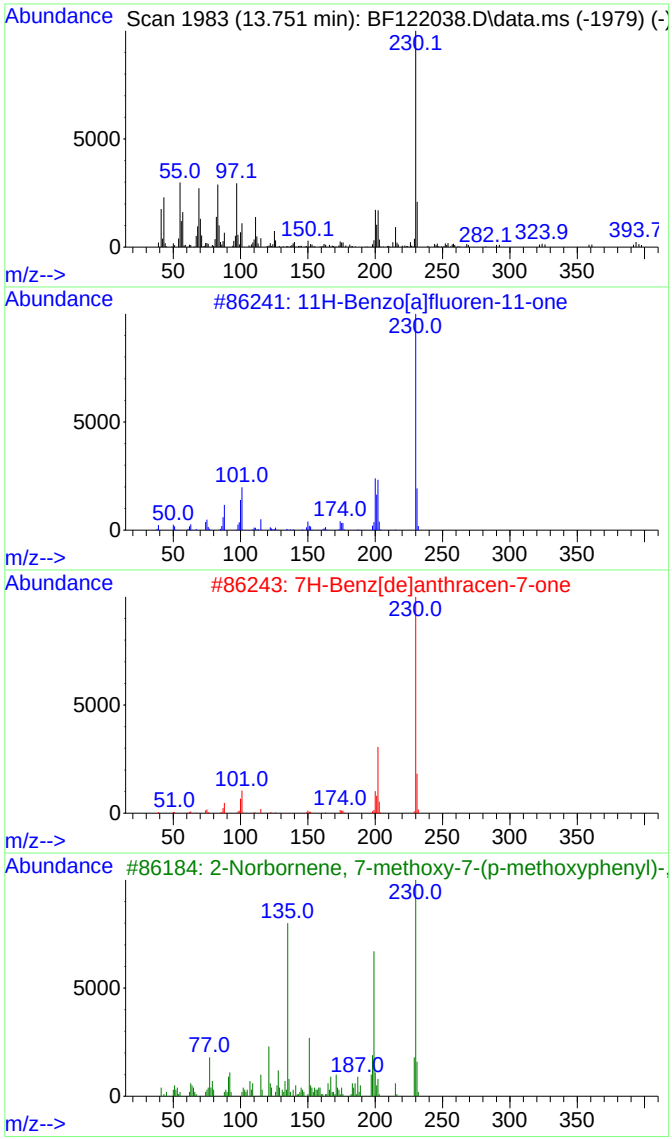
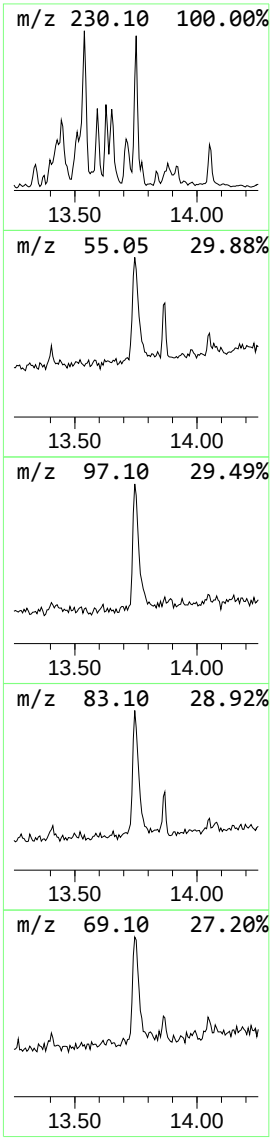
Peak Number 17 11H-Benzo[a]fluoren-11-one Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.751	4.45 ng	359834	Chrysene-d12	13.892

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	89
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	86
3	2-Norbornene, 7-methoxy-7-(p-met...	230	C15H18O2	027999-78-6	59
4	5,6-Dihydrochrysene	230	C18H14	002091-92-1	50
5	Naphthacene, 5,12-dihydro-	230	C18H14	000959-02-4	42





