LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101821\
Data File : BF125876.D
Acq On : 18 Oct 2021 14:37
Operator : JU/CG
Sample : M4252-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MH-CB-(1)

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: BF125876.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.440	565	570	573	rBV	3031713	2703833	88.91%	9.131%
2	6.451	737	742	745	rBV	2671509	2671250	87.84%	9.021%
3	6.822	802	805	808	rBV	1184466	892415	29.34%	3.014%
4	7.381	895	900	903	rBV	1952526	1708493	56.18%	5.770%
5	8.004	1003	1006	1014	rBV	239132	185701	6.11%	0.627%
6	8.104	1019	1023	1026	rBV	1532165	1237422	40.69%	4.179%
7	9.175	1201	1205	1209	rBV	3419143	3041160	100.00%	10.270%
8	9.716	1293	1297	1300	rBV	67226	52841	1.74%	0.178%
9	9.857	1317	1321	1324	rBV	1508331	1336443	43.95%	4.513%
10	10.398	1410	1413	1420	rVB2	45179	45625	1.50%	0.154%
11	10.639	1450	1454	1457	rBV	2154694	1767158	58.11%	5.968%
12	10.763	1472	1475	1479	rBV3	32986	33080	1.09%	0.112%
13	10.951	1497	1507	1509	rBV4	28611	42972	1.41%	0.145%
14	11.233	1553	1555	1560	rVB	48911	40009	1.32%	0.135%
15	11.339	1569	1573	1575	rBV	1266322	1226881	40.34%	4.143%
16	11.357	1575	1576	1580	rVV	614875	472764	15.55%	1.597%
17	11.410	1580	1585	1588	rVB	109107	97769	3.21%	0.330%
18	11.669	1625	1629	1634	rVB	56346	56216	1.85%	0.190%
19	11.839	1652	1658	1660	rBV	165640	170783	5.62%	0.577%
20	11.863	1660	1662	1666	rVV	316272	271229	8.92%	0.916%
21	11.910	1666	1670	1673	rVV2	49619	57388	1.89%	0.194%
22	11.945	1673	1676	1679	rVV2	207016	225102	7.40%	0.760%
23	11.969	1679	1680	1685	rVB	123894	90722	2.98%	0.306%
24	12.133	1705	1708	1710	rBV	99026	86156	2.83%	0.291%
25	12.157	1710	1712	1716	rVB2	61199	58951	1.94%	0.199%
26	12.280	1731	1733	1736	rVB2	41326	32848	1.08%	0.111%
27	12.316	1736	1739	1741	rBV	53684	50009	1.64%	0.169%
28	12.386	1745	1751	1754	rBV	147475	151239	4.97%	0.511%
29	12.422	1754	1757	1759	rVV2	68499	80399	2.64%	0.272%
30	12.469	1763	1765	1770	rBV2	78605	83613	2.75%	0.282%
31	12.545	1775	1778	1782	rVB	955753	792044	26.04%	2.675%
32	12.645	1792	1795	1797	rBV	61988	60955	2.00%	0.206%
33	12.698	1802	1804	1808	rVV2	49352	46443	1.53%	0.157%
34	12.774	1811	1817	1820	rBV	919204	859096	28.25%	2.901%
35	12.833	1823	1827	1830	rVB2	51024	75982	2.50%	0.257%
36	12.892	1830	1837	1838	rBV	55145	64469	2.12%	0.218%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101821\
Data File : BF125876.D
Acq On : 18 Oct 2021 14:37
Operator : JU/CG
Sample : M4252-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MH-CB-(1)

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	12.921	1838	1842	1845	rVV	1978203	1850585	60.85%	6.249%
38	12.992	1849	1854	1858	rBV3	92403	143532	4.72%	0.485%
39	13.080	1866	1869	1870	rBV2	73201	74828	2.46%	0.253%
40	13.104	1870	1873	1876	rVB	124916	125850	4.14%	0.425%
41	13.169	1876	1884	1887	rBV2	80845	112280	3.69%	0.379%
42	13.204	1887	1890	1893	rBV2	129353	128809	4.24%	0.435%
43	13.298	1903	1906	1909	rVV	87269	69764	2.29%	0.236%
44	13.327	1909	1911	1915	rVB	88889	77145	2.54%	0.261%
45	13.410	1921	1925	1929	rBV6	22215	33247	1.09%	0.112%
46	13.504	1938	1941	1947	rVB6	27974	52167	1.72%	0.176%
47	13.604	1951	1958	1963	rVV	102445	125130	4.11%	0.423%
48	13.716	1972	1977	1981	rBV2	99928	155098	5.10%	0.524%
49	13.751	1981	1983	1985	rVV	73970	67407	2.22%	0.228%
50	13.768	1985	1986	1990	rVV2	57755	73460	2.42%	0.248%
51	13.816	1990	1994	2004	rVB4	166925	225392	7.41%	0.761%
52	13.968	2015	2020	2023	rBV2	1157376	1416959	46.59%	4.785%
53	13.998	2023	2025	2030	rVB	420938	379965	12.49%	1.283%
54	14.057	2030	2035	2037	rBV5	45366	49914	1.64%	0.169%
55	14.110	2042	2044	2046	rBV	34316	33593	1.10%	0.113%
56	14.192	2055	2058	2061	rBV3	32411	42513	1.40%	0.144%
57	14.357	2081	2086	2089	rVV2	115439	122518	4.03%	0.414%
58	14.392	2089	2092	2095	rVB	76270	66739	2.19%	0.225%
59	14.451	2099	2102	2104	rVV2	64573	76754	2.52%	0.259%
60	14.480	2104	2107	2109	rVV	82332	82978	2.73%	0.280%
61	14.504	2109	2111	2114	rVV3	49044	50059	1.65%	0.169%
62	14.551	2114	2119	2125	rVB4	41255	73299	2.41%	0.248%
63	14.739	2148	2151	2155	rBV3	35989	50034	1.65%	0.169%
64	14.774	2155	2157	2161	rVB2	36099	33666	1.11%	0.114%
65	14.821	2161	2165	2167	rBV3	67941	78838	2.59%	0.266%
66	14.910	2177	2180	2183	rVB3	38080	36088	1.19%	0.122%
67	14.998	2190	2195	2198	rBV	381888	557791	18.34%	1.884%
68	15.104	2210	2213	2217	rVB	83366	82607	2.72%	0.279%
69	15.298	2241	2246	2252	rVB	216004	277888	9.14%	0.938%
70	15.357	2252	2256	2261	rBV	326579	378381	12.44%	1.278%
71	15.421	2262	2267	2270	rVV	775769	959613	31.55%	3.241%
72	15.445	2270	2271	2278	rVB2	100225	125642	4.13%	0.424%
73	15.768	2324	2326	2334	rVB	24597	35267	1.16%	0.119%
74	15.886	2343	2346	2350	rBV4	32937	49497	1.63%	0.167%
75	16.851	2504	2510	2517	rVB2	94734	190631	6.27%	0.644%
76	17.280	2576	2583	2595	rVB2	82014	176778	5.81%	0.597%

