LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101221\
Data File : BF125810.D
Acq On : 12 Oct 2021 19:36
Operator : JU/CG
Sample : M4159-10
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T9-COMP-(1-4)

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-BF100721.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF125810.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.110	3	4	10	rVB	1300066	1155610	21.95%	1.549%
2	5.051	500	504	509	rVB	137570	149640	2.84%	0.201%
3	5.457	569	573	576	rBV	3227905	2827914	53.72%	3.791%
4	6.463	739	744	747	rBV	3008935	2838773	53.92%	3.806%
5	6.839	805	808	812	rBV	1166479	965983	18.35%	1.295%
6	7.398	899	903	906	rBV	2192051	1848629	35.12%	2.479%
7	8.022	1006	1009	1015	rBV	492717	377334	7.17%	0.506%
8	8.122	1022	1026	1028	rBV	1566260	1229857	23.36%	1.649%
9	8.833	1143	1147	1150	rBV	144718	109444	2.08%	0.147%
10	8.933	1159	1164	1167	rBV	184096	147937	2.81%	0.198%
11	9.198	1205	1209	1212	rBV	4286225	3521062	66.89%	4.721%
12	9.457	1250	1253	1258	rVB	92006	119233	2.26%	0.160%
13	9.533	1262	1266	1268	rBV	203672	185601	3.53%	0.249%
14	9.875	1318	1324	1327	rBV	1506268	1317601	25.03%	1.767%
15	9.904	1327	1329	1332	rVB	485756	392503	7.46%	0.526%
16	10.075	1355	1358	1362	rVB	327543	273517	5.20%	0.367%
17	10.422	1413	1417	1422	rVV	411858	401807	7.63%	0.539%
18	10.486	1426	1428	1430	rVV	136302	118299	2.25%	0.159%
19	10.575	1441	1443	1448	rVB	172844	176112	3.35%	0.236%
20	10.657	1453	1457	1462	rVV	2107091	1908231	36.25%	2.558%
21	10.786	1474	1479	1483	rVB4	93344	122502	2.33%	0.164%
22	10.969	1503	1510	1512	rBV3	149520	217812	4.14%	0.292%
23	10.992	1512	1514	1517	rVV2	122181	119507	2.27%	0.160%
24	11.098	1527	1532	1533	rBV3	94043	133394	2.53%	0.179%
25	11.116	1533	1535	1537	rVV2	129688	119824	2.28%	0.161%
26	11.157	1540	1542	1547	rVV	262256	253091	4.81%	0.339%
27	11.216	1547	1552	1556	rVV3	138101	253446	4.81%	0.340%
28	11.251	1556	1558	1564	rVB	320040	317687	6.03%	0.426%
29	11.357	1572	1576	1578	rBV	1379018	1281258	24.34%	1.718%
30	11.386	1578	1581	1584	rVV	5118752	4374628	83.10%	5.865%
31	11.433	1586	1589	1592	rVB	818665	669424	12.72%	0.898%
32	11.586	1609	1615	1617	rBV2	286576	335191	6.37%	0.449%
33	11.686	1629	1632	1635	rVV	205021	151598	2.88%	0.203%
34	11.857	1656	1661	1663	rVV	962058	826999	15.71%	1.109%
35	11.886	1663	1666	1670	rVB	1298840	1065385	20.24%	1.428%
36	11.933	1670	1674	1677	rBV	307082	293960	5.58%	0.394%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101221\
Data File : BF125810.D
Acq On : 12 Oct 2021 19:36
Operator : JU/CG
Sample : M4159-10
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T9-COMP-(1-4)

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-BF100721.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.969	1677	1680	1682	rVV2	1141192	1158287	22.00%	1.553%
38	11.992	1682	1684	1689	rVB	759661	573219	10.89%	0.769%
39	12.157	1708	1712	1713	rVV	502527	482959	9.17%	0.648%
40	12.174	1713	1715	1722	rVB2	657116	555194	10.55%	0.744%
41	12.227	1722	1724	1728	rBV	130429	119018	2.26%	0.160%
42	12.304	1734	1737	1739	rVB	247411	188814	3.59%	0.253%
43	12.333	1739	1742	1744	rBV	183174	127883	2.43%	0.171%
44	12.357	1744	1746	1748	rVB	205729	149770	2.85%	0.201%
45	12.410	1751	1755	1758	rBV	578919	620277	11.78%	0.832%
46	12.445	1758	1761	1763	rVV2	352751	446617	8.48%	0.599%
47	12.492	1766	1769	1774	rVB2	382580	442334	8.40%	0.593%
48	12.574	1778	1783	1786	rVB	5108854	4650124	88.33%	6.235%
49	12.633	1786	1793	1796	rVB4	150383	235645	4.48%	0.316%
50	12.698	1800	1804	1806	rBV2	220092	256293	4.87%	0.344%
51	12.721	1806	1808	1811	rVB2	179790	161502	3.07%	0.217%
52	12.804	1815	1822	1827	rBV	4440541	5264306	100.00%	7.058%
53	12.845	1827	1829	1834	rVB2	263132	344682	6.55%	0.462%
54	12.916	1837	1841	1842	rBV2	300520	243352	4.62%	0.326%
55	12.939	1842	1845	1852	rVB	3842621	3896560	74.02%	5.224%
56	13.016	1852	1858	1861	rBV3	437918	696066	13.22%	0.933%
57	13.068	1865	1867	1870	rBV3	96237	112115	2.13%	0.150%
58	13.104	1870	1873	1874	rBV2	301693	340406	6.47%	0.456%
59	13.121	1874	1876	1879	rVB	609693	553119	10.51%	0.742%
60	13.192	1883	1888	1890	rBV2	288725	288122	5.47%	0.386%
61	13.227	1890	1894	1897	rBV2	648002	623311	11.84%	0.836%
62	13.257	1897	1899	1901	rVV	151394	126338	2.40%	0.169%
63	13.321	1907	1910	1912	rBV	370784	300503	5.71%	0.403%
64	13.351	1912	1915	1919	rVB	399017	332927	6.32%	0.446%
65	13.421	1924	1927	1933	rVB5	128308	219901	4.18%	0.295%
66	13.521	1937	1944	1946	rBV6	190922	321486	6.11%	0.431%
67	13.627	1957	1962	1967	rBV	485915	514453	9.77%	0.690%
68	13.739	1976	1981	1984	rBV2	404749	598589	11.37%	0.803%
69	13.768	1984	1986	1988	rVV	437576	342402	6.50%	0.459%
70	13.792	1988	1990	1994	rVV2	293577	412908	7.84%	0.554%
71	13.833	1994	1997	2002	rVB2	518412	586029	11.13%	0.786%
72	13.910	2007	2010	2016	rVB3	111753	178757	3.40%	0.240%
73	13.986	2016	2023	2027	rBV2	2626970	4018797	76.34%	5.388%
74	14.021	2027	2029	2035	rVB	2332507	1942663	36.90%	2.605%
75	14.098	2040	2042	2044	rVB	199014	143079	2.72%	0.192%
76	14.168	2049	2054	2058	rVV5	143290	278013	5.28%	0.373%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101221\
Data File : BF125810.D
Acq On : 12 Oct 2021 19:36
Operator : JU/CG
Sample : M4159-10
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T9-COMP-(1-4)

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-BF100721.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.210	2058	2061	2065	rVV2	146460	217795	4.14%	0.292%
78	14.339	2081	2083	2085	rVV	148712	139187	2.64%	0.187%
79	14.380	2085	2090	2092	rVV	485361	617393	11.73%	0.828%
80	14.410	2092	2095	2098	rVV	380054	380524	7.23%	0.510%
81	14.468	2098	2105	2108	rVV3	252043	458596	8.71%	0.615%
82	14.498	2108	2110	2113	rVV	257389	289125	5.49%	0.388%
83	14.521	2113	2114	2118	rVV3	165248	163990	3.12%	0.220%
84	14.574	2118	2123	2127	rVB3	135845	201730	3.83%	0.270%
85	14.762	2152	2155	2158	rBV3	85649	109567	2.08%	0.147%
86	14.845	2166	2169	2171	rBV2	92931	114587	2.18%	0.154%
87	15.027	2194	2200	2203	rBV	1319912	2161167	41.05%	2.898%
88	15.127	2215	2217	2222	rVB	224374	223076	4.24%	0.299%
89	15.233	2229	2235	2238	rBV6	76175	177688	3.38%	0.238%
90	15.274	2240	2242	2245	rVV2	102283	138336	2.63%	0.185%
91	15.321	2246	2250	2256	rVV	755803	989615	18.80%	1.327%
92	15.386	2256	2261	2267	rVV	1138901	1338596	25.43%	1.795%
93	15.445	2267	2271	2274	rVV	866891	1071082	20.35%	1.436%
94	15.474	2274	2276	2283	rVB2	323166	474813	9.02%	0.637%
95	15.921	2348	2352	2356	rBV3	67014	108716	2.07%	0.146%
96	16.721	2482	2488	2495	rVB2	69829	198545	3.77%	0.266%
97	16.886	2510	2516	2526	rVB2	371121	755709	14.36%	1.013%
98	17.068	2542	2547	2551	rBV	67510	118202	2.25%	0.158%
99	17.321	2584	2590	2603	rVB	280340	584555	11.10%	0.784%
100	17.551	2625	2629	2634	rVB	61767	105722	2.01%	0.142%

