LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122723\
Data File : BF136772.D
Acq On : 27 Dec 2023 22:32
Operator : CG\JU
Sample : 05827-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RT-SB-09-10.5-11.5

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

Signal : TIC: BF136772.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.022	494	499	508	rVB	42227	52346	3.05%	0.275%
2	5.428	564	568	571	rBV	1502345	1302268	75.78%	6.832%
3	6.428	734	738	741	rBV	1463033	1412854	82.21%	7.412%
4	6.781	795	798	805	rVB	519747	400980	23.33%	2.104%
5	7.345	889	894	897	rBV	1093176	947493	55.13%	4.971%
6	8.057	1009	1015	1018	rBV	657445	531774	30.94%	2.790%
7	9.139	1194	1199	1202	rBV	1860408	1718538	100.00%	9.016%
8	9.674	1287	1290	1294	rBV	30441	23010	1.34%	0.121%
9	9.816	1310	1314	1317	rBV	710261	567680	33.03%	2.978%
10	10.610	1445	1449	1461	rBV	660043	646150	37.60%	3.390%
11	11.110	1531	1534	1539	rBV	104046	88399	5.14%	0.464%
12	11.204	1547	1550	1555	rVB	33923	31571	1.84%	0.166%
13	11.310	1564	1568	1570	rBV	586516	608088	35.38%	3.190%
14	11.333	1570	1572	1575	rVV	610295	470924	27.40%	2.471%
15	11.380	1575	1580	1583	rVB2	73969	75007	4.36%	0.394%
16	11.521	1602	1604	1605	rBV	25661	18928	1.10%	0.099%
17	11.539	1605	1607	1615	rVV	82256	99483	5.79%	0.522%
18	11.604	1615	1618	1622	rVV2	33071	35485	2.06%	0.186%
19	11.639	1622	1624	1630	rVB2	38877	43739	2.55%	0.229%
20	11.810	1649	1653	1655	rBV	113178	95335	5.55%	0.500%
21	11.839	1655	1658	1663	rVV	216439	186424	10.85%	0.978%
22	11.886	1663	1666	1668	rVB	24732	22824	1.33%	0.120%
23	11.916	1668	1671	1674	rBV	63077	69019	4.02%	0.362%
24	11.945	1674	1676	1681	rVB	86736	71155	4.14%	0.373%
25	11.998	1681	1685	1686	rBV3	22306	24043	1.40%	0.126%
26	12.110	1699	1704	1706	rBV	91697	81774	4.76%	0.429%
27	12.133	1706	1708	1712	rVB	88092	78641	4.58%	0.413%
28	12.257	1727	1729	1732	rVB3	22532	19969	1.16%	0.105%
29	12.286	1732	1734	1737	rBV	31126	27712	1.61%	0.145%
30	12.315	1737	1739	1741	rVB	27307	19522	1.14%	0.102%
31	12.363	1742	1747	1751	rBV2	126922	154142	8.97%	0.809%
32	12.451	1759	1762	1765	rVB	175137	149157	8.68%	0.783%
33	12.527	1771	1775	1779	rBV	1182316	1026630	59.74%	5.386%
34	12.574	1779	1783	1784	rBV	19290	22384	1.30%	0.117%
35	12.586	1784	1785	1788	rVB2	23993	19267	1.12%	0.101%
36	12.621	1788	1791	1794	rBV	47031	40408	2.35%	0.212%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122723\
Data File : BF136772.D
Acq On : 27 Dec 2023 22:32
Operator : CG\JU
Sample : 05827-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RT-SB-09-10.5-11.5

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

37	12.674	1794	1800	1804	rVB3	34872	65301	3.80%	0.343%
38	12.757	1807	1814	1817	rBV2	925888	907751	52.82%	4.762%
39	12.804	1820	1822	1828	rVB2	63658	66737	3.88%	0.350%
40	12.874	1831	1834	1835	rBV	66600	55598	3.24%	0.292%
41	12.904	1835	1839	1846	rVB	1468929	1312920	76.40%	6.888%
42	12.980	1846	1852	1855	rBV2	74282	118913	6.92%	0.624%
43	13.063	1863	1866	1872	rVB2	82767	128670	7.49%	0.675%
44	13.192	1883	1888	1891	rBV2	105136	115646	6.73%	0.607%
45	13.280	1900	1903	1906	rBV	48220	43040	2.50%	0.226%
46	13.315	1906	1909	1914	rBV2	44817	63750	3.71%	0.334%
47	13.480	1932	1937	1939	rBV4	34754	47996	2.79%	0.252%
48	13.539	1945	1947	1950	rBV3	14058	17691	1.03%	0.093%
49	13.598	1954	1957	1961	rBV	229960	201686	11.74%	1.058%
50	13.657	1965	1967	1971	rVB3	21547	21895	1.27%	0.115%
51	13.704	1971	1975	1978	rBV2	139432	152593	8.88%	0.801%
52	13.733	1978	1980	1983	rBV	69044	61346	3.57%	0.322%
53	13.762	1983	1985	1990	rBV2	52455	70573	4.11%	0.370%
54	13.810	1990	1993	1996	rVB	189416	162316	9.45%	0.852%
55	13.845	1996	1999	2000	rBV3	40353	39841	2.32%	0.209%
56	13.957	2014	2018	2021	rBV2	599755	894841	52.07%	4.695%
57	13.992	2021	2024	2031	rVB	470158	488122	28.40%	2.561%
58	14.109	2041	2044	2046	rBV	104059	94126	5.48%	0.494%
59	14.192	2056	2058	2061	rVB	46874	37776	2.20%	0.198%
60	14.221	2061	2063	2066	rBV4	33010	37795	2.20%	0.198%
61	14.351	2082	2085	2088	rVB	115510	105347	6.13%	0.553%
62	14.386	2088	2091	2095	rBV2	65809	73155	4.26%	0.384%
63	14.745	2147	2152	2155	rBV3	28738	56353	3.28%	0.296%
64	14.774	2155	2157	2160	rVB4	40932	38320	2.23%	0.201%
65	14.921	2179	2182	2185	rVB3	34846	39293	2.29%	0.206%
66	15.009	2193	2197	2200	rBV	430283	632718	36.82%	3.319%
67	15.086	2207	2210	2213	rBV2	41786	46787	2.72%	0.245%
68	15.115	2213	2215	2219	rVB	66672	69475	4.04%	0.364%
69	15.315	2245	2249	2255	rVB	222638	302485	17.60%	1.587%
70	15.380	2255	2260	2266	rVB	278929	339007	19.73%	1.779%
71	15.445	2266	2271	2274	rBV	315099	402743	23.44%	2.113%
72	15.474	2274	2276	2283	rVB2	91809	127730	7.43%	0.670%
73	16.939	2519	2525	2532	rVB2	121689	240630	14.00%	1.262%
74	17.127	2552	2557	2561	rBV3	20027	36142	2.10%	0.190%
75	17.392	2597	2602	2610	rVB	84415	161159	9.38%	0.845%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122723\
Data File : BF136772.D
Acq On : 27 Dec 2023 22:32
Operator : CG\JU
Sample : 05827-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RT-SB-09-10.5-11.5

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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

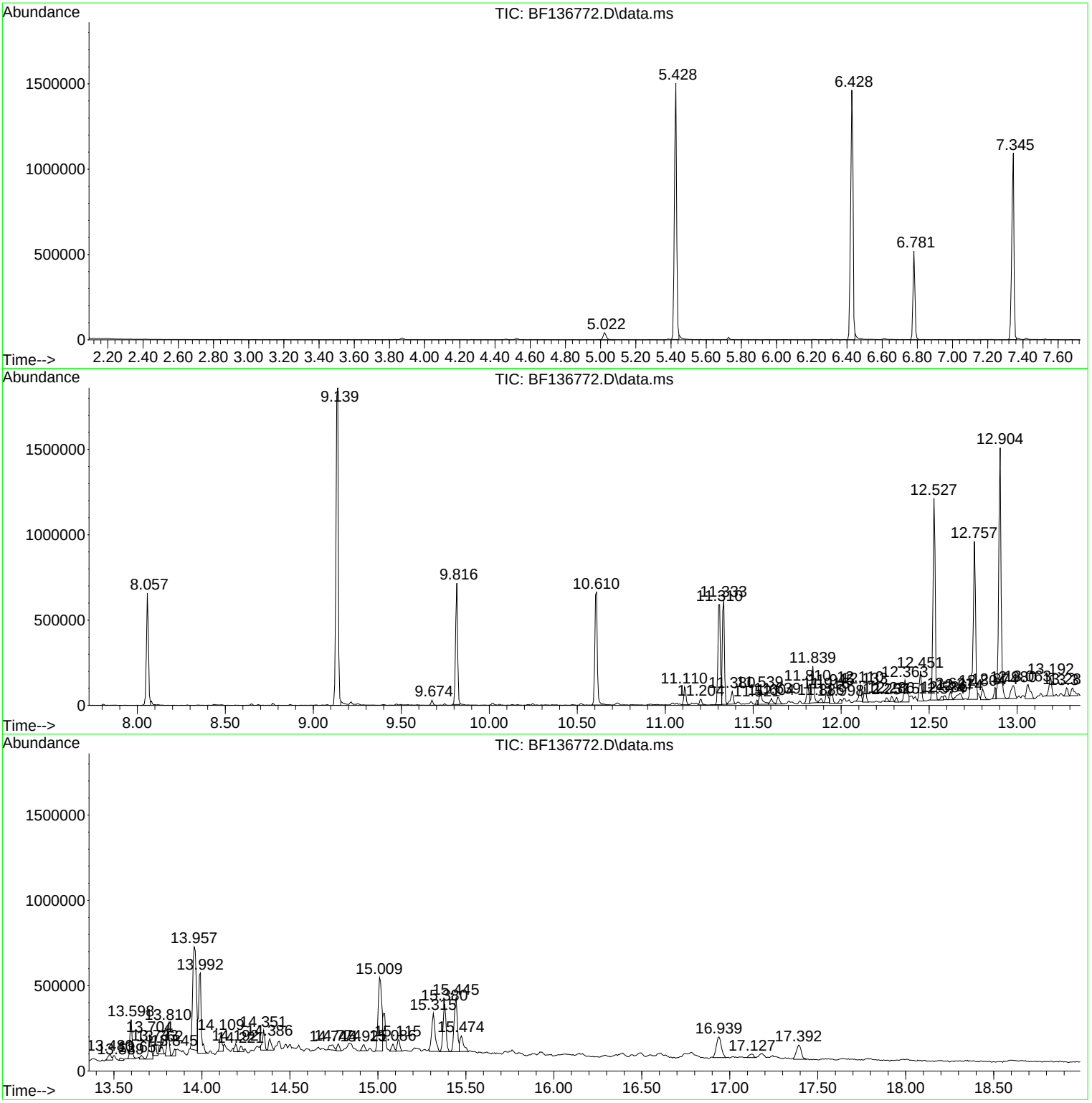
Sum of corrected areas: 19061390

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122723\
Data File : BF136772.D
Acq On : 27 Dec 2023 22:32
Operator : CG\JU
Sample : 05827-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RT-SB-09-10.5-11.5