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Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH-CB-(1)

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

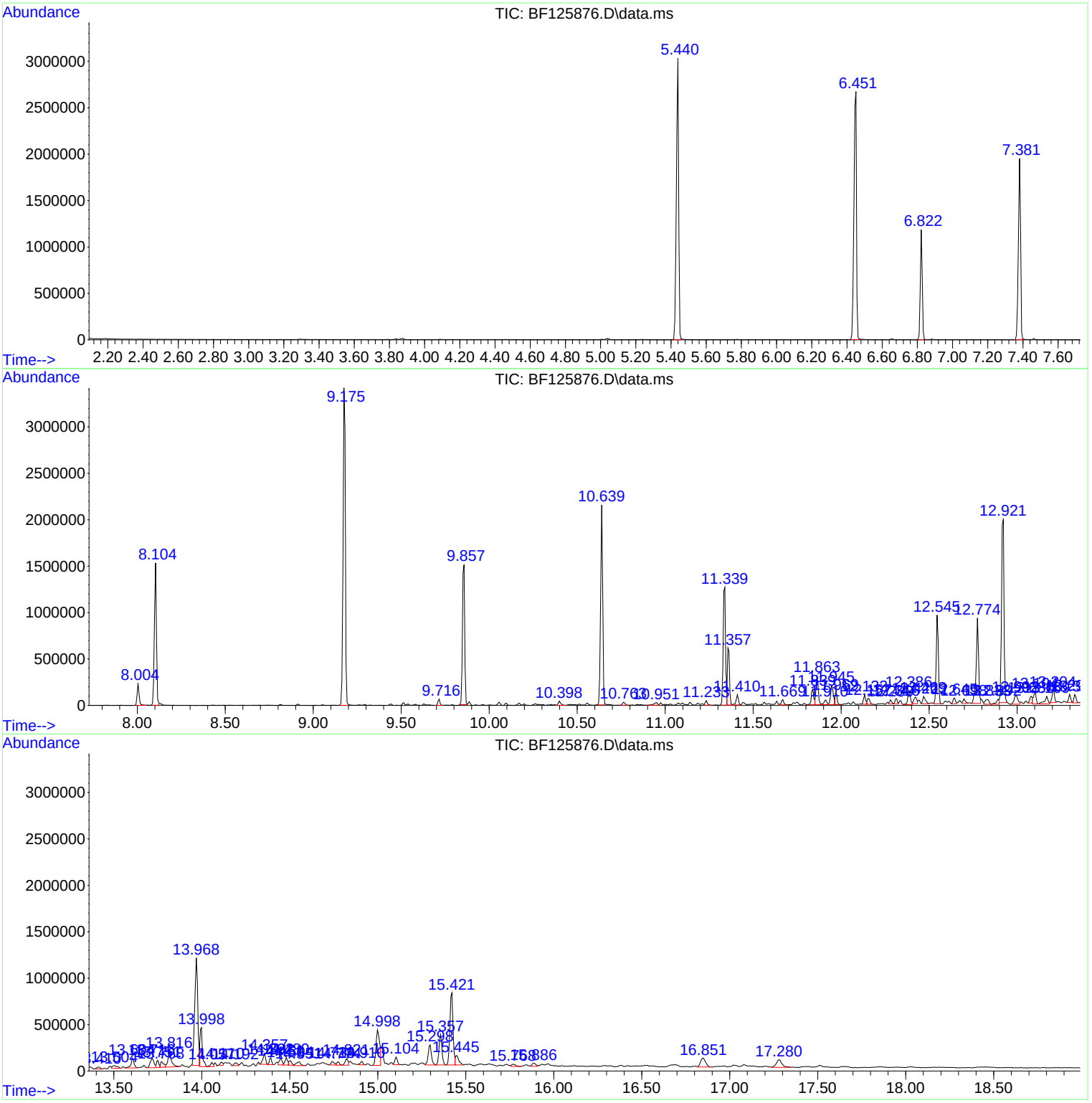
Sum of corrected areas: 29612166

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101821\
Data File : BF125876.D
Acq On : 18 Oct 2021 14:37
Operator : JU/CG
Sample : M4252-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH-CB-(1)

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\BF101821\
Data File : BF125876.D
Acq On : 18 Oct 2021 14:37
Operator : JU/CG
Sample : M4252-10
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Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

