LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061824\
Data File : BF138236.D
Acq On : 18 Jun 2024 20:59
Operator : CG\JU
Sample : P2880-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-06132024

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-BF061224.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF138236.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.175	9	15	21	rBV	2057444	2443739	42.70%	3.267%
2	5.098	509	512	518	rVB	174847	180013	3.15%	0.241%
3	5.504	577	581	584	rBV	2980803	2536575	44.32%	3.392%
4	6.510	748	752	755	rBV	3016724	2410437	42.12%	3.223%
5	6.716	784	787	792	rBV2	56553	80123	1.40%	0.107%
6	6.892	813	817	820	rBV	2808935	2171059	37.93%	2.903%
7	7.451	908	912	915	rBV	1730853	1504384	26.29%	2.011%
8	8.175	1031	1035	1037	rBV	3063412	2668012	46.62%	3.567%
9	8.192	1037	1038	1041	rVB	292073	158649	2.77%	0.212%
10	8.481	1083	1087	1092	rBV	144423	133195	2.33%	0.178%
11	8.880	1152	1155	1159	rVB	241040	180013	3.15%	0.241%
12	8.980	1168	1172	1176	rVB	258985	201928	3.53%	0.270%
13	9.245	1213	1217	1220	rBV	3762555	2870594	50.16%	3.838%
14	9.510	1257	1262	1265	rBV	138567	180823	3.16%	0.242%
15	9.580	1270	1274	1277	rVV	271704	258301	4.51%	0.345%
16	9.610	1277	1279	1281	rVV	156136	124146	2.17%	0.166%
17	9.698	1291	1294	1299	rBV	140433	144255	2.52%	0.193%
18	9.786	1305	1309	1313	rVB	302282	272461	4.76%	0.364%
19	9.922	1329	1332	1335	rVB	2744024	2375424	41.51%	3.176%
20	9.957	1335	1338	1341	rVB	536580	407132	7.11%	0.544%
21	10.027	1345	1350	1354	rVB3	86045	128241	2.24%	0.171%
22	10.080	1354	1359	1361	rBV2	58375	77959	1.36%	0.104%
23	10.127	1363	1367	1370	rVB2	310323	287666	5.03%	0.385%
24	10.163	1370	1373	1377	rBV	134904	101416	1.77%	0.136%
25	10.239	1381	1386	1388	rBV3	129459	136325	2.38%	0.182%
26	10.327	1397	1401	1403	rBV3	84424	110110	1.92%	0.147%
27	10.469	1422	1425	1431	rVB	618210	556867	9.73%	0.745%
28	10.627	1449	1452	1455	rVB	132571	130179	2.27%	0.174%
29	10.710	1461	1466	1470	rBV	1446208	1306110	22.82%	1.746%
30	10.833	1483	1487	1490	rVB2	157037	171038	2.99%	0.229%
31	11.016	1513	1518	1521	rBV2	185309	222559	3.89%	0.298%
32	11.045	1521	1523	1526	rVV2	145484	126862	2.22%	0.170%
33	11.098	1530	1532	1535	rVV	112316	97337	1.70%	0.130%
34	11.145	1535	1540	1542	rVV3	76578	108572	1.90%	0.145%
35	11.169	1542	1544	1548	rVV2	106497	114338	2.00%	0.153%
36	11.210	1549	1551	1555	rVV4	81060	88359	1.54%	0.118%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061824\
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Acq On : 18 Jun 2024 20:59
Operator : CG\JU
Sample : P2880-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-06132024

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-BF061224.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.257	1556	1559	1561	rVV	83641	105608	1.85%	0.141%
38	11.304	1564	1567	1572	rVB	345496	301464	5.27%	0.403%
39	11.410	1581	1585	1587	rBV	2429400	2104117	36.77%	2.813%
40	11.433	1587	1589	1592	rVV	3757240	2798950	48.91%	3.742%
41	11.480	1595	1597	1600	rVV	901444	784856	13.71%	1.049%
42	11.516	1600	1603	1606	rVV2	113538	127134	2.22%	0.170%
43	11.639	1621	1624	1626	rBV	250148	233339	4.08%	0.312%
44	11.704	1632	1635	1638	rBV2	146556	113560	1.98%	0.152%
45	11.739	1638	1641	1646	rVB	202773	171867	3.00%	0.230%
46	11.821	1652	1655	1659	rVB	140557	153233	2.68%	0.205%
47	11.910	1667	1670	1672	rBV	637039	539592	9.43%	0.721%
48	11.939	1672	1675	1679	rVB	838230	797997	13.94%	1.067%
49	11.986	1679	1683	1685	rBV	295001	280858	4.91%	0.376%
50	12.021	1685	1689	1691	rVV	1231317	1209839	21.14%	1.618%
51	12.045	1691	1693	1697	rVB	467469	377292	6.59%	0.504%
52	12.139	1706	1709	1712	rVB2	113061	102782	1.80%	0.137%
53	12.204	1717	1720	1722	rBV	417298	334225	5.84%	0.447%
54	12.227	1722	1724	1728	rVB2	175929	182645	3.19%	0.244%
55	12.333	1740	1742	1744	rBV	99905	106064	1.85%	0.142%
56	12.351	1744	1745	1748	rVB	138281	99473	1.74%	0.133%
57	12.386	1748	1751	1753	rBV	211827	187290	3.27%	0.250%
58	12.404	1753	1754	1757	rVB2	180802	141770	2.48%	0.190%
59	12.457	1760	1763	1766	rBV	563841	557210	9.74%	0.745%
60	12.498	1766	1770	1772	rVV	331558	419740	7.33%	0.561%
61	12.545	1775	1778	1782	rBV2	248993	360803	6.30%	0.482%
62	12.621	1787	1791	1795	rBV	5206127	4769876	83.34%	6.378%
63	12.663	1795	1798	1800	rBV	141533	145751	2.55%	0.195%
64	12.716	1804	1807	1809	rVB2	197498	155498	2.72%	0.208%
65	12.745	1809	1812	1814	rBV2	78506	93570	1.63%	0.125%
66	12.774	1814	1817	1820	rBV	227753	208394	3.64%	0.279%
67	12.851	1824	1830	1835	rBV	5210096	5723118	100.00%	7.652%
68	12.904	1835	1839	1843	rVB2	240302	321743	5.62%	0.430%
69	12.963	1846	1849	1851	rBV2	216571	244046	4.26%	0.326%
70	12.992	1851	1854	1861	rVB	2931493	2585300	45.17%	3.457%
71	13.063	1862	1866	1870	rBV3	413095	647785	11.32%	0.866%
72	13.121	1874	1876	1878	rBV2	117680	108297	1.89%	0.145%
73	13.157	1878	1882	1883	rBV3	311449	390430	6.82%	0.522%
74	13.174	1883	1885	1888	rVB	935925	776236	13.56%	1.038%
75	13.245	1891	1897	1899	rBV	728088	724163	12.65%	0.968%
76	13.280	1899	1903	1906	rBV2	642714	636655	11.12%	0.851%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061824\
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Acq On : 18 Jun 2024 20:59
Operator : CG\JU
Sample : P2880-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-06132024

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

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Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.374	1916	1919	1921	rVB	384986	316483	5.53%	0.423%
78	13.404	1921	1924	1927	rBV2	438781	395655	6.91%	0.529%
79	13.574	1950	1953	1955	rBV4	117248	153574	2.68%	0.205%
80	13.657	1965	1967	1969	rBV2	119093	132822	2.32%	0.178%
81	13.680	1969	1971	1976	rVB	219041	269665	4.71%	0.361%
82	13.792	1986	1990	1993	rBV2	391618	509464	8.90%	0.681%
83	13.821	1993	1995	1997	rVV	343392	271941	4.75%	0.364%
84	13.845	1997	1999	2003	rVV2	274756	297503	5.20%	0.398%
85	14.039	2028	2032	2036	rBV2	2924058	4427361	77.36%	5.920%
86	14.074	2036	2038	2043	rVB	2031041	1723224	30.11%	2.304%
87	14.151	2048	2051	2054	rVB2	442405	437923	7.65%	0.586%
88	14.392	2090	2092	2094	rBV	131519	120991	2.11%	0.162%
89	14.433	2096	2099	2101	rVB	410146	380076	6.64%	0.508%
90	14.462	2102	2104	2107	rVB	232400	178813	3.12%	0.239%
91	14.521	2111	2114	2117	rVB2	260332	276167	4.83%	0.369%
92	14.557	2117	2120	2122	rBV	254995	280381	4.90%	0.375%
93	15.086	2206	2210	2214	rBV	1420795	2328091	40.68%	3.113%
94	15.192	2226	2228	2234	rVB	298263	326035	5.70%	0.436%
95	15.392	2259	2262	2268	rVB	864157	1063635	18.58%	1.422%
96	15.457	2269	2273	2277	rVV	1374697	1605323	28.05%	2.146%
97	15.521	2280	2284	2287	rVV	1106455	1438400	25.13%	1.923%
98	15.551	2287	2289	2295	rVB2	516045	657217	11.48%	0.879%
99	16.998	2530	2535	2544	rVB2	574656	1155737	20.19%	1.545%
100	17.445	2606	2611	2620	rVB	440648	857123	14.98%	1.146%