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\BF122723\
Data File : BF136772.D
Acq On : 27 Dec 2023 22:32
Operator : CG\JU
Sample : 05827-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RT-SB-09-10.5-11.5

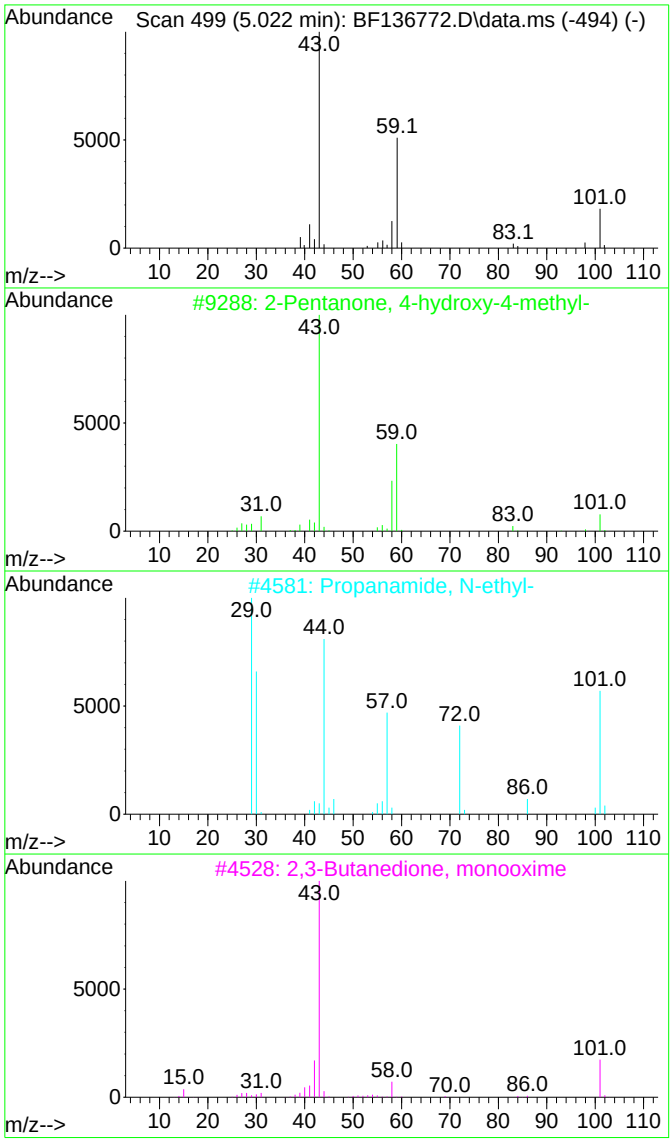
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

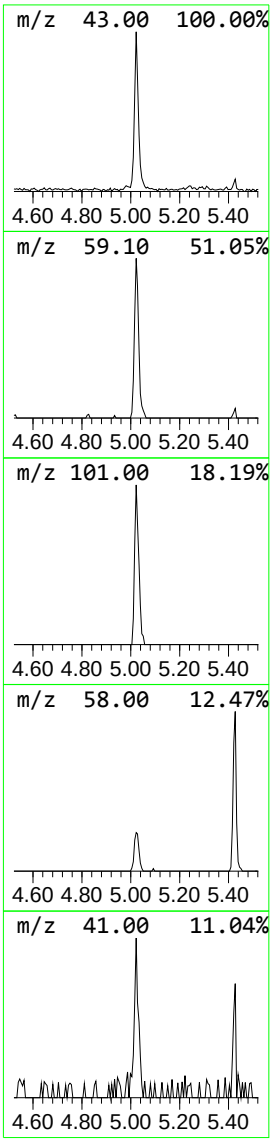
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.022	2.61 ng	52346	1,4-Dichlorobenzene-d4	6.781

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Propanamide, N-ethyl-	101	C5H11NO	005129-72-6	9
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
4	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122723\
Data File : BF136772.D
Acq On : 27 Dec 2023 22:32
Operator : CG\JU
Sample : 05827-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RT-SB-09-10.5-11.5

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

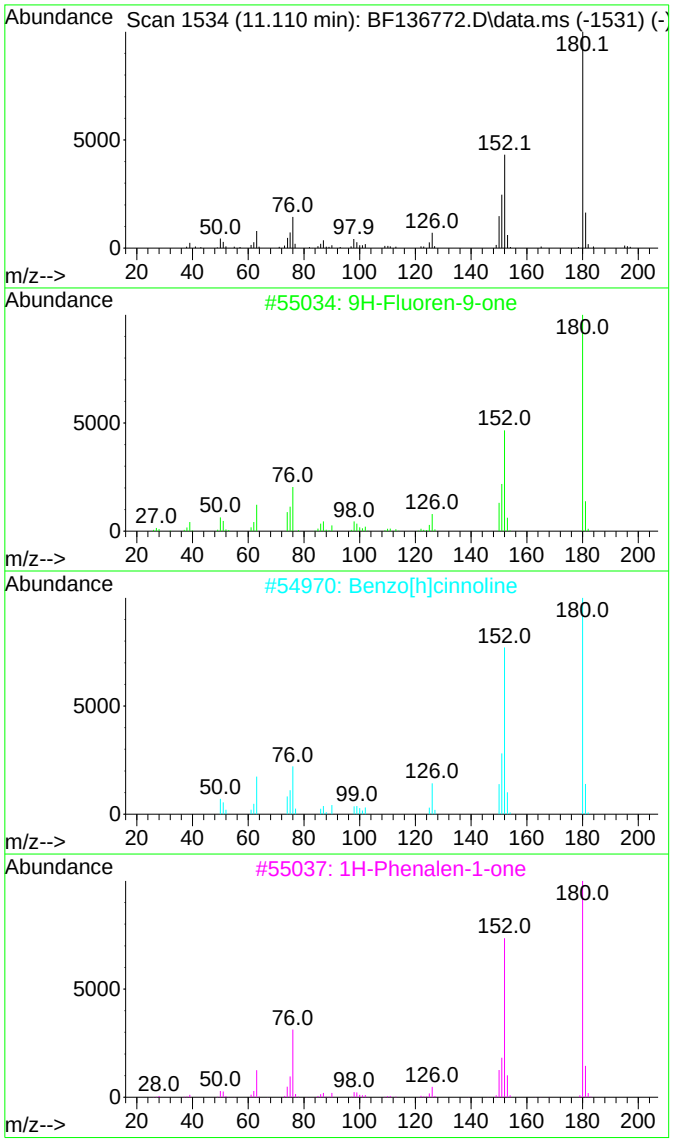
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

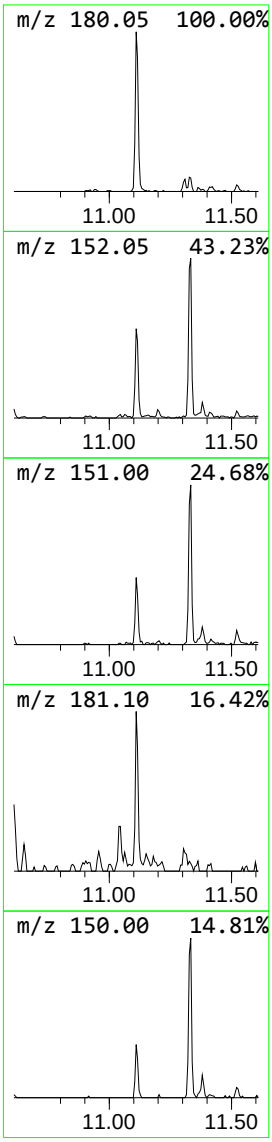
****

Peak Number 2 9H-Fluoren-9-one Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.110	2.91 ng	88399	Phenanthrene-d10	11.310

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	97
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	87
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	64
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\BF122723\
Data File : BF136772.D
Acq On : 27 Dec 2023 22:32
Operator : CG\JU
Sample : 05827-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RT-SB-09-10.5-11.5

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

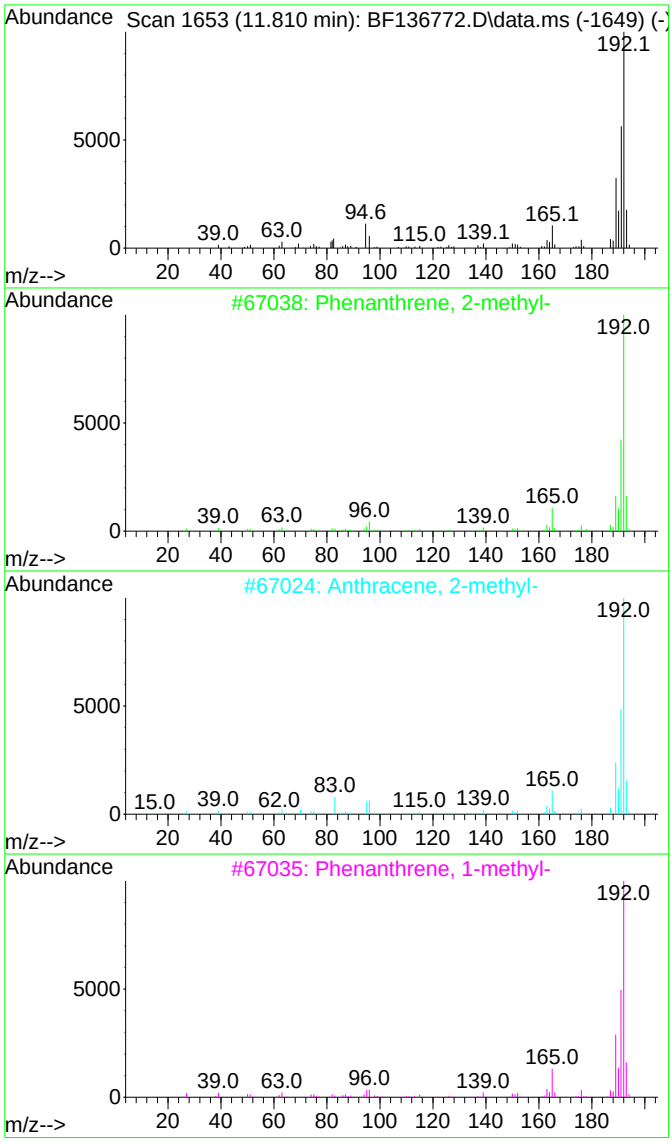
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

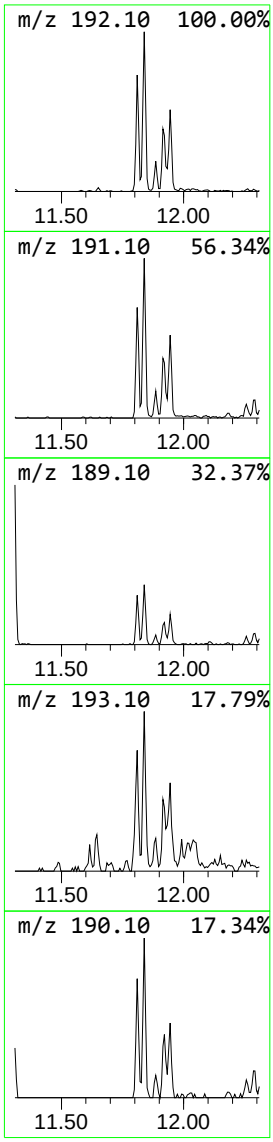
****

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.810	3.14 ng	95335	Phenanthrene-d10	11.310