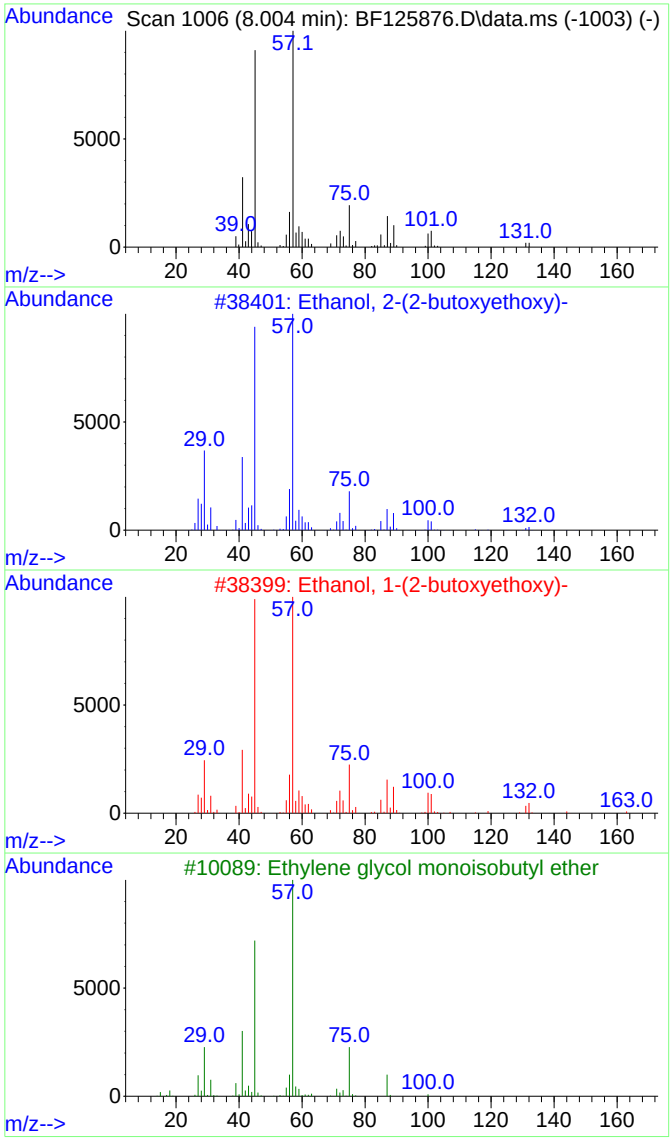
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

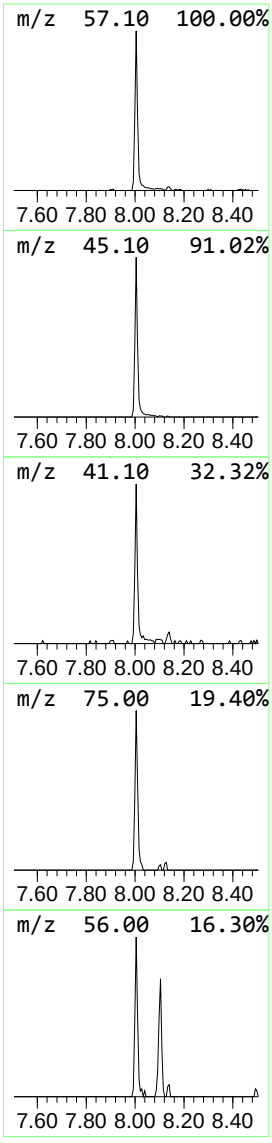
****

Peak Number 1 Ethanol, 2-(2-butoxyethoxy)- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.004	3.00 ng	185701	Naphthalene-d8	8.104

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	83
3	Ethylene glycol monoisobutyl ether	118	C6H14O2	004439-24-1	64
4	Ethanol, 2-[2-(2-methylpropoxy)e...	162	C8H18O3	018912-80-6	56
5	Methoxyacetic acid, 2-butyl ester	146	C7H14O3	070159-90-9	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101821\
Data File : BF125876.D
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Sample : M4252-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MH-CB-(1)

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

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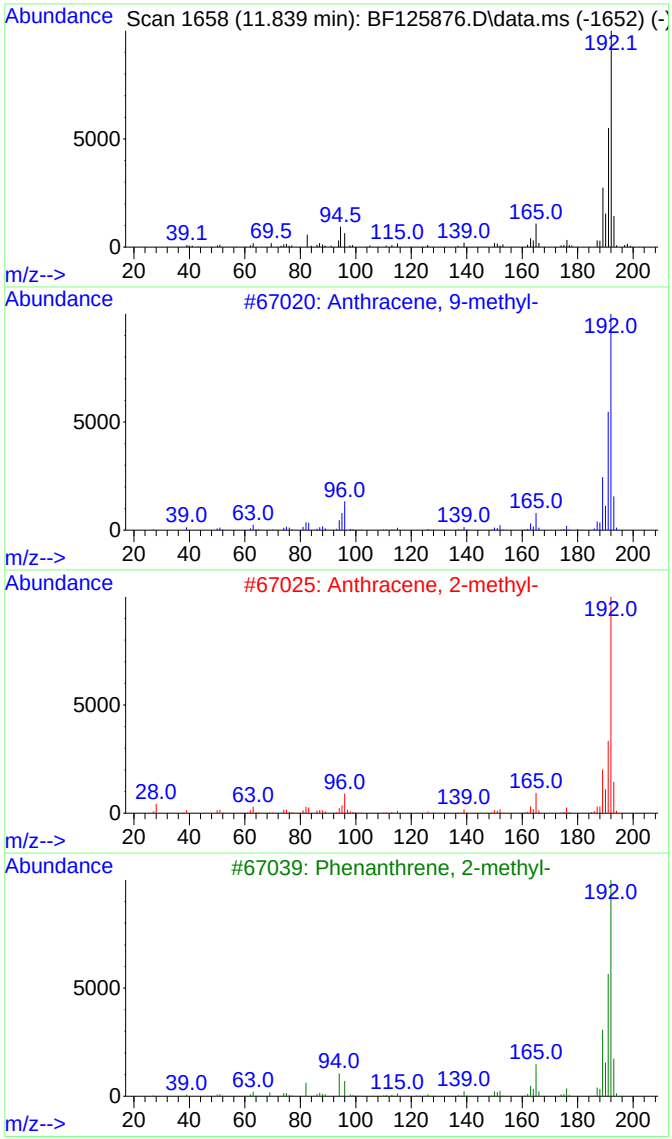
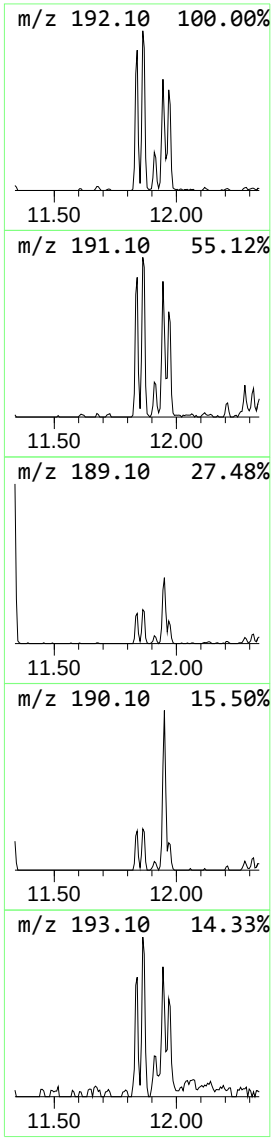
Peak Number 2 Anthracene, 9-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.839	2.78 ng	170783	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	92
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101821\
Data File : BF125876.D
Acq On : 18 Oct 2021 14:37
Operator : JU/CG
Sample : M4252-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH-CB-(1)