Sum of corrected areas: 74791375

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061824\
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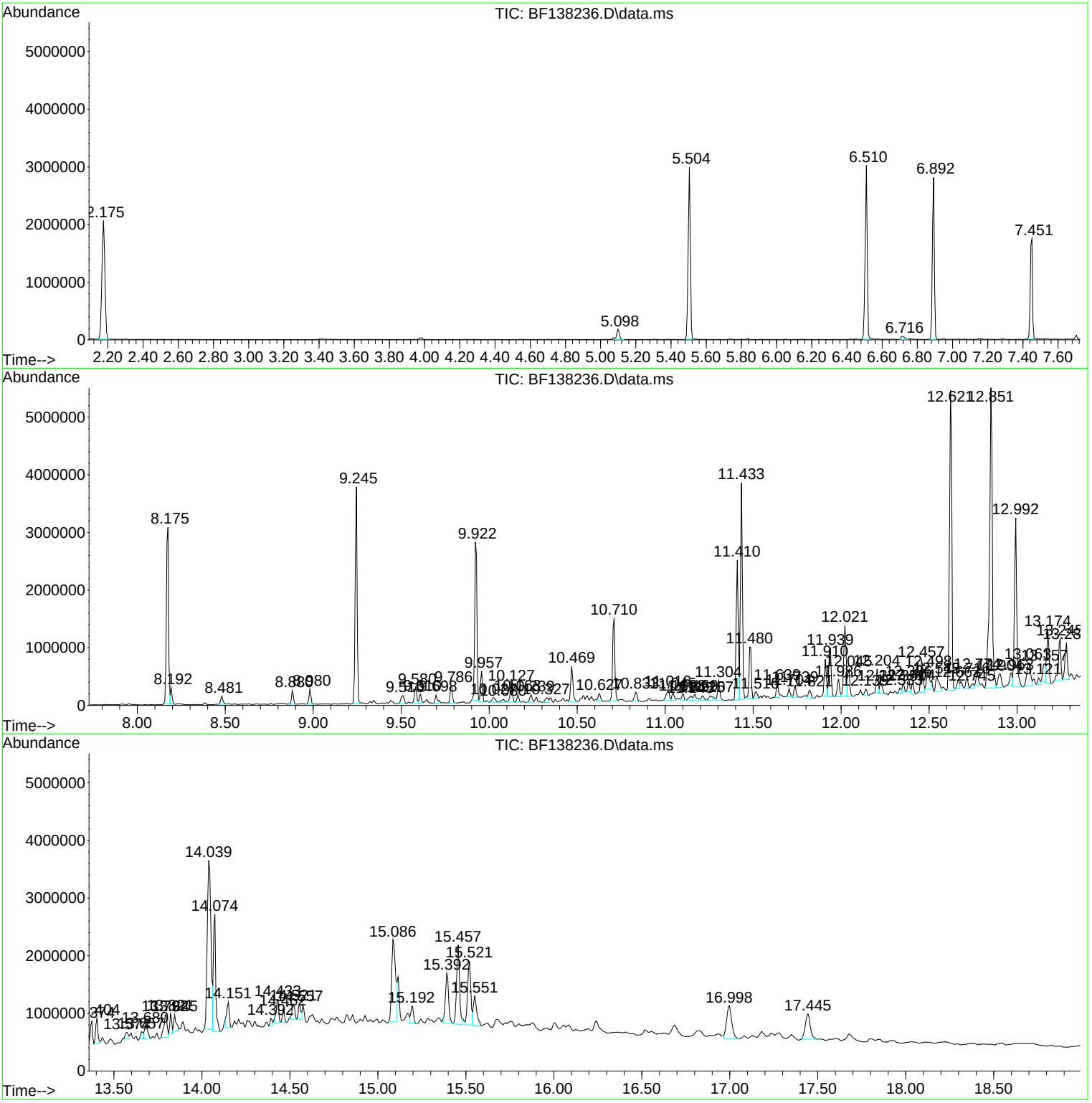
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-06132024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.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\BF061824\
Data File : BF138236.D
Acq On : 18 Jun 2024 20:59
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Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

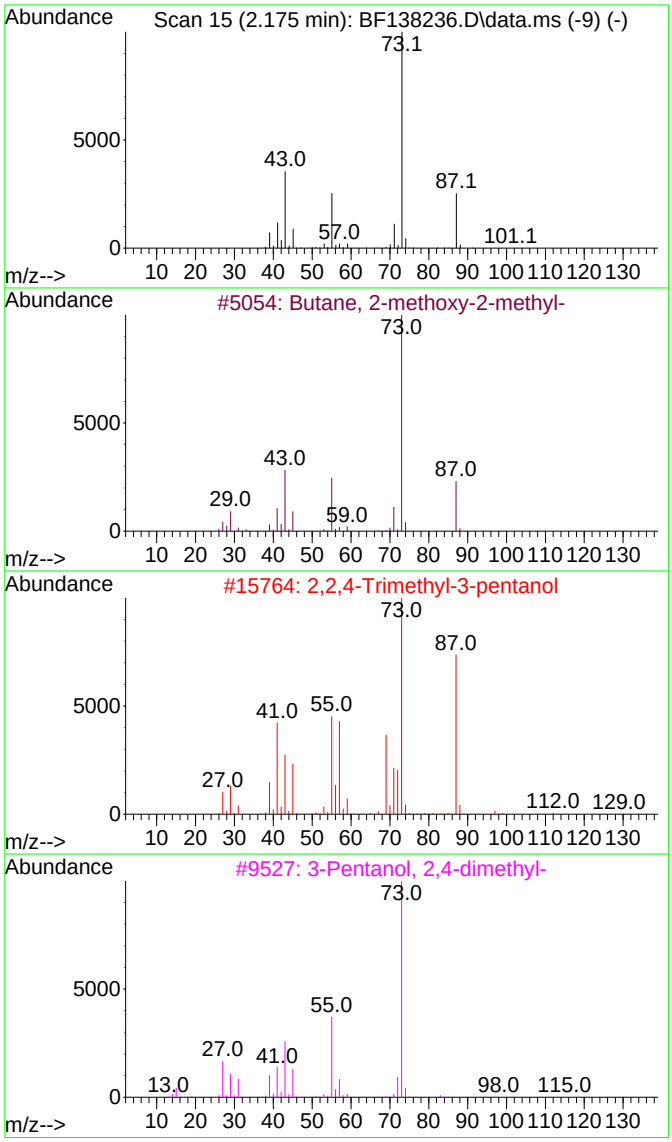
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

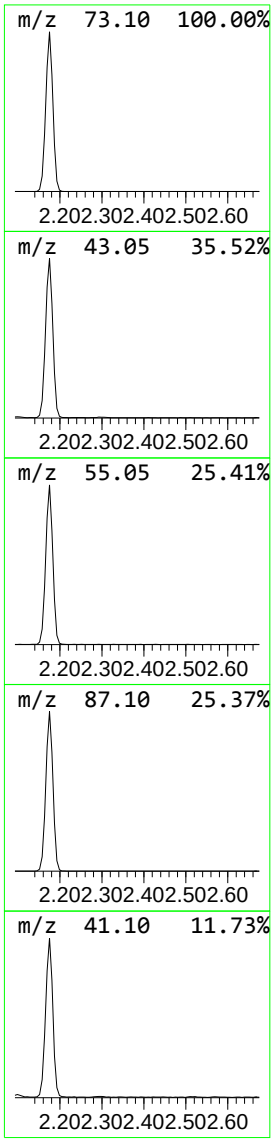
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.175	22.51 ng	2443740	1,4-Dichlorobenzene-d4	6.892

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	32
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061824\
Data File : BF138236.D
Acq On : 18 Jun 2024 20:59
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Sample : P2880-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-06132024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

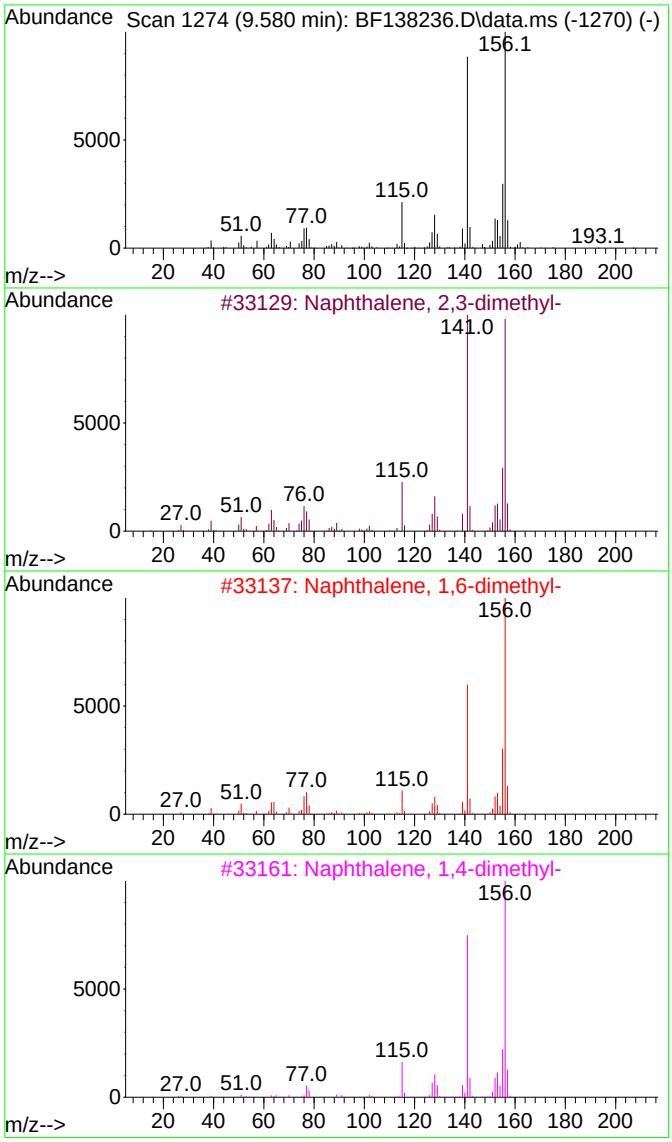
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

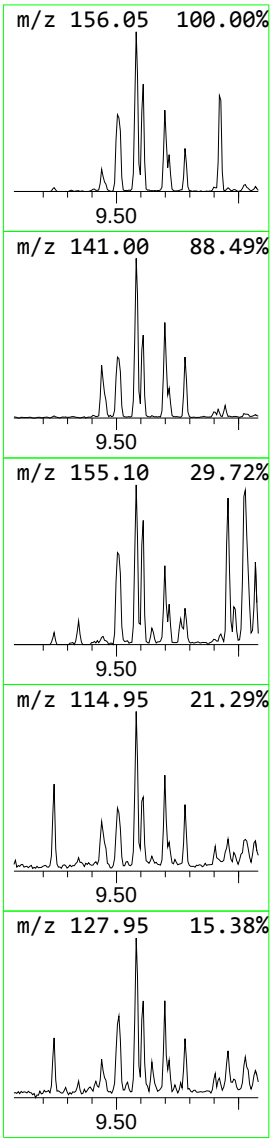
****

Peak Number 2 Naphthalene, 2,3-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.580	2.17 ng	258301	Acenaphthene-d10	9.922