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	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122723\
Data File : BF136772.D
Acq On : 27 Dec 2023 22:32
Operator : CG\JU
Sample : 05827-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RT-SB-09-10.5-11.5

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

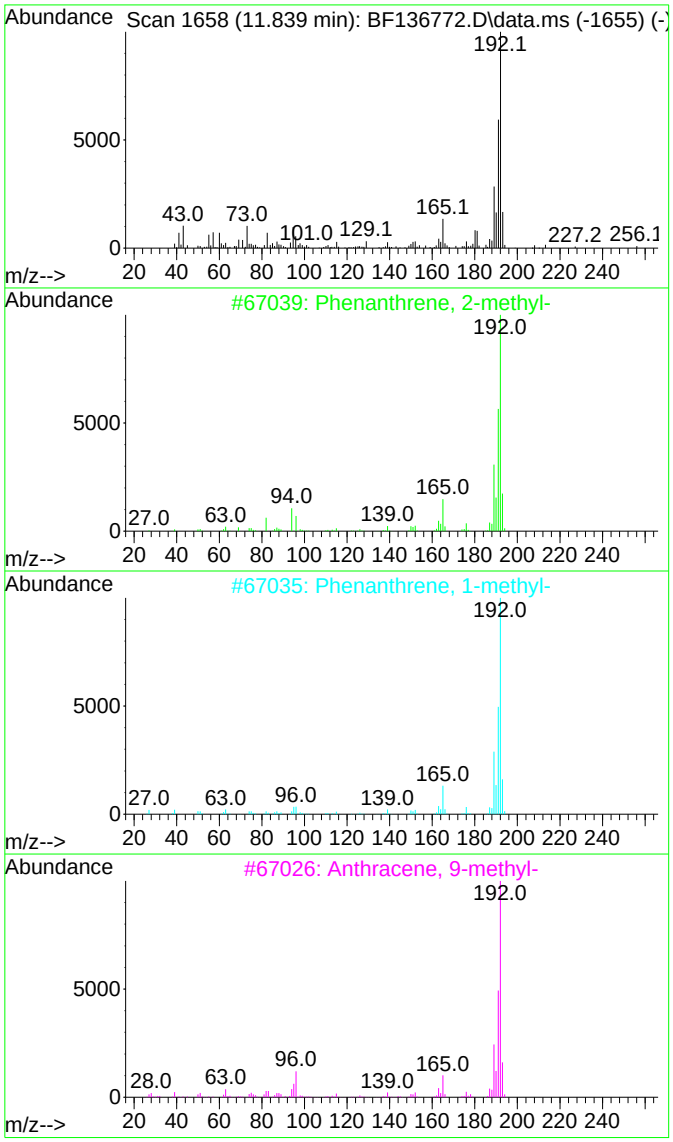
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

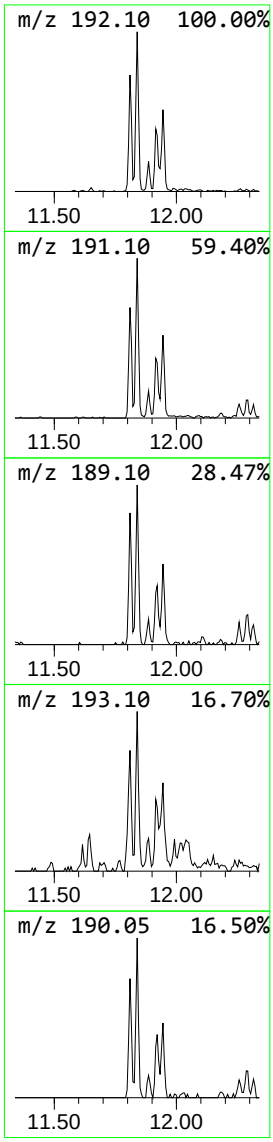
****

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.839	6.13 ng	186424	Phenanthrene-d10	11.310

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122723\
Data File : BF136772.D
Acq On : 27 Dec 2023 22:32
Operator : CG\JU
Sample : 05827-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RT-SB-09-10.5-11.5

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

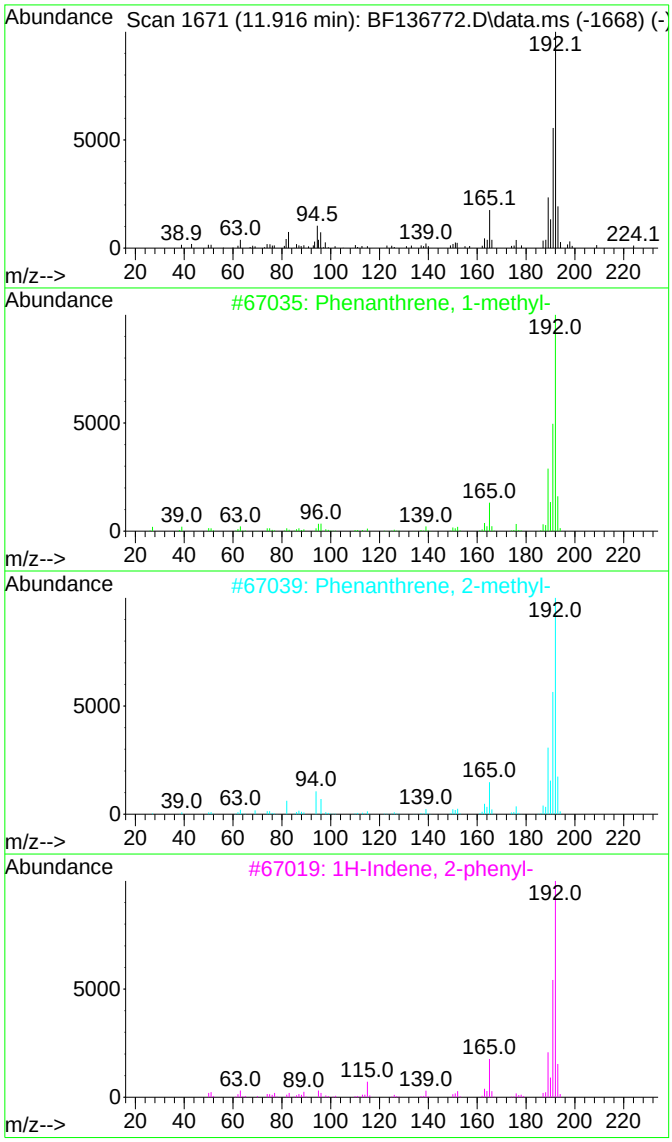
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

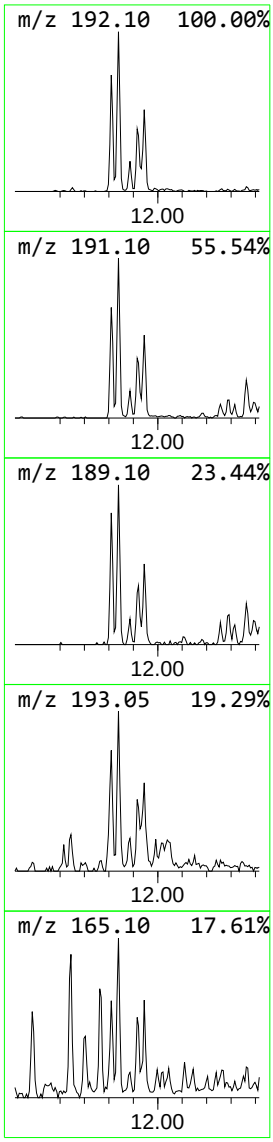
****

Peak Number 5 1H-Indene, 2-phenyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.916	2.27 ng	69019	Phenanthrene-d10	11.310

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122723\
Data File : BF136772.D
Acq On : 27 Dec 2023 22:32
Operator : CG\JU
Sample : 05827-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RT-SB-09-10.5-11.5

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

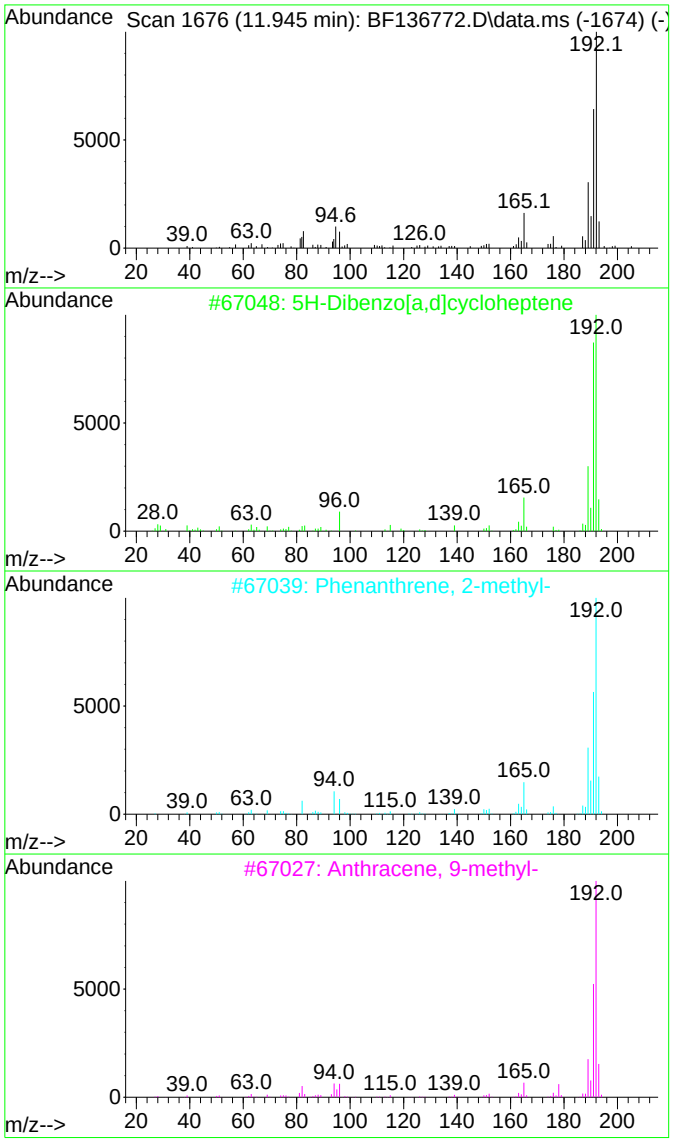
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

