LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122223\
Data File : BF136698.D
Acq On : 22 Dec 2023 21:51
Operator : CG\JU
Sample : 05765-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RT-SB-02-10-11

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-BF122023.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF136698.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.157	9	12	18	rVB5	9265	15064	1.35%	0.098%
2	3.857	297	301	308	rVB	20719	27137	2.44%	0.176%
3	5.010	493	497	503	rVB	48807	53000	4.77%	0.344%
4	5.422	563	567	580	rBV	1145515	991883	89.20%	6.447%
5	6.428	734	738	750	rBV	1222072	1034832	93.06%	6.726%
6	6.539	754	757	760	rVB	17534	12949	1.16%	0.084%
7	6.780	795	798	802	rBV	509729	390621	35.13%	2.539%
8	7.339	889	893	896	rBV	719068	629898	56.64%	4.094%
9	8.057	1009	1015	1018	rBV	612674	487884	43.87%	3.171%
10	8.080	1018	1019	1024	rVB	62478	31744	2.85%	0.206%
11	8.769	1134	1136	1139	rBV	28695	21834	1.96%	0.142%
12	8.869	1149	1153	1157	rVB	25086	19988	1.80%	0.130%
13	9.133	1194	1198	1201	rBV	1352014	1112017	100.00%	7.228%
14	9.404	1239	1244	1247	rVB	10262	13069	1.18%	0.085%
15	9.469	1252	1255	1258	rBV	17330	17204	1.55%	0.112%
16	9.816	1310	1314	1317	rBV	548587	433420	38.98%	2.817%
17	9.845	1317	1319	1323	rVB	142731	103657	9.32%	0.674%
18	10.016	1345	1348	1353	rBV	66231	60048	5.40%	0.390%
19	10.363	1403	1407	1413	rBV	85312	66864	6.01%	0.435%
20	10.521	1432	1434	1438	rVB	23911	19000	1.71%	0.123%
21	10.604	1445	1448	1454	rBV	484525	412291	37.08%	2.680%
22	10.727	1464	1469	1480	rVB5	15367	25240	2.27%	0.164%
23	10.916	1495	1501	1503	rBV4	16181	21026	1.89%	0.137%
24	11.110	1531	1534	1538	rVB	61990	51394	4.62%	0.334%
25	11.198	1547	1549	1555	rVB	54951	50719	4.56%	0.330%
26	11.304	1563	1567	1569	rBV	435543	366646	32.97%	2.383%
27	11.333	1569	1572	1575	rVV	790216	711686	64.00%	4.626%
28	11.380	1575	1580	1583	rVB	199209	166773	15.00%	1.084%
29	11.415	1583	1586	1589	rBV2	16981	16525	1.49%	0.107%
30	11.521	1601	1604	1605	rBV	16994	14888	1.34%	0.097%
31	11.539	1605	1607	1615	rVV	104196	93860	8.44%	0.610%
32	11.604	1615	1618	1621	rVV3	26332	22845	2.05%	0.148%
33	11.639	1621	1624	1629	rVB4	17349	19654	1.77%	0.128%
34	11.810	1648	1653	1655	rBV	78271	67462	6.07%	0.438%
35	11.839	1655	1658	1662	rVV	191321	170223	15.31%	1.106%
36	11.886	1663	1666	1668	rVV	33778	34231	3.08%	0.222%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122223\
Data File : BF136698.D
Acq On : 22 Dec 2023 21:51
Operator : CG\JU
Sample : 05765-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RT-SB-02-10-11

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-BF122023.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.921	1668	1672	1674	rVV	113493	114287	10.28%	0.743%
38	11.945	1674	1676	1680	rVB	46301	41177	3.70%	0.268%
39	11.992	1680	1684	1686	rBV2	12035	14581	1.31%	0.095%
40	12.015	1686	1688	1691	rVB2	21046	19207	1.73%	0.125%
41	12.104	1701	1703	1706	rBV	53064	49619	4.46%	0.322%
42	12.133	1706	1708	1712	rVB	85546	66986	6.02%	0.435%
43	12.257	1727	1729	1732	rVB3	16834	12884	1.16%	0.084%
44	12.286	1732	1734	1737	rBV2	13753	15537	1.40%	0.101%
45	12.362	1741	1747	1750	rBV2	37879	47227	4.25%	0.307%
46	12.404	1750	1754	1758	rVB3	24164	31579	2.84%	0.205%
47	12.445	1758	1761	1766	rVB	47451	47583	4.28%	0.309%
48	12.527	1770	1775	1778	rBV	985708	837941	75.35%	5.446%
49	12.586	1783	1785	1788	rVB	23289	19609	1.76%	0.127%
50	12.633	1788	1793	1794	rBV4	16352	22661	2.04%	0.147%
51	12.674	1798	1800	1803	rVB	30351	28528	2.57%	0.185%
52	12.757	1808	1814	1817	rVV	728046	781704	70.30%	5.081%
53	12.804	1819	1822	1827	rVB2	38880	42511	3.82%	0.276%
54	12.874	1831	1834	1835	rBV	46045	39237	3.53%	0.255%
55	12.898	1835	1838	1846	rVB	960706	858541	77.21%	5.580%
56	12.974	1846	1851	1854	rBV3	45681	77670	6.98%	0.505%
57	13.004	1854	1856	1859	rVB	19232	17083	1.54%	0.111%
58	13.057	1862	1865	1867	rBV3	35384	39750	3.57%	0.258%
59	13.080	1867	1869	1873	rVB	64884	62508	5.62%	0.406%
60	13.151	1876	1881	1884	rBV3	30965	50383	4.53%	0.327%
61	13.186	1884	1887	1889	rVV2	58994	53459	4.81%	0.347%
62	13.215	1889	1892	1894	rVB	24397	26304	2.37%	0.171%
63	13.245	1894	1897	1899	rBV2	14384	14117	1.27%	0.092%
64	13.280	1900	1903	1905	rVB	29374	23801	2.14%	0.155%
65	13.309	1905	1908	1912	rBV2	44622	47228	4.25%	0.307%
66	13.480	1931	1937	1941	rBV8	28640	72023	6.48%	0.468%
67	13.592	1953	1956	1961	rBV	100138	91070	8.19%	0.592%
68	13.704	1971	1975	1978	rBV2	94257	103350	9.29%	0.672%
69	13.733	1978	1980	1982	rVV	75151	62153	5.59%	0.404%
70	13.757	1982	1984	1985	rVV	56173	48334	4.35%	0.314%
71	13.804	1989	1992	1997	rVB	119082	111920	10.06%	0.727%
72	13.874	1999	2004	2010	rBV3	42126	95567	8.59%	0.621%
73	13.956	2010	2018	2021	rVV2	619871	952364	85.64%	6.190%
74	13.986	2021	2023	2030	rVB	430014	373736	33.61%	2.429%
75	14.062	2034	2036	2039	rVB	55017	45500	4.09%	0.296%
76	14.192	2056	2058	2060	rVB	37844	29288	2.63%	0.190%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122223\
Data File : BF136698.D
Acq On : 22 Dec 2023 21:51
Operator : CG\JU
Sample : 05765-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RT-SB-02-10-11

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-BF122023.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.221	2060	2063	2064	rBV2	21450	20791	1.87%	0.135%
78	14.345	2082	2084	2088	rVB	69933	68123	6.13%	0.443%
79	14.380	2088	2090	2094	rBV2	42960	43542	3.92%	0.283%
80	14.439	2097	2100	2103	rBV3	38565	48782	4.39%	0.317%
81	14.474	2103	2106	2108	rBV	41890	40465	3.64%	0.263%
82	14.821	2162	2165	2167	rBV2	35931	47740	4.29%	0.310%
83	15.003	2192	2196	2199	rBV	327001	491820	44.23%	3.197%
84	15.109	2212	2214	2218	rVB	56989	57829	5.20%	0.376%
85	15.309	2244	2248	2254	rVB	168246	222228	19.98%	1.444%
86	15.374	2254	2259	2264	rVV	246113	312488	28.10%	2.031%
87	15.439	2265	2270	2273	rVV	303795	383832	34.52%	2.495%
88	15.468	2273	2275	2281	rVB3	86710	116275	10.46%	0.756%
89	16.927	2518	2523	2533	rVB2	82219	165474	14.88%	1.075%
90	17.374	2597	2599	2608	rVB	50701	89875	8.08%	0.584%