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061824\
Data File : BF138236.D
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Sample : P2880-01 2X
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BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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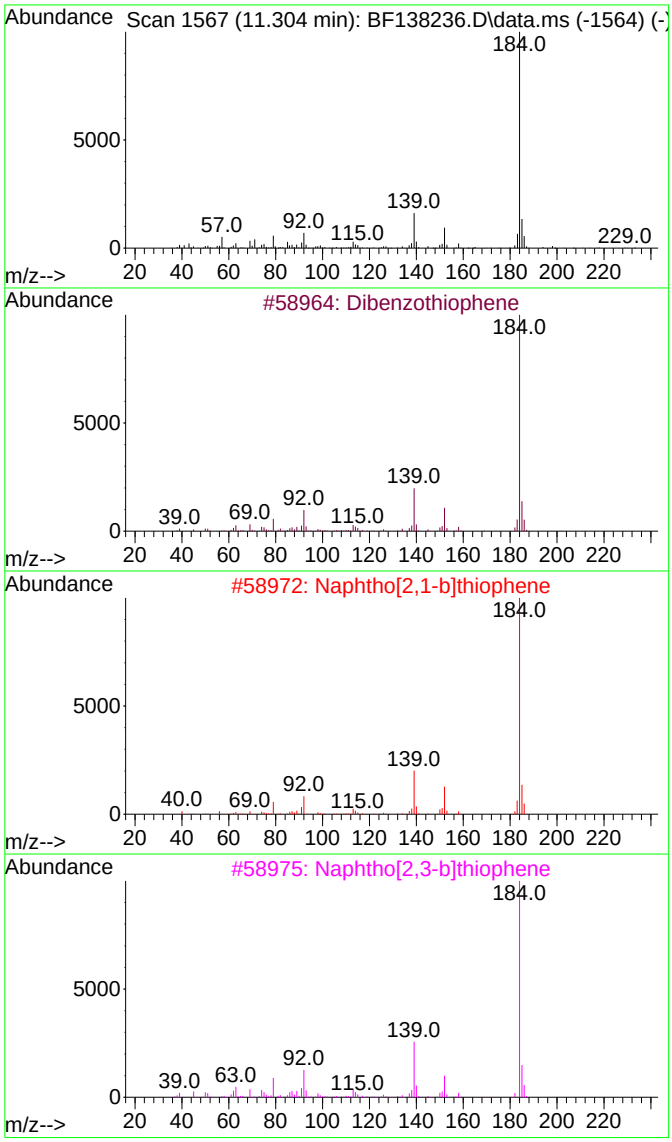
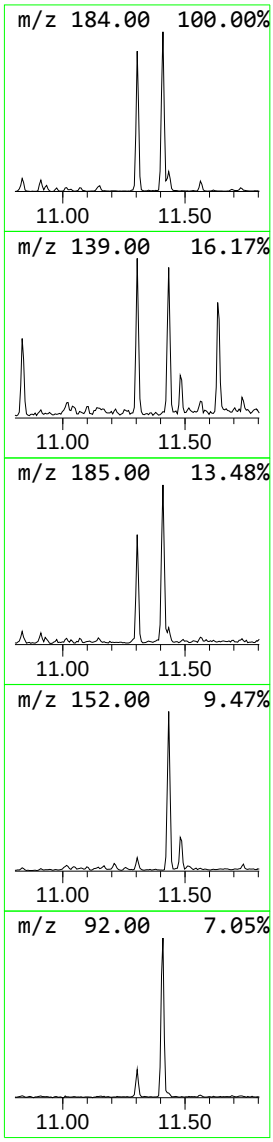
Peak Number 4 Dibenzothiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.304	2.87 ng	301464	Phenanthrene-d10	11.410

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	95
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061824\
Data File : BF138236.D
Acq On : 18 Jun 2024 20:59
Operator : CG\JU
Sample : P2880-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-06132024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

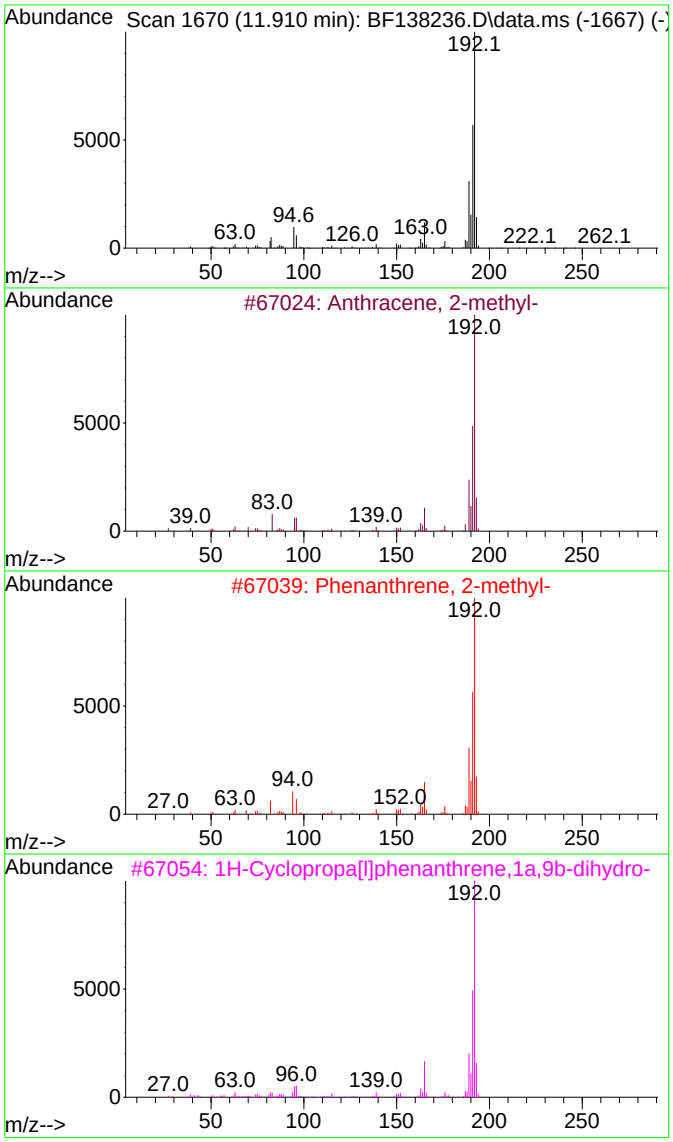
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

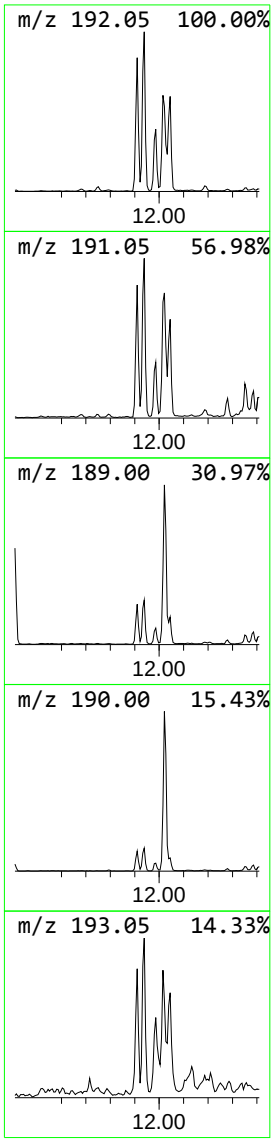
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.910	5.13 ng	539592	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061824\
Data File : BF138236.D
Acq On : 18 Jun 2024 20:59
Operator : CG\JU
Sample : P2880-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-06132024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

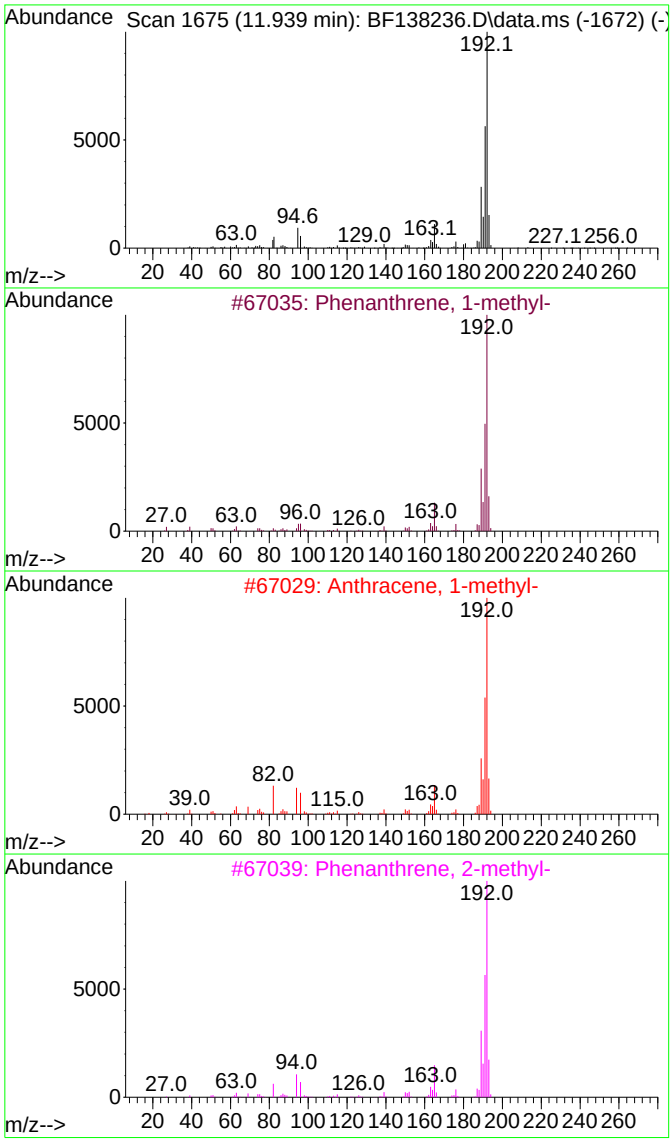
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

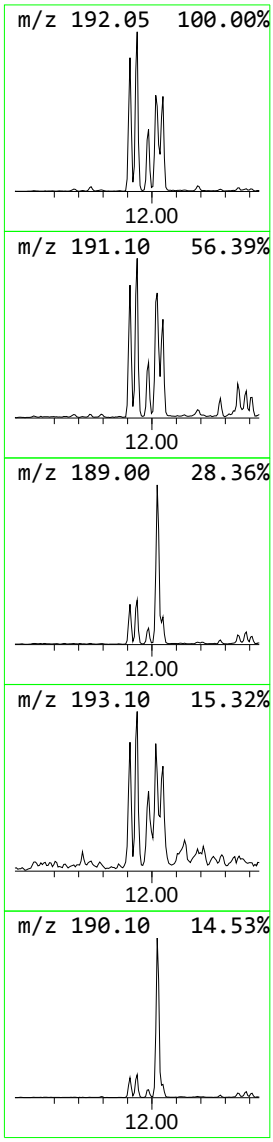
****

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.939	7.59 ng	797997	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95





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Acq On : 18 Jun 2024 20:59
Operator : CG\JU
Sample : P2880-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-03-06132024