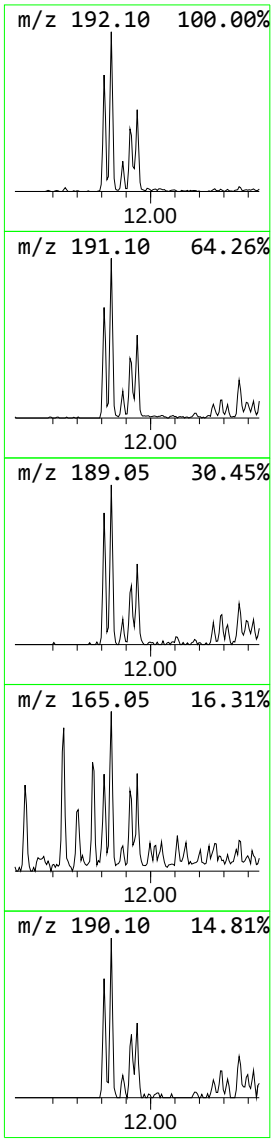
****

Peak Number 6 5H-Dibenzo[a,d]cycloheptene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.945	2.34 ng	71155	Phenanthrene-d10	11.310

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	89
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87





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RT-SB-09-10.5-11.5

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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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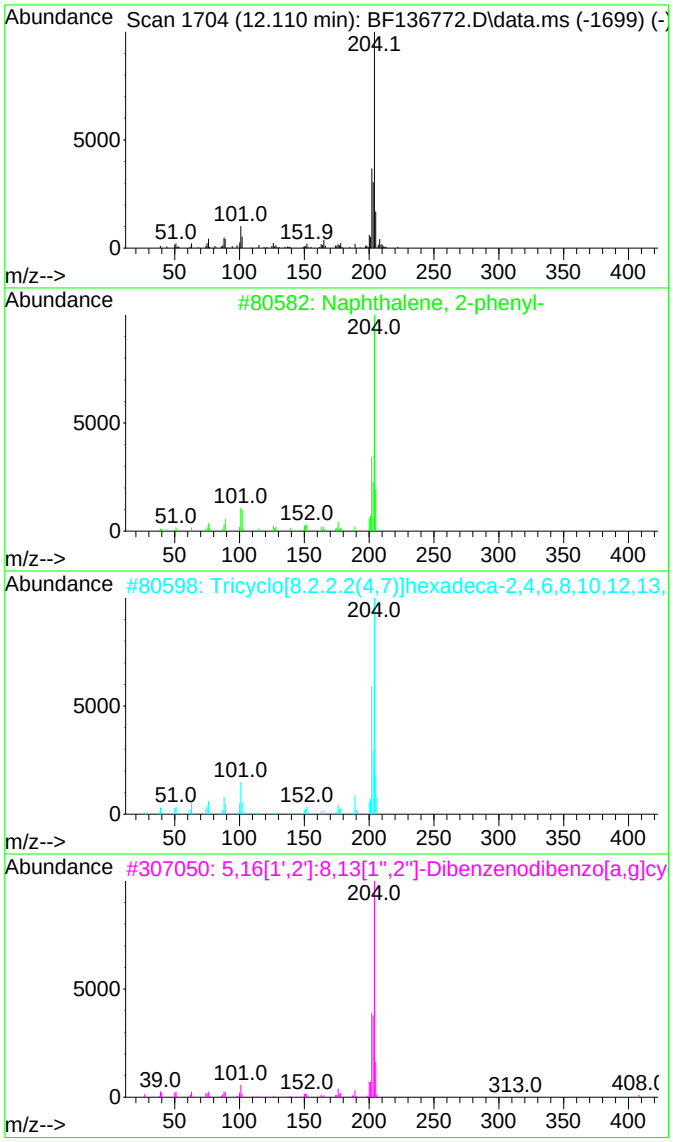
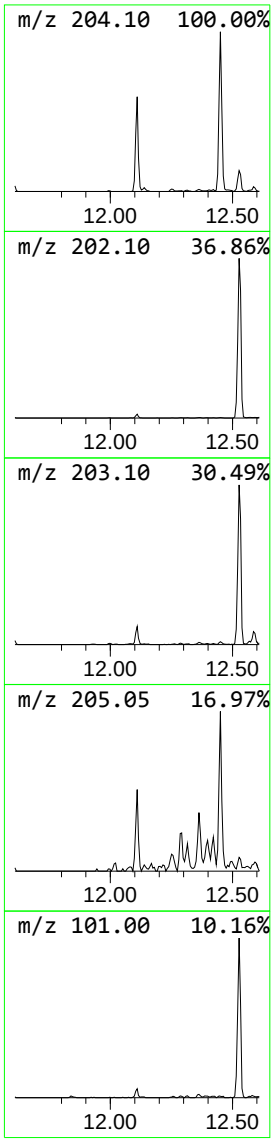
Peak Number 7 Naphthalene, 2-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.110	2.69 ng	81774	Phenanthrene-d10	11.310

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	64
4	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	53
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	50





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Instrument :
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ClientSampleId :
RT-SB-09-10.5-11.5

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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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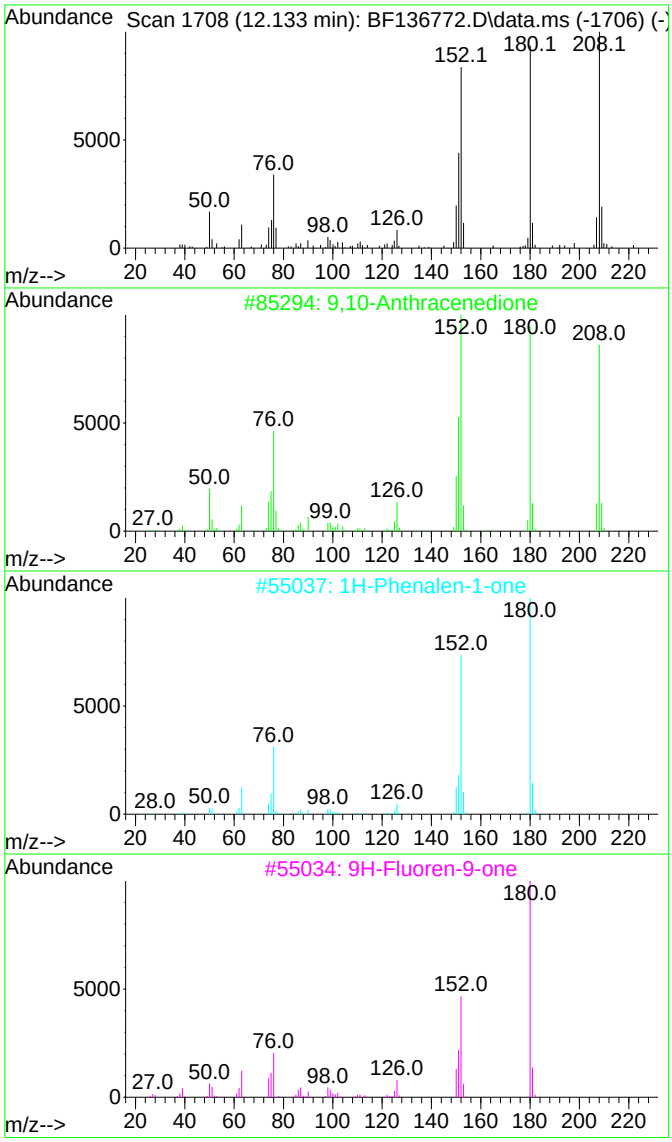
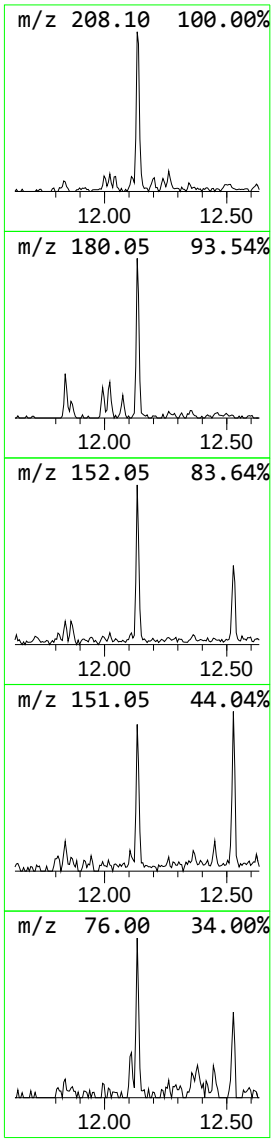
Peak Number 8 9,10-Anthracenedione Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.133	2.59 ng	78641	Phenanthrene-d10	11.310

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	1H-Phenalen-1-one	180	C13H8O	000548-39-0	92
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	86
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	55





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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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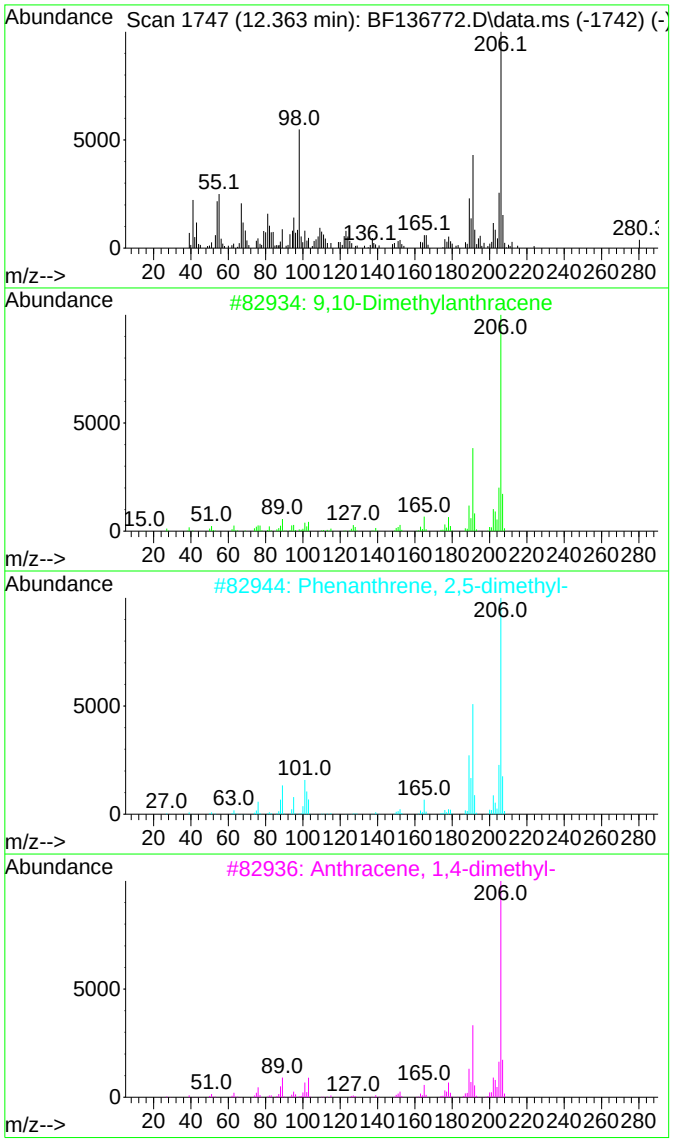
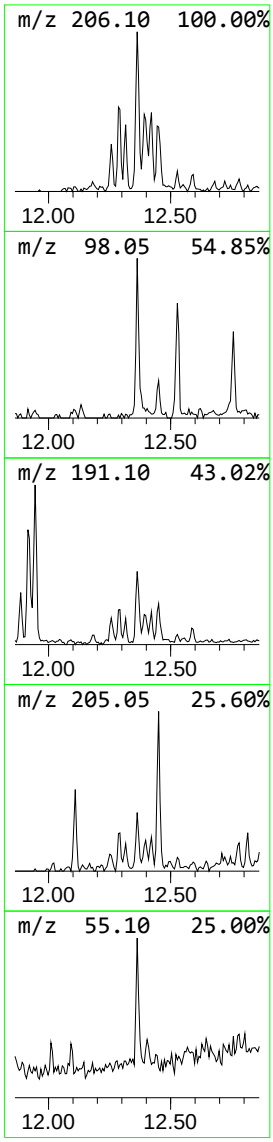
Peak Number 9 9,10-Dimethylanthracene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.363	5.07 ng	154142	Phenanthrene-d10	11.310