Sum of corrected areas: 15385847

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Operator : CG\JU
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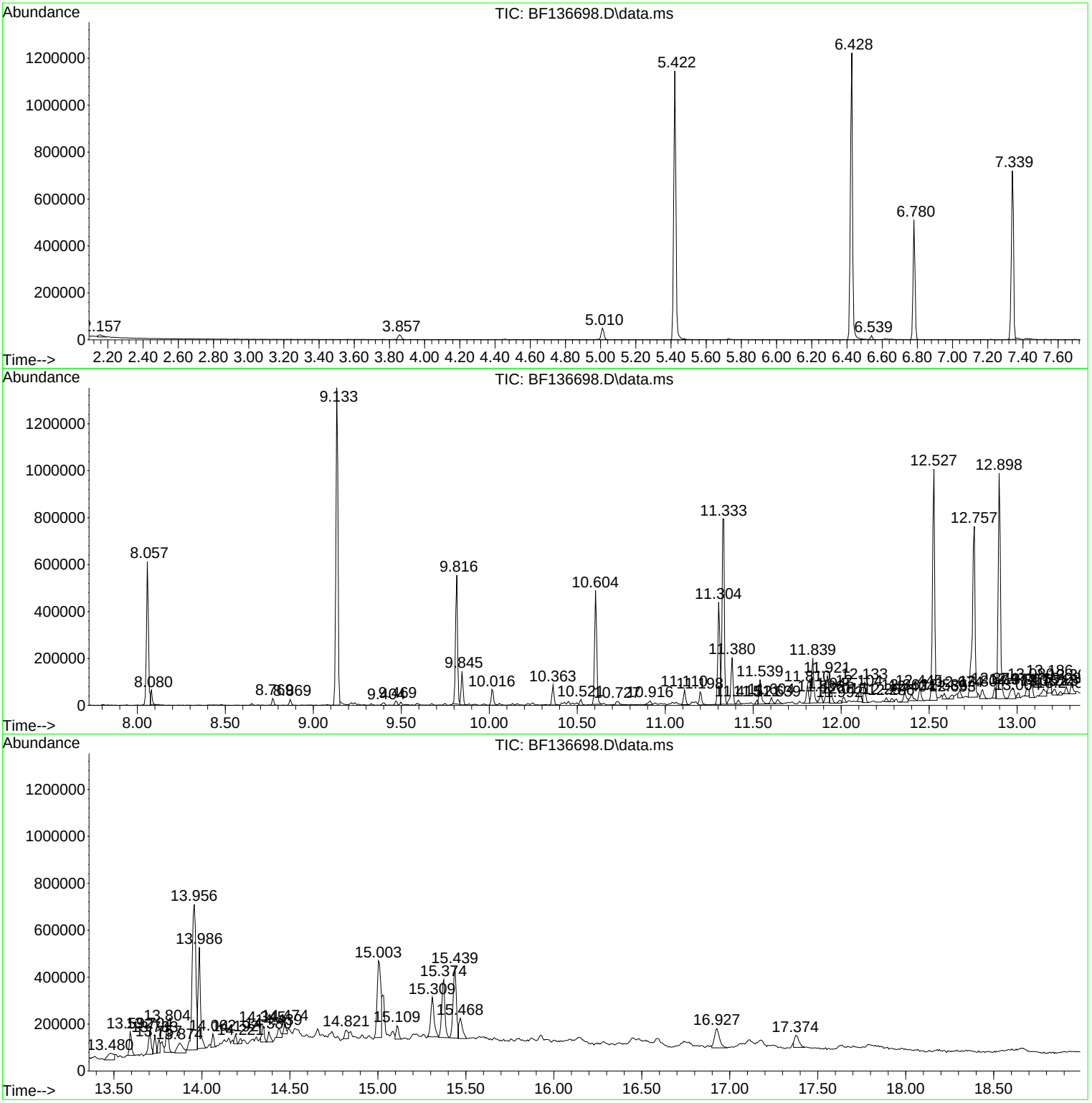
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RT-SB-02-10-11

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.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\BF122223\
Data File : BF136698.D
Acq On : 22 Dec 2023 21:51
Operator : CG\JU
Sample : 05765-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RT-SB-02-10-11

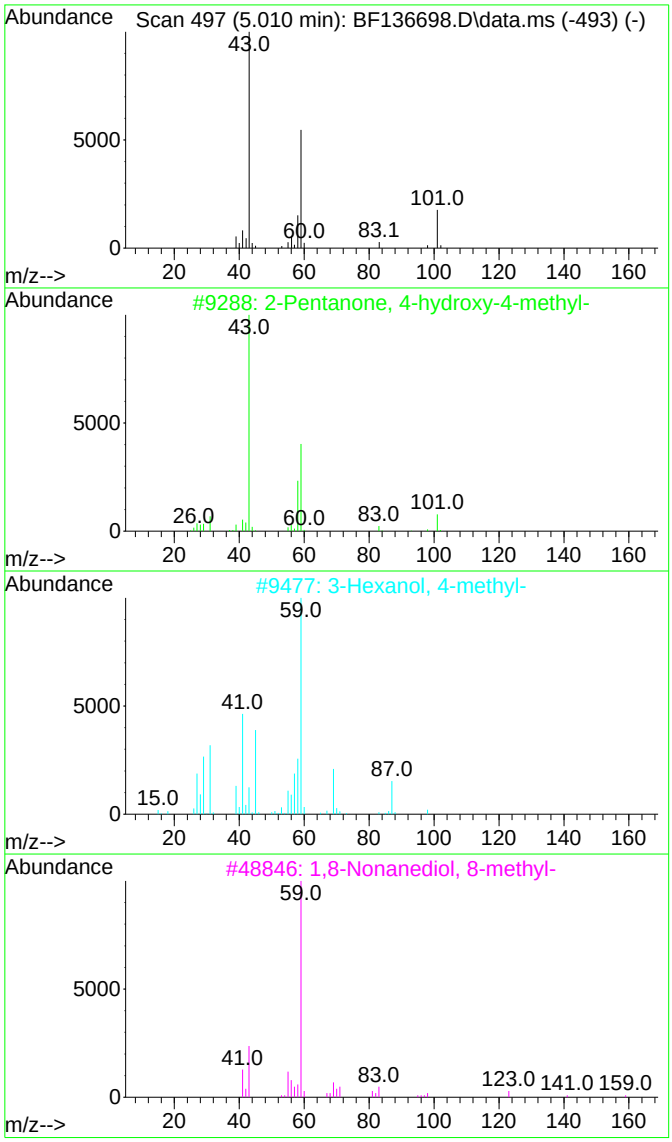
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

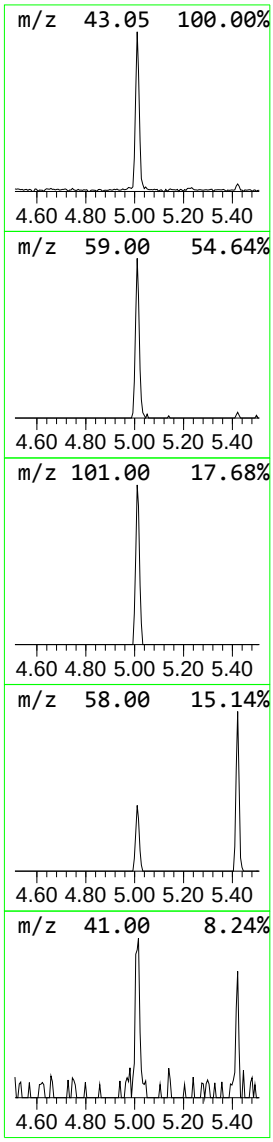
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.010	2.71 ng	53000	1,4-Dichlorobenzene-d4	6.780

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
3	1,8-Nonanediol, 8-methyl-	174	C10H22O2	054725-73-4	28
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122223\
Data File : BF136698.D
Acq On : 22 Dec 2023 21:51
Operator : CG\JU
Sample : 05765-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RT-SB-02-10-11

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

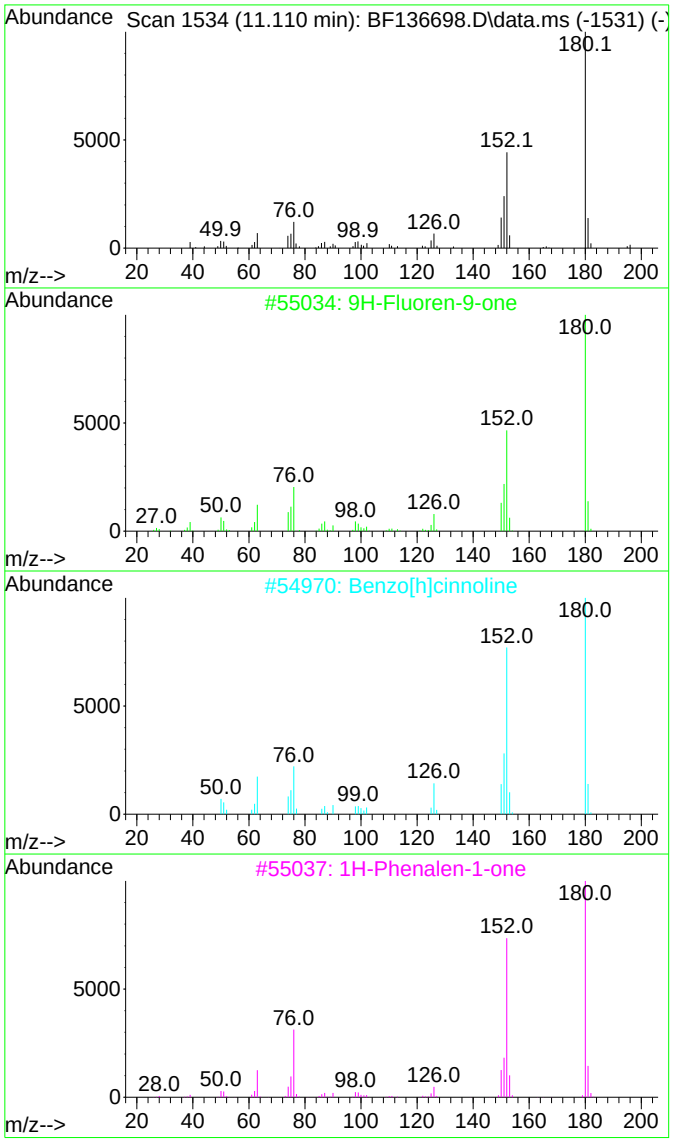
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

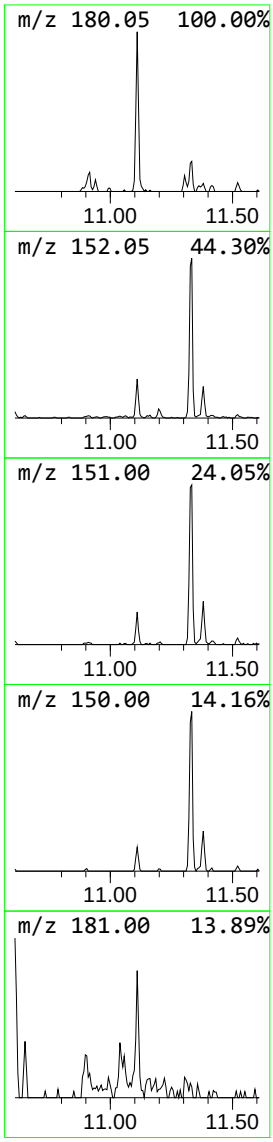
****

Peak Number 2 9H-Fluoren-9-one Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.110	2.80 ng	51394	Phenanthrene-d10	11.304