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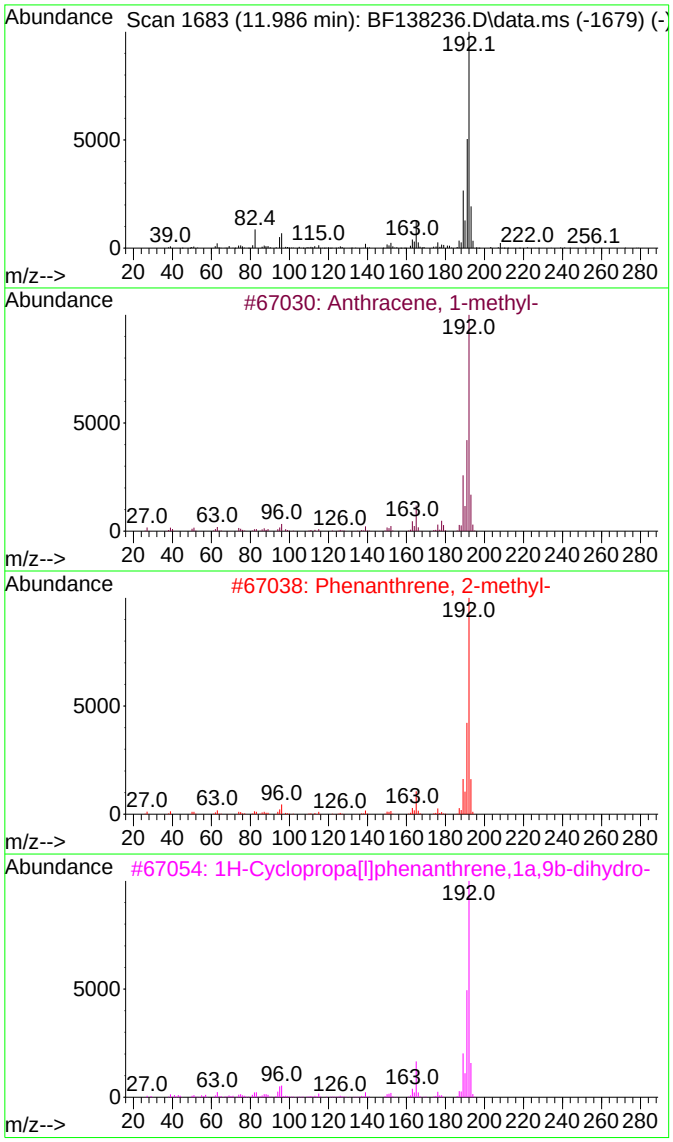
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

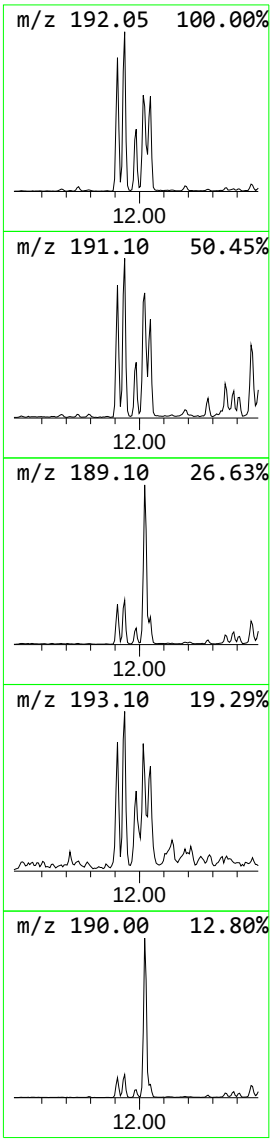
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Anthracene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.986	2.67 ng	280858	Phenanthrene-d10	11.410

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





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Sample : P2880-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-03-06132024

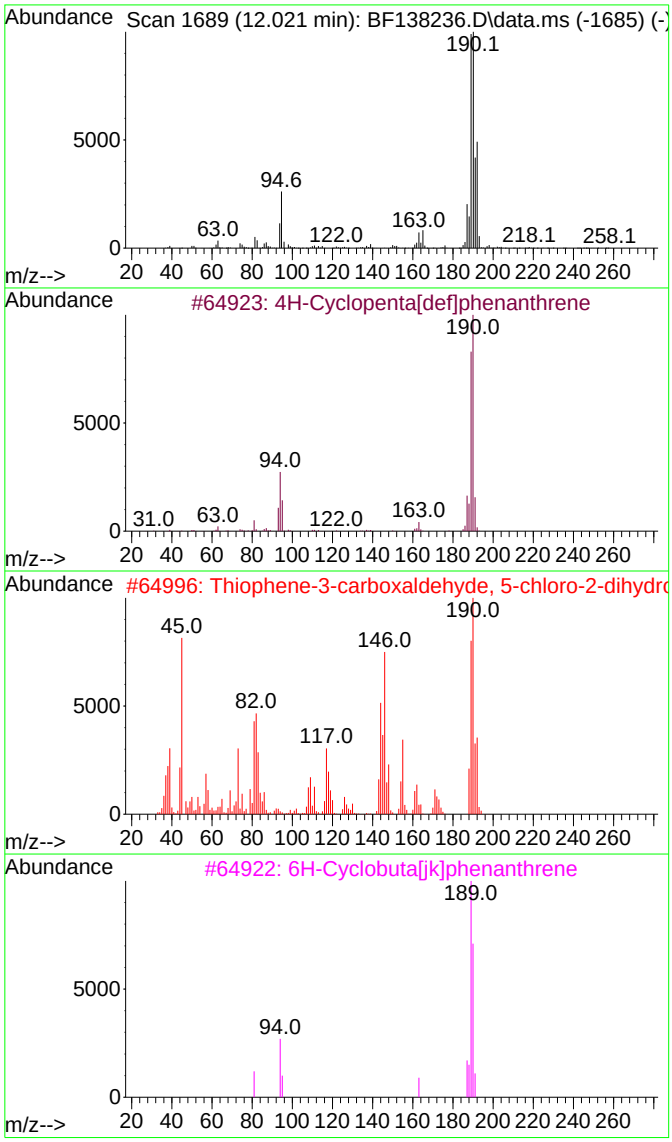
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

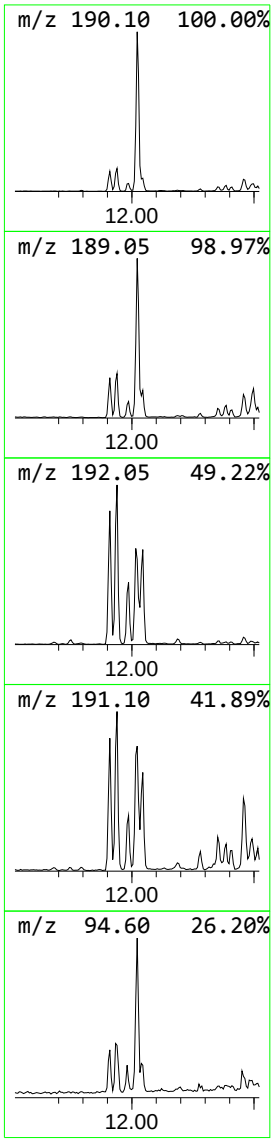
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.022	11.50 ng	1209840	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
4	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	40
5	4,6-Dichloro-2-ethylpyrimidin-5-...	191	C6H7Cl2N3	006237-96-3	38





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Sample : P2880-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-03-06132024

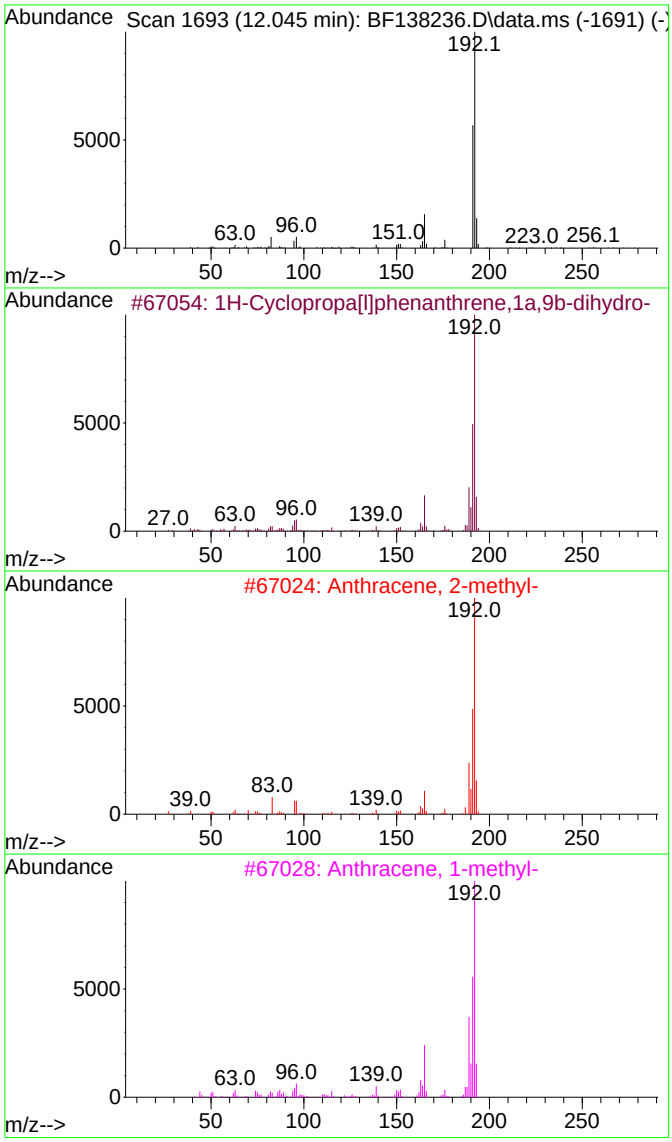
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

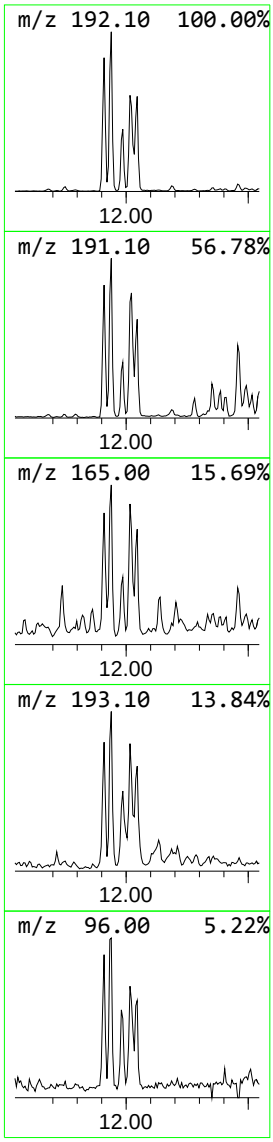
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 1H-Cyclopropa[l]phenanthren... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.045	3.59 ng	377292	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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Operator : CG\JU
Sample : P2880-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-06132024