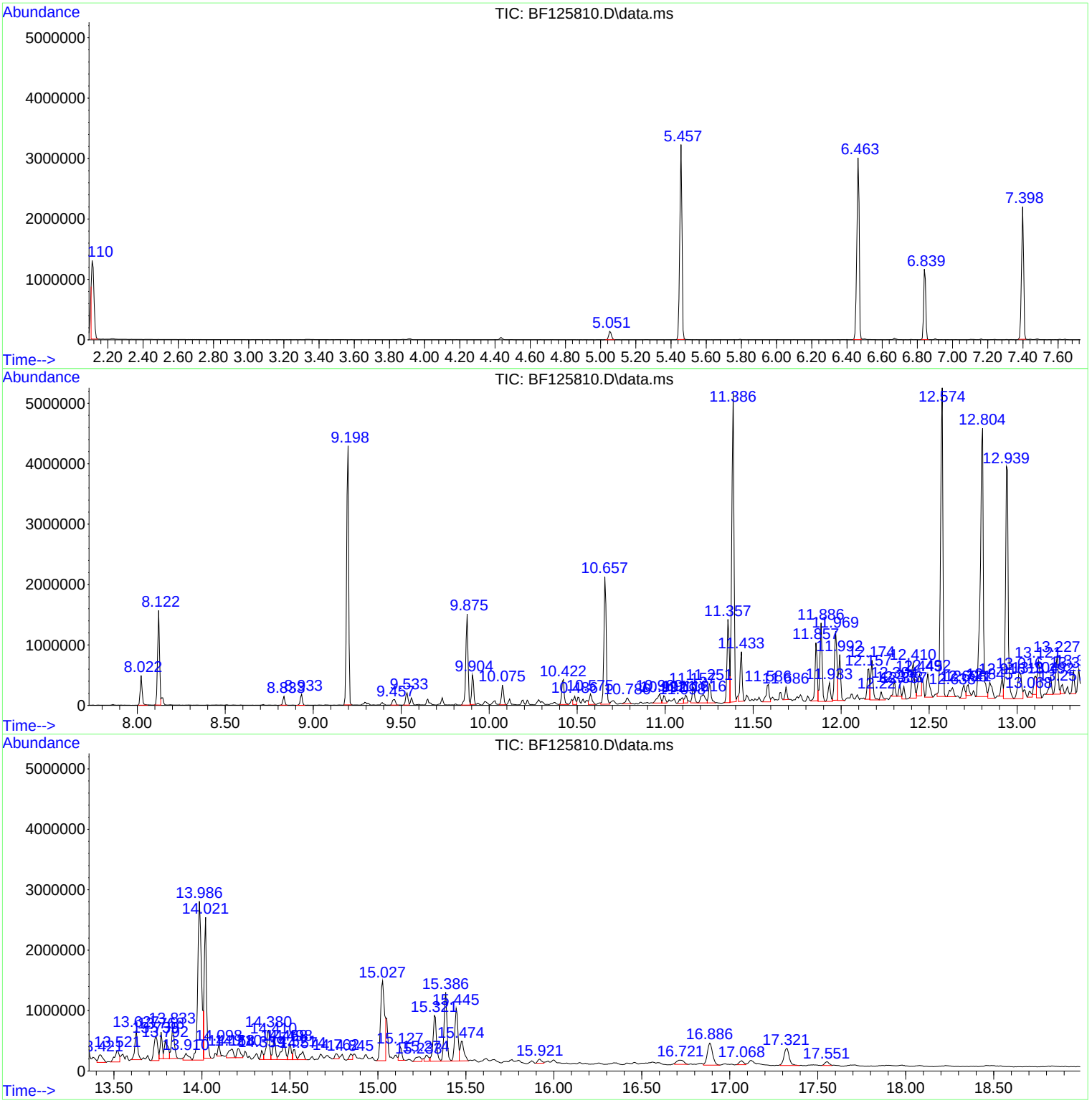
Sum of corrected areas: 74585929

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101221\
Data File : BF125810.D
Acq On : 12 Oct 2021 19:36
Operator : JU/CG
Sample : M4159-10
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
T9-COMP-(1-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101221\
Data File : BF125810.D
Acq On : 12 Oct 2021 19:36
Operator : JU/CG
Sample : M4159-10
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T9-COMP-(1-4)

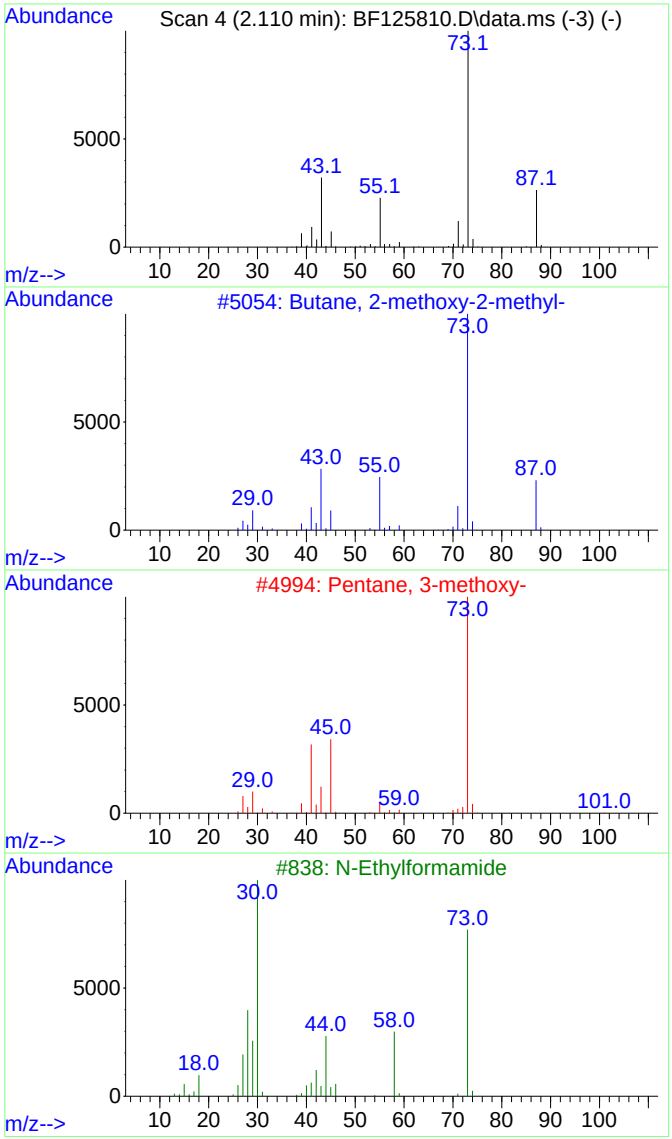
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

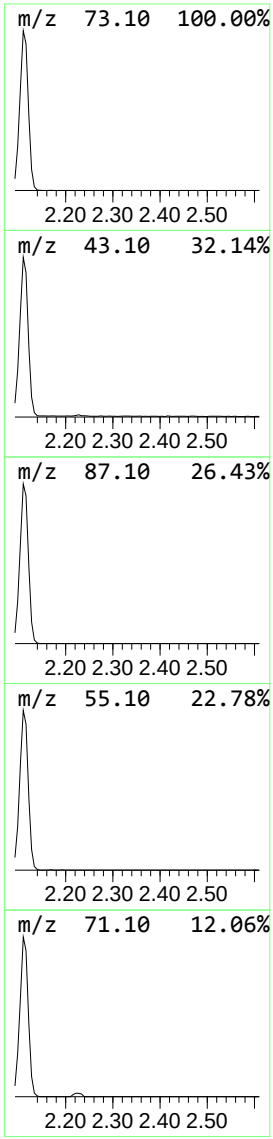
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.110	23.93 ng	1155610	1,4-Dichlorobenzene-d4	6.839

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	64
2	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
3	N-Ethylformamide	73	C3H7NO	000627-45-2	9
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101221\
Data File : BF125810.D
Acq On : 12 Oct 2021 19:36
Operator : JU/CG
Sample : M4159-10
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T9-COMP-(1-4)

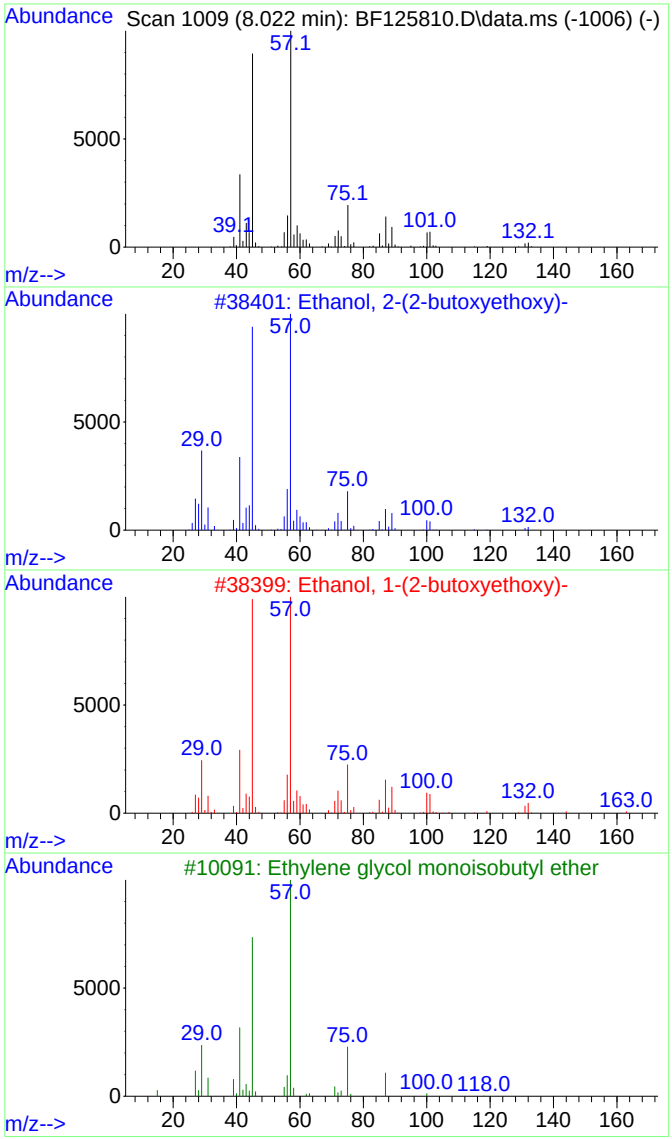
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

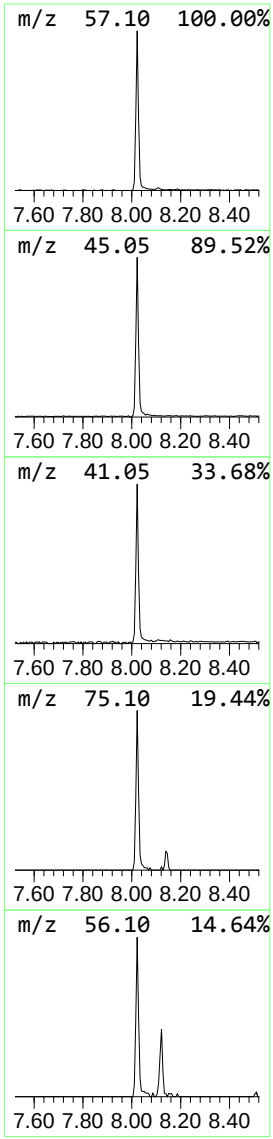
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Ethanol, 2-(2-butoxyethoxy)- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.022	6.14 ng	377334	Naphthalene-d8	8.122

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(2-butoxyethoxy)-	162	C8H18O3	000112-34-5	90
2	Ethanol, 1-(2-butoxyethoxy)-	162	C8H18O3	054446-78-5	90
3	Ethylene glycol monoisobutyl ether	118	C6H14O2	004439-24-1	59
4	Ethanol, 2-[2-(2-methylpropoxy)e...	162	C8H18O3	018912-80-6	56
5	3,3-Dimethylbutane-2-ol	102	C6H14O	000464-07-3	52





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101221\
Data File : BF125810.D
Acq On : 12 Oct 2021 19:36
Operator : JU/CG
Sample : M4159-10
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T9-COMP-(1-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

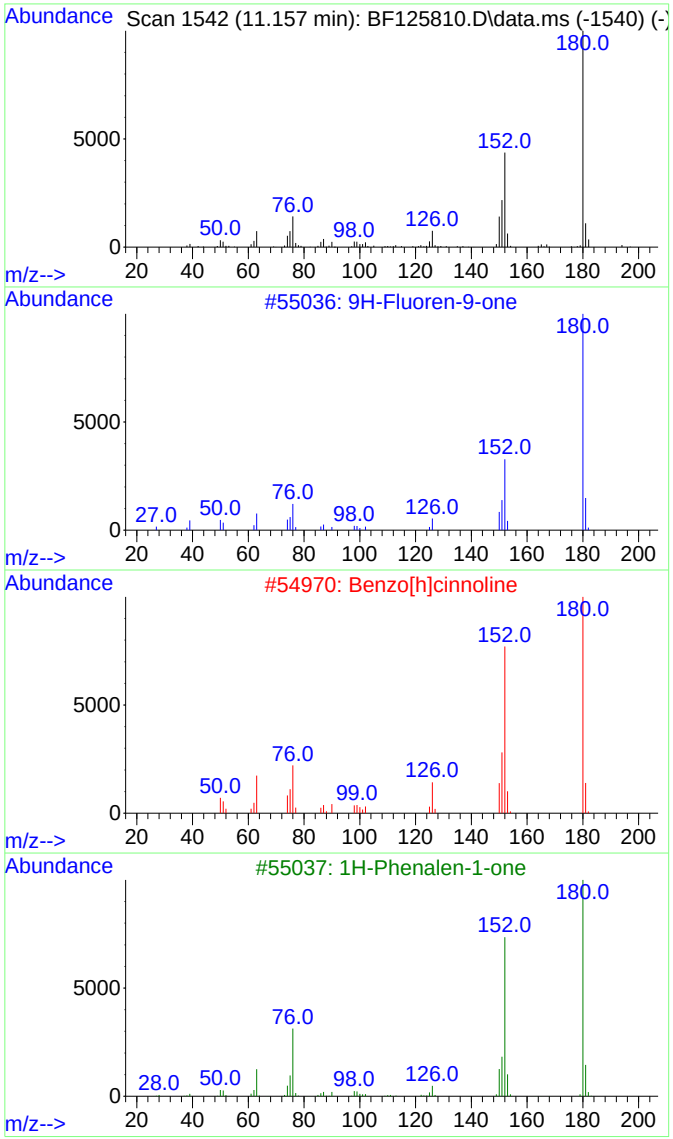
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