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Data File : BF122038.D
Acq On : 20 Oct 2020 19:40
Operator : JU/CG
Sample : L4461-02
Misc :
ALS Vial : 16 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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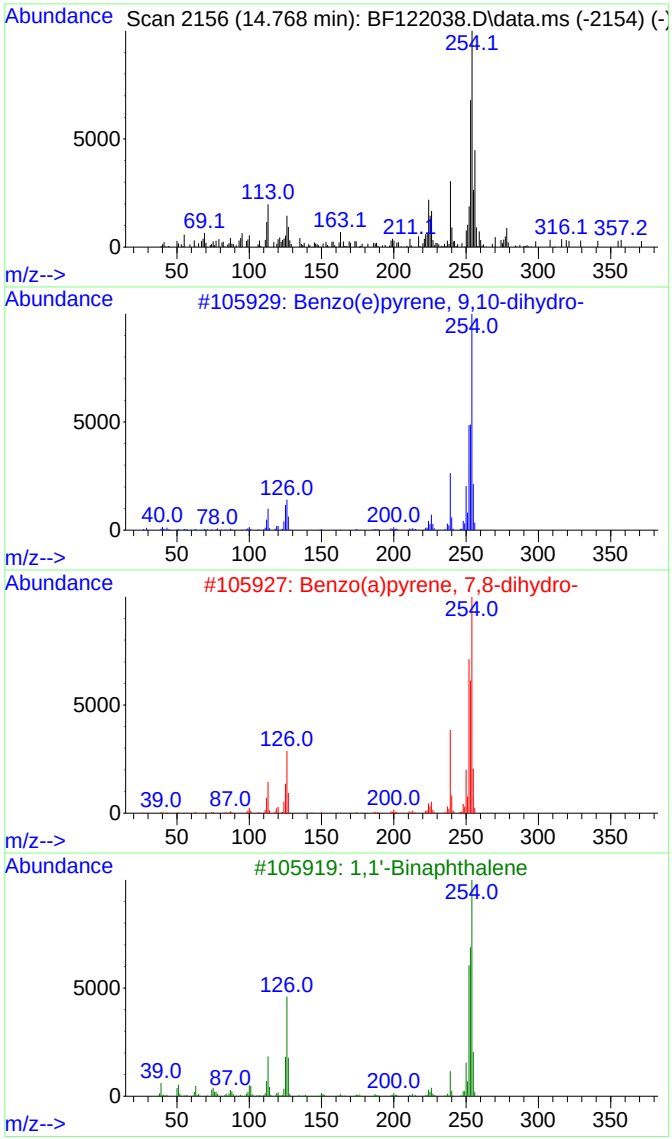
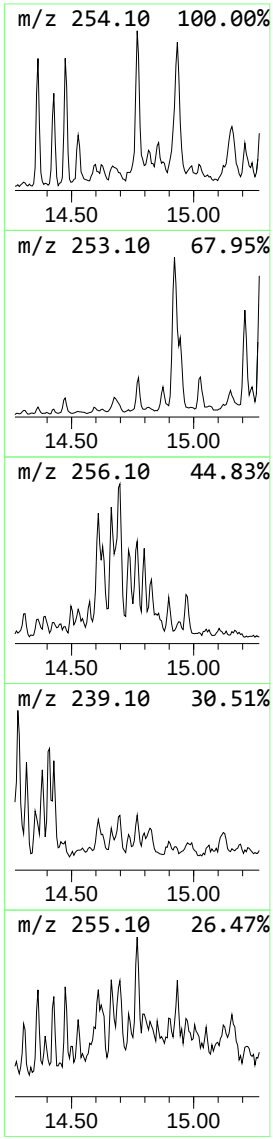
Peak Number 18 Benzo(e)pyrene, 9,10-dihydro- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.768	2.21 ng	72735	Perylene-d12	15.333

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo(e)pyrene, 9,10-dihydro-	254	C20H14	066788-01-0	76
2	Benzo(a)pyrene, 7,8-dihydro-	254	C20H14	017573-23-8	62
3	1,1'-Binaphthalene	254	C20H14	000604-53-5	58
4	1,2'-Binaphthalene	254	C20H14	004325-74-0	52
5	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	52