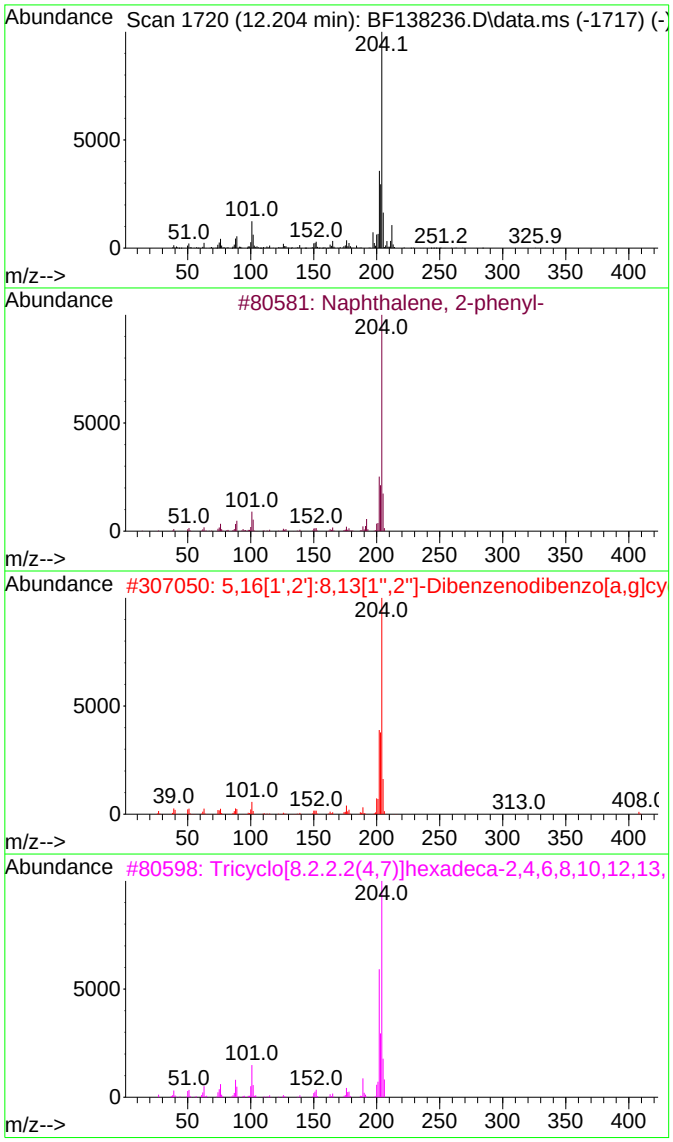
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

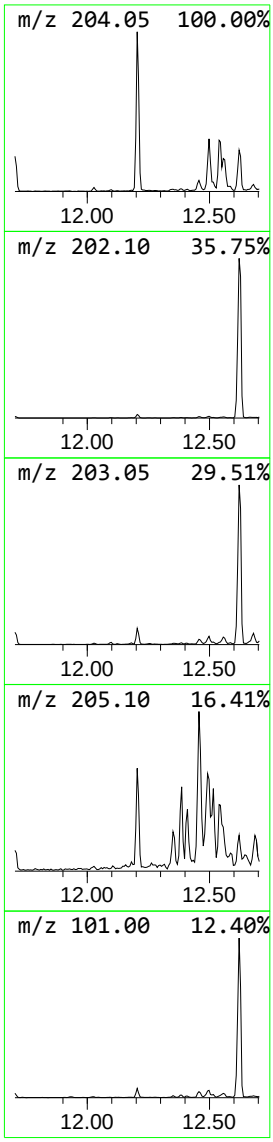
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.204	3.18 ng	334225	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	80
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	68
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	50





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Operator : CG\JU
Sample : P2880-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-03-06132024

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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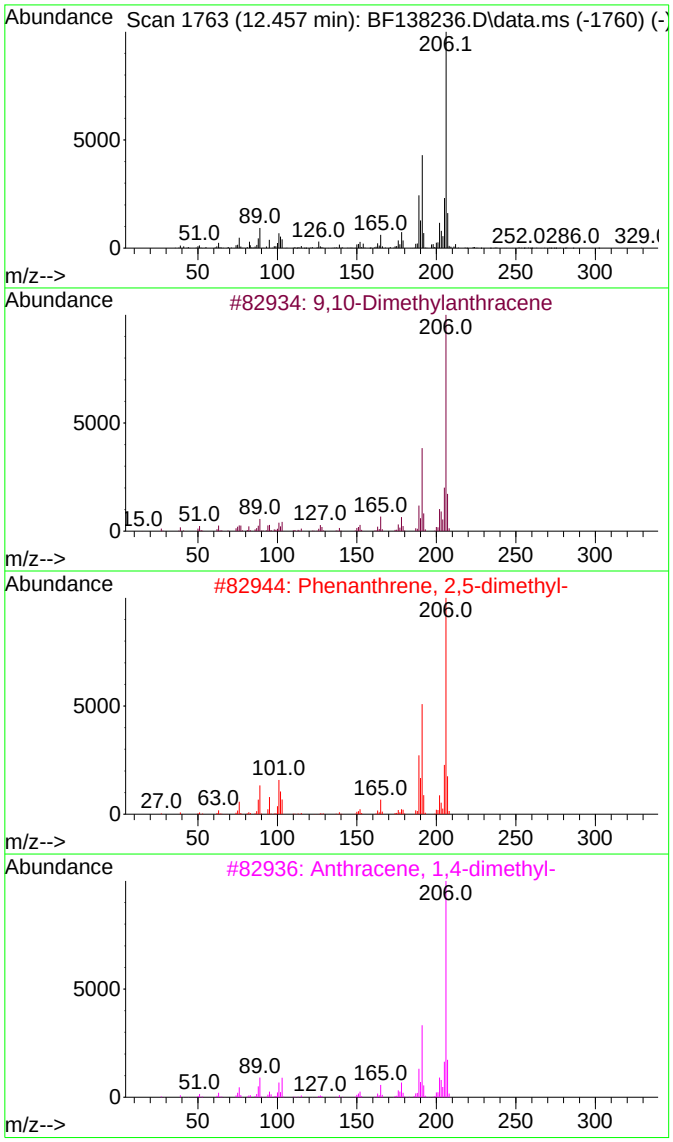
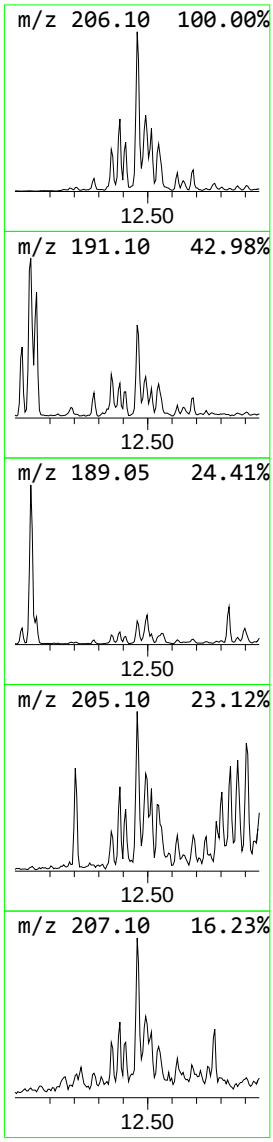
Peak Number 11 9,10-Dimethylanthracene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.457	5.30 ng	557210	Phenanthrene-d10	11.410

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	93
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91





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Sample : P2880-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

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

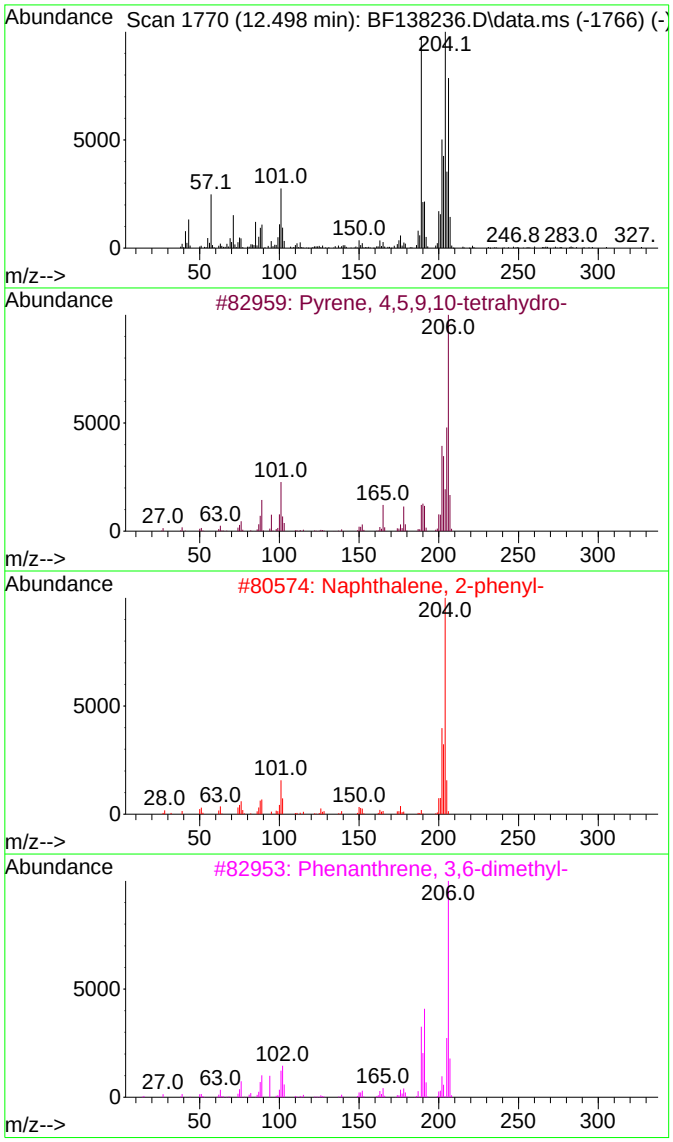
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

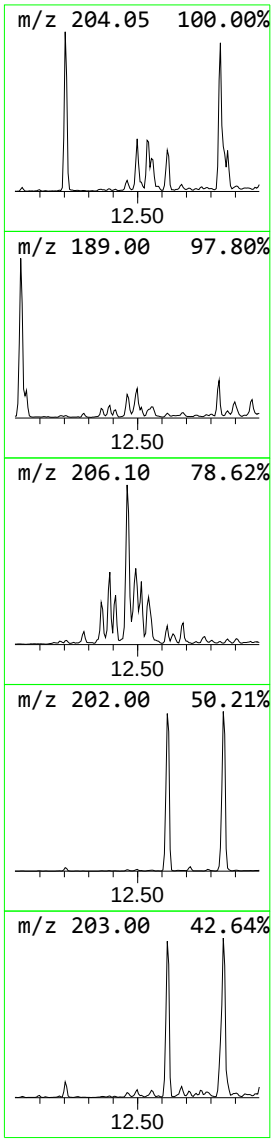
****

Peak Number 12 unknown12.498 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.498	3.99 ng	419740	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	30
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	30
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	30
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	25