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	58
4	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	50
5	Phenazine	180	C12H8N2	000092-82-0	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122223\
Data File : BF136698.D
Acq On : 22 Dec 2023 21:51
Operator : CG\JU
Sample : 05765-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RT-SB-02-10-11

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

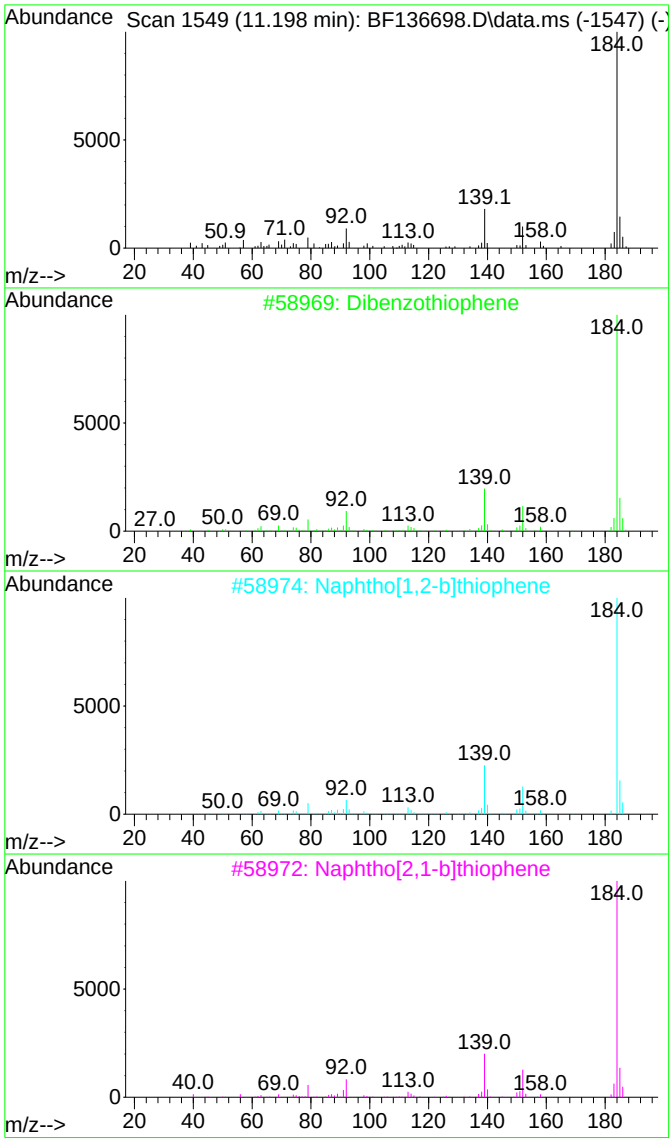
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

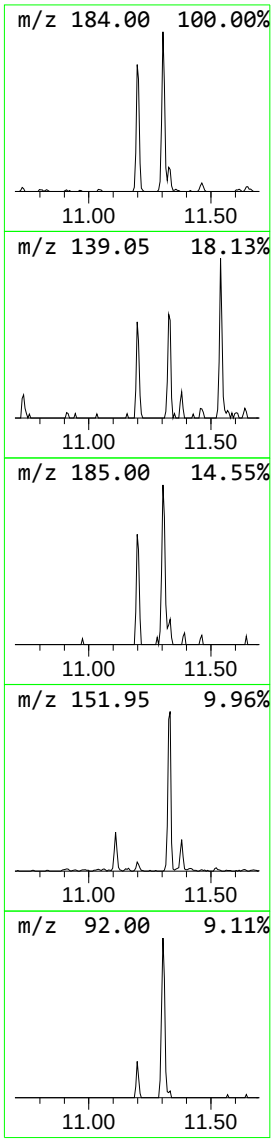
****

Peak Number 3 Dibenzothiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.198	2.77 ng	50719	Phenanthrene-d10	11.304

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	91
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122223\
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ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RT-SB-02-10-11

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

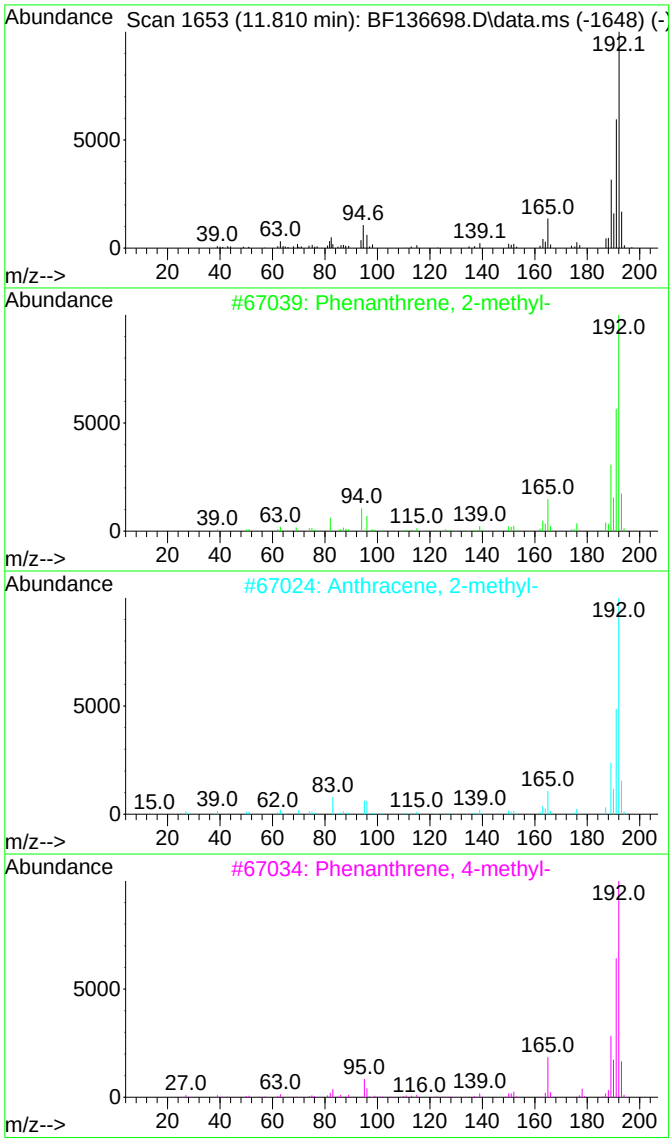
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

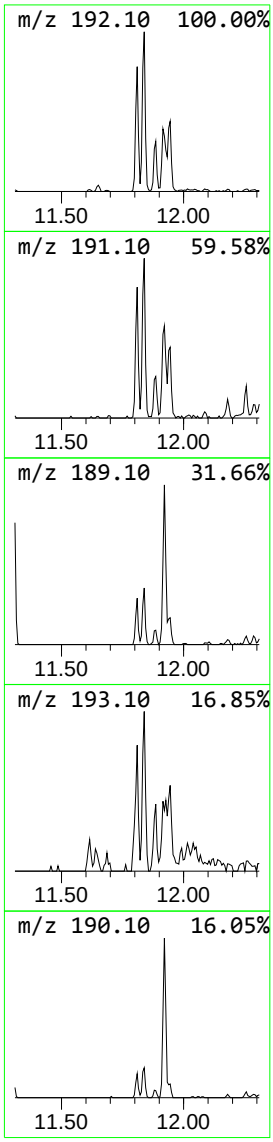
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.810	3.68 ng	67462	Phenanthrene-d10	11.304

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	96
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122223\
Data File : BF136698.D
Acq On : 22 Dec 2023 21:51
Operator : CG\JU
Sample : 05765-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RT-SB-02-10-11

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

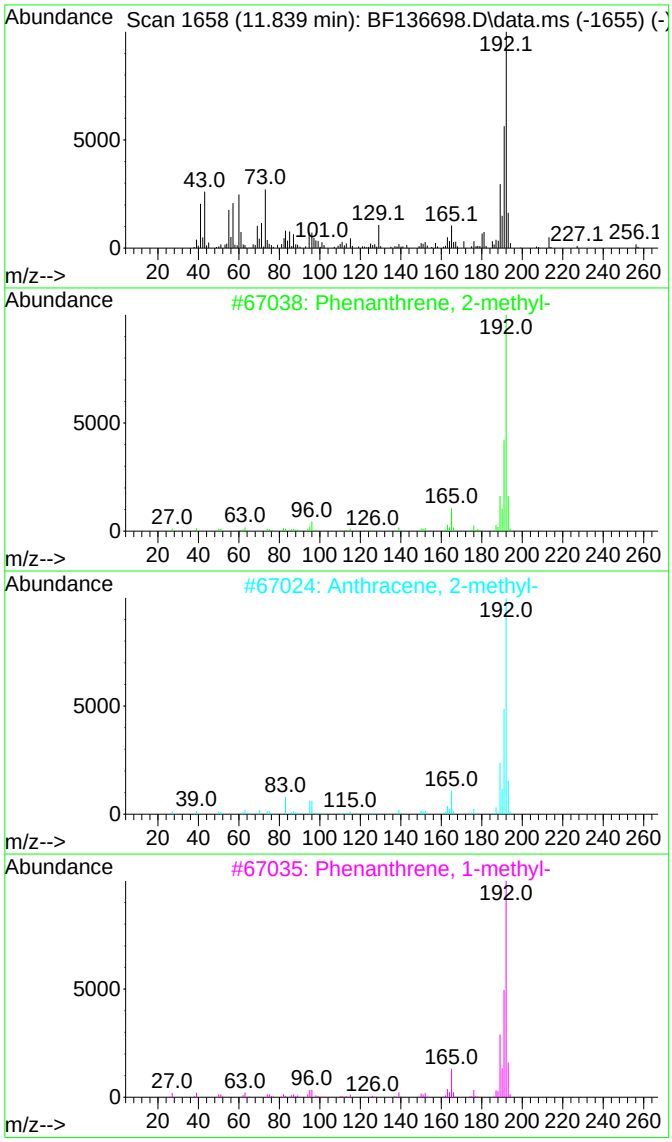
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