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Data File : BF122038.D
Acq On : 20 Oct 2020 19:40
Operator : JU/CG
Sample : L4461-02
Misc :
ALS Vial : 16 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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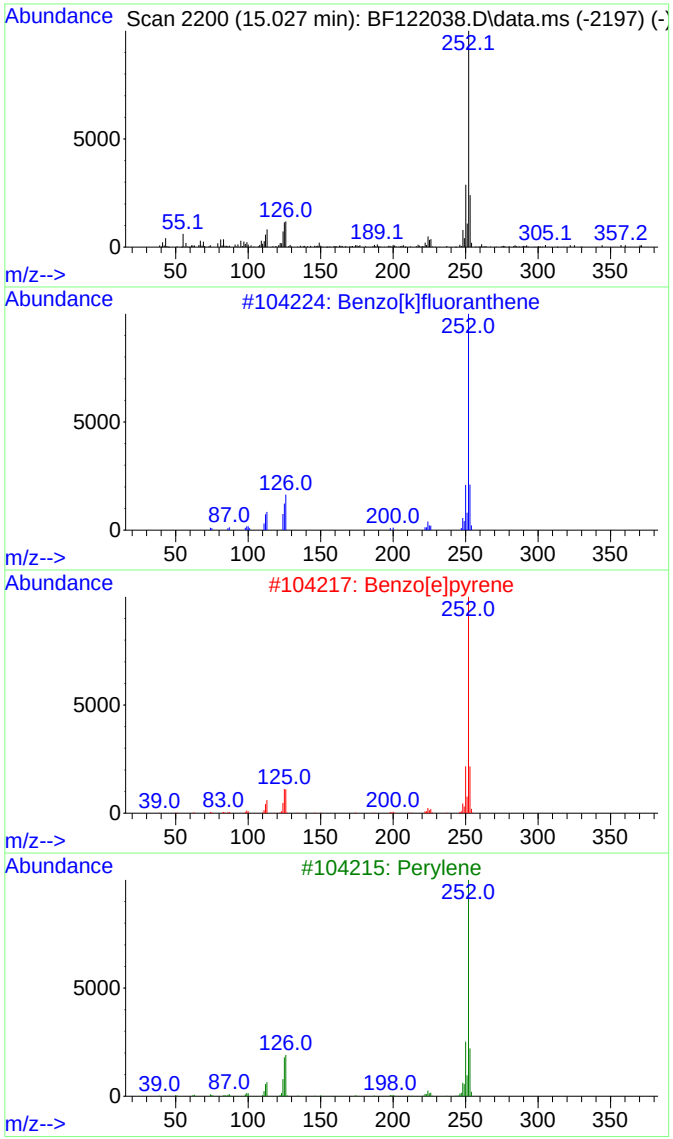
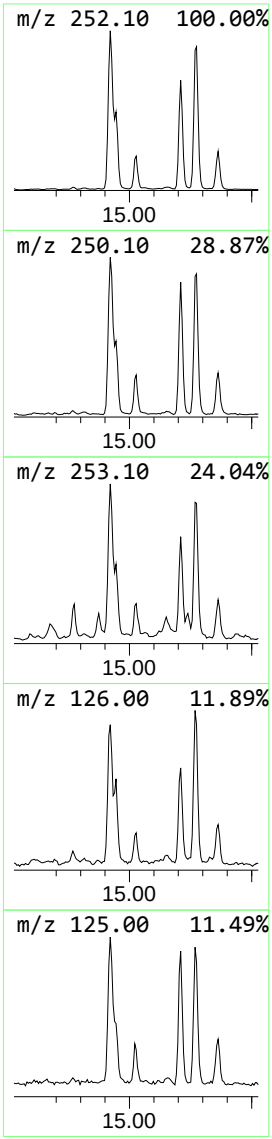
Peak Number 19 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.027	4.52 ng	148522	Perylene-d12	15.333

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
2	Benzo[e]pyrene	252	C20H12	000192-97-2	93
3	Perylene	252	C20H12	000198-55-0	90
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	81