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	89
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	83
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	83
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	83





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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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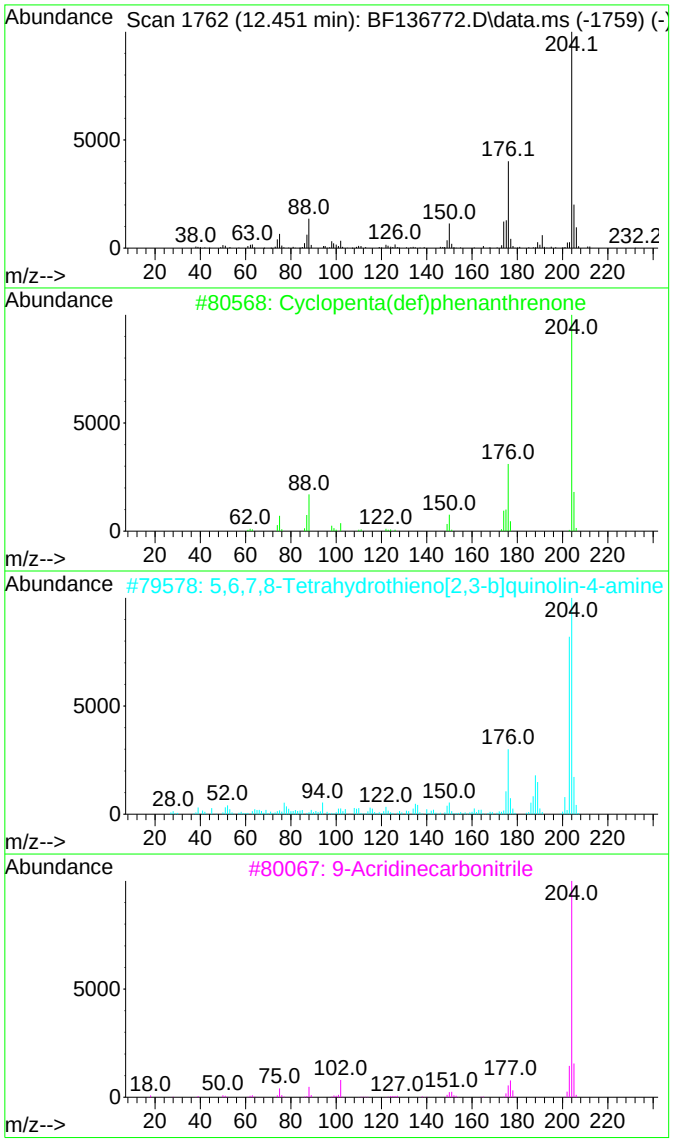
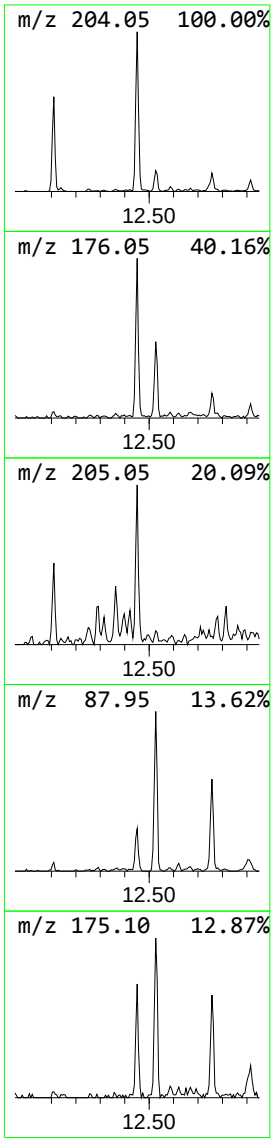
Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.451	4.91 ng	149157	Phenanthrene-d10	11.310

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	50
3	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	47
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	46
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	43





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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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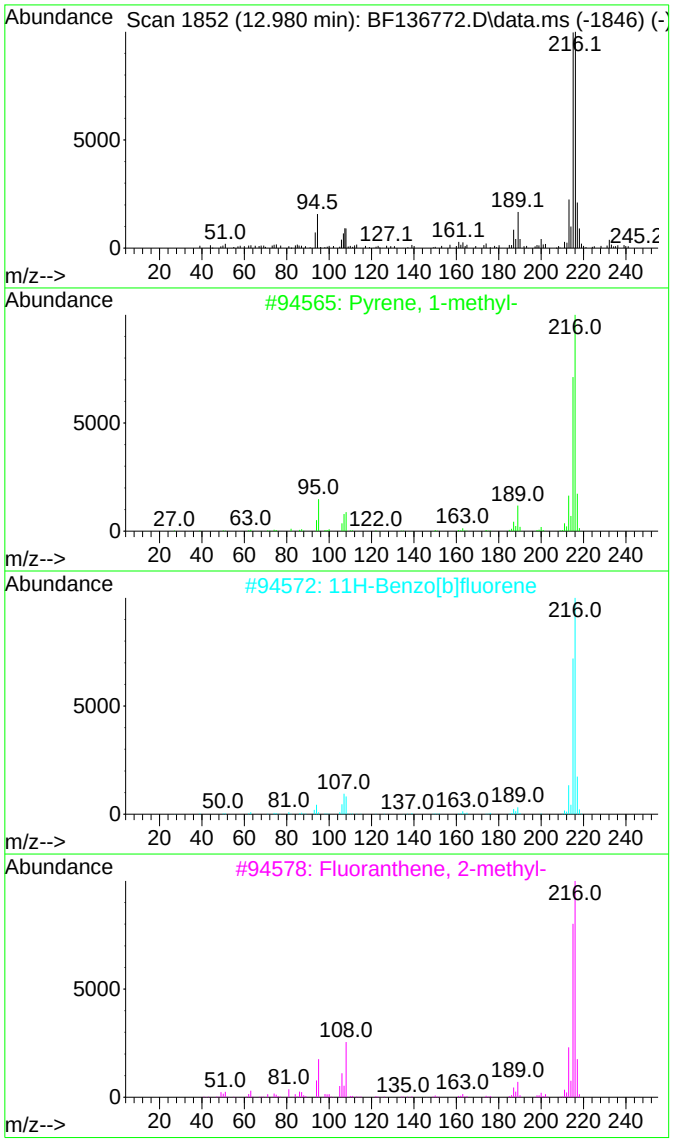
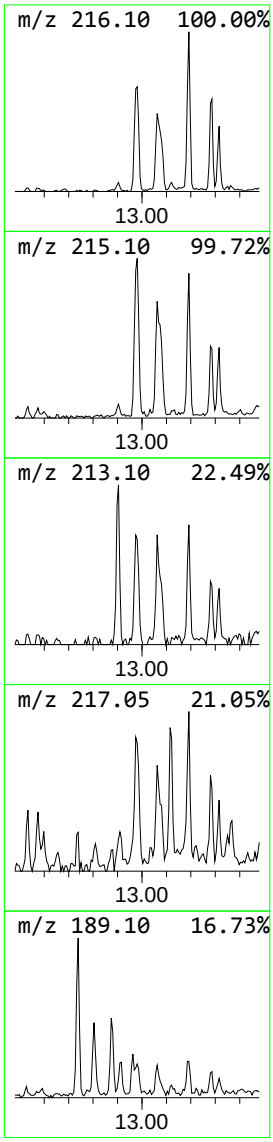
Peak Number 11 Pyrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.980	2.66 ng	118913	Chrysene-d12	13.962

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	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64





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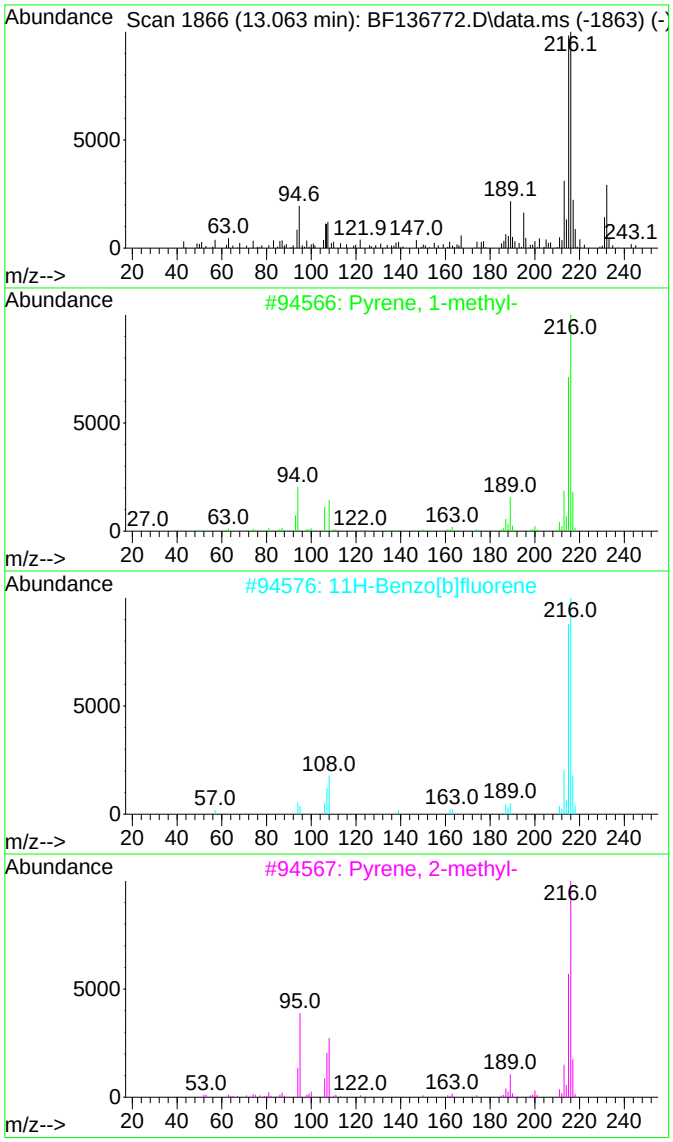
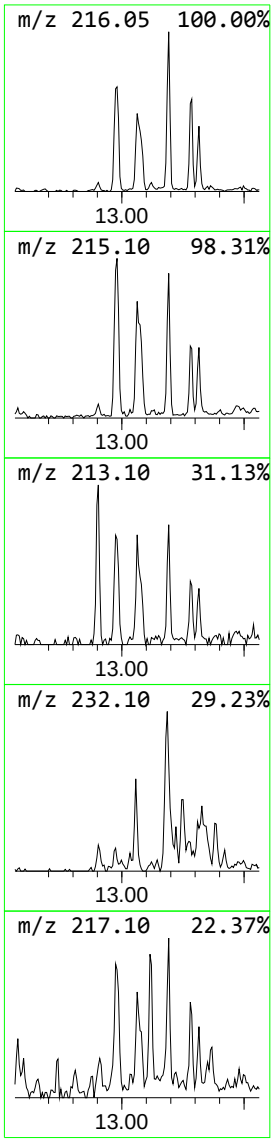
Peak Number 12 11H-Benzo[b]fluorene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.063	2.88 ng	128670	Chrysene-d12	13.962