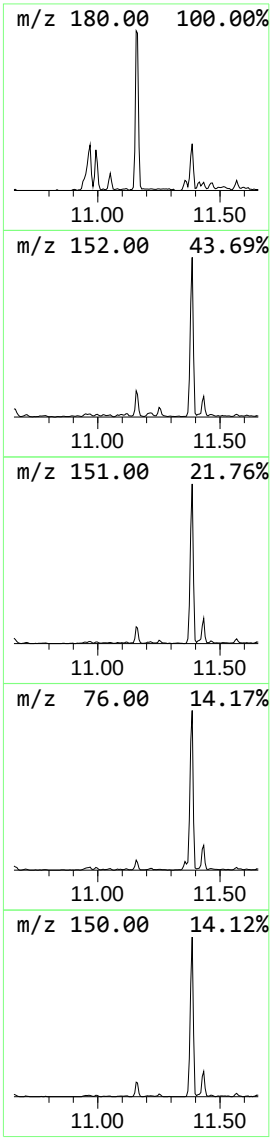
****

Peak Number 3 9H-Fluoren-9-one Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.157	3.95 ng	253091	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	87
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	53
4	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	50
5	Anthracene, 1,2-dihydro-	180	C14H12	058746-82-0	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101221\
Data File : BF125810.D
Acq On : 12 Oct 2021 19:36
Operator : JU/CG
Sample : M4159-10
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
T9-COMP-(1-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

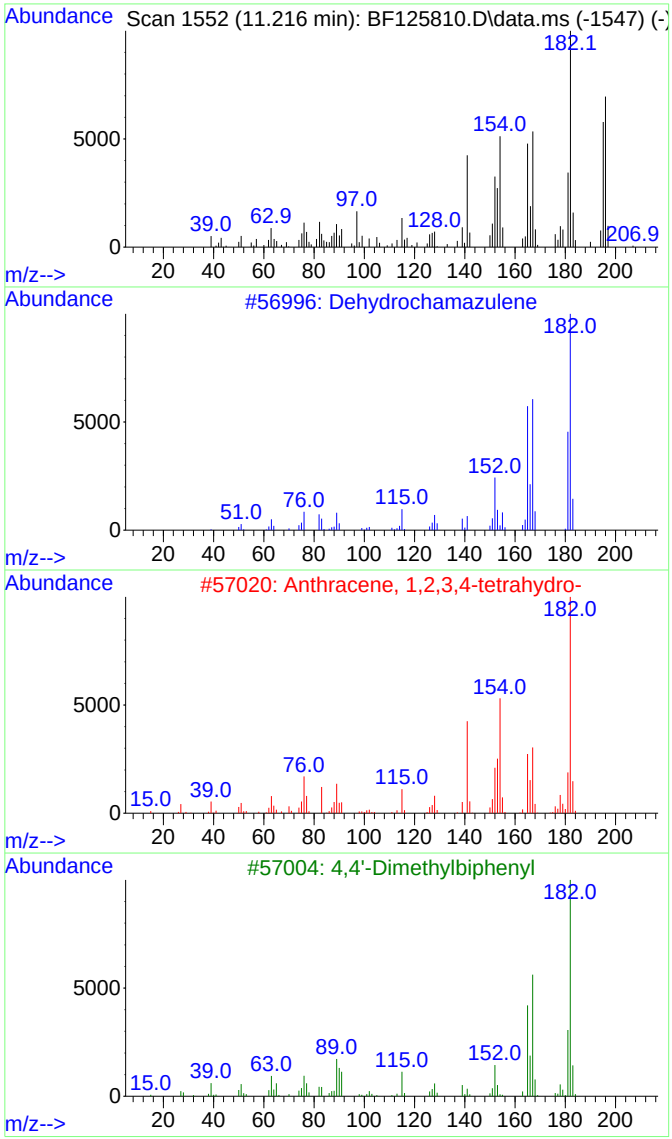
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

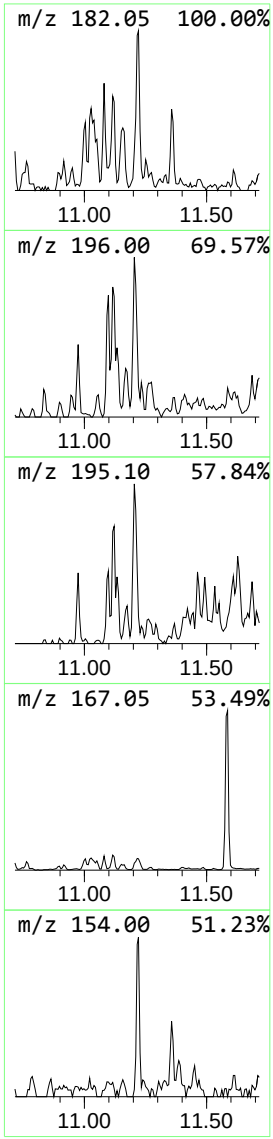
****

Peak Number 4 Dehydrochamazulene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.216	3.96 ng	253446	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dehydrochamazulene	182	C14H14	321732-25-6	86
2	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	83
3	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	64
4	Dibenz[c,e]oxepin, 5,7-dihydro-	196	C14H12O	001136-22-7	55
5	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	45





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101221\
Data File : BF125810.D
Acq On : 12 Oct 2021 19:36
Operator : JU/CG
Sample : M4159-10
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T9-COMP-(1-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

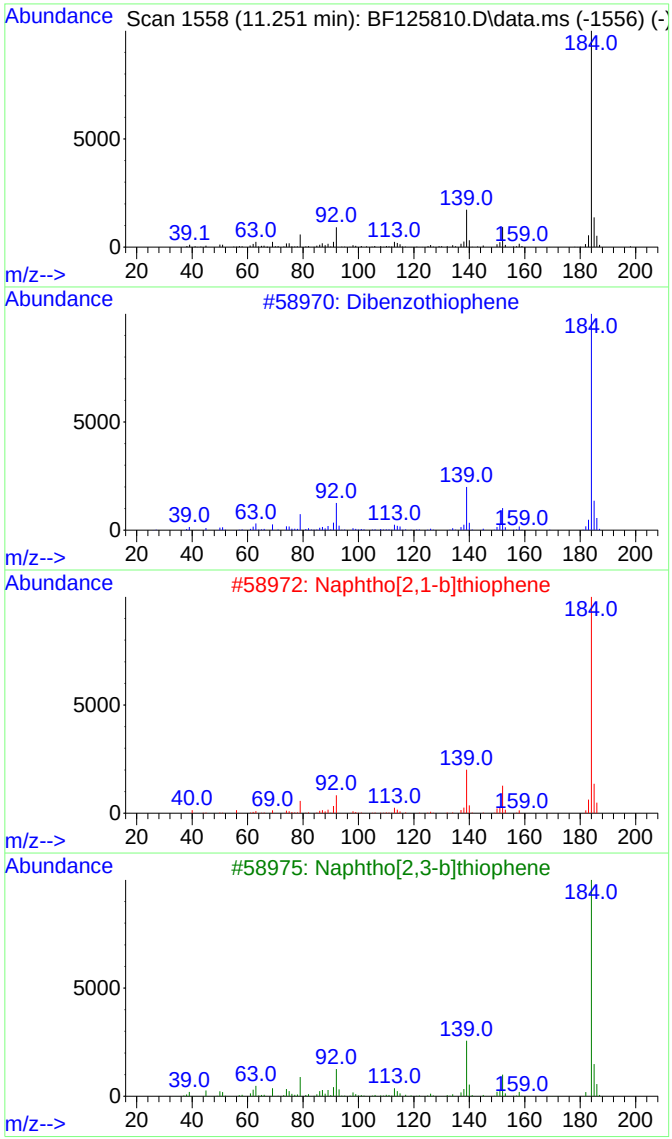
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

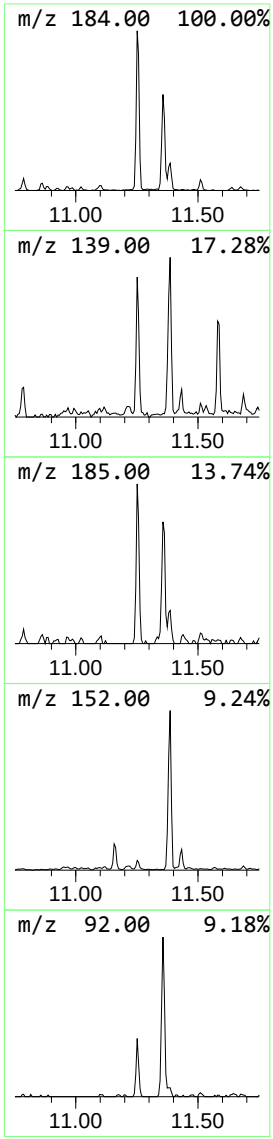
****

Peak Number 5 Dibenzothiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.251	4.96 ng	317687	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	90
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101221\
Data File : BF125810.D
Acq On : 12 Oct 2021 19:36
Operator : JU/CG
Sample : M4159-10
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T9-COMP-(1-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

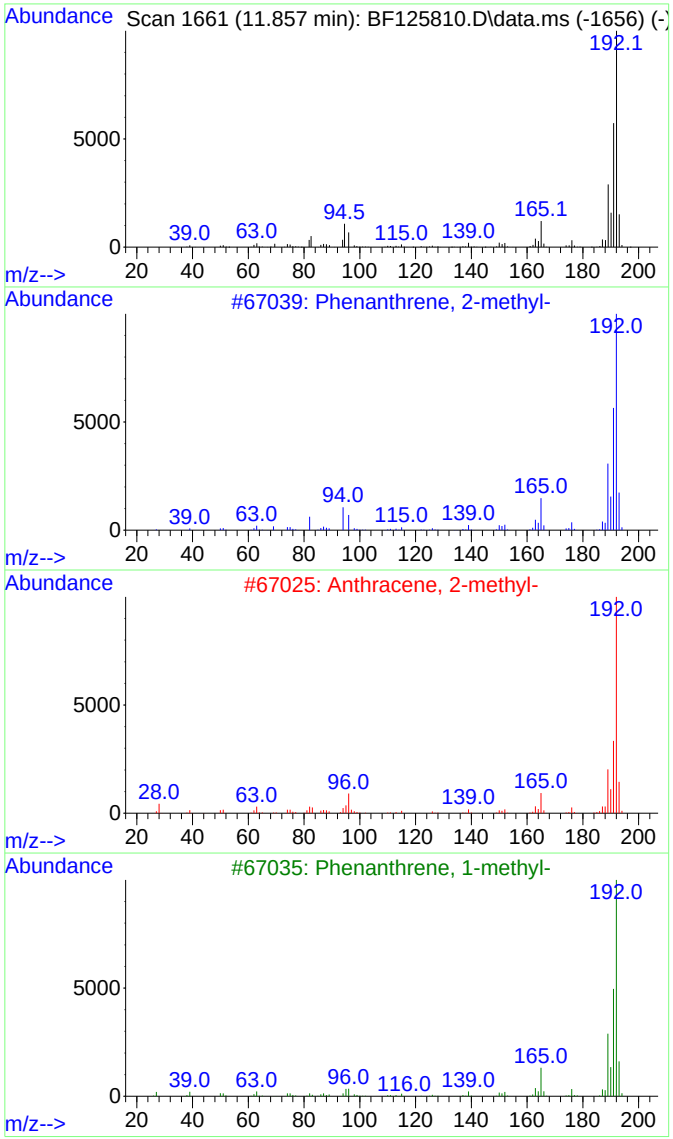
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