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Data File : BF122038.D
Acq On : 20 Oct 2020 19:40
Operator : JU/CG
Sample : L4461-02
Misc :
ALS Vial : 16 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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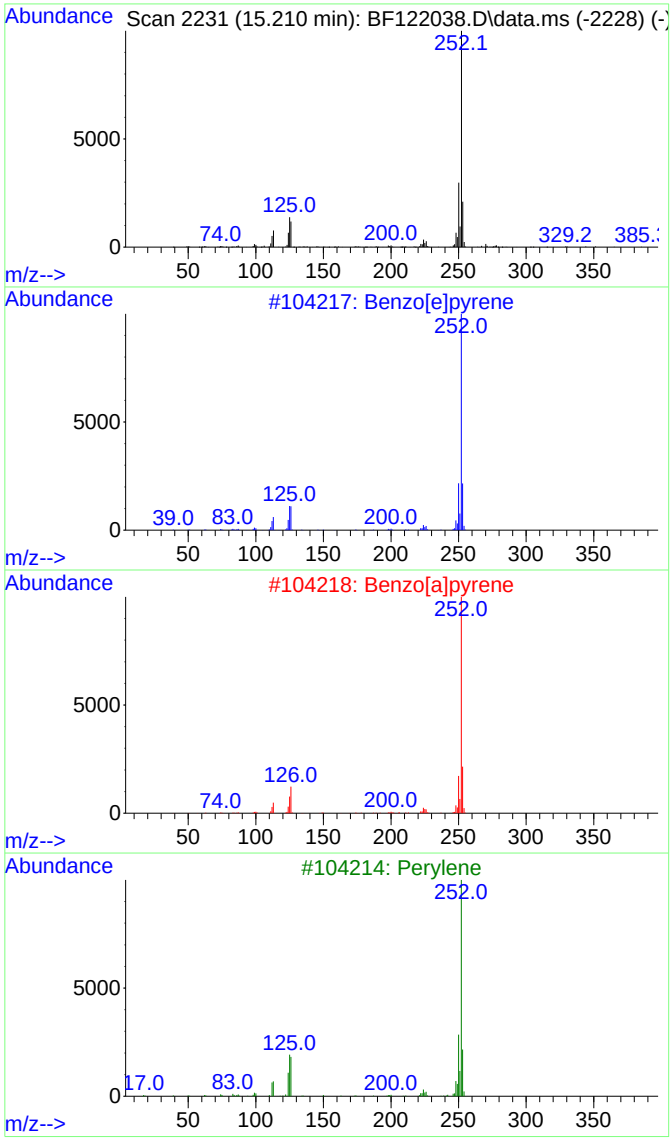
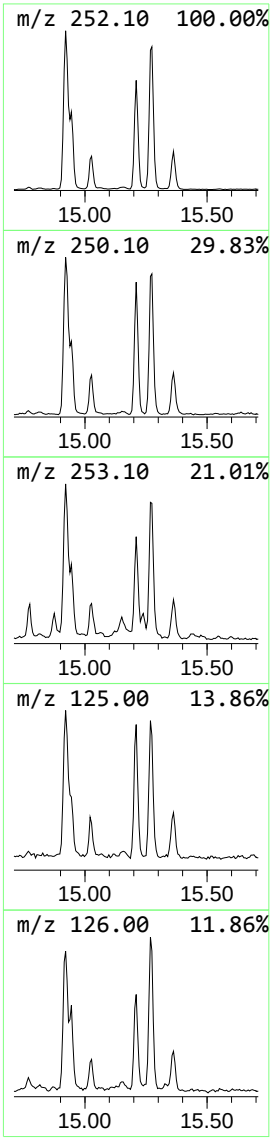
Peak Number 20 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.210	10.26 ng	337135	Perylene-d12	15.333

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	94
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102020\
Data File : BF122038.D
Acq On : 20 Oct 2020 19:40
Operator : JU/CG
Sample : L4461-02
Misc :
ALS Vial : 16 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	4.4	ng	143765	1	6.728	655082	20.0
2,4,7,9-Tetrame...	9.204	4.5	ng	228434	3	9.763	1023170	20.0
Dibenzothiophene	11.145	2.5	ng	122081	4	11.251	970968	20.0
5H-Indeno[1,2-b...	11.492	2.2	ng	108842	4	11.251	970968	20.0
Phenanthrene, 2...	11.751	3.8	ng	185695	4	11.251	970968	20.0
Anthracene, 1-m...	11.780	4.7	ng	227291	4	11.251	970968	20.0
4H-Cyclopenta[d...	11.863	7.4	ng	360831	4	11.251	970968	20.0
Naphthalene, 2-...	12.045	2.8	ng	133543	4	11.251	970968	20.0
Phenanthrene, 2...	12.304	4.7	ng	225977	4	11.251	970968	20.0
Phenanthrene, 3...	12.339	3.4	ng	167179	4	11.251	970968	20.0
Cyclopenta(def)...	12.398	2.3	ng	112163	4	11.251	970968	20.0
Pyrene, 1-methyl-	12.916	2.9	ng	231231	5	13.892	1615920	20.0
11H-Benzo[b]flu...	13.021	4.5	ng	359501	5	13.892	1615920	20.0
Pyrene, 4-methyl-	13.127	2.9	ng	233644	5	13.892	1615920	20.0
Pyrene, 2-methyl-	13.221	2.2	ng	179607	5	13.892	1615920	20.0
Benzo[b]naphtho...	13.645	2.3	ng	187561	5	13.892	1615920	20.0
11H-Benzo[a]flu...	13.751	4.5	ng	359834	5	13.892	1615920	20.0
Benzo(e)pyrene,...	14.768	2.2	ng	72735	6	15.333	657075	20.0
Benzo[e]pyrene	15.027	4.5	ng	148522	6	15.333	657075	20.0
Perylene	15.210	10.3	ng	337135	6	15.333	657075	20.0