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	92
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	70
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	58





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Misc :
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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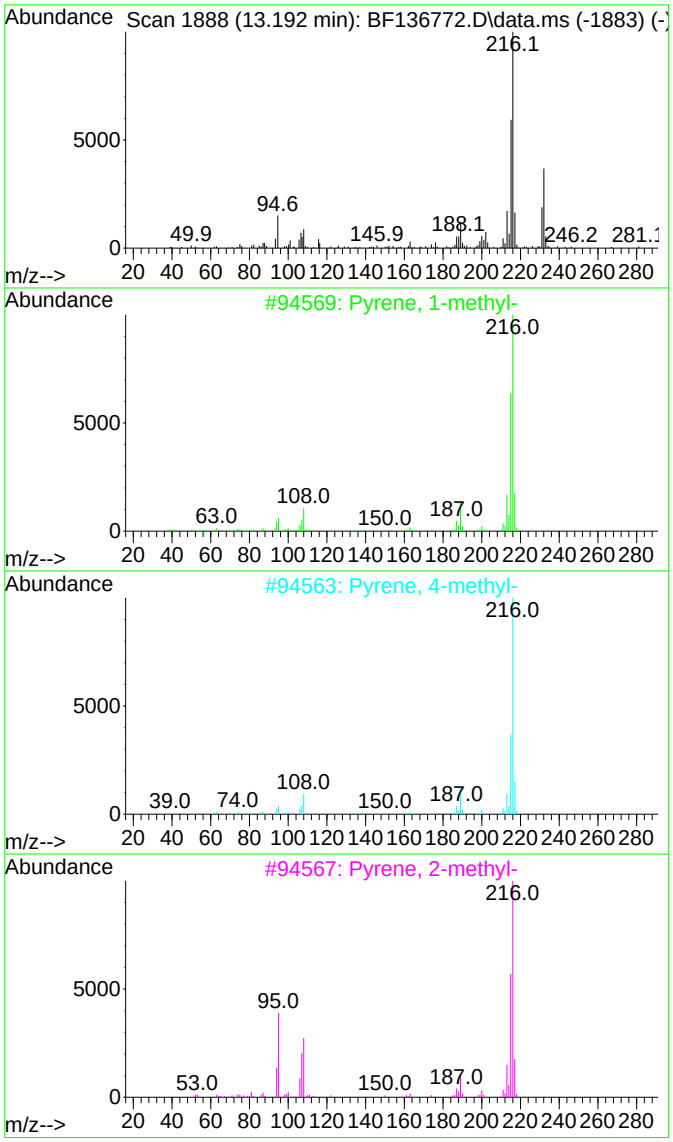
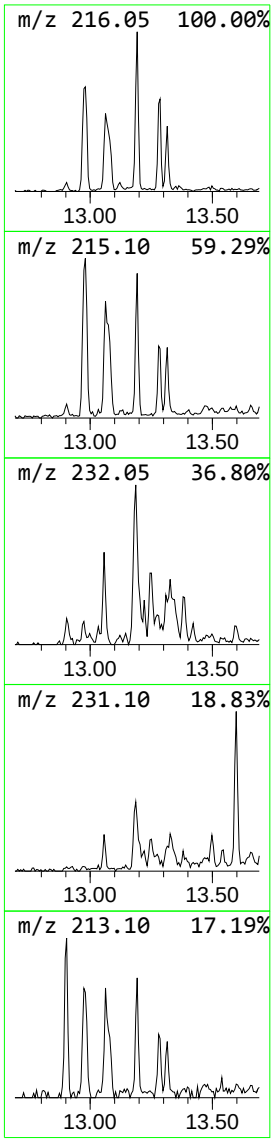
Peak Number 13 Pyrene, 4-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.192	2.58 ng	115646	Chrysene-d12	13.962

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	89
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	70





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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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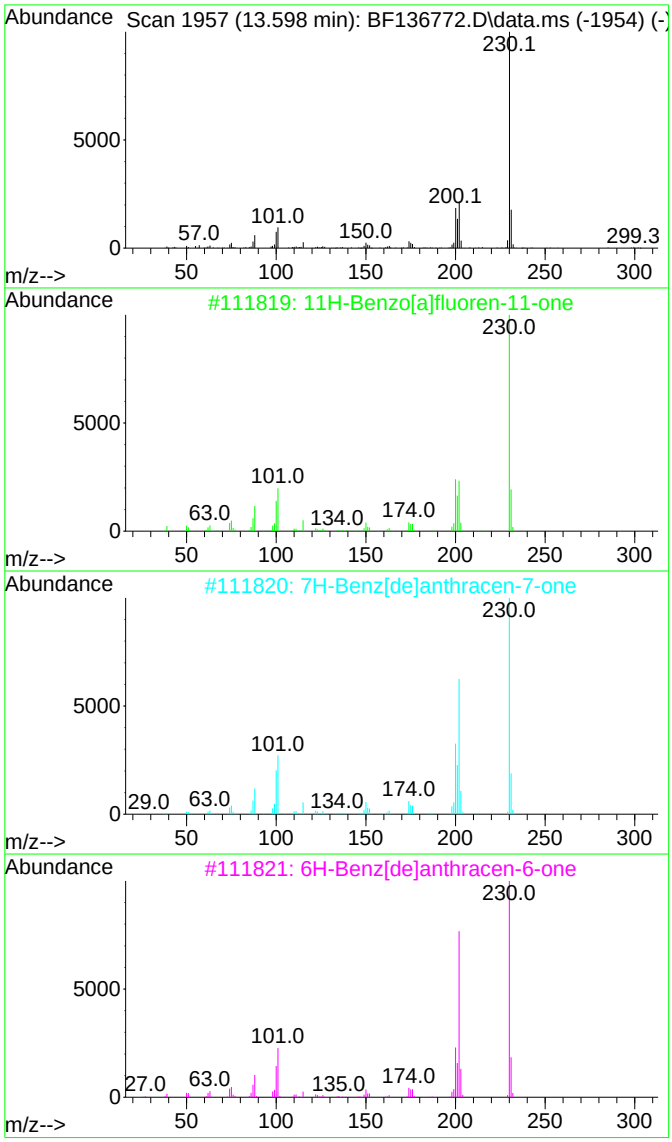
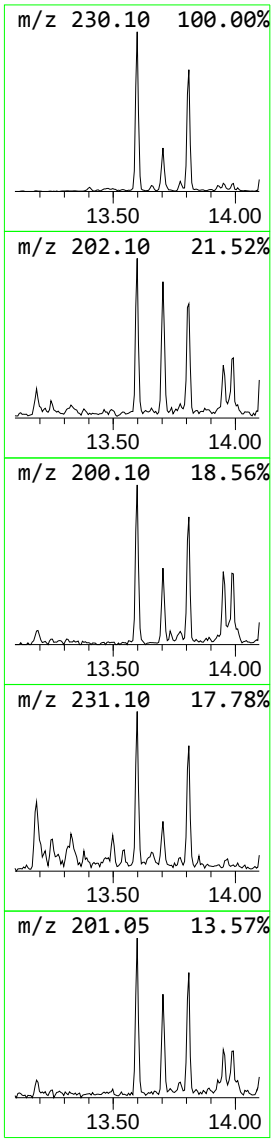
Peak Number 14 11H-Benzo[a]fluoren-11-one Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.598	4.51 ng	201686	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	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	90
4	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	72
5	o-Terphenyl	230	C18H14	000084-15-1	64





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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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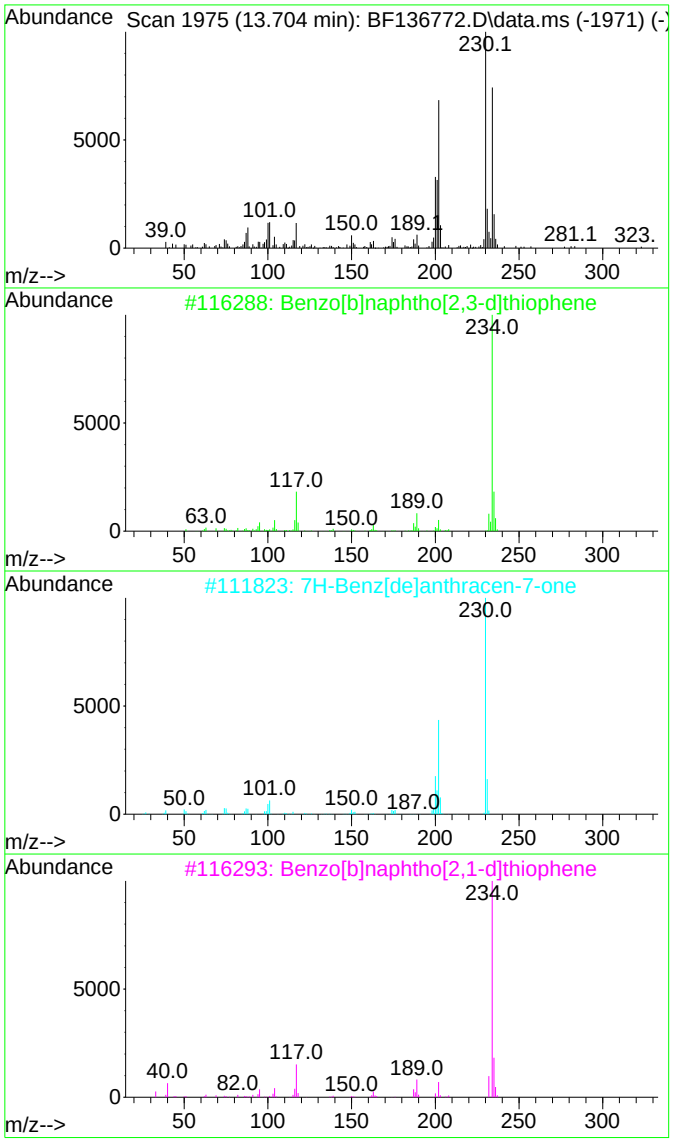
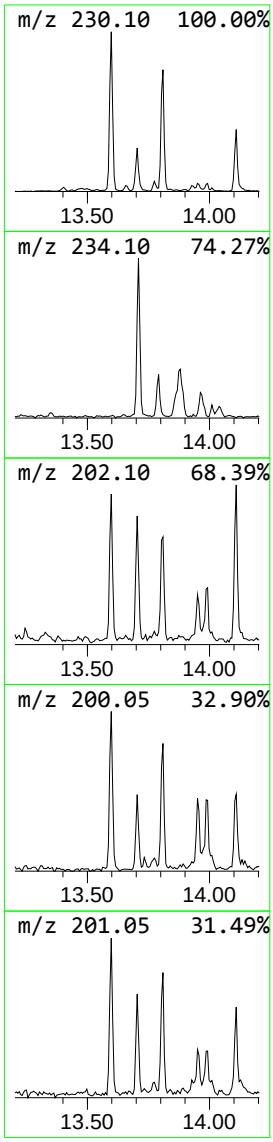
Peak Number 15 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.704	3.41 ng	152593	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	93
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	92
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	86
4	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	70
5	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	62