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

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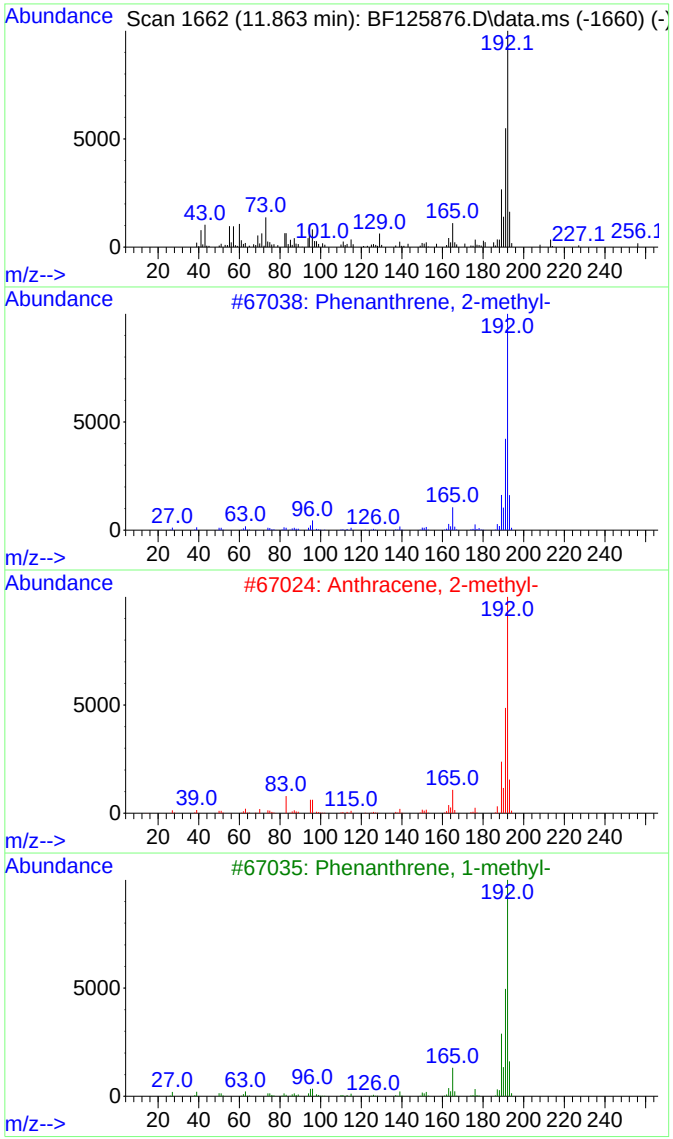
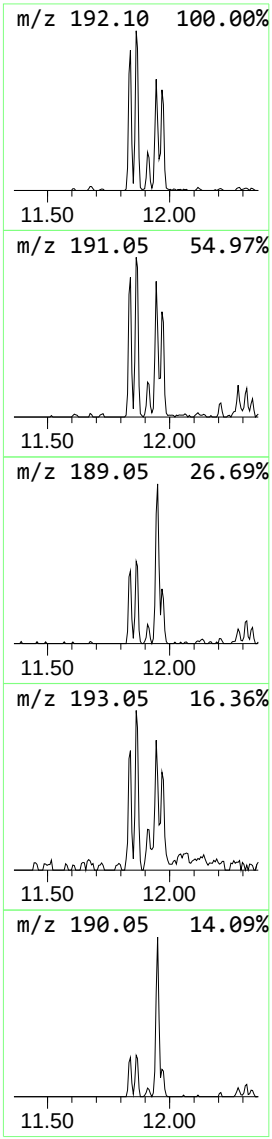
Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.863	4.42 ng	271229	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





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ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH-CB-(1)