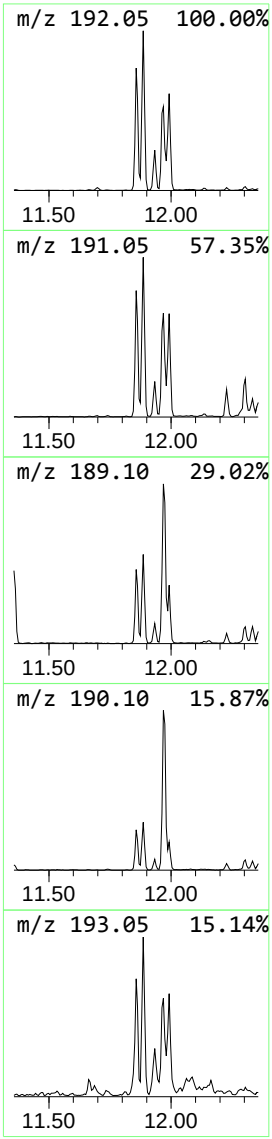
****

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.857	12.91 ng	826999	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101221\
Data File : BF125810.D
Acq On : 12 Oct 2021 19:36
Operator : JU/CG
Sample : M4159-10
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T9-COMP-(1-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

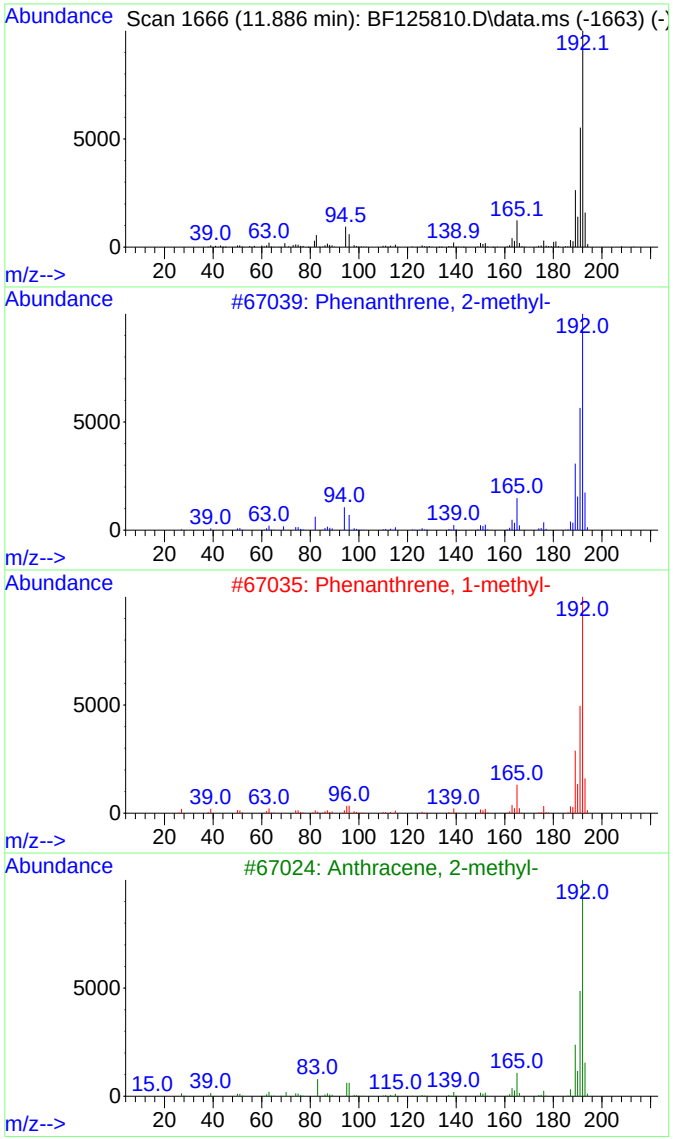
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

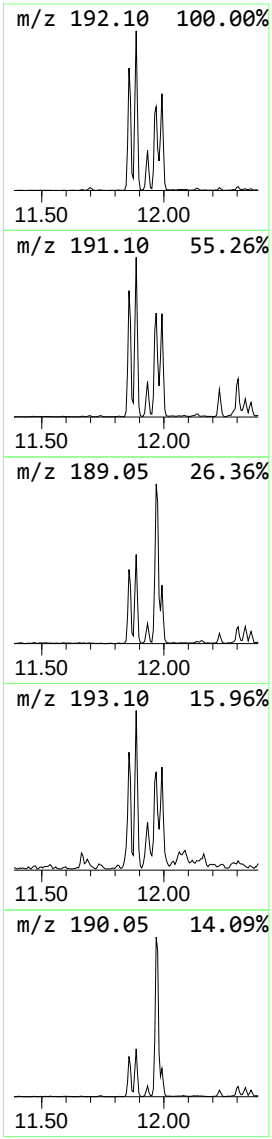
****

Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.886	16.63 ng	1065390	Phenanthrene-d10	11.357

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	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101221\
Data File : BF125810.D
Acq On : 12 Oct 2021 19:36
Operator : JU/CG
Sample : M4159-10
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T9-COMP-(1-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

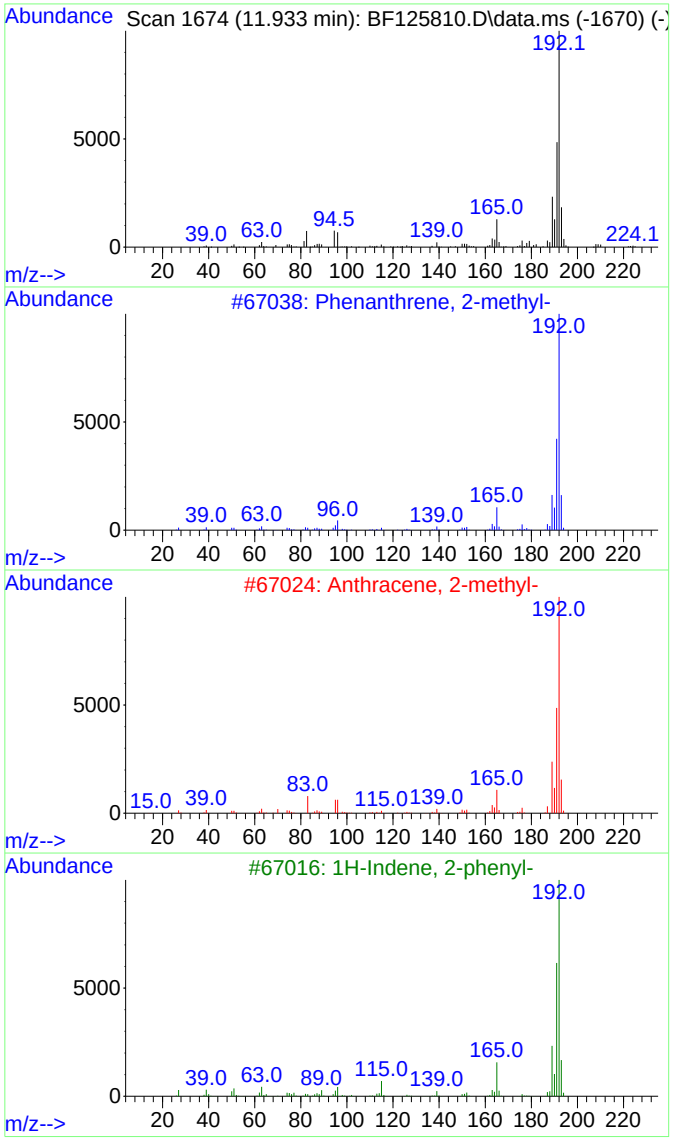
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

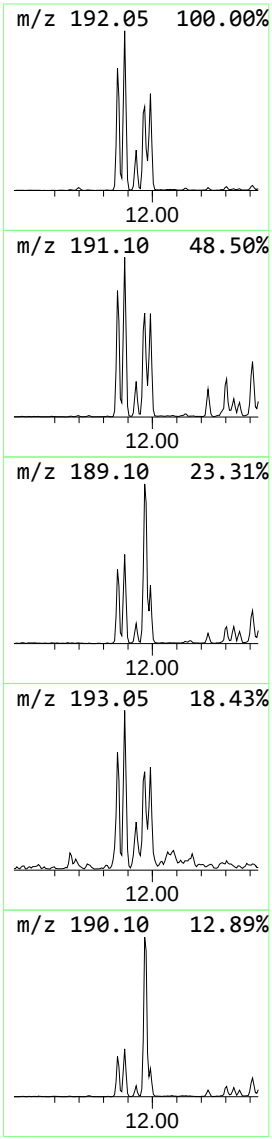
****

Peak Number 8 Anthracene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.933	4.59 ng	293960	Phenanthrene-d10	11.357

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





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101221\
Data File : BF125810.D
Acq On : 12 Oct 2021 19:36
Operator : JU/CG
Sample : M4159-10
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T9-COMP-(1-4)

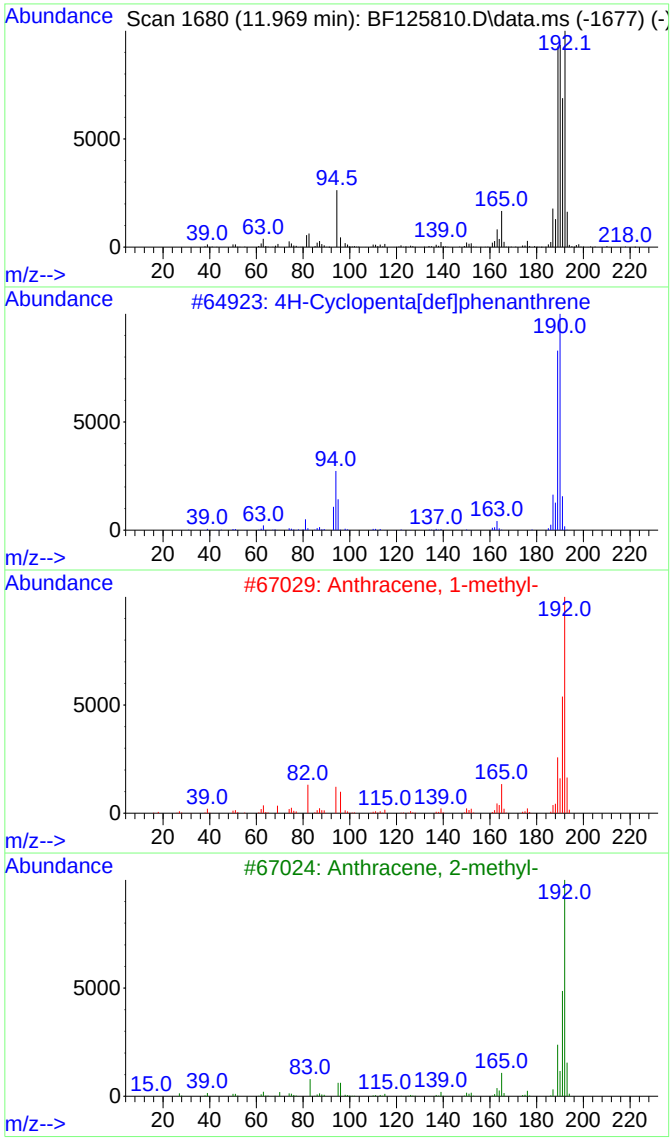
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