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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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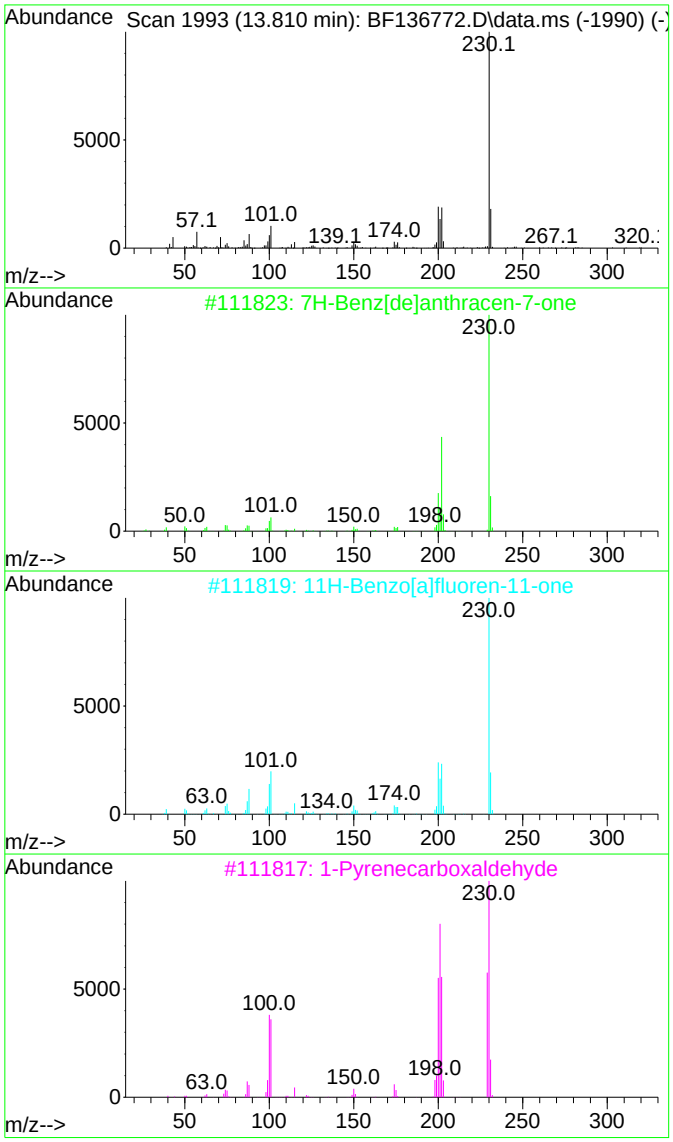
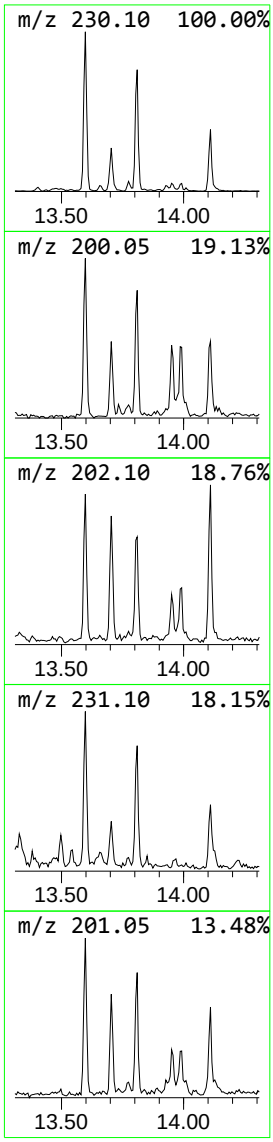
Peak Number 16 7H-Benz[de]anthracen-7-one Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.810	3.63 ng	162316	Chrysene-d12	13.962

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
2	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	83
3	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	72
4	o-Terphenyl	230	C18H14	000084-15-1	59
5	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	59





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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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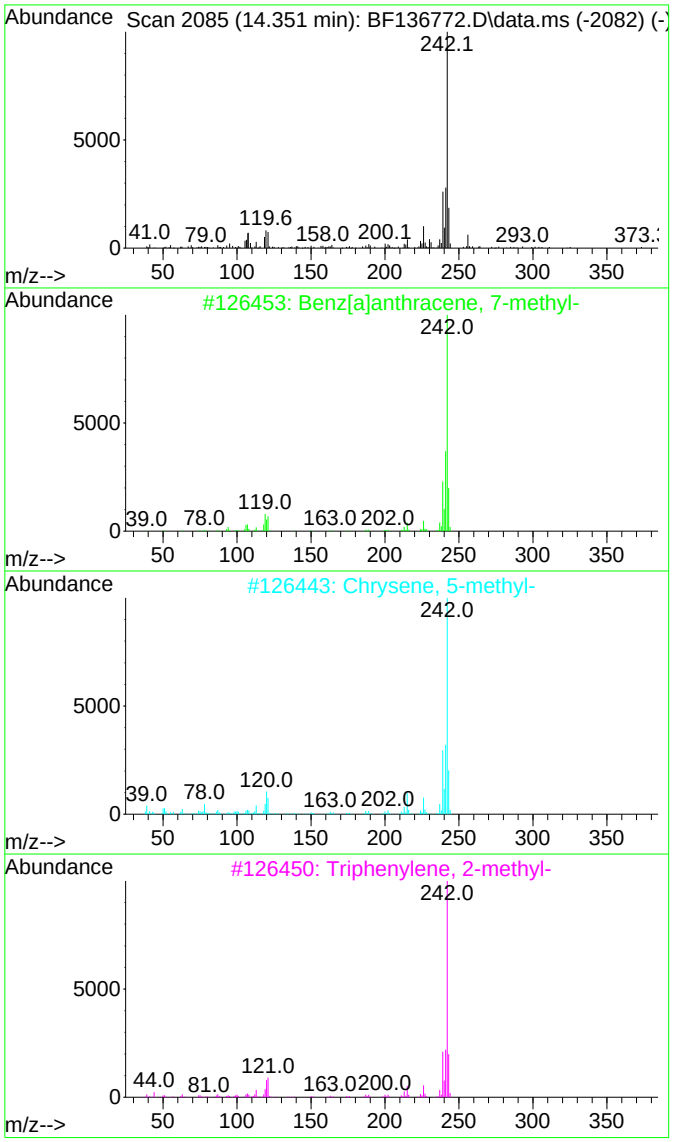
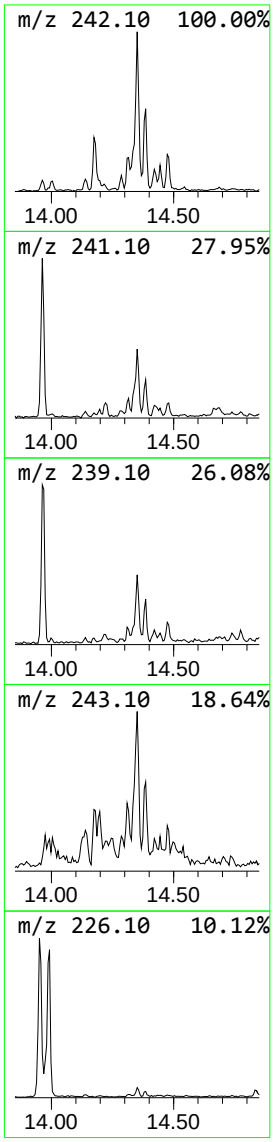
Peak Number 17 Benz[a]anthracene, 7-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.351	2.35 ng	105347	Chrysene-d12	13.962

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	94
2	Chrysene, 5-methyl-	242	C19H14	003697-24-3	89
3	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	89
4	Chrysene, 1-methyl-	242	C19H14	003351-28-8	89
5	Benz[a]anthracene, 2-methyl-	242	C19H14	002498-76-2	89





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BNA_F
ClientSampleId :
RT-SB-09-10.5-11.5

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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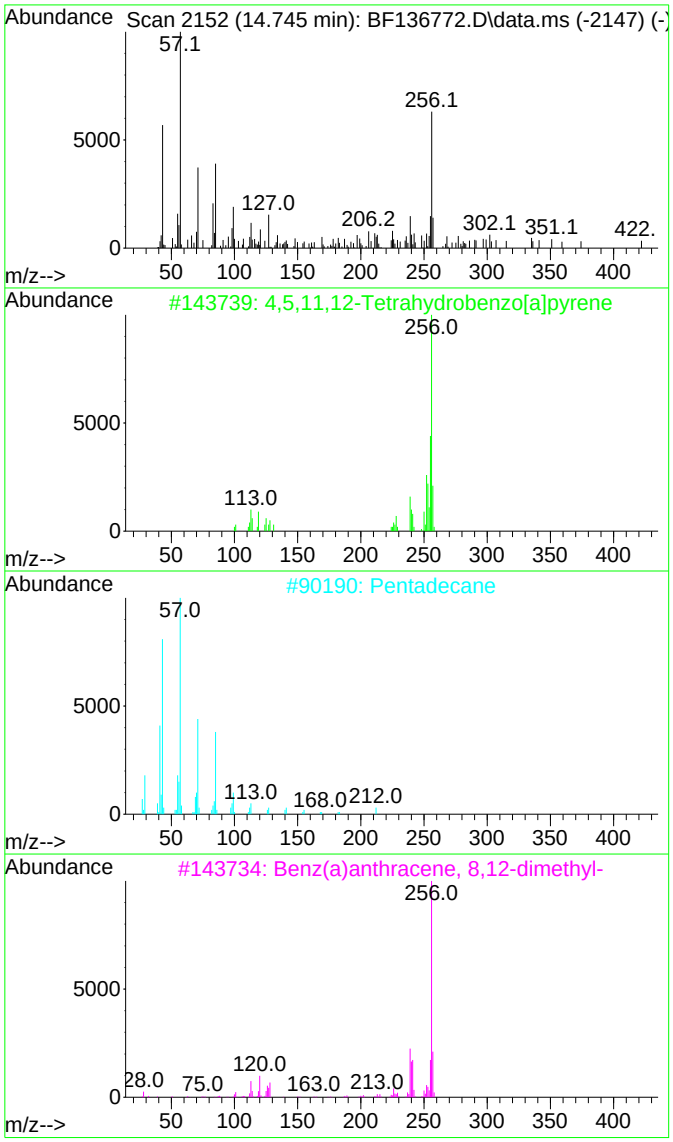
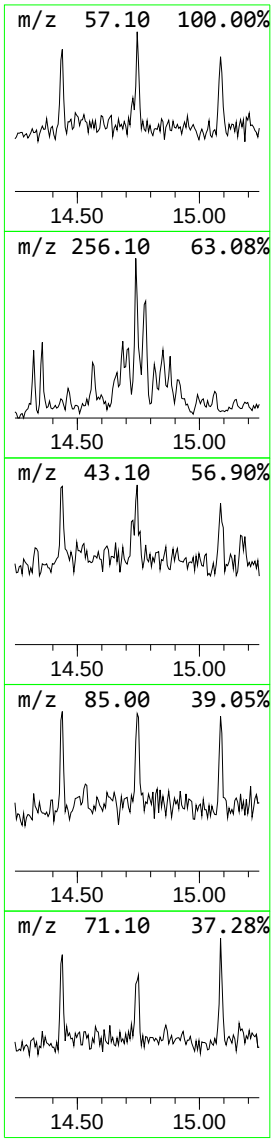
Peak Number 18 unknown14.745 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.745	2.80 ng	56353	Perylene-d12	15.445