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Operator : CG\JU
Sample : P2880-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

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

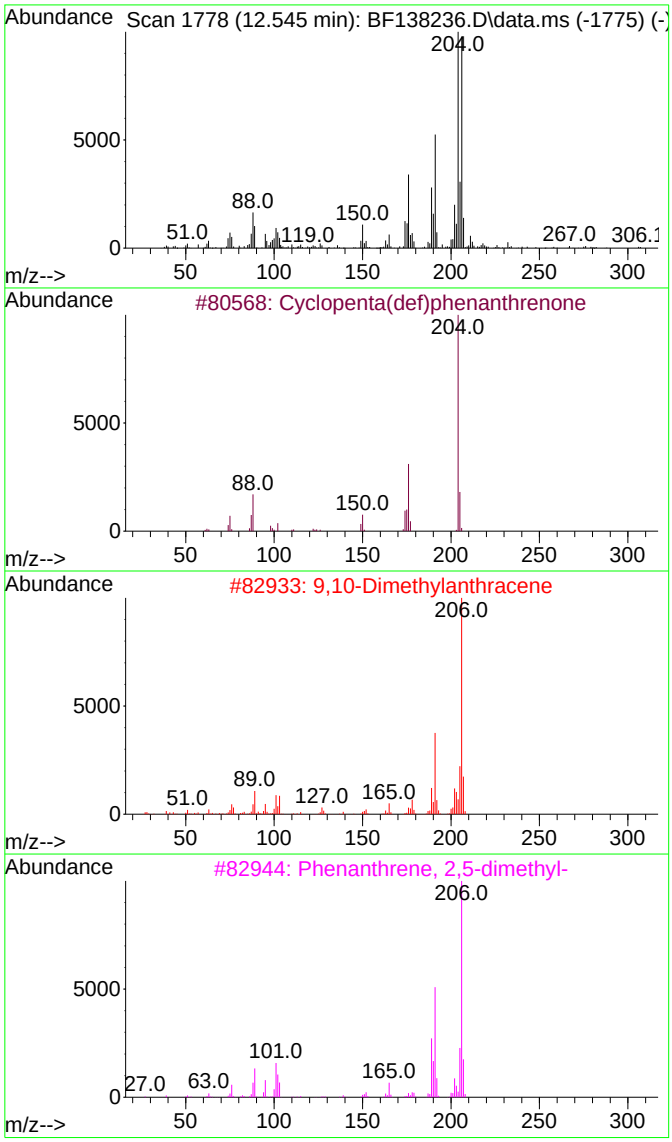
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

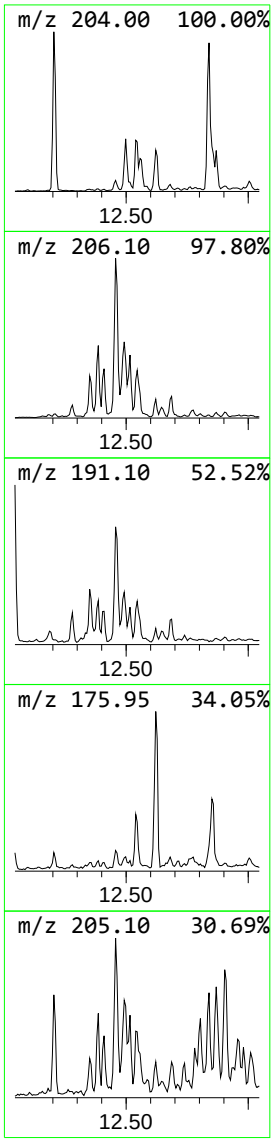
****

Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.545	3.43 ng	360803	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	74
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	70
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	70
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	64
5	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	55





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Sample : P2880-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

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

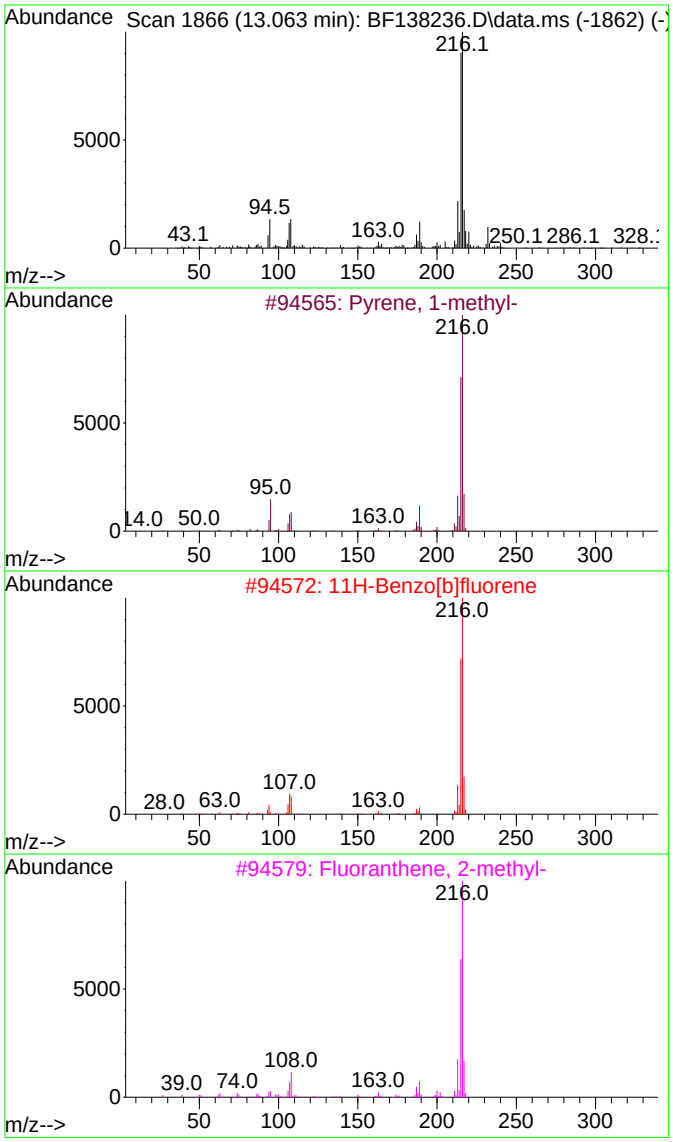
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

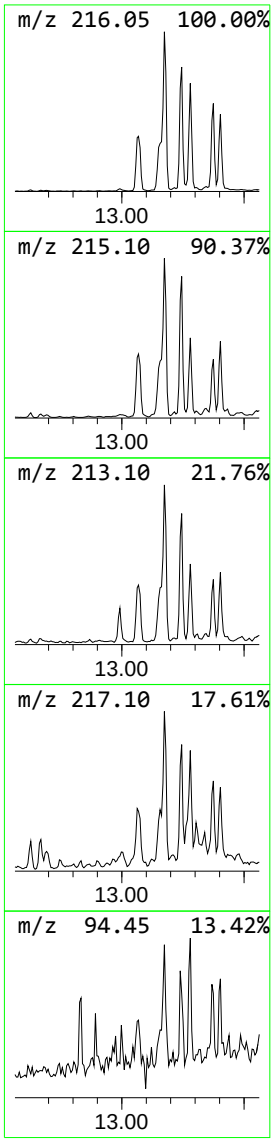
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.063	2.93 ng	647785	Chrysene-d12	14.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	92
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	90
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86





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Sample : P2880-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-03-06132024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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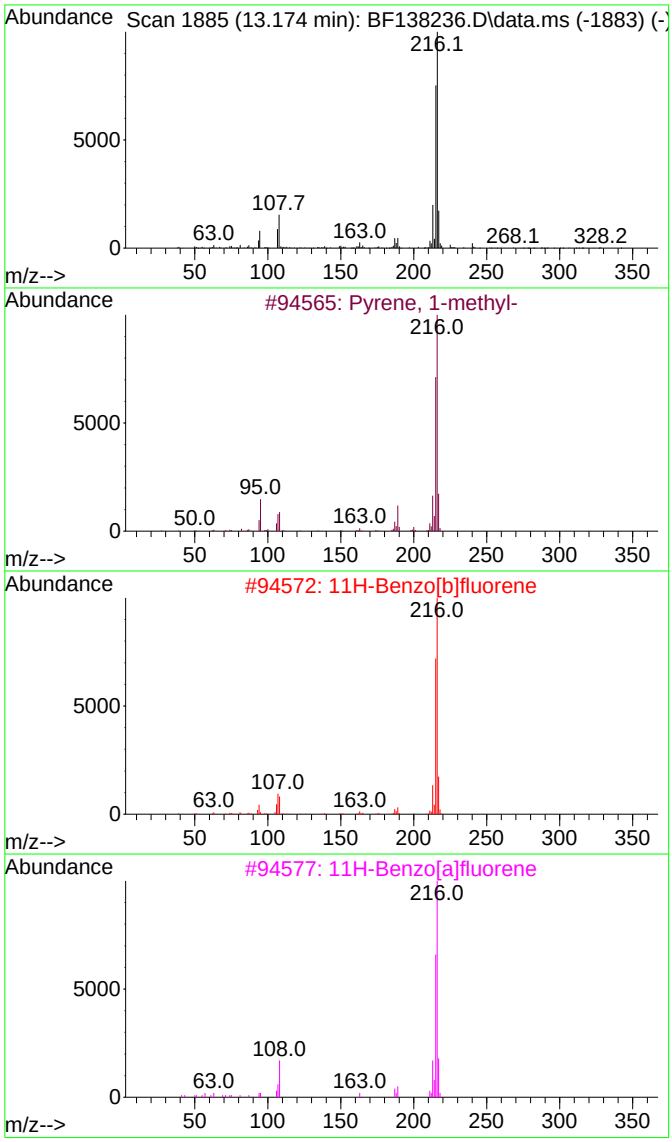
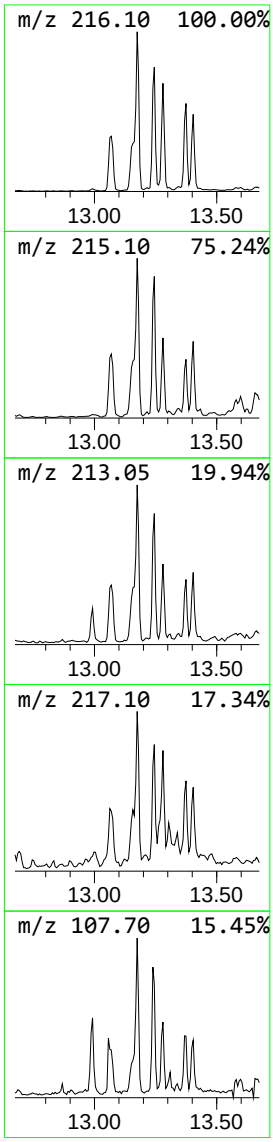
Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.174	3.51 ng	776236	Chrysene-d12	14.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	62