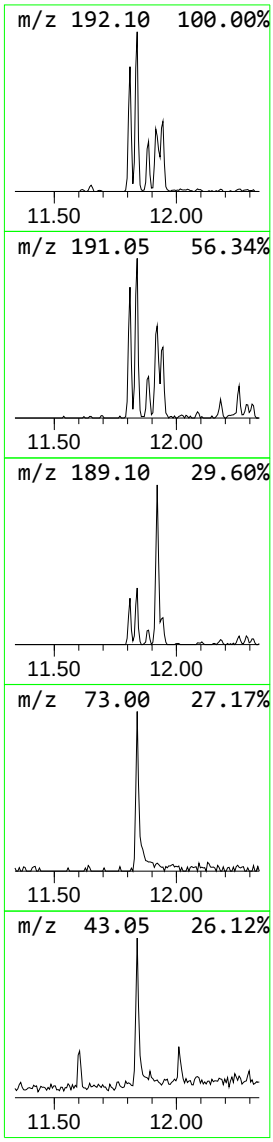
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.839	9.29 ng	170223	Phenanthrene-d10	11.304

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	92
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	92





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122223\
Data File : BF136698.D
Acq On : 22 Dec 2023 21:51
Operator : CG\JU
Sample : 05765-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RT-SB-02-10-11

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.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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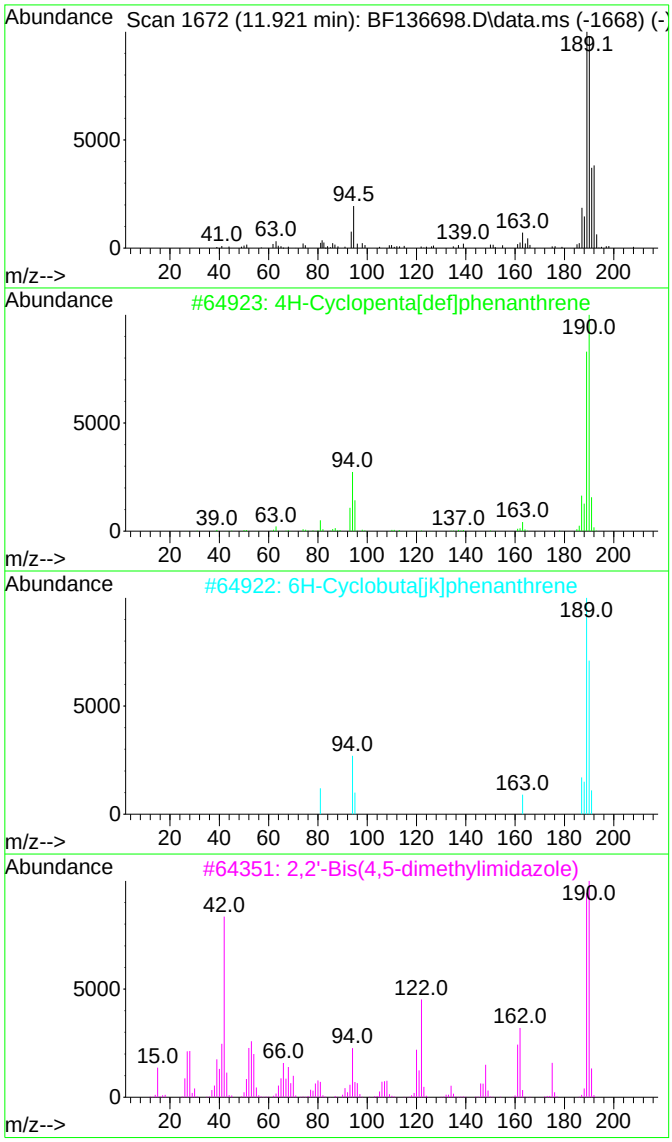
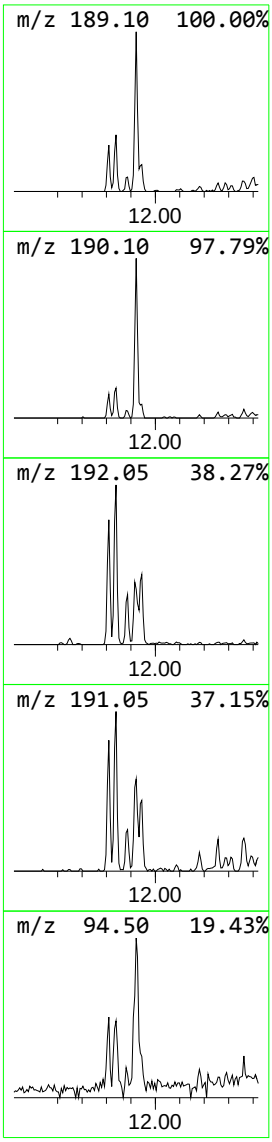
Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.921	6.23 ng	114287	Phenanthrene-d10	11.304

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
4	1-Aminocyclopentanecarboxylic ac...	361	C18H32ClNO4	1000329-17-0	35
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25





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ClientSampleId :
RT-SB-02-10-11

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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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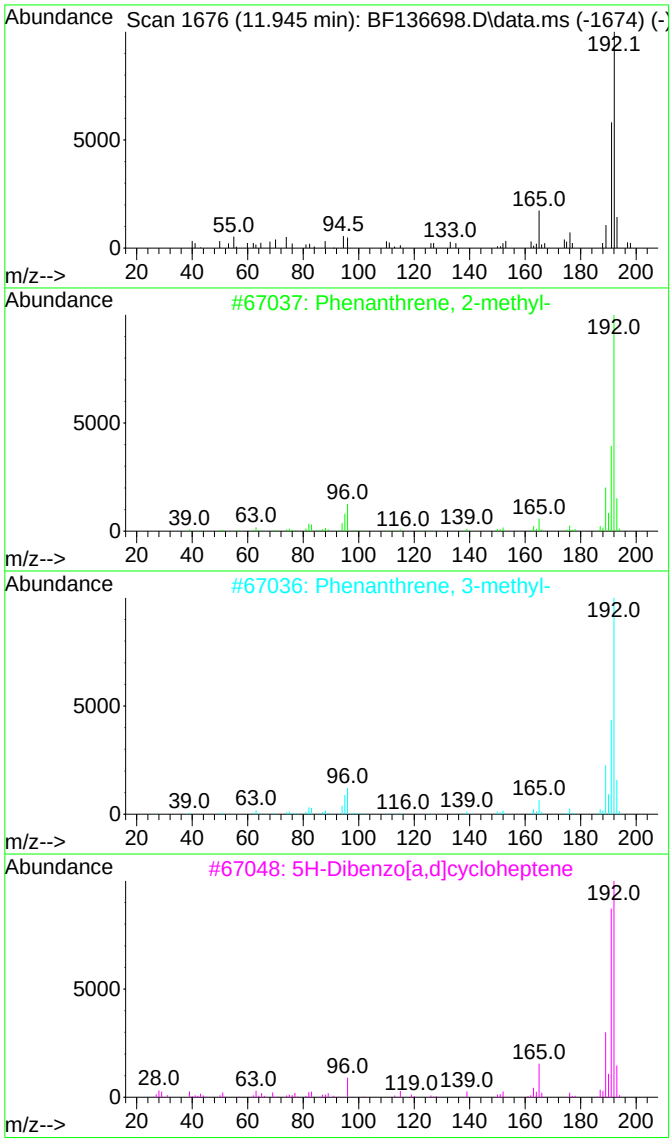
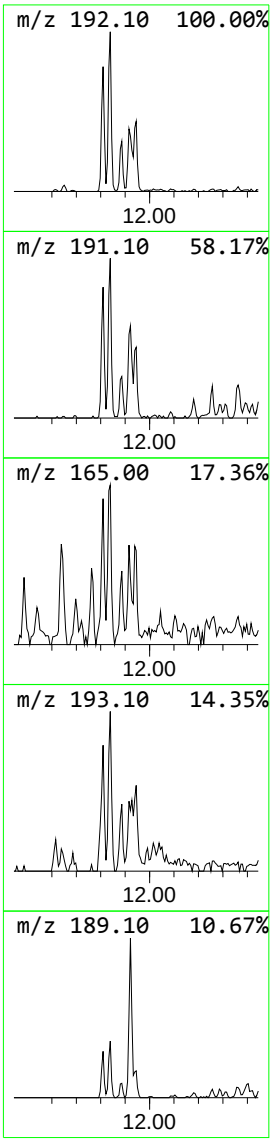
Peak Number 7 Phenanthrene, 3-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.945	2.25 ng	41177	Phenanthrene-d10	11.304

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	86
2	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	86
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	83
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	83
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	80





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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