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,5,11,12-Tetrahydrobenzo[a]pyrene	256	C20H16	109292-58-2	46
2	Pentadecane	212	C15H32	000629-62-9	38
3	Benz(a)anthracene, 8,12-dimethyl-	256	C20H16	020627-31-0	35
4	Benzo[c]phenanthrene, 5,8-dimethyl-	256	C20H16	054986-63-9	35
5	Benz(a)anthracene, 6,7-dimethyl-	256	C20H16	020627-28-5	35





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122723\
Data File : BF136772.D
Acq On : 27 Dec 2023 22:32
Operator : CG\JU
Sample : 05827-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RT-SB-09-10.5-11.5

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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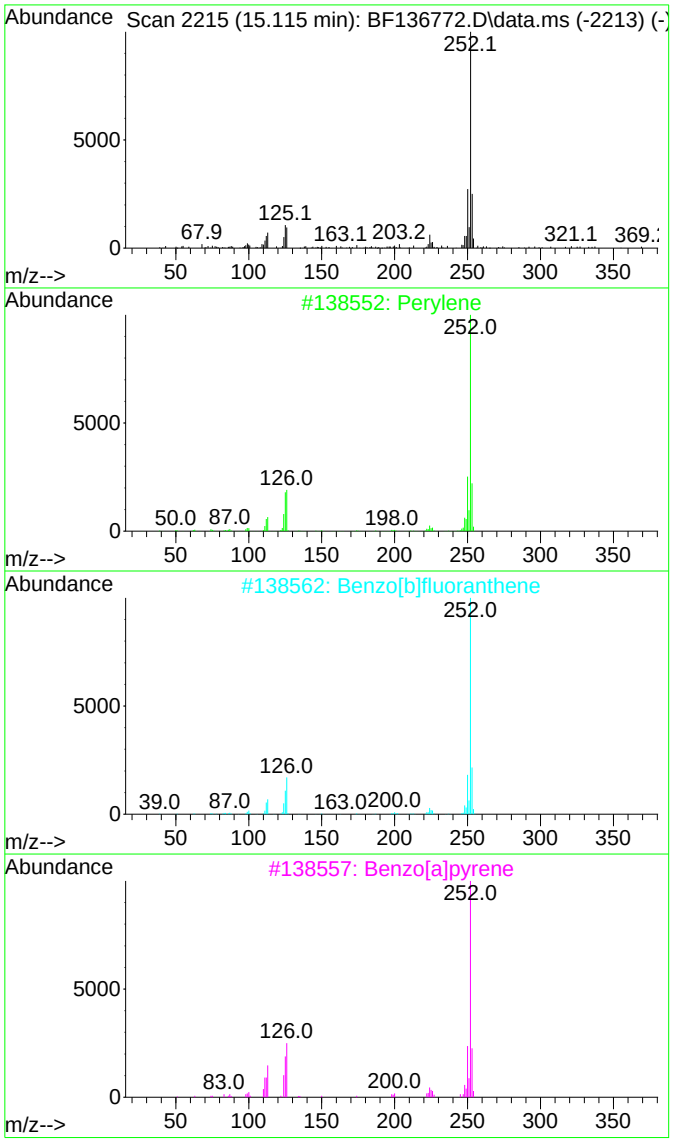
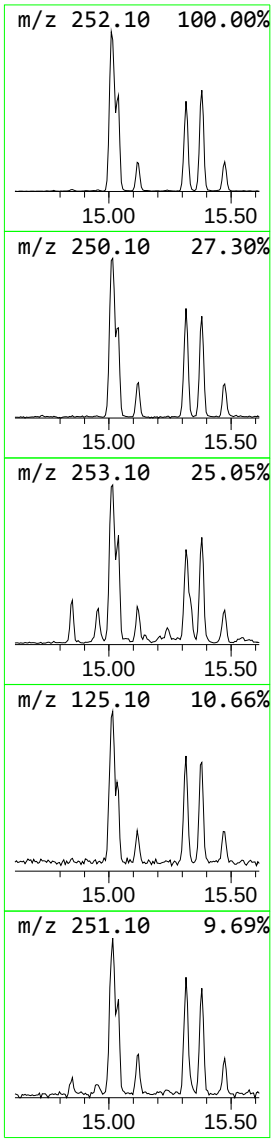
Peak Number 19 Perylene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.115	3.45 ng	69475	Perylene-d12	15.445

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	95
2	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
3	Benzo[a]pyrene	252	C20H12	000050-32-8	91
4	Benzo[e]pyrene	252	C20H12	000192-97-2	90
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122723\
Data File : BF136772.D
Acq On : 27 Dec 2023 22:32
Operator : CG\JU
Sample : 05827-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RT-SB-09-10.5-11.5

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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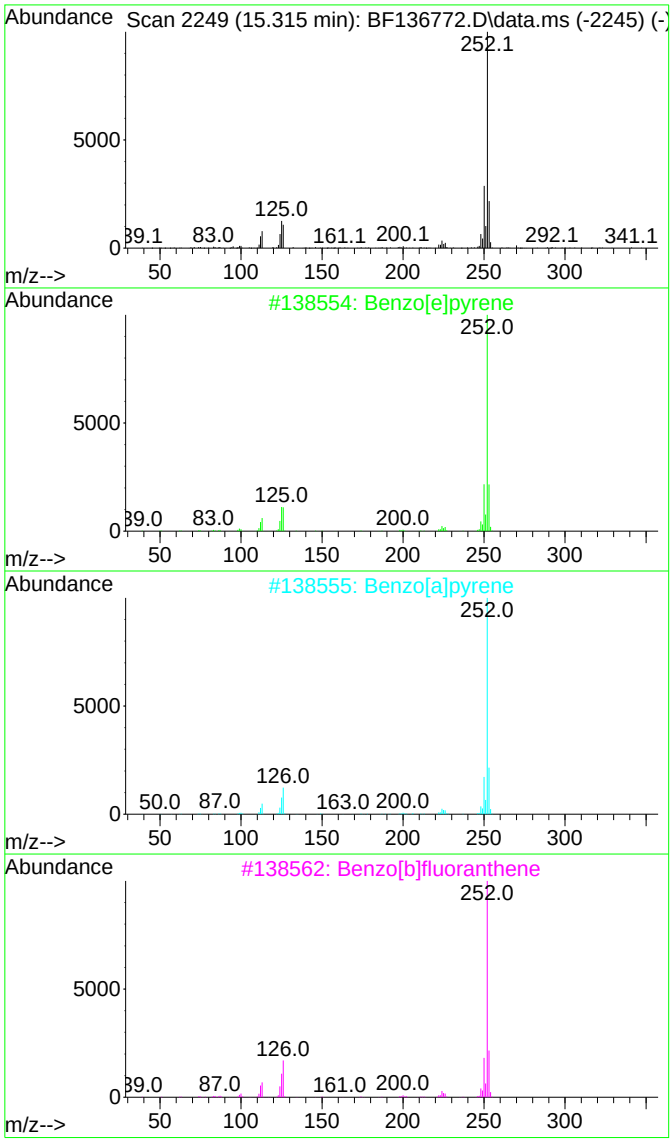
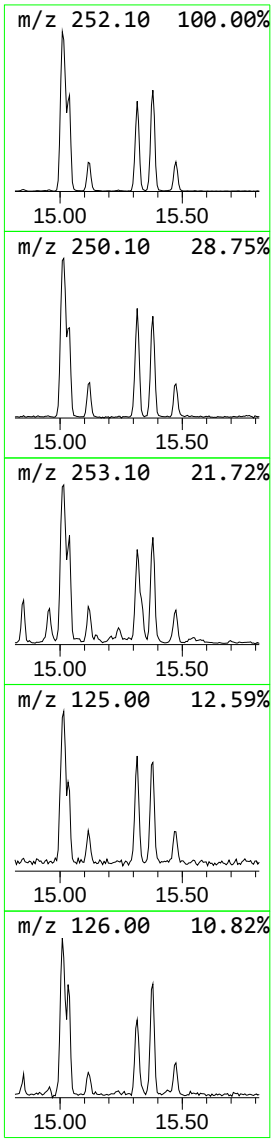
Peak Number 20 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.315	15.02 ng	302485	Perylene-d12	15.445

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[a]pyrene	252	C20H12	000050-32-8	97
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122723\
Data File : BF136772.D
Acq On : 27 Dec 2023 22:32
Operator : CG\JU
Sample : 05827-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RT-SB-09-10.5-11.5

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-...	5.022	2.6	ng	52346	1	6.781	400980	20.0
9H-Fluoren-9-one	11.110	2.9	ng	88399	4	11.310	608088	20.0
Phenanthrene, 2...	11.810	3.1	ng	95335	4	11.310	608088	20.0
Phenanthrene, 1...	11.839	6.1	ng	186424	4	11.310	608088	20.0
1H-Indene, 2-ph...	11.916	2.3	ng	69019	4	11.310	608088	20.0
5H-Dibenzo[a,d]...	11.945	2.3	ng	71155	4	11.310	608088	20.0
Naphthalene, 2-...	12.110	2.7	ng	81774	4	11.310	608088	20.0
9,10-Anthracene...	12.133	2.6	ng	78641	4	11.310	608088	20.0
9,10-Dimethylan...	12.363	5.1	ng	154142	4	11.310	608088	20.0
Cyclopenta(def)...	12.451	4.9	ng	149157	4	11.310	608088	20.0
Pyrene, 1-methyl-	12.980	2.7	ng	118913	5	13.962	894841	20.0
11H-Benzo[b]flu...	13.063	2.9	ng	128670	5	13.962	894841	20.0
Pyrene, 4-methyl-	13.192	2.6	ng	115646	5	13.962	894841	20.0
11H-Benzo[a]flu...	13.598	4.5	ng	201686	5	13.962	894841	20.0
Benzo[b]naphtho...	13.704	3.4	ng	152593	5	13.962	894841	20.0
7H-Benz[de]anth...	13.810	3.6	ng	162316	5	13.962	894841	20.0
Benz[a]anthrace...	14.351	2.4	ng	105347	5	13.962	894841	20.0
unknown14.745	14.745	2.8	ng	56353	6	15.445	402743	20.0
Perylene	15.115	3.5	ng	69475	6	15.445	402743	20.0
Benzo[e]pyrene	15.315	15.0	ng	302485	6	15.445	402743	20.0