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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-03-06132024

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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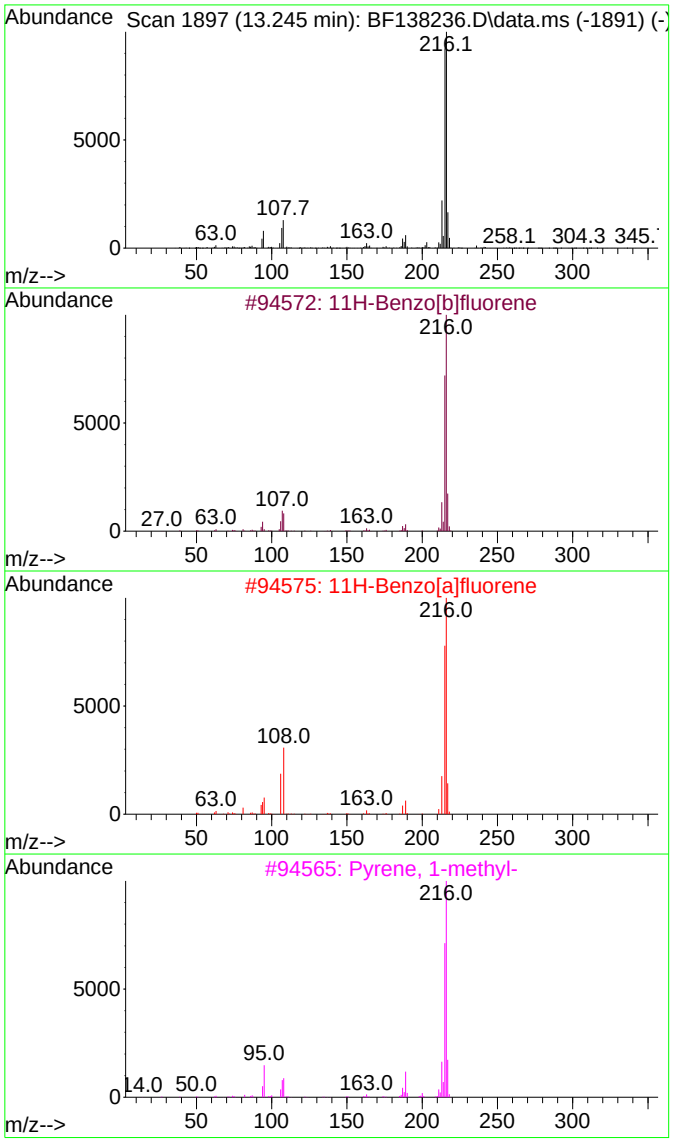
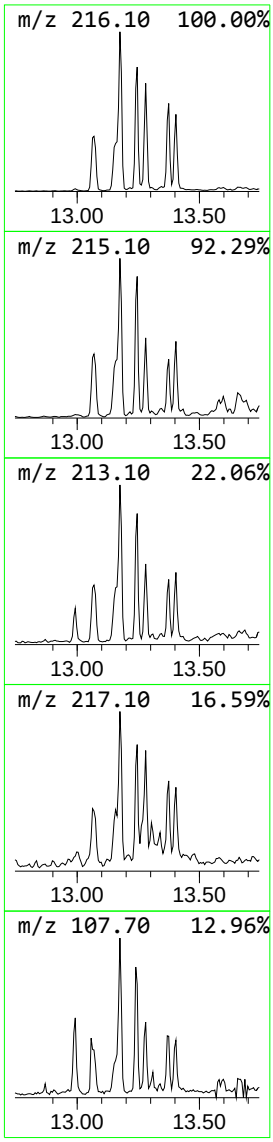
Peak Number 16 11H-Benzo[a]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.245	3.27 ng	724163	Chrysene-d12	14.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	76
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	64





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Misc :
ALS Vial : 20 Sample Multiplier: 1

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

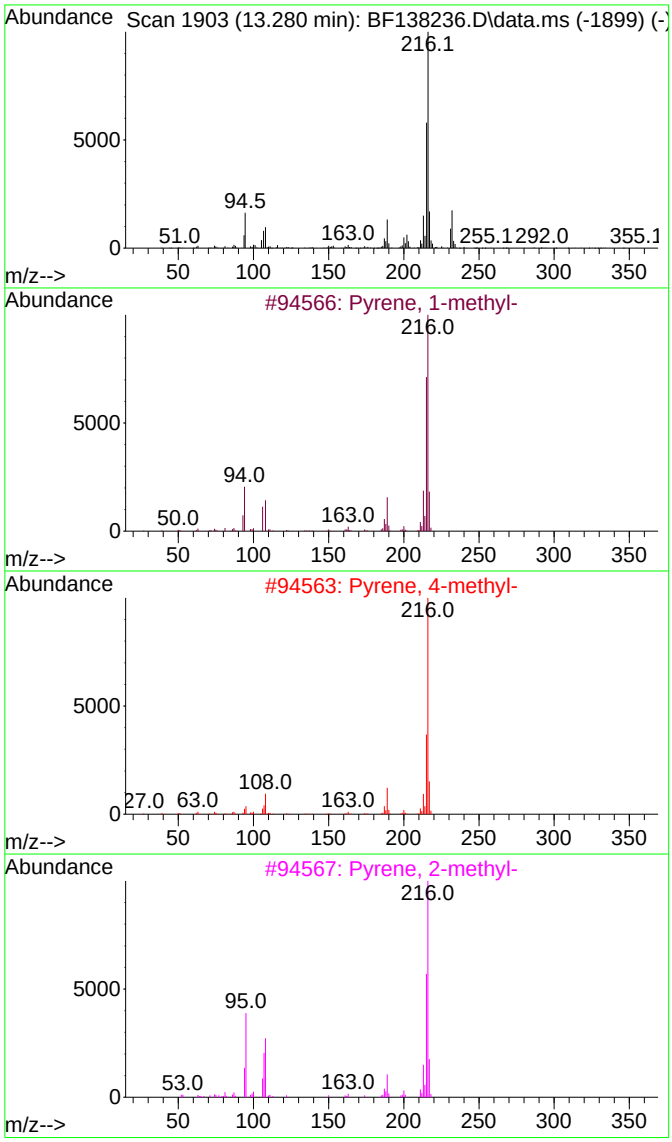
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

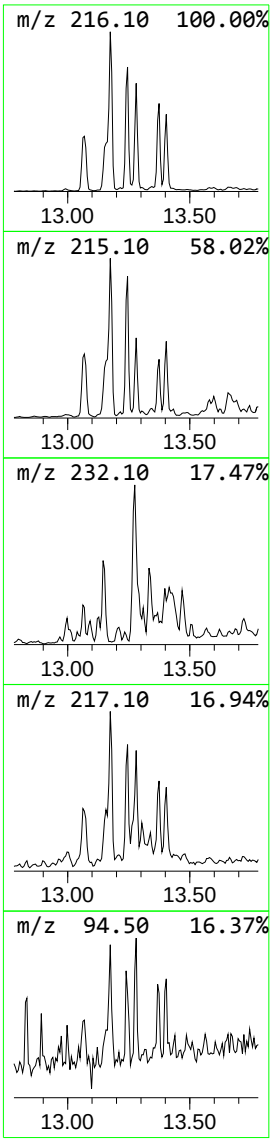
****

Peak Number 17 Pyrene, 4-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.280	2.88 ng	636655	Chrysene-d12	14.045

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	93
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81





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Sample : P2880-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-06132024

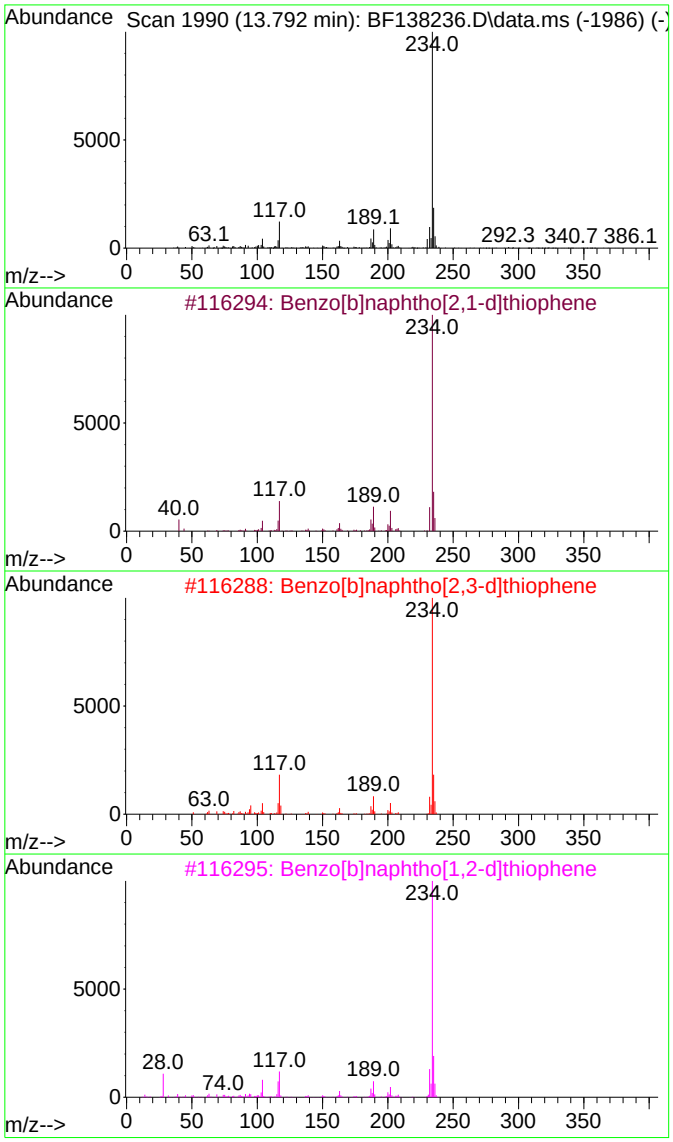
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