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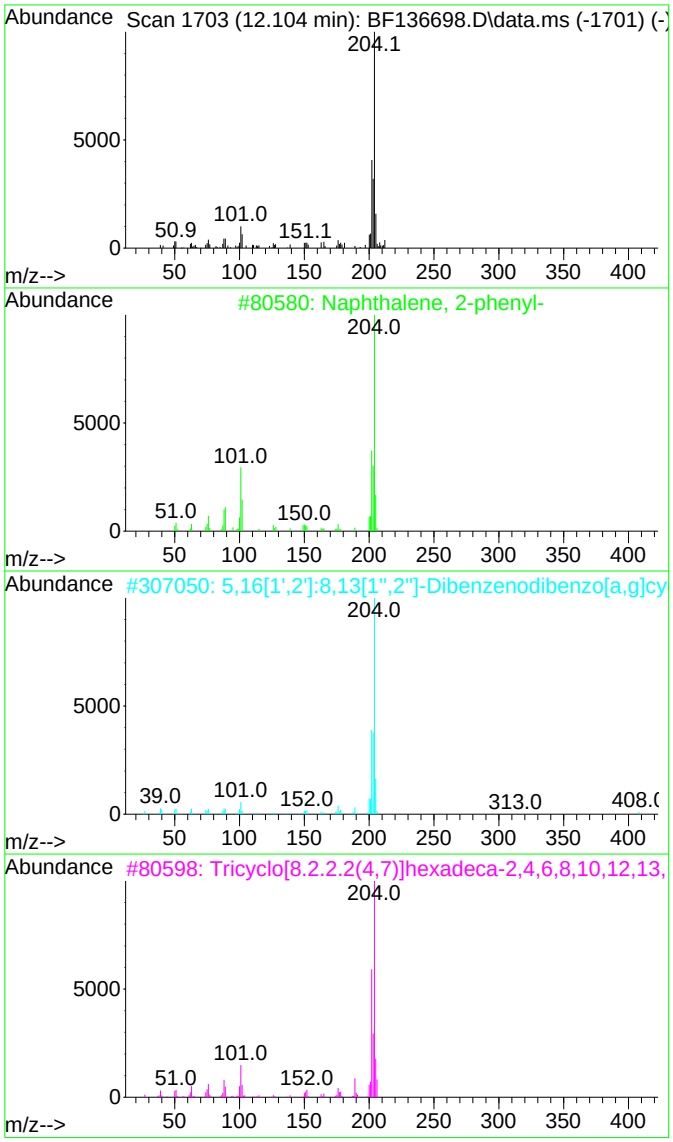
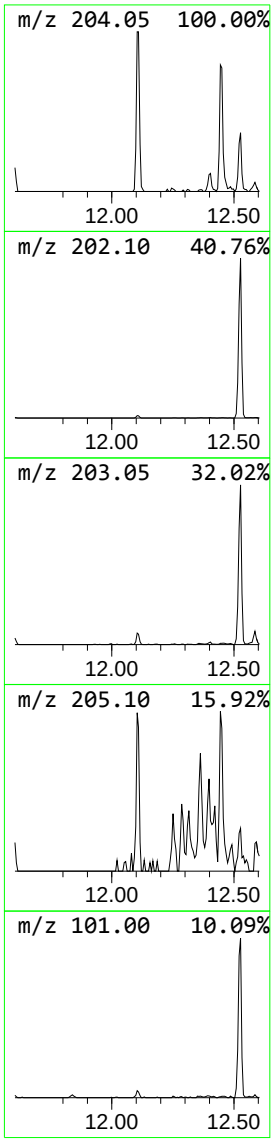
Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.104	2.71 ng	49619	Phenanthrene-d10	11.304

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	91
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	49





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ClientSampleId :
RT-SB-02-10-11

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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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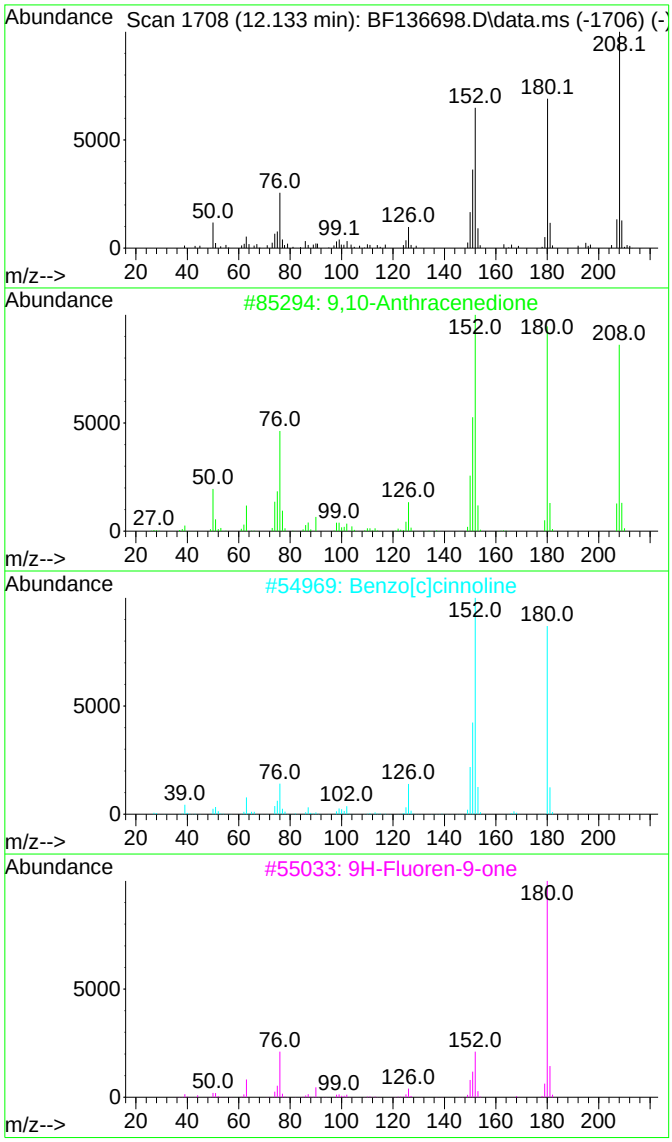
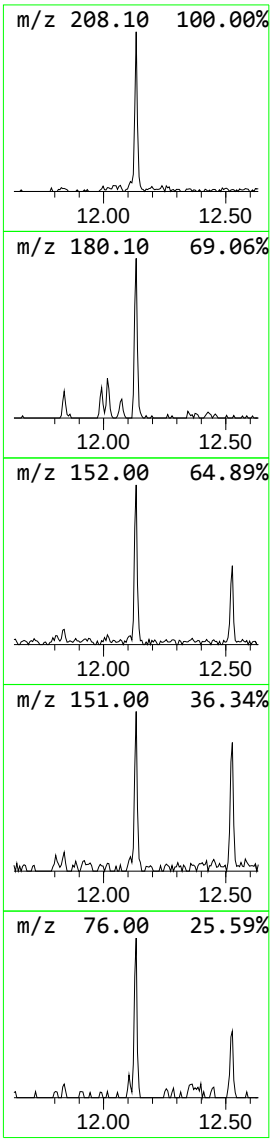
Peak Number 9 9,10-Anthracenedione Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.133	3.65 ng	66986	Phenanthrene-d10	11.304

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	91
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	78
4	1,4-Anthracenedione	208	C14H8O2	000635-12-1	70
5	2-(Dicyanomethylene)indene-1,3-d...	208	C12H4N2O2	016954-74-8	68





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ALS Vial : 12 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

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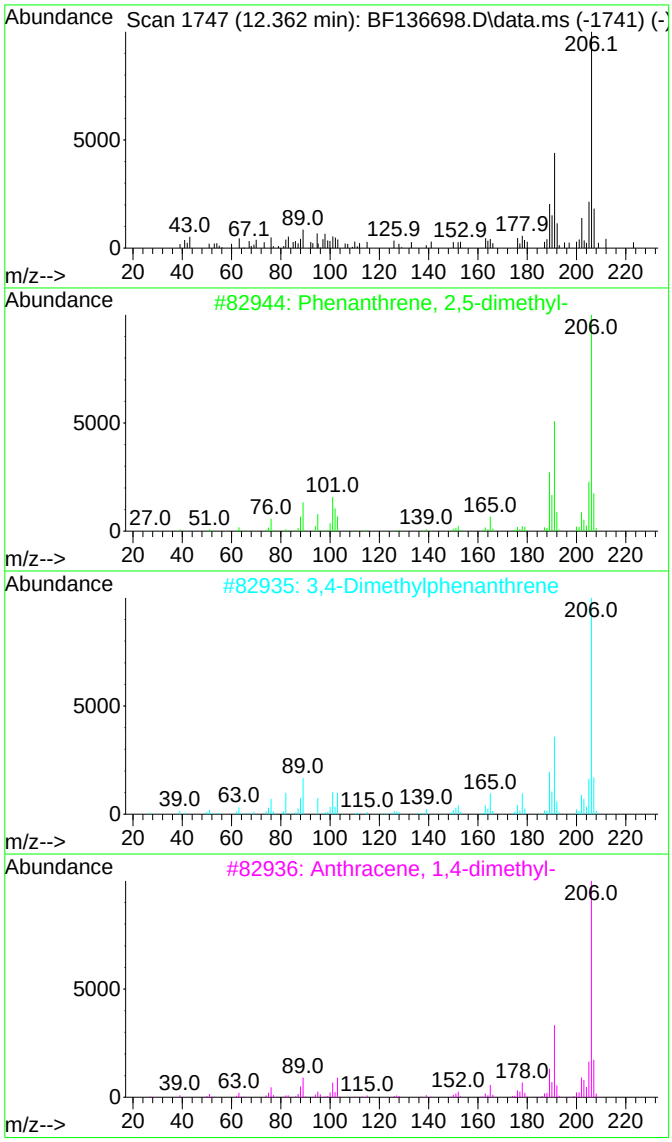
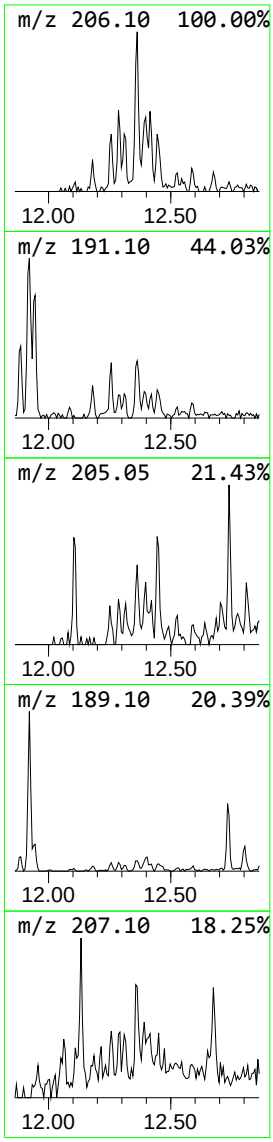
Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.363	2.58 ng	47227	Phenanthrene-d10	11.304