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

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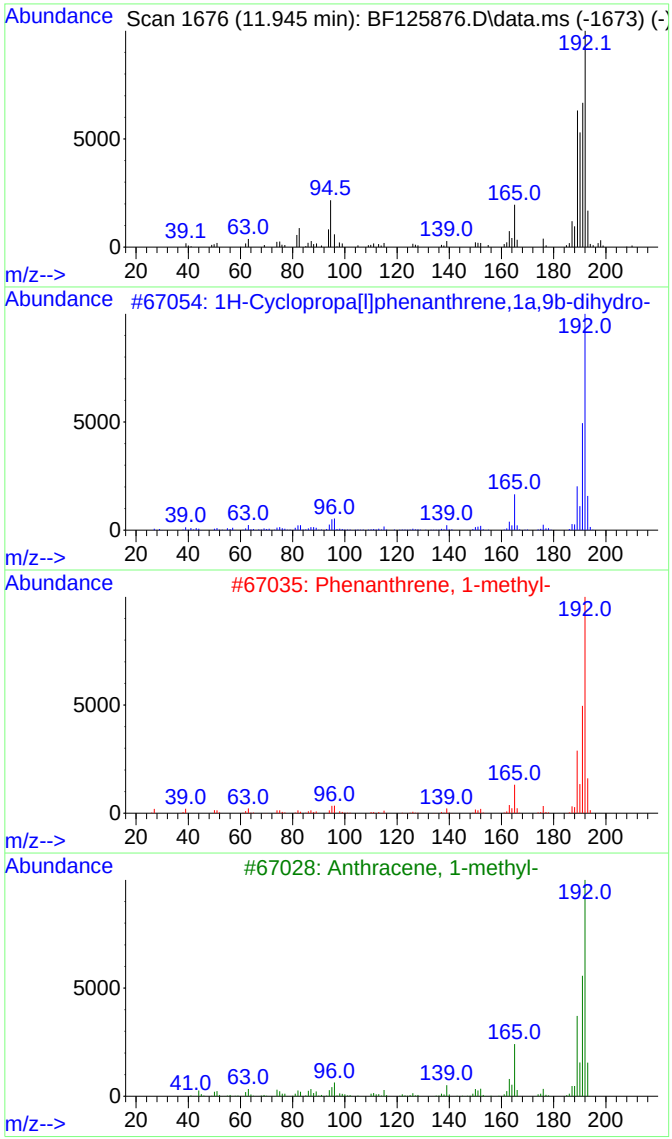
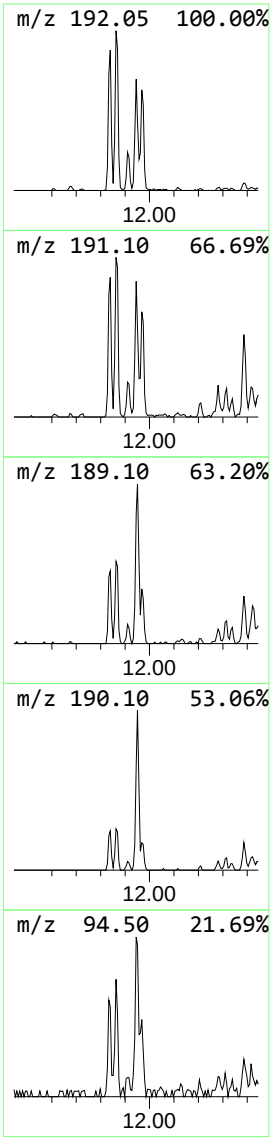
Peak Number 4 1H-Cyclopropa[l]phenanthren... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.945	3.67 ng	225102	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	70
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	64
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	60





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Operator : JU/CG
Sample : M4252-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MH-CB-(1)

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

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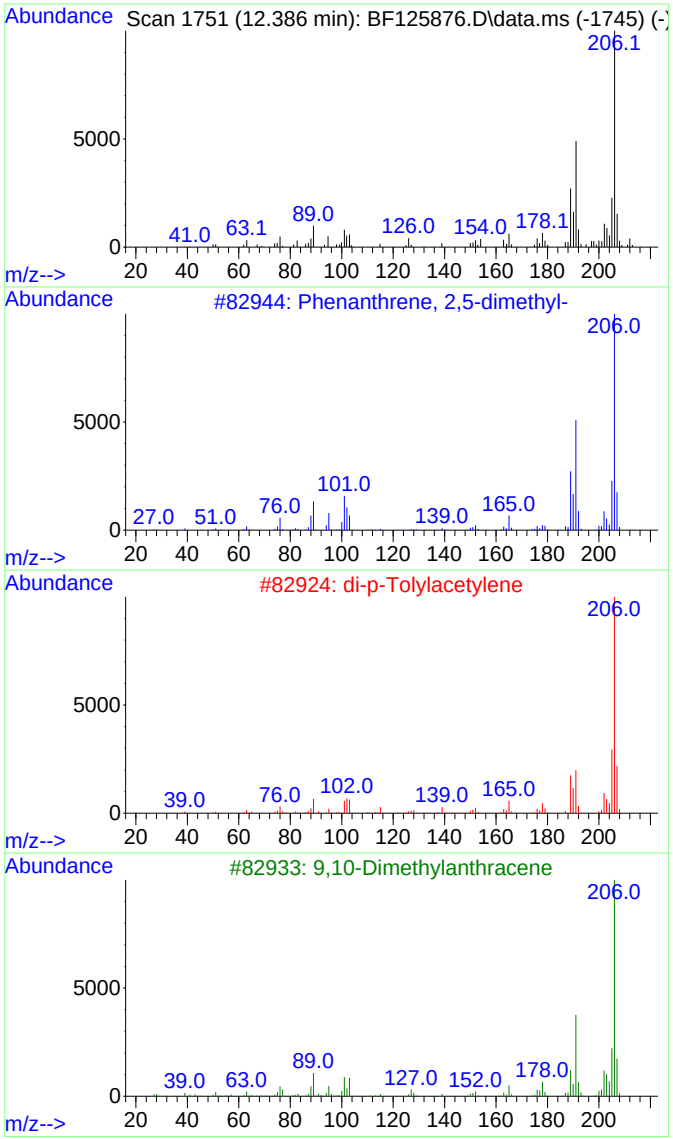
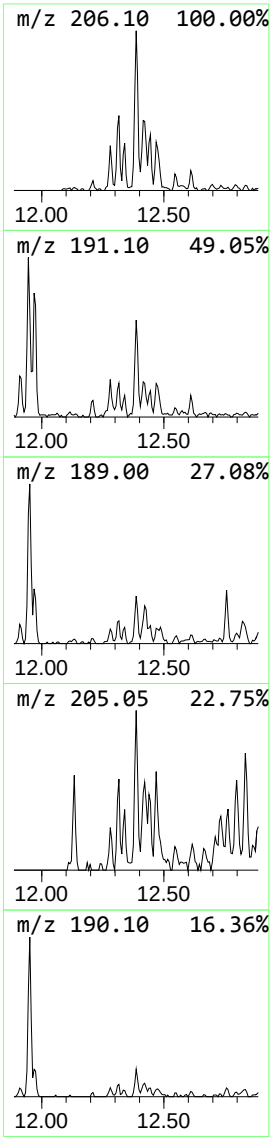
Peak Number 5 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.386	2.47 ng	151239	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	96
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
4	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	93
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	87