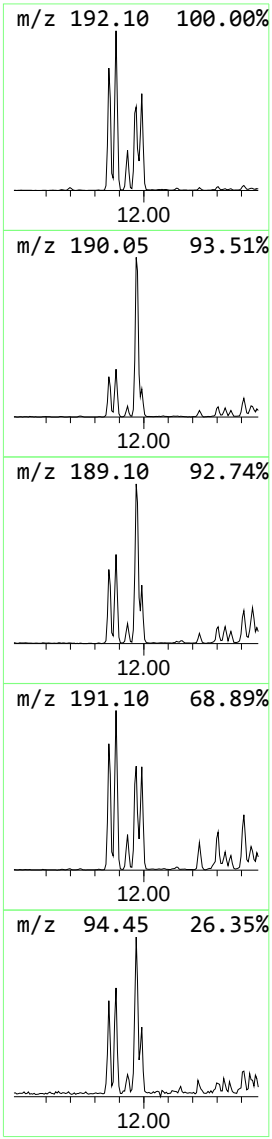
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.969	18.08 ng	1158290	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	90
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	46
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	46
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	46
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101221\
Data File : BF125810.D
Acq On : 12 Oct 2021 19:36
Operator : JU/CG
Sample : M4159-10
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T9-COMP-(1-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

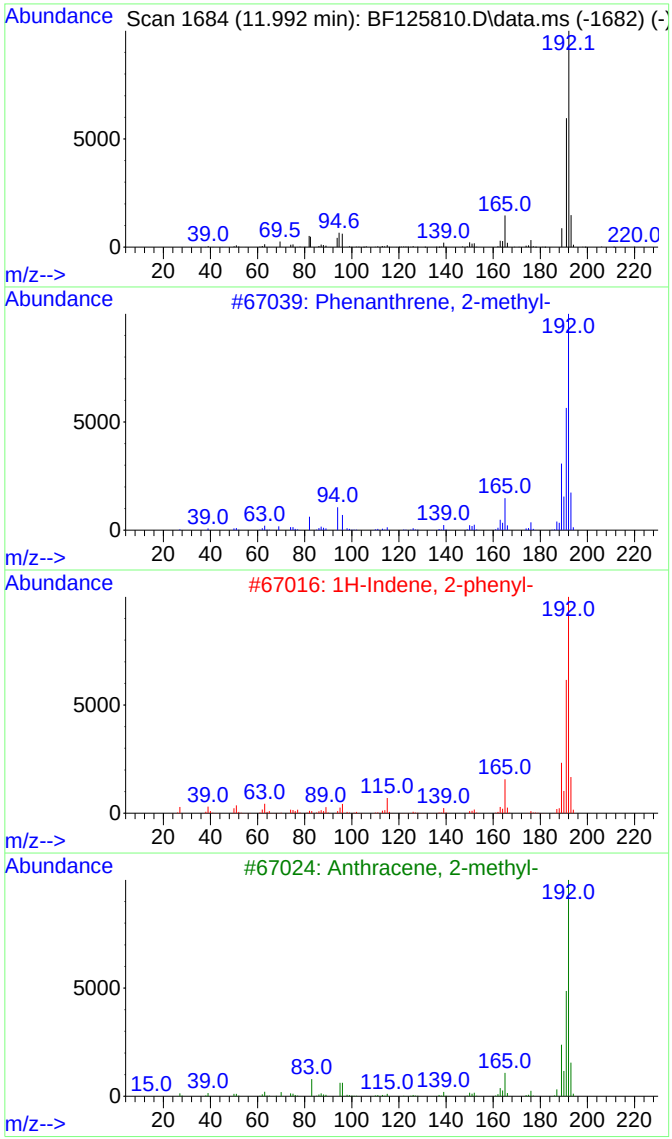
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

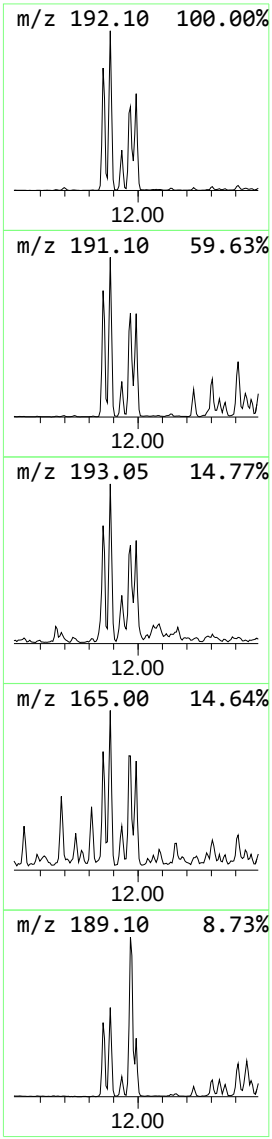
****

Peak Number 10 1H-Indene, 2-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.992	8.95 ng	573219	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101221\
Data File : BF125810.D
Acq On : 12 Oct 2021 19:36
Operator : JU/CG
Sample : M4159-10
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T9-COMP-(1-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

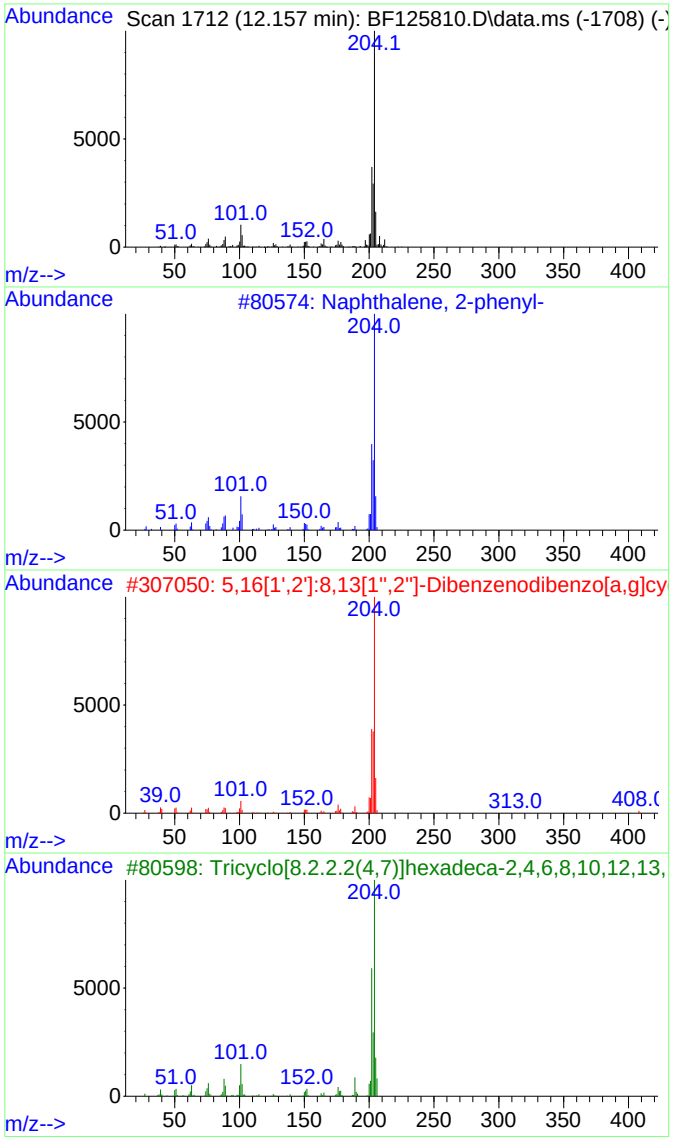
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

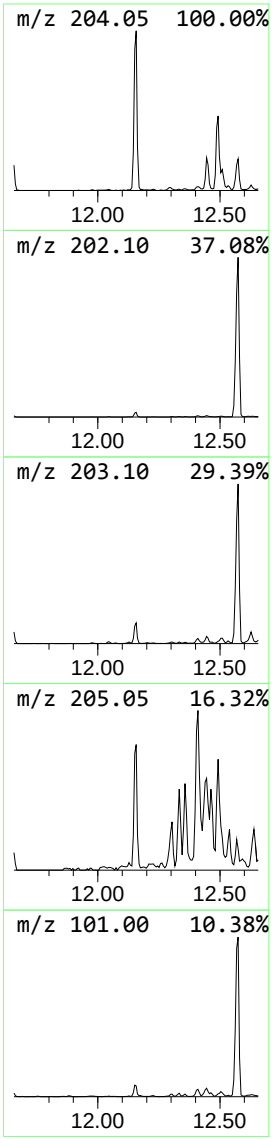
****

Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.157	7.54 ng	482959	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101221\
Data File : BF125810.D
Acq On : 12 Oct 2021 19:36
Operator : JU/CG
Sample : M4159-10
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T9-COMP-(1-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

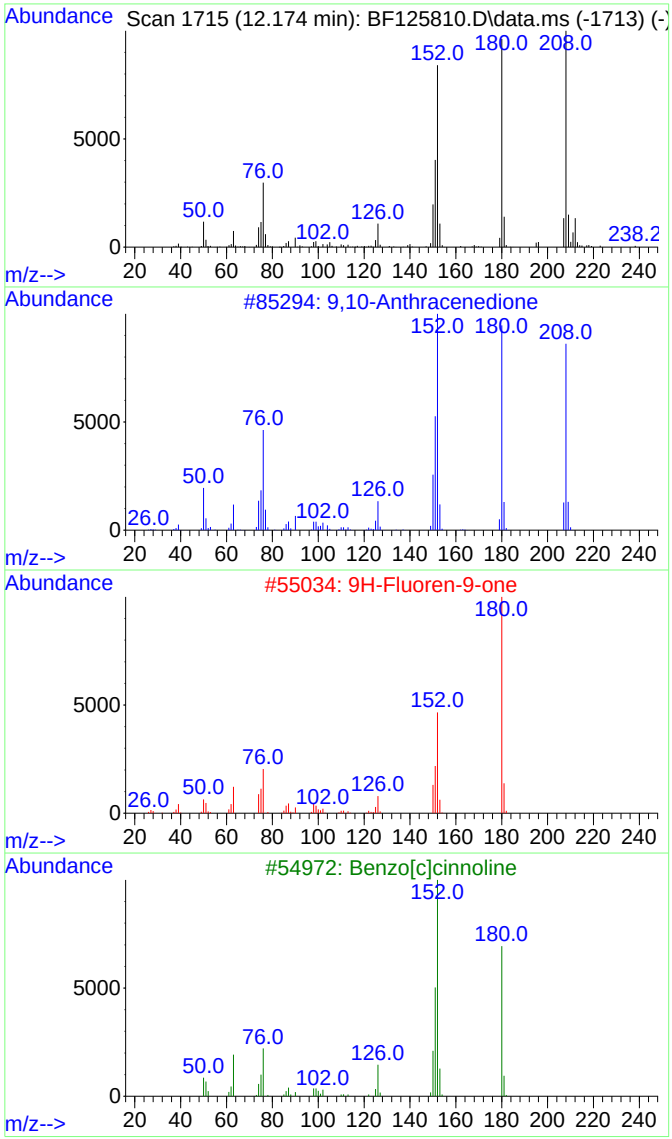
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