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	90
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87





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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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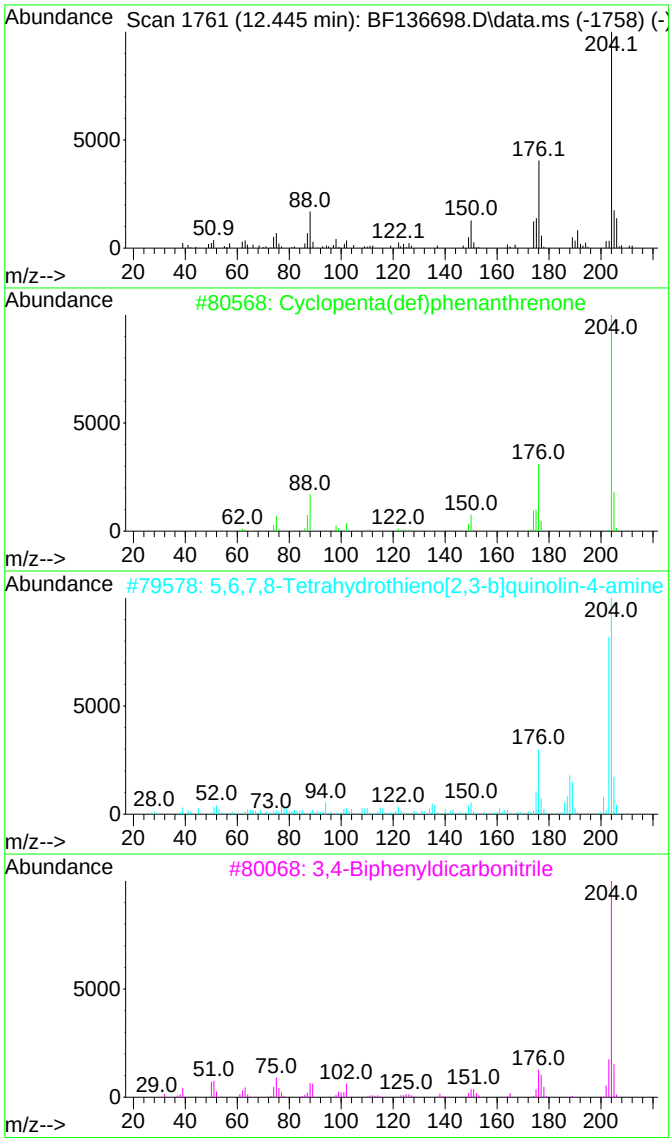
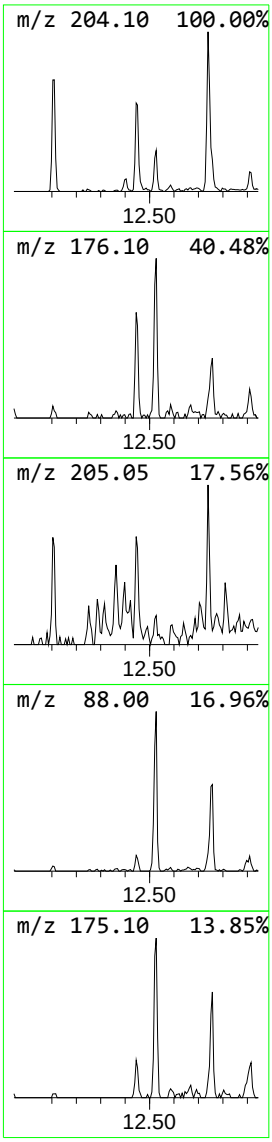
Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.445	2.60 ng	47583	Phenanthrene-d10	11.304

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	50
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	45
4	(E)-Ethyl 3-oxo-2-(pyrid-2-yl)me...	219	C12H13NO3	1000147-59-7	45
5	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	43





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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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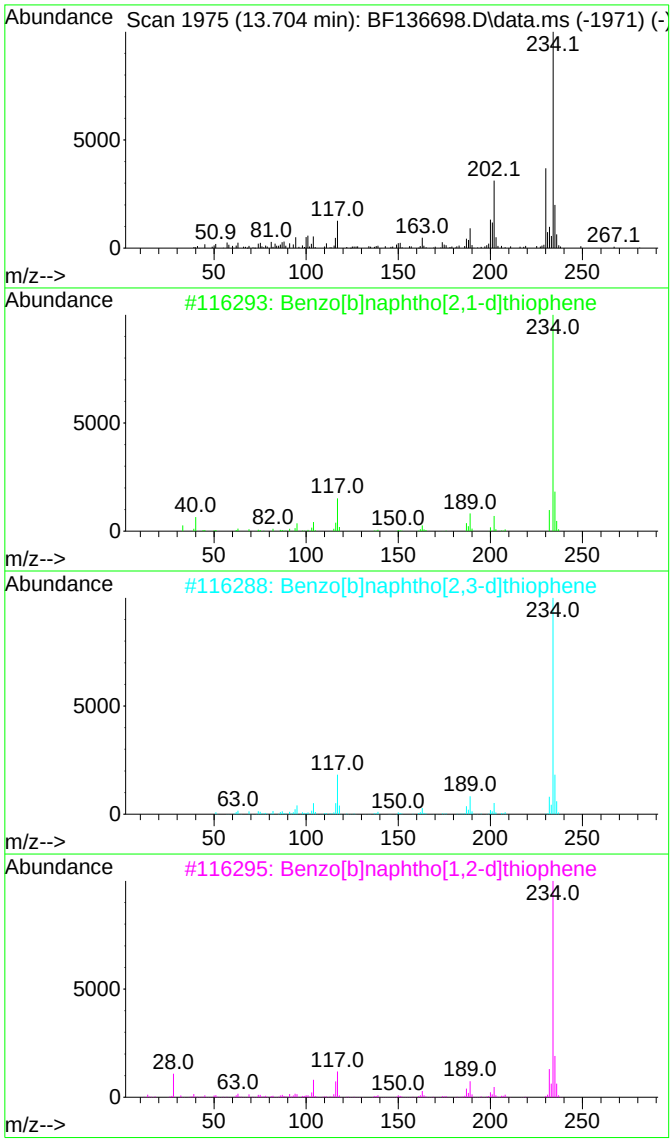
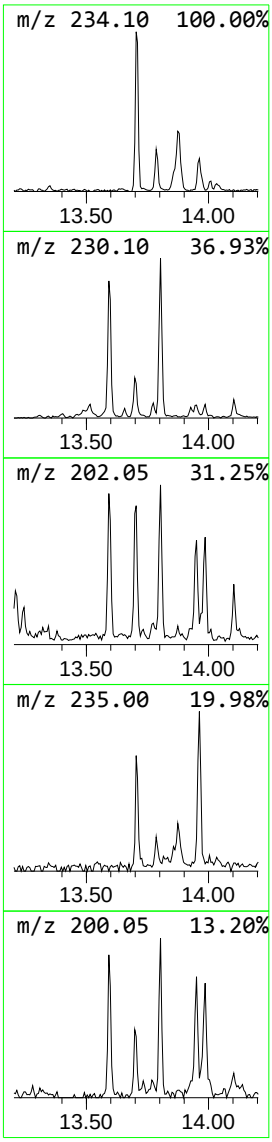
Peak Number 12 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.704	2.17 ng	103350	Chrysene-d12	13.962

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	86
3	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	64
4	Phenanthro[4,3-b]thiophene	234	C16H10S	000195-68-6	49
5	4-Methyl-6-methylthio-8-nitroqui...	234	C11H10N2O2S	1000213-15-8	43





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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