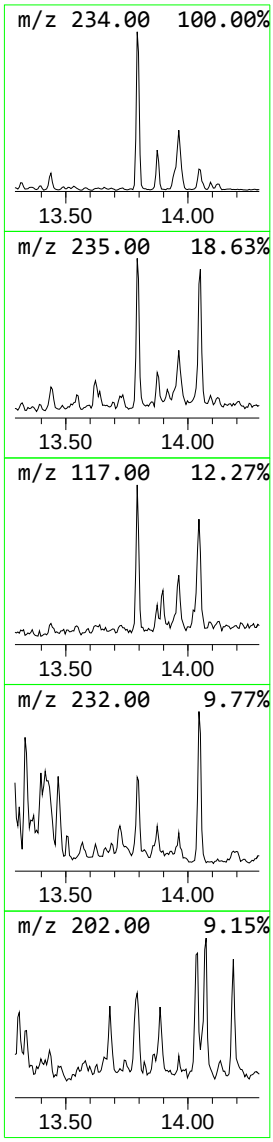
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.792	2.30 ng	509464	Chrysene-d12	14.045

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	96
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
3	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	81
4	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	72
5	pyrido[1',2':1,2]imidazo[4,5-b]q...	234	C14H10N4	1000401-06-3	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061824\
Data File : BF138236.D
Acq On : 18 Jun 2024 20:59
Operator : CG\JU
Sample : P2880-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-06132024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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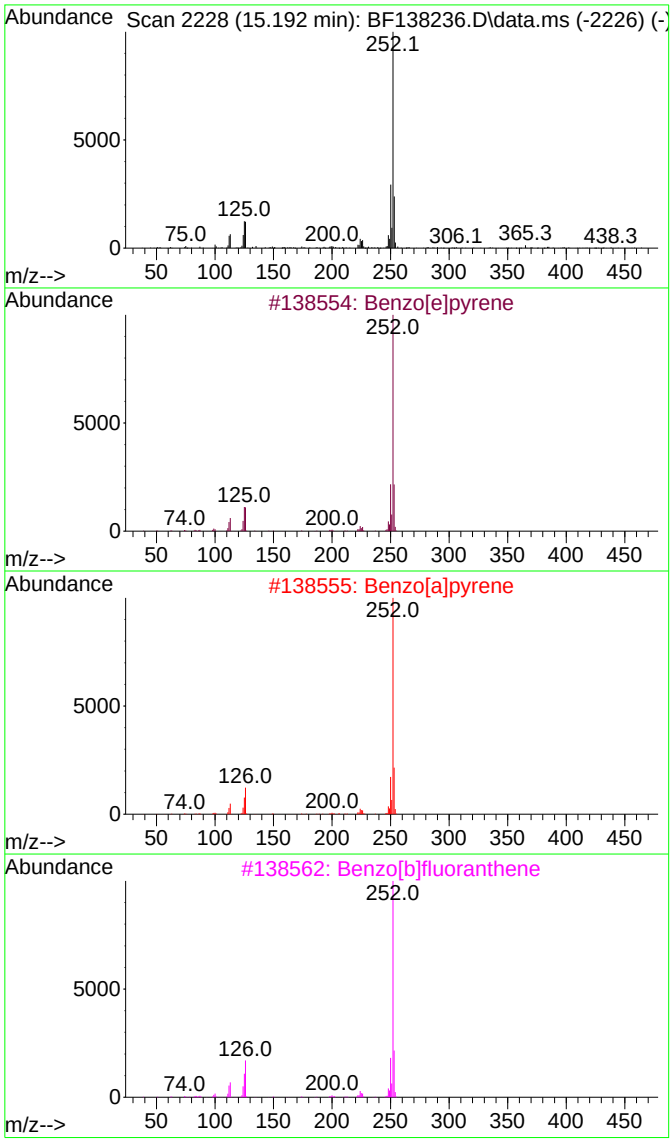
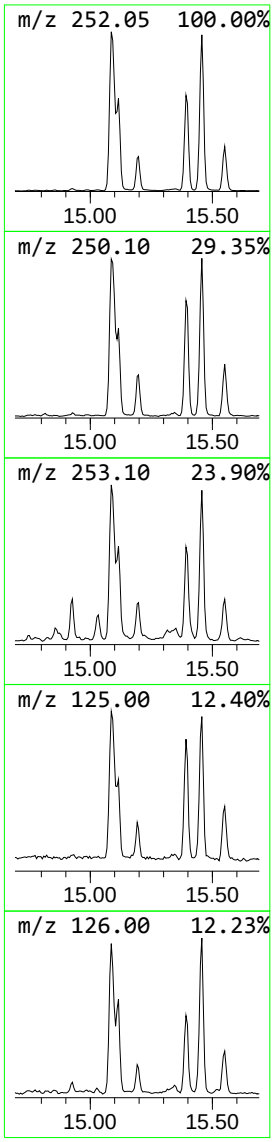
Peak Number 19 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.192	4.53 ng	326035	Perylene-d12	15.521

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	98
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	96
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061824\
Data File : BF138236.D
Acq On : 18 Jun 2024 20:59
Operator : CG\JU
Sample : P2880-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-06132024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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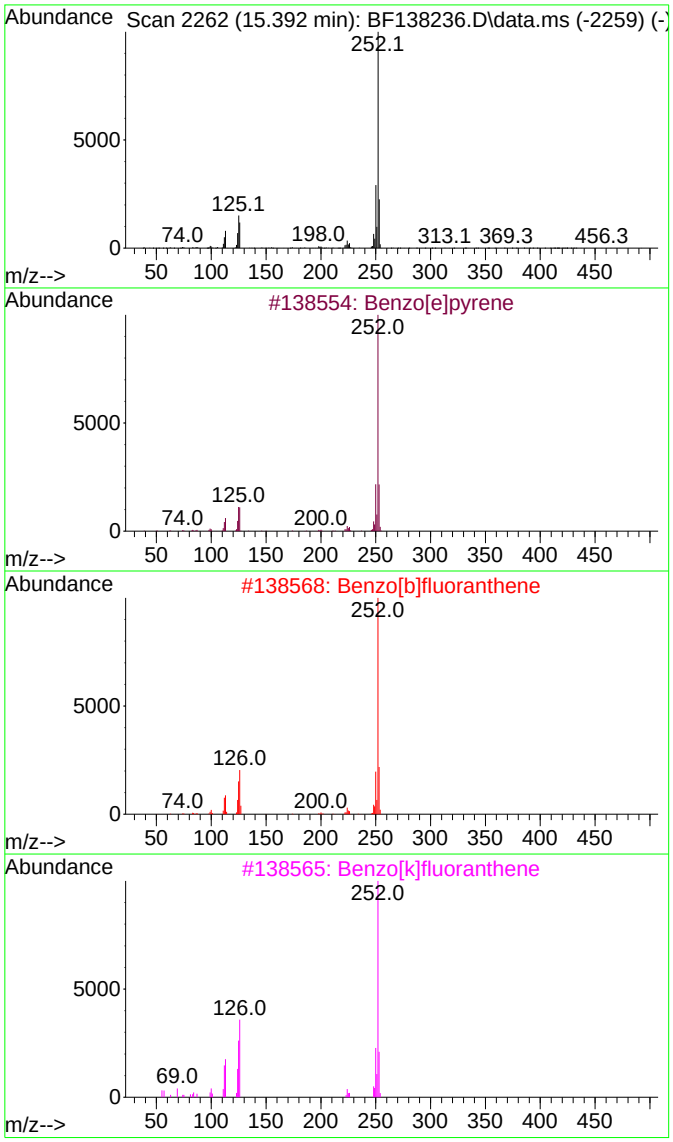
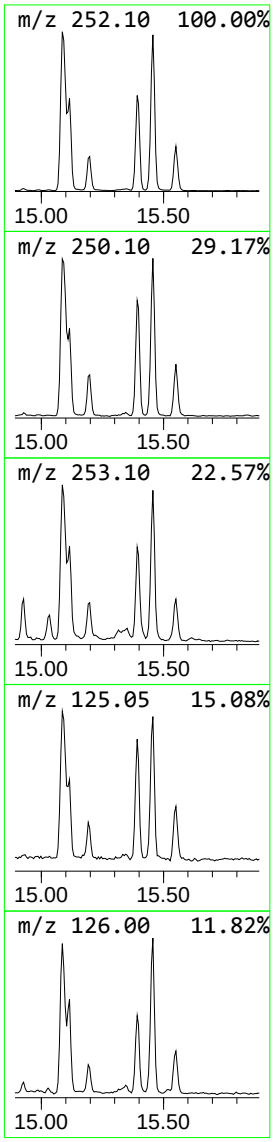
Peak Number 20 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.392	14.79 ng	1063640	Perylene-d12	15.521

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[b]fluoranthene	252	C20H12	000205-99-2	95
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	91
4	Benzo[a]pyrene	252	C20H12	000050-32-8	91
5	Perylene	252	C20H12	000198-55-0	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061824\
Data File : BF138236.D
Acq On : 18 Jun 2024 20:59
Operator : CG\JU
Sample : P2880-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-06132024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.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...	2.175	22.5	ng	2443740	1	6.892	2171060	20.0
Naphthalene, 2,...	9.580	2.2	ng	258301	3	9.922	2375420	20.0
Dibenzothiophene	11.304	2.9	ng	301464	4	11.410	2104120	20.0
Anthracene, 2-m...	11.910	5.1	ng	539592	4	11.410	2104120	20.0
Phenanthrene, 1...	11.939	7.6	ng	797997	4	11.410	2104120	20.0
Anthracene, 1-m...	11.986	2.7	ng	280858	4	11.410	2104120	20.0
4H-Cyclopenta[d...	12.022	11.5	ng	1209840	4	11.410	2104120	20.0
1H-Cyclopropa[l...	12.045	3.6	ng	377292	4	11.410	2104120	20.0
Naphthalene, 2-...	12.204	3.2	ng	334225	4	11.410	2104120	20.0
9,10-Dimethylan...	12.457	5.3	ng	557210	4	11.410	2104120	20.0
unknown12.498	12.498	4.0	ng	419740	4	11.410	2104120	20.0
Cyclopenta(def)...	12.545	3.4	ng	360803	4	11.410	2104120	20.0
Pyrene, 1-methyl-	13.063	2.9	ng	647785	5	14.045	4427360	20.0
11H-Benzo[b]flu...	13.174	3.5	ng	776236	5	14.045	4427360	20.0
11H-Benzo[a]flu...	13.245	3.3	ng	724163	5	14.045	4427360	20.0
Pyrene, 4-methyl-	13.280	2.9	ng	636655	5	14.045	4427360	20.0
Benzo[b]naphtho...	13.792	2.3	ng	509464	5	14.045	4427360	20.0
Benzo[e]pyrene	15.192	4.5	ng	326035	6	15.521	1438400	20.0
Perylene	15.392	14.8	ng	1063640	6	15.521	1438400	20.0