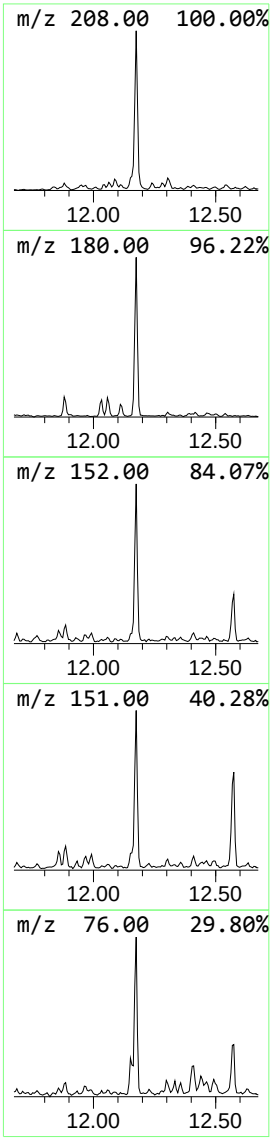
****

Peak Number 12 9,10-Anthracenedione Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.174	8.67 ng	555194	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	70
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	58
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101221\
Data File : BF125810.D
Acq On : 12 Oct 2021 19:36
Operator : JU/CG
Sample : M4159-10
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T9-COMP-(1-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

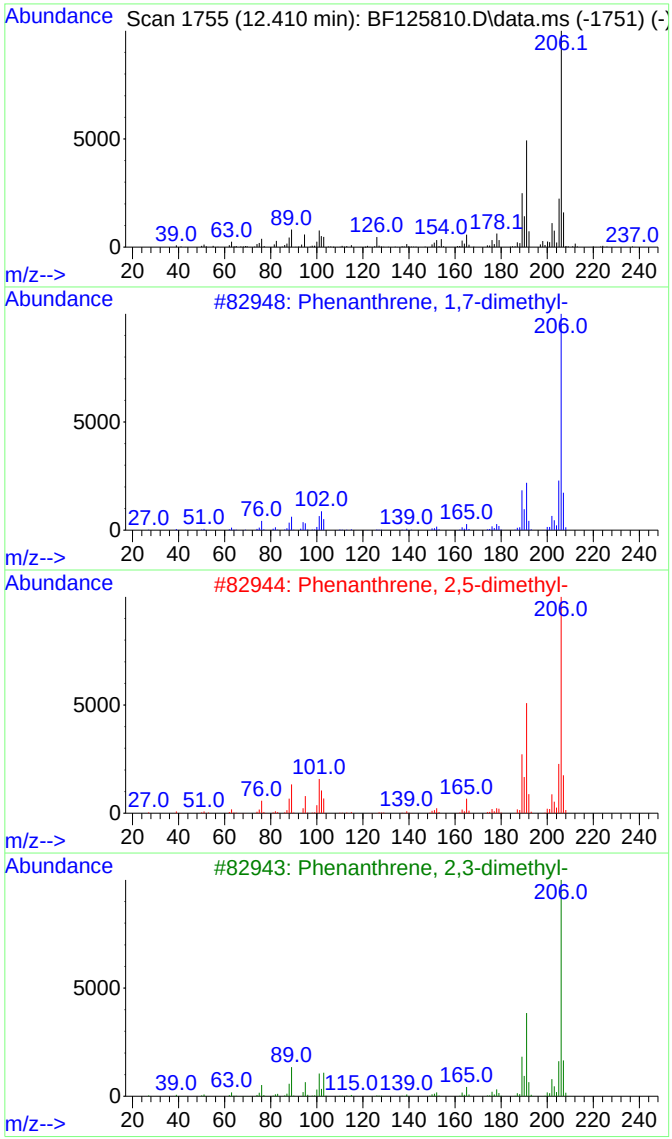
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

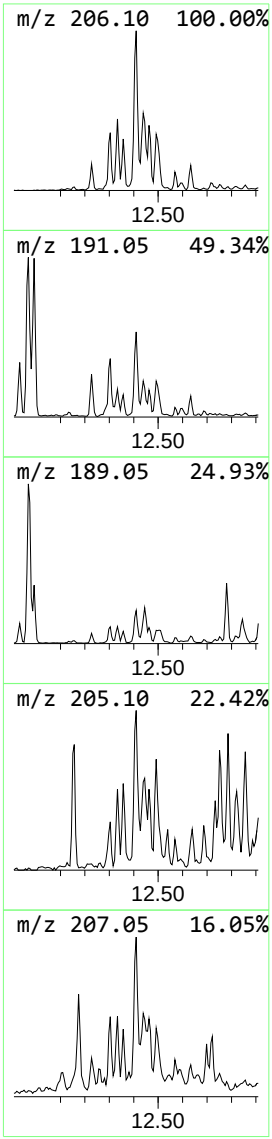
****

Peak Number 13 Phenanthrene, 1,7-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.410	9.68 ng	620277	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101221\
Data File : BF125810.D
Acq On : 12 Oct 2021 19:36
Operator : JU/CG
Sample : M4159-10
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
T9-COMP-(1-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

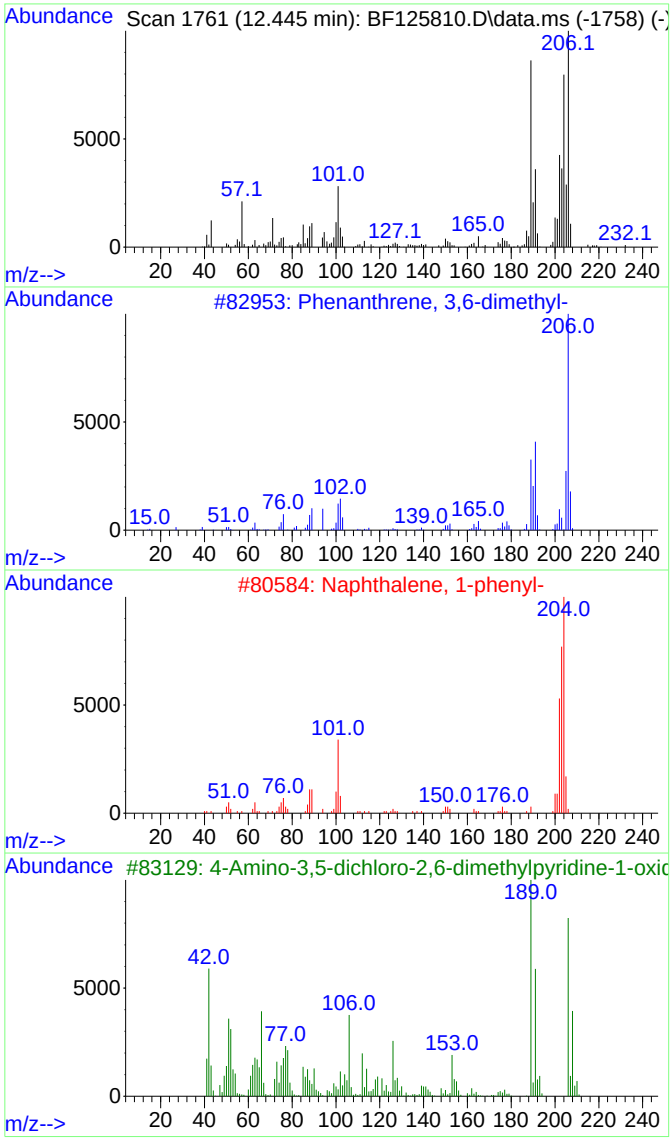
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

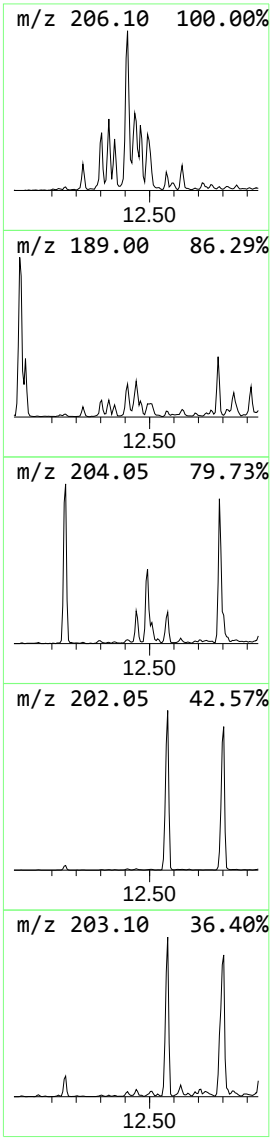
****

Peak Number 14 unknown12.445 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.445	6.97 ng	446617	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	46
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	44
3	4-Amino-3,5-dichloro-2,6-dimethy...	206	C7H8Cl2N2O	1010227-19-9	30
4	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	30
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	30





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101221\
Data File : BF125810.D
Acq On : 12 Oct 2021 19:36
Operator : JU/CG
Sample : M4159-10
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
T9-COMP-(1-4)

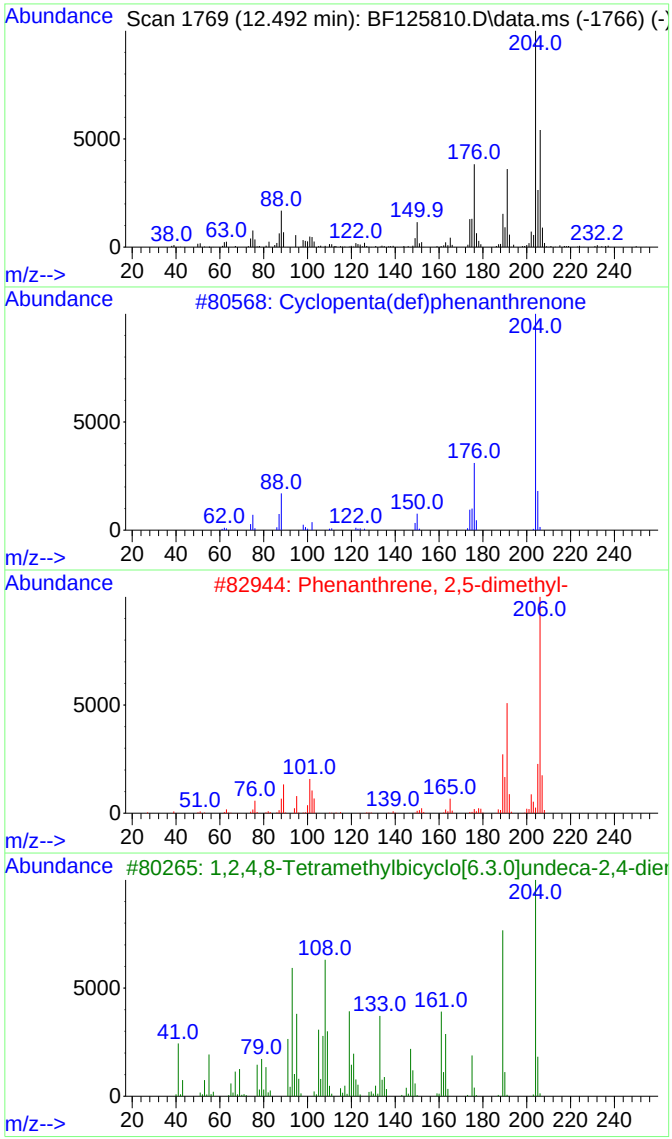
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