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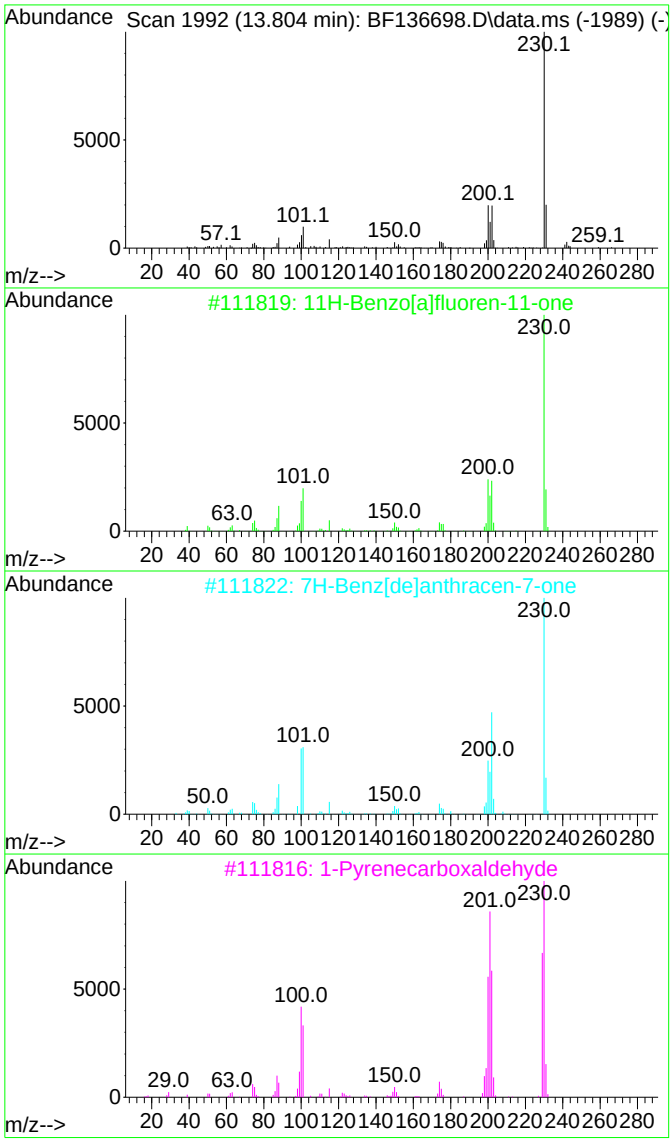
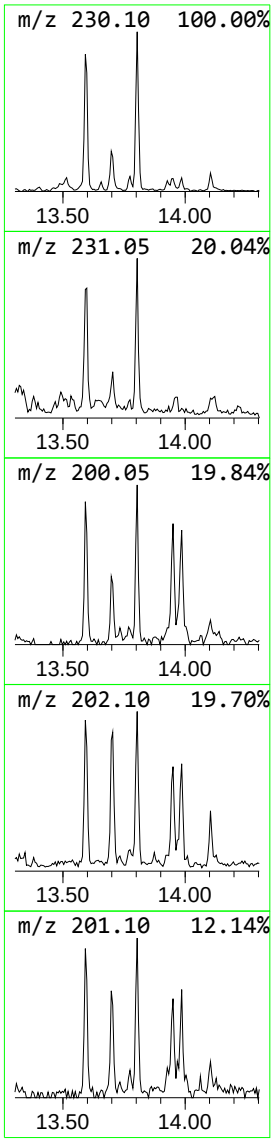
Peak Number 13 11H-Benzo[a]fluoren-11-one Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.804	2.35 ng	111920	Chrysene-d12	13.962

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
3	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	78
4	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	64
5	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	56





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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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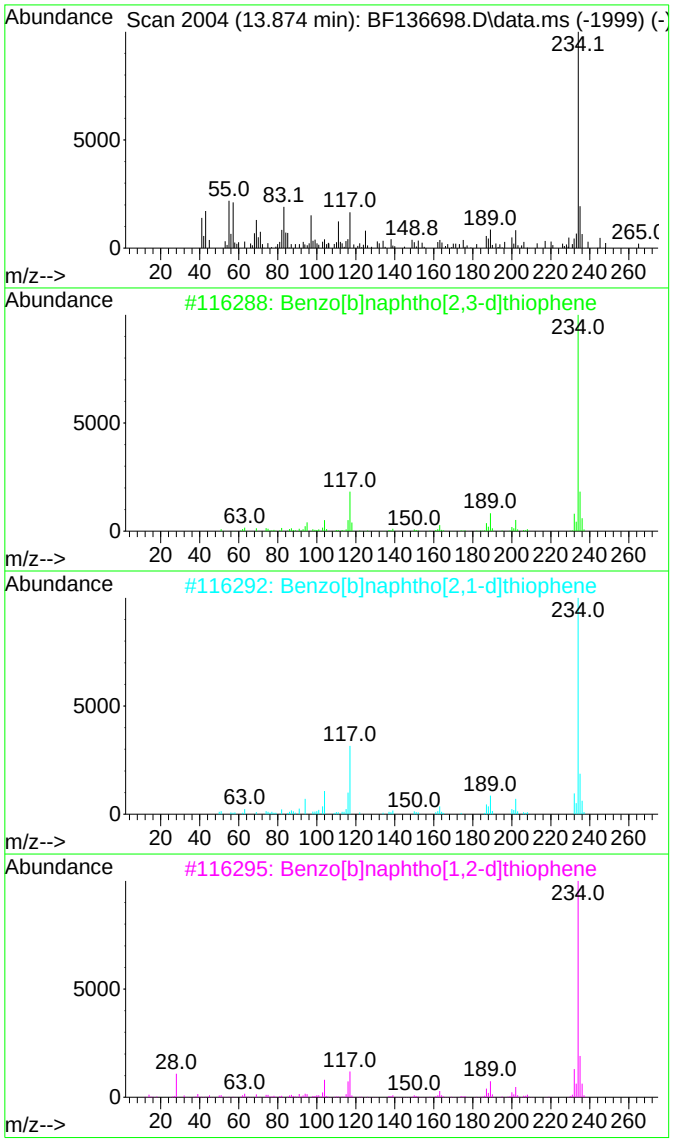
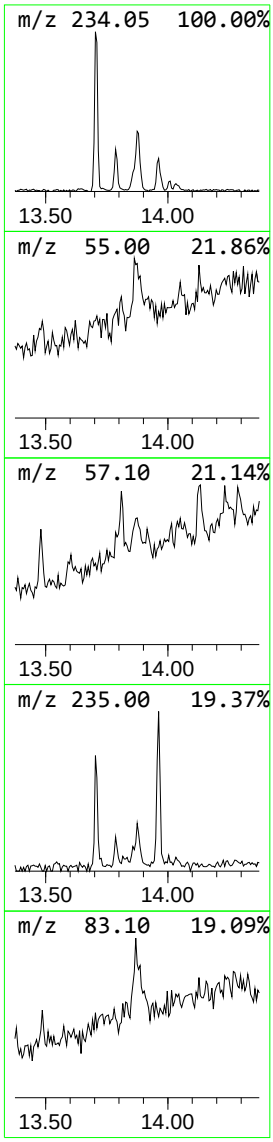
Peak Number 14 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.874	2.01 ng	95567	Chrysene-d12	13.962

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	90
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	90
3	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	90
4	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	76
5	Anthra[1,9a,9-cd:5,10a,10-c'd']d...	234	C14H6N2O2	000201-91-2	64





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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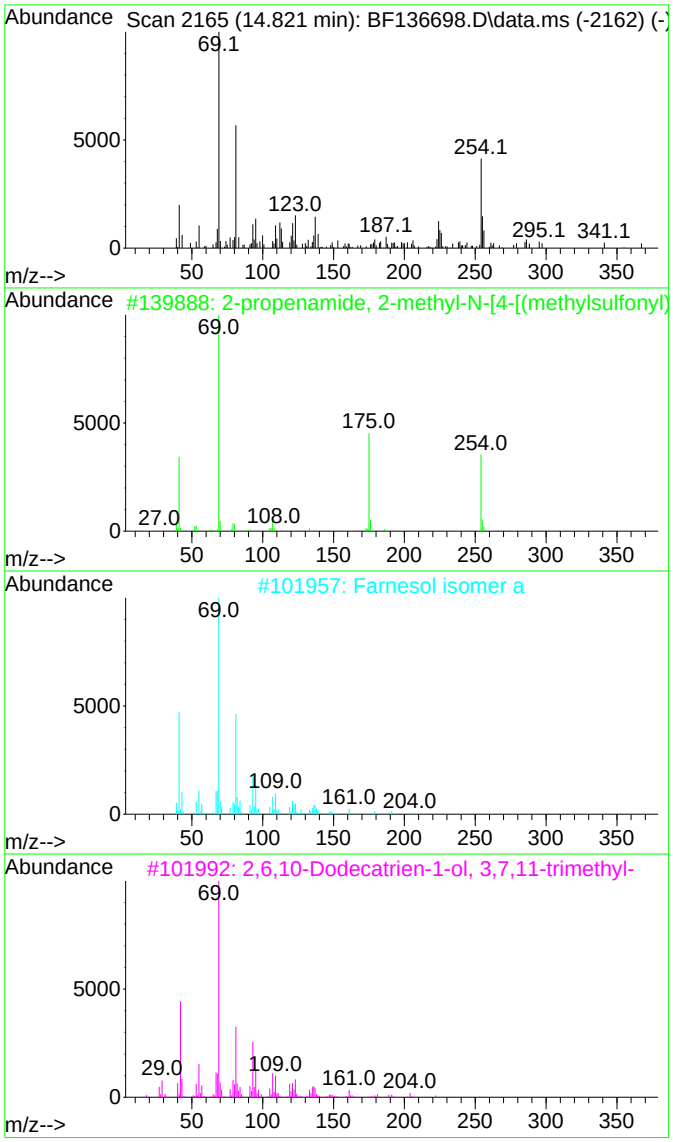
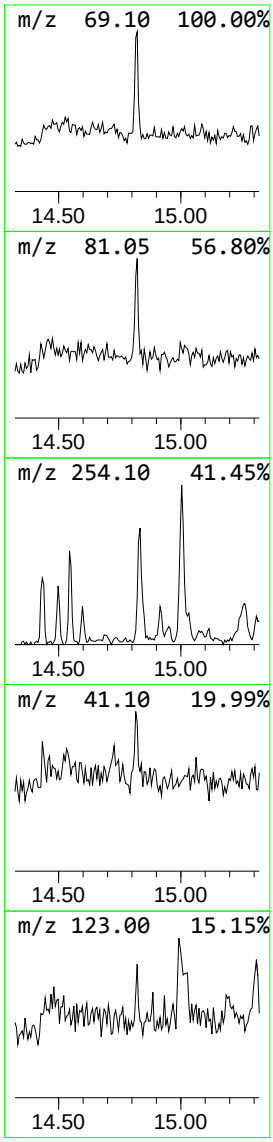
Peak Number 15 2-propenamide, 2-methyl-N-[... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.821	2.49 ng	47740	Perylene-d12	15.439