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Acq On : 18 Oct 2021 14:37
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Sample : M4252-10
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ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH-CB-(1)

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

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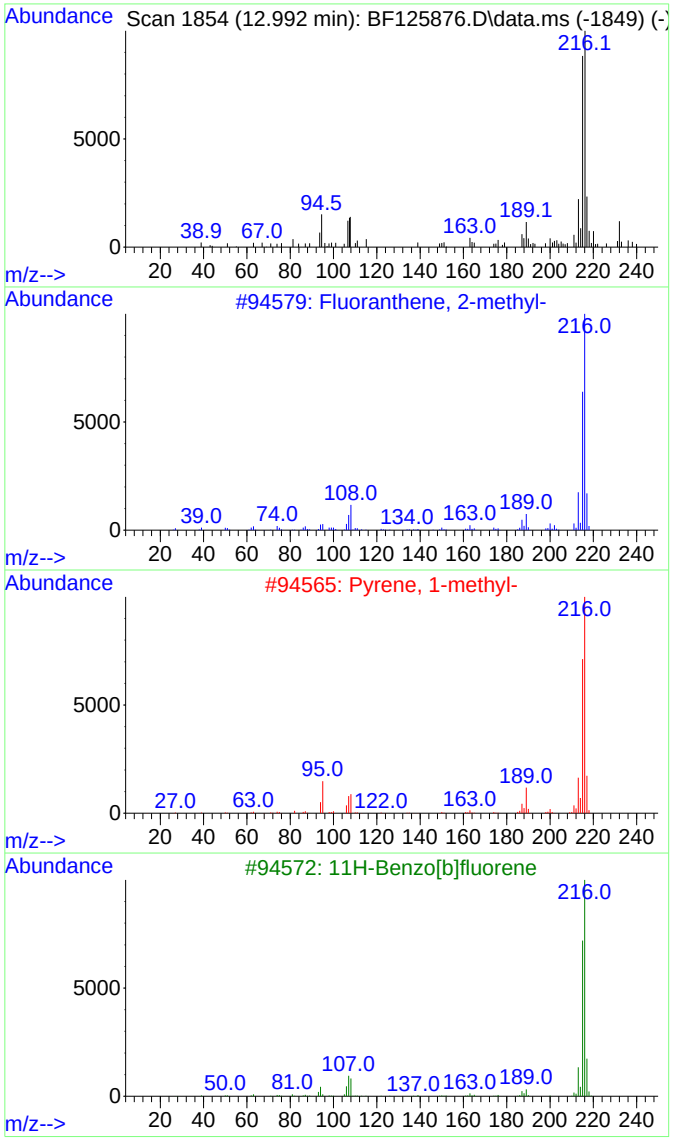
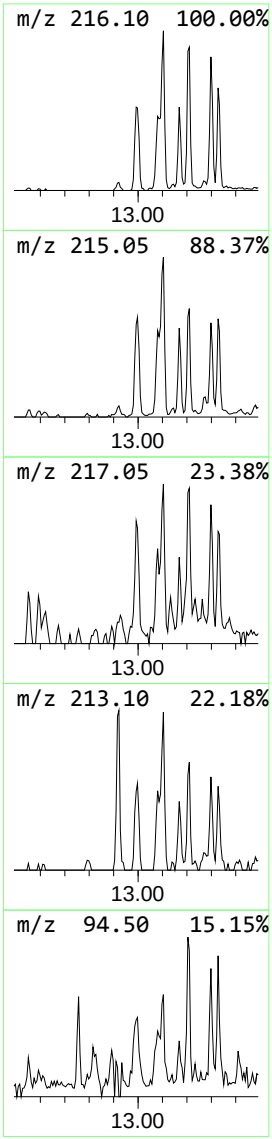
Peak Number 6 Fluoranthene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.992	2.03 ng	143532	Chrysene-d12	13.969

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101821\
Data File : BF125876.D
Acq On : 18 Oct 2021 14:37
Operator : JU/CG
Sample : M4252-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH-CB-(1)