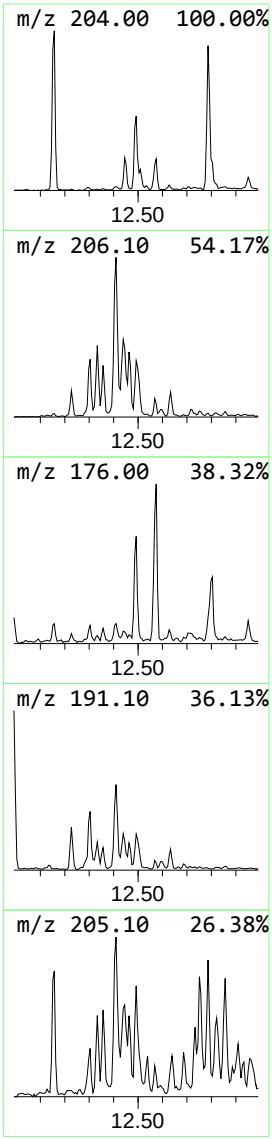
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.492	6.90 ng	442334	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	92
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	47
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	41
4	1-(4-Methoxyphenyl)-5-methyl-2,3...	204	C11H12N2O2	014058-90-3	38
5	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101221\
Data File : BF125810.D
Acq On : 12 Oct 2021 19:36
Operator : JU/CG
Sample : M4159-10
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T9-COMP-(1-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

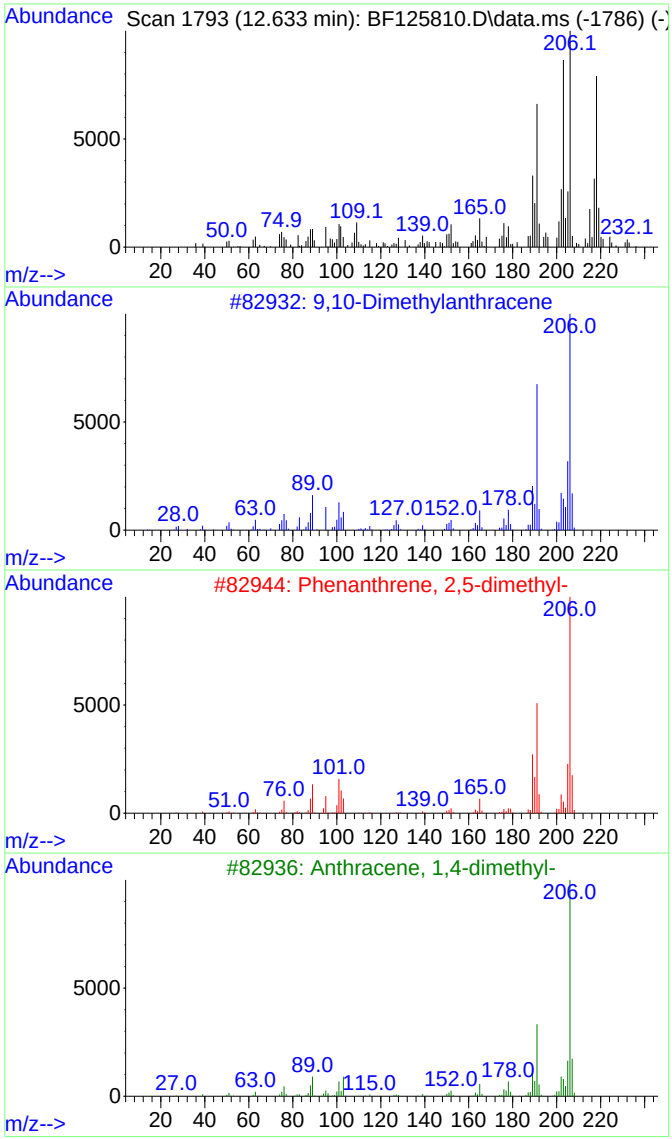
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

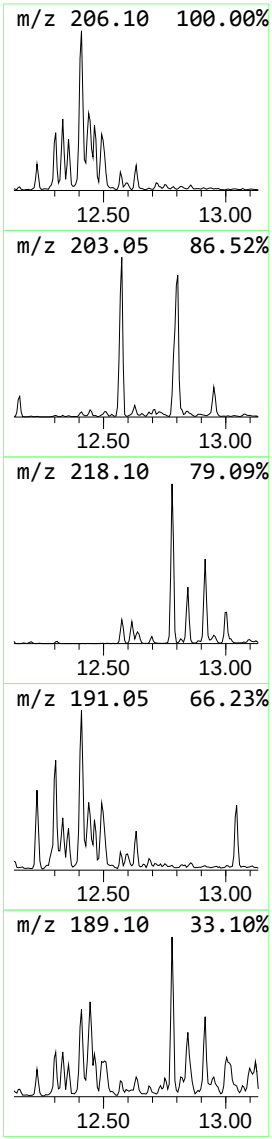
****

Peak Number 16 9,10-Dimethylanthracene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.633	3.68 ng	235645	Phenanthrene-d10	11.357

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	55
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	52
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	50
4	5,6,7,8-Tetrahydrothieno[2,3-b]q...	218	C12H14N2S	134315-44-9	49
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101221\
Data File : BF125810.D
Acq On : 12 Oct 2021 19:36
Operator : JU/CG
Sample : M4159-10
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T9-COMP-(1-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

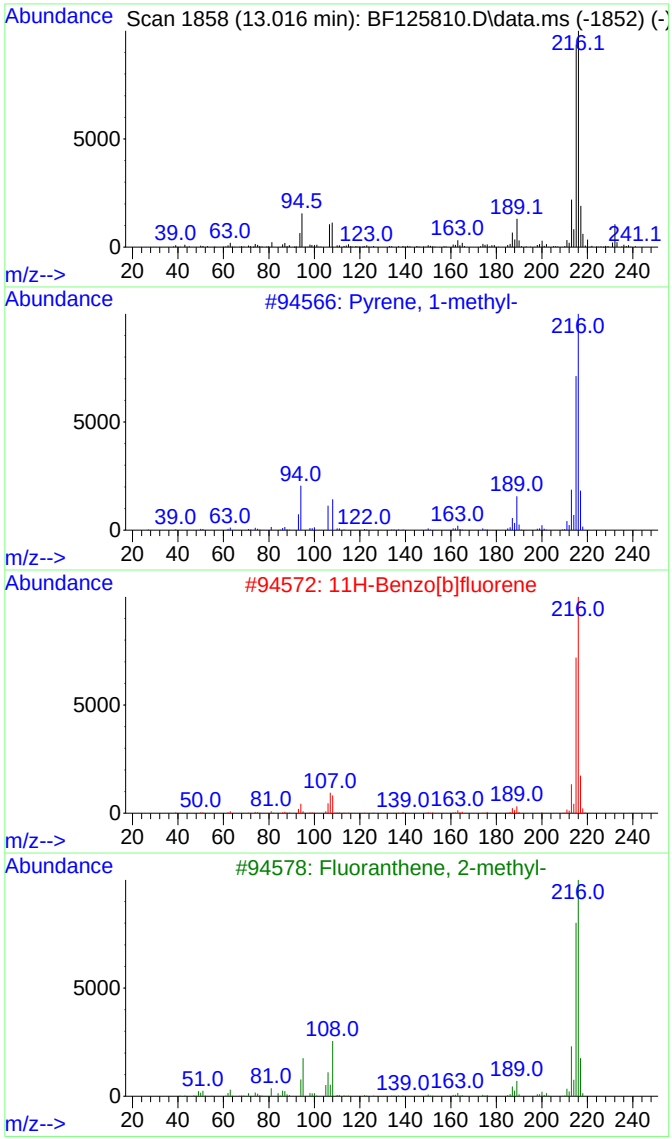
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

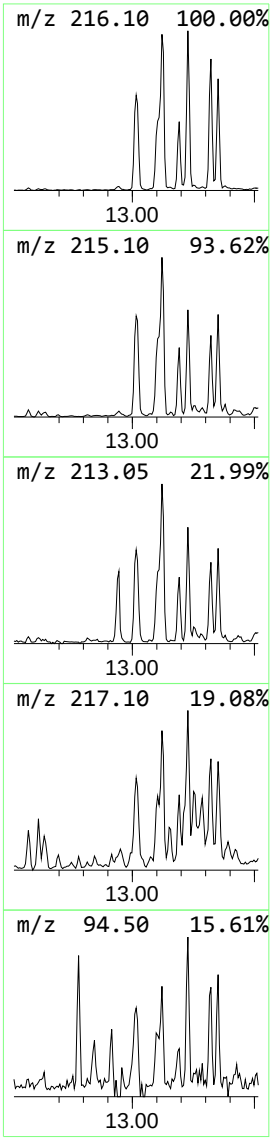
****

Peak Number 17 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.015	3.46 ng	696066	Chrysene-d12	13.992

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	89
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101221\
Data File : BF125810.D
Acq On : 12 Oct 2021 19:36
Operator : JU/CG
Sample : M4159-10
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T9-COMP-(1-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

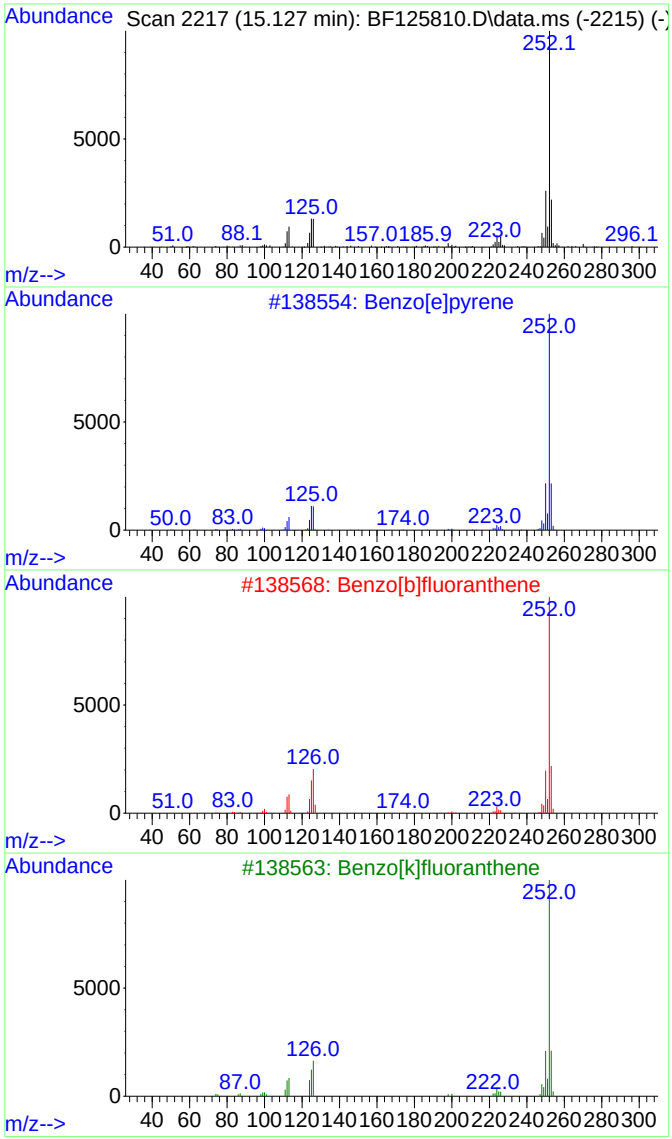
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