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-propenamide, 2-methyl-N-[4-[(m...	254	C11H14N2O3S	1000401-43-5	50
2	Farnesol isomer a	222	C15H26O	1000108-92-4	43
3	2,6,10-Dodecatrien-1-ol, 3,7,11-...	222	C15H26O	004602-84-0	43
4	1,5,9-Undecatriene, 2,6,10-trime...	192	C14H24	062951-96-6	38
5	3,7,11-Trimethyl-2,6,10-dodecatr...	217	C15H23N	029789-67-1	38





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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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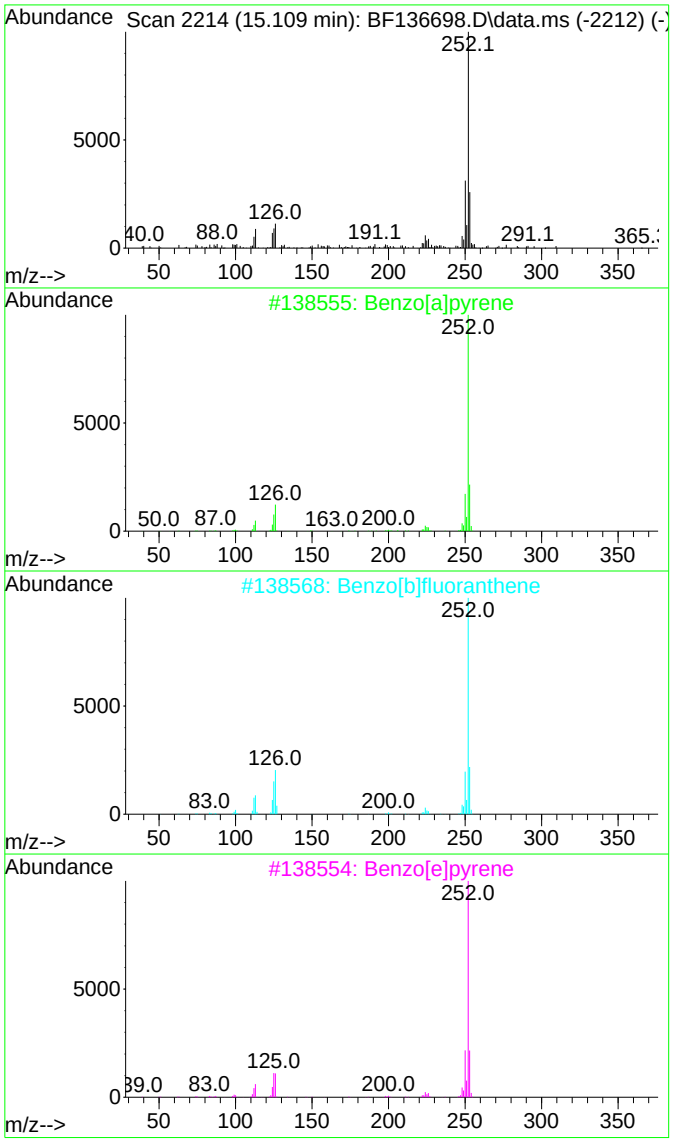
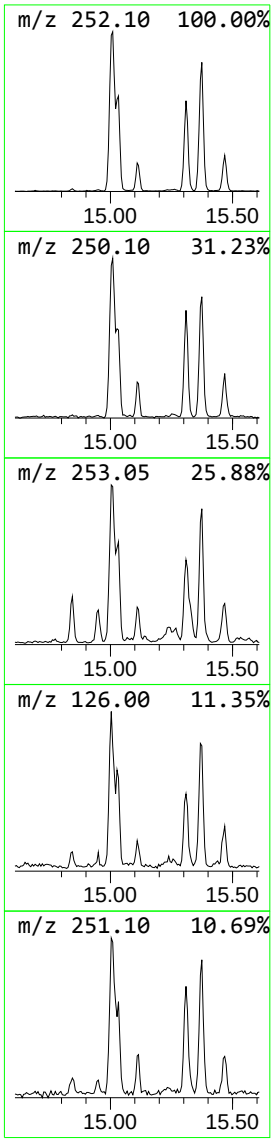
Peak Number 16 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.109	3.01 ng	57829	Perylene-d12	15.439

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene	252	C20H12	000050-32-8	94
2	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94
3	Benzo[e]pyrene	252	C20H12	000192-97-2	91
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	83





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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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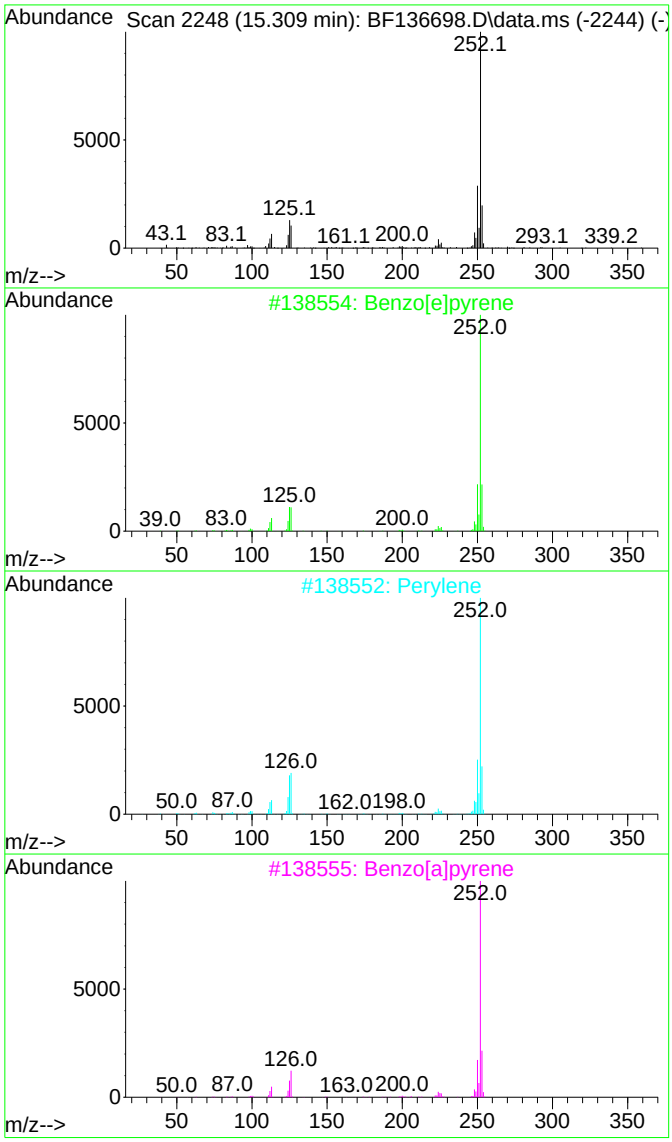
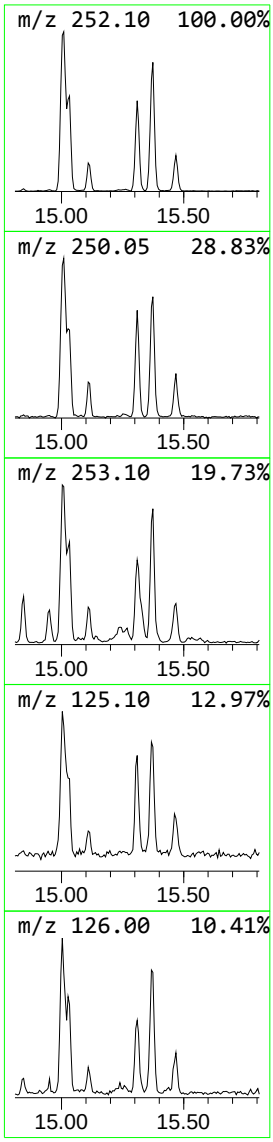
Peak Number 17 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.309	11.58 ng	222228	Perylene-d12	15.439

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Perylene	252	C20H12	000198-55-0	95
3	Benzo[a]pyrene	252	C20H12	000050-32-8	95
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122223\
Data File : BF136698.D
Acq On : 22 Dec 2023 21:51
Operator : CG\JU
Sample : 05765-02
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RT-SB-02-10-11

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.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
2-Pentanone, 4-...	5.010	2.7	ng	53000	1	6.780	390621	20.0
9H-Fluoren-9-one	11.110	2.8	ng	51394	4	11.304	366646	20.0
Dibenzothiophene	11.198	2.8	ng	50719	4	11.304	366646	20.0
Phenanthrene, 2...	11.810	3.7	ng	67462	4	11.304	366646	20.0
Anthracene, 2-m...	11.839	9.3	ng	170223	4	11.304	366646	20.0
4H-Cyclopenta[d...	11.921	6.2	ng	114287	4	11.304	366646	20.0
Phenanthrene, 3...	11.945	2.3	ng	41177	4	11.304	366646	20.0
Naphthalene, 2-...	12.104	2.7	ng	49619	4	11.304	366646	20.0
9,10-Anthracene...	12.133	3.6	ng	66986	4	11.304	366646	20.0
Phenanthrene, 2...	12.363	2.6	ng	47227	4	11.304	366646	20.0
Cyclopenta(def)...	12.445	2.6	ng	47583	4	11.304	366646	20.0
Benzo[b]naphtho...	13.704	2.2	ng	103350	5	13.962	952364	20.0
11H-Benzo[a]flu...	13.804	2.4	ng	111920	5	13.962	952364	20.0
Benzo[b]naphtho...	13.874	2.0	ng	95567	5	13.962	952364	20.0
2-propenamide, ...	14.821	2.5	ng	47740	6	15.439	383832	20.0
Benzo[e]pyrene	15.109	3.0	ng	57829	6	15.439	383832	20.0
Perylene	15.309	11.6	ng	222228	6	15.439	383832	20.0