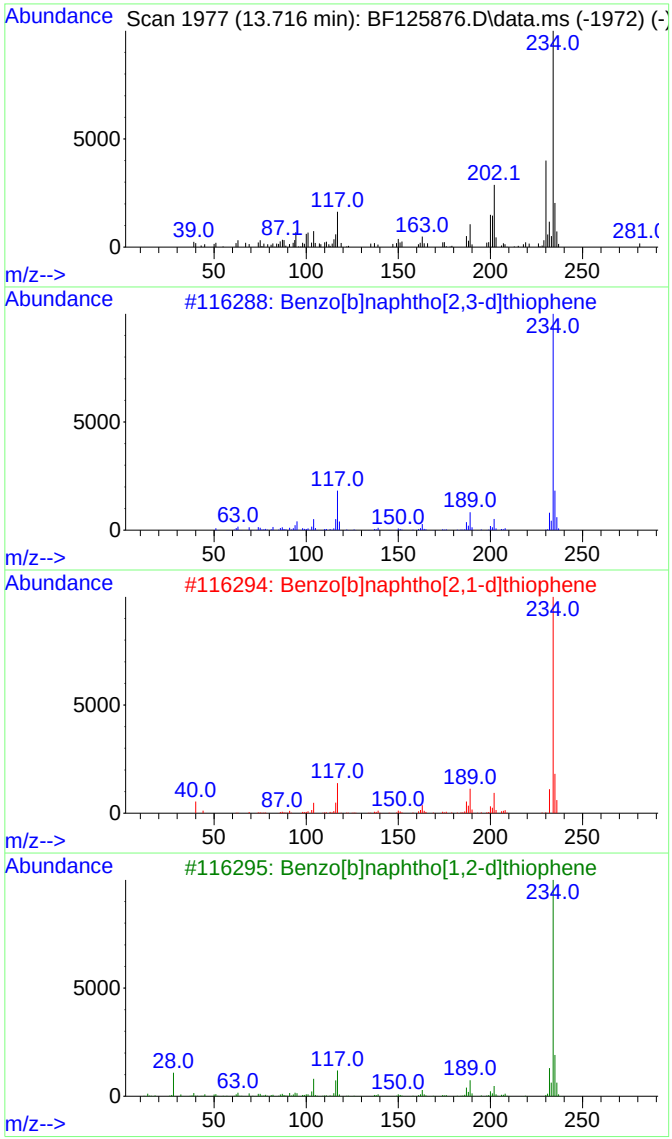
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

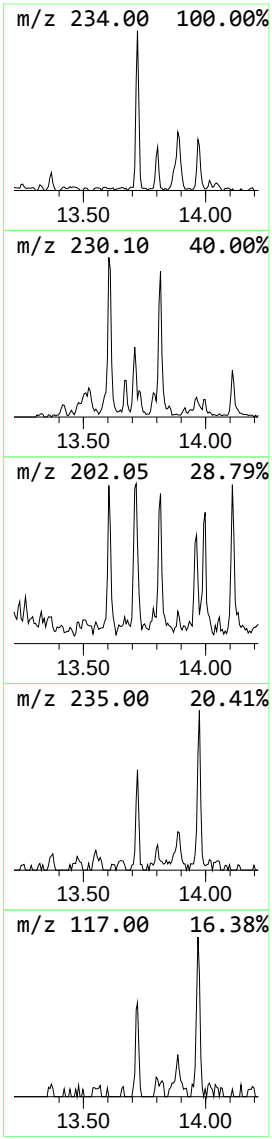
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.716	2.19 ng	155098	Chrysene-d12	13.969

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	92
3	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	91
4	N-(4-Methylphenyl)quinolin-4-amine	234	C16H14N2	1000484-32-8	43
5	Trisaminol, 3-OTMS	337	C13H35NO3Si3	091933-50-5	38





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Data File : BF125876.D
Acq On : 18 Oct 2021 14:37
Operator : JU/CG
Sample : M4252-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MH-CB-(1)

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

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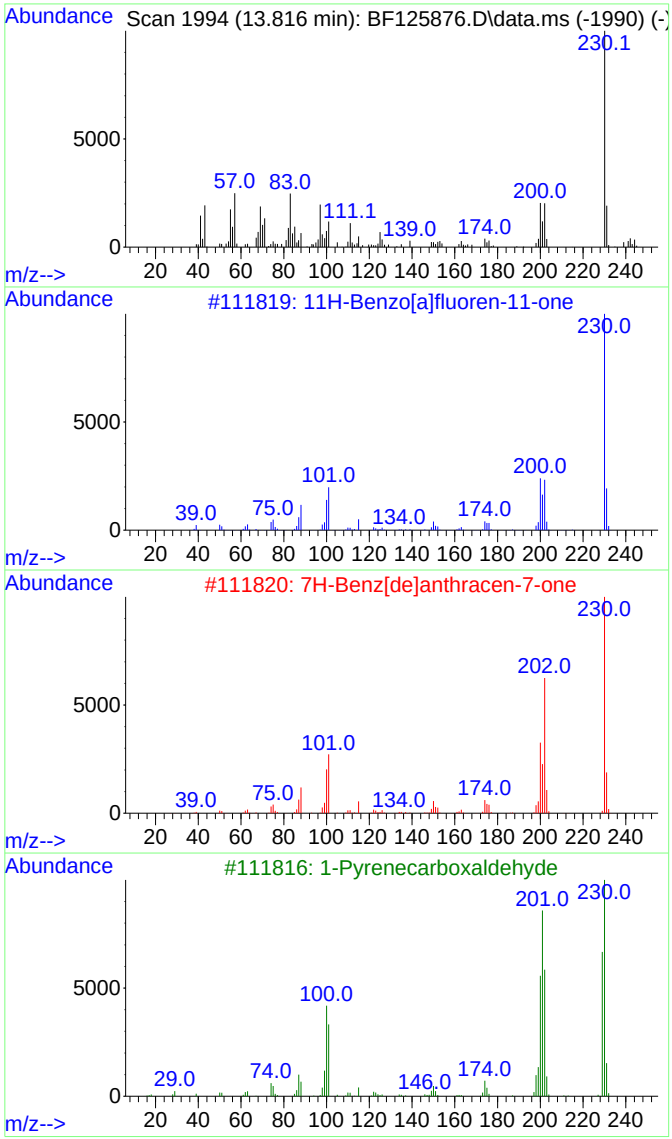
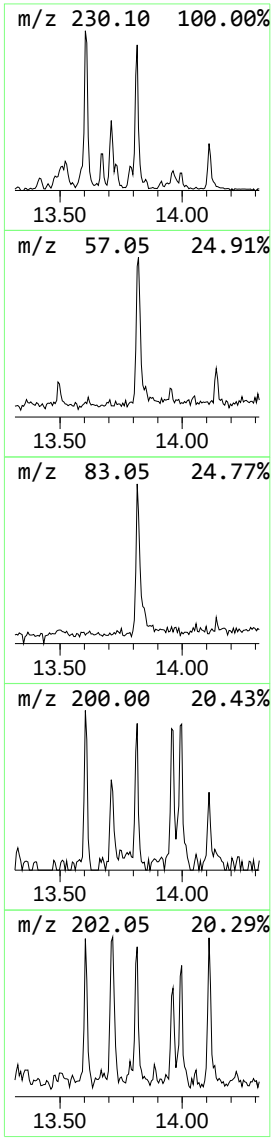
Peak Number 8 11H-Benzo[a]fluoren-11-one Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.816	3.18 ng	225392	Chrysene-d12	13.969