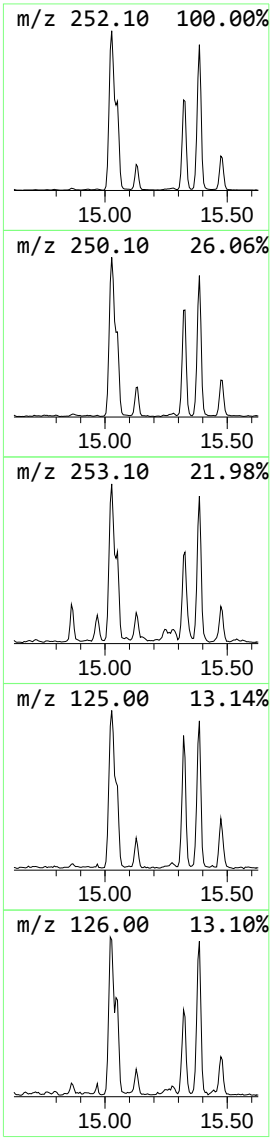
****

Peak Number 18 Benzo[e]pyrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.127	4.17 ng	223076	Perylene-d12	15.445

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2	Benzo[b]fluoranthene	252	C20H12	000205-99-2	91
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
4	Perylene	252	C20H12	000198-55-0	89
5	Benzo[a]pyrene	252	C20H12	000050-32-8	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101221\
Data File : BF125810.D
Acq On : 12 Oct 2021 19:36
Operator : JU/CG
Sample : M4159-10
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T9-COMP-(1-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

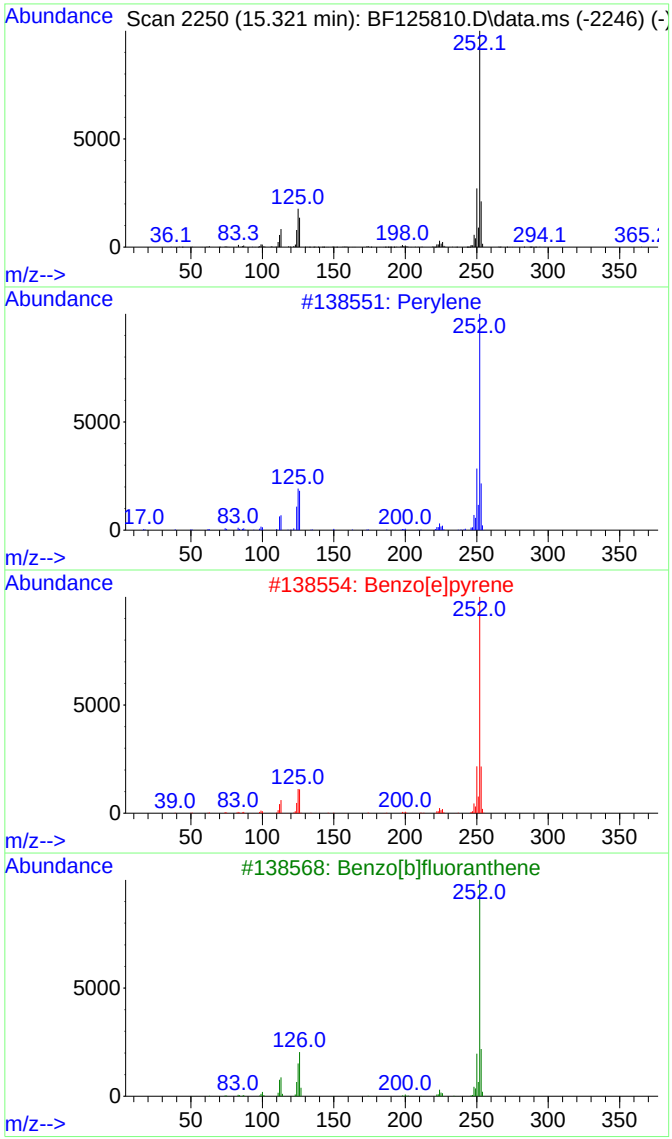
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

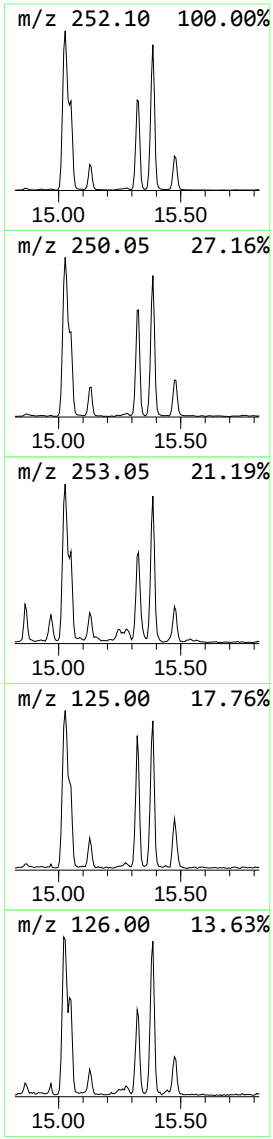
****

Peak Number 19 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.321	18.48 ng	989615	Perylene-d12	15.445

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	99
2	Benzo[e]pyrene	252	C20H12	000192-97-2	98
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	95
4	Benzo[a]pyrene	252	C20H12	000050-32-8	95
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101221\
Data File : BF125810.D
Acq On : 12 Oct 2021 19:36
Operator : JU/CG
Sample : M4159-10
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T9-COMP-(1-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

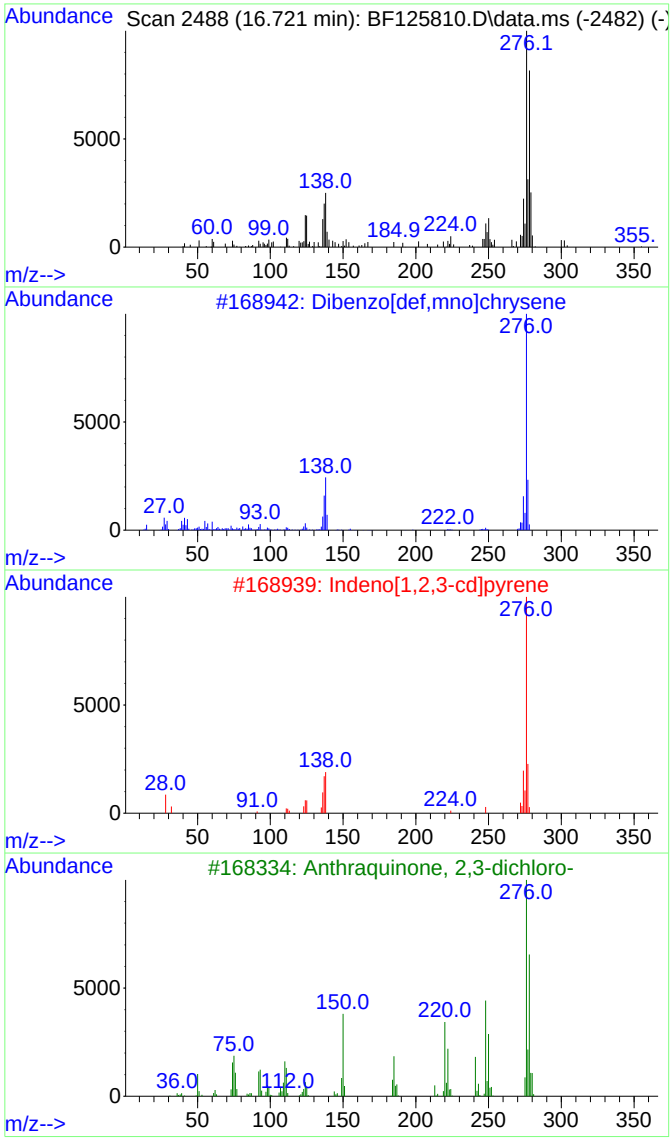
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

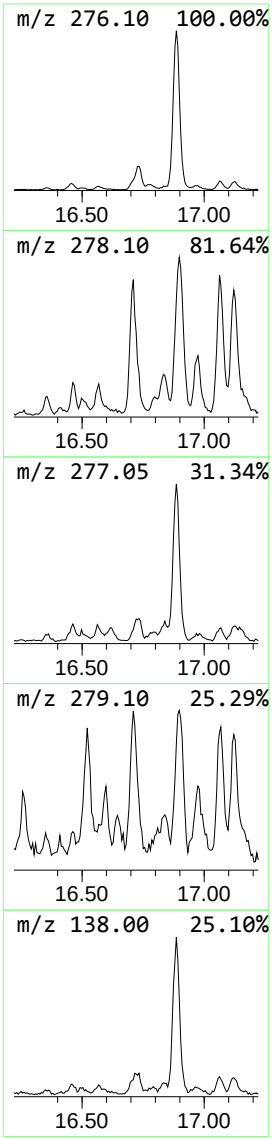
****

Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.721	3.71 ng	198545	Perylene-d12	15.445

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	90
2	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	64
3	Anthraquinone, 2,3-dichloro-	276	C14H6Cl2O2	000084-45-7	62
4	Benzo[ghi]perylene	276	C22H12	000191-24-2	50
5	Anthraquinone, 2,6-dichloro-	276	C14H6Cl2O2	000605-40-3	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101221\
Data File : BF125810.D
Acq On : 12 Oct 2021 19:36
Operator : JU/CG
Sample : M4159-10
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T9-COMP-(1-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	2.110	23.9	ng	1155610	1	6.839	965983	20.0
Ethanol, 2-(2-b...	8.022	6.1	ng	377334	2	8.122	1229860	20.0
9H-Fluoren-9-one	11.157	4.0	ng	253091	4	11.357	1281260	20.0
Dehydrochamazulene	11.216	4.0	ng	253446	4	11.357	1281260	20.0
Dibenzothiophene	11.251	5.0	ng	317687	4	11.357	1281260	20.0
Phenanthrene, 2...	11.857	12.9	ng	826999	4	11.357	1281260	20.0
Phenanthrene, 1...	11.886	16.6	ng	1065390	4	11.357	1281260	20.0
Anthracene, 2-m...	11.933	4.6	ng	293960	4	11.357	1281260	20.0
4H-Cyclopenta[d...	11.969	18.1	ng	1158290	4	11.357	1281260	20.0
1H-Indene, 2-ph...	11.992	8.9	ng	573219	4	11.357	1281260	20.0
Naphthalene, 2-...	12.157	7.5	ng	482959	4	11.357	1281260	20.0
9,10-Anthracene...	12.174	8.7	ng	555194	4	11.357	1281260	20.0
Phenanthrene, 1...	12.410	9.7	ng	620277	4	11.357	1281260	20.0
unknown12.445	12.445	7.0	ng	446617	4	11.357	1281260	20.0
Cyclopenta(def)...	12.492	6.9	ng	442334	4	11.357	1281260	20.0
9,10-Dimethylan...	12.633	3.7	ng	235645	4	11.357	1281260	20.0
Pyrene, 1-methyl-	13.015	3.5	ng	696066	5	13.992	4018800	20.0
Benzo[e]pyrene	15.127	4.2	ng	223076	6	15.445	1071080	20.0
Perylene	15.321	18.5	ng	989615	6	15.445	1071080	20.0
Dibenzo[def,mno...	16.721	3.7	ng	198545	6	15.445	1071080	20.0