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	62
3	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	53
4	.delta.(sup1),.alpha.-Acenaphthe...	230	C15H6N2O	014619-86-4	47
5	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101821\
Data File : BF125876.D
Acq On : 18 Oct 2021 14:37
Operator : JU/CG
Sample : M4252-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH-CB-(1)

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

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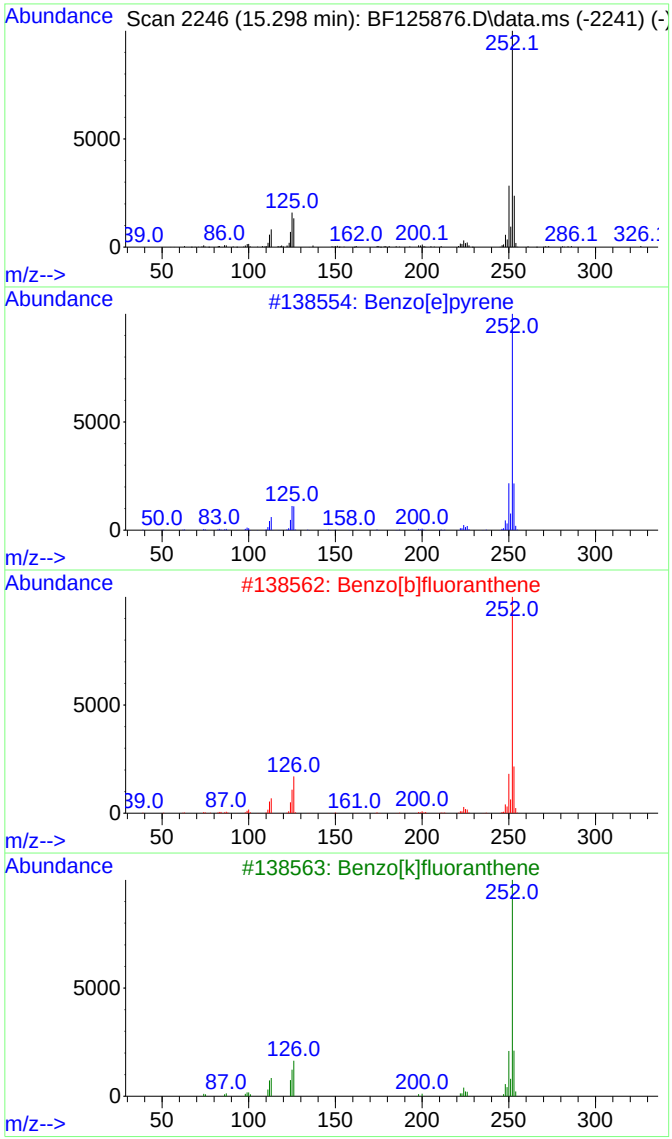
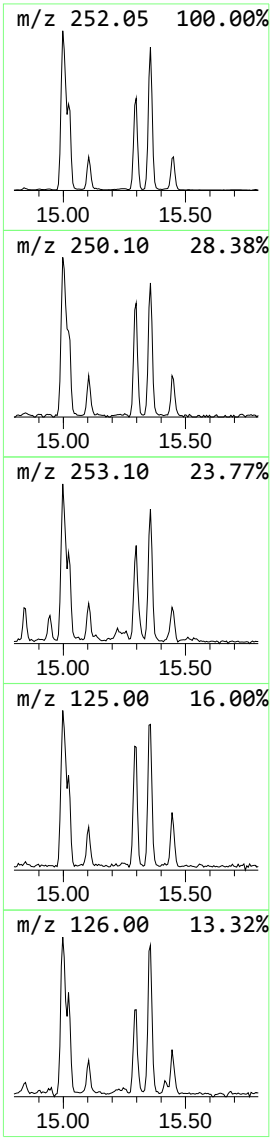
Peak Number 9 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.298	5.79 ng	277888	Perylene-d12	15.421

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	98
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101821\
Data File : BF125876.D
Acq On : 18 Oct 2021 14:37
Operator : JU/CG
Sample : M4252-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MH-CB-(1)

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
Ethanol, 2-(2-b...	8.004	3.0	ng	185701	2	8.104	1237420	20.0
Anthracene, 9-m...	11.839	2.8	ng	170783	4	11.339	1226880	20.0
Phenanthrene, 2...	11.863	4.4	ng	271229	4	11.339	1226880	20.0
1H-Cyclopropa[l...	11.945	3.7	ng	225102	4	11.339	1226880	20.0
Phenanthrene, 2...	12.386	2.5	ng	151239	4	11.339	1226880	20.0
Fluoranthene, 2...	12.992	2.0	ng	143532	5	13.969	1416960	20.0
Benzo[b]naphtho...	13.716	2.2	ng	155098	5	13.969	1416960	20.0
11H-Benzo[a]flu...	13.816	3.2	ng	225392	5	13.969	1416960	20.0
Benzo[e]pyrene	15.298	5.8	ng	277888	6	15.421	959613	20.0