LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
Data File : BF135971.D
Acq On : 26 Oct 2023 19:20
Operator : CG\JU
Sample : 04693-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-2(10-15)

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-BF102523.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF135971.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.116	3	5	10	rVB	371471	369722	6.33%	0.447%
2	5.451	567	572	576	rBV	3178011	3384143	57.92%	4.088%
3	6.451	737	742	745	rBV	3010783	3321856	56.85%	4.013%
4	6.828	802	806	809	rBV	1163224	1015625	17.38%	1.227%
5	7.386	896	901	904	rBV	2282761	1874156	32.08%	2.264%
6	8.104	1019	1023	1025	rBV	1777115	1357465	23.23%	1.640%
7	8.122	1025	1026	1030	rVB	451217	346455	5.93%	0.419%
8	8.816	1141	1144	1147	rVB	333989	234434	4.01%	0.283%
9	8.916	1157	1161	1164	rBV	267033	201363	3.45%	0.243%
10	9.180	1203	1206	1210	rVB	3194435	2768485	47.38%	3.345%
11	9.445	1245	1251	1255	rBV3	117677	165681	2.84%	0.200%
12	9.516	1258	1263	1266	rBV	222338	221841	3.80%	0.268%
13	9.863	1316	1322	1325	rBV	1621030	1348193	23.07%	1.629%
14	9.892	1325	1327	1331	rVB	802334	613634	10.50%	0.741%
15	9.969	1336	1340	1345	rBV2	85537	139634	2.39%	0.169%
16	10.022	1345	1349	1351	rVV2	138456	147742	2.53%	0.178%
17	10.063	1353	1356	1360	rVB	417795	362931	6.21%	0.438%
18	10.410	1411	1415	1418	rVV	958293	736523	12.61%	0.890%
19	10.457	1421	1423	1425	rVV	133391	153707	2.63%	0.186%
20	10.475	1425	1426	1428	rVV	239845	169478	2.90%	0.205%
21	10.498	1428	1430	1432	rVV	249262	204927	3.51%	0.248%
22	10.545	1436	1438	1440	rVV2	139129	144151	2.47%	0.174%
23	10.569	1440	1442	1447	rVB	196340	195633	3.35%	0.236%
24	10.651	1452	1456	1460	rVV	2136153	1838463	31.47%	2.221%
25	10.963	1502	1509	1511	rBV3	261413	380704	6.52%	0.460%
26	10.986	1511	1513	1516	rVV2	238291	226609	3.88%	0.274%
27	11.045	1520	1523	1526	rVV	185968	173890	2.98%	0.210%
28	11.110	1532	1534	1536	rVV2	156696	142619	2.44%	0.172%
29	11.210	1546	1551	1555	rBV3	164634	284025	4.86%	0.343%
30	11.245	1555	1557	1563	rVB	426229	405569	6.94%	0.490%
31	11.351	1572	1575	1577	rBV	1006972	1028028	17.59%	1.242%
32	11.386	1577	1581	1583	rVV	4788943	4827671	82.63%	5.832%
33	11.427	1583	1588	1591	rVB	1693371	1530565	26.20%	1.849%
34	11.463	1591	1594	1597	rBV	229316	214885	3.68%	0.260%
35	11.580	1608	1614	1617	rBV2	498944	581025	9.94%	0.702%
36	11.686	1629	1632	1635	rVB	254596	217153	3.72%	0.262%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
Data File : BF135971.D
Acq On : 26 Oct 2023 19:20
Operator : CG\JU
Sample : 04693-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-2(10-15)

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-BF102523.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.769	1643	1646	1651	rVB	181766	193341	3.31%	0.234%
38	11.857	1655	1661	1664	rBV	1162342	1105706	18.92%	1.336%
39	11.886	1664	1666	1670	rVB	1583674	1254703	21.47%	1.516%
40	11.933	1670	1674	1677	rBV	726844	607939	10.40%	0.734%
41	11.969	1677	1680	1683	rBV	1543168	1772994	30.35%	2.142%
42	11.992	1683	1684	1689	rVB	920787	571770	9.79%	0.691%
43	12.157	1709	1712	1714	rBV	524865	417471	7.15%	0.504%
44	12.304	1735	1737	1740	rVV	329712	313776	5.37%	0.379%
45	12.333	1740	1742	1744	rVV	252604	237235	4.06%	0.287%
46	12.357	1744	1746	1749	rVB2	246856	213935	3.66%	0.258%
47	12.410	1749	1755	1758	rBV	741873	848427	14.52%	1.025%
48	12.451	1758	1762	1764	rVV	477073	659175	11.28%	0.796%
49	12.498	1767	1770	1775	rVV3	309390	465479	7.97%	0.562%
50	12.580	1779	1784	1787	rBV	4878781	4829923	82.66%	5.835%
51	12.621	1788	1791	1801	rVV3	237836	406464	6.96%	0.491%
52	12.721	1802	1808	1812	rVV2	216724	339774	5.82%	0.410%
53	12.810	1817	1823	1828	rBV	4622831	5842776	100.00%	7.059%
54	12.851	1828	1830	1836	rVB2	309633	427204	7.31%	0.516%
55	12.921	1839	1842	1844	rBV2	335984	296417	5.07%	0.358%
56	12.951	1844	1847	1854	rVB2	2177076	2034729	34.82%	2.458%
57	13.027	1854	1860	1862	rBV2	496901	775540	13.27%	0.937%
58	13.051	1862	1864	1867	rVB2	162284	133486	2.28%	0.161%
59	13.086	1867	1870	1871	rBV3	142986	158101	2.71%	0.191%
60	13.110	1871	1874	1875	rVV3	374616	384553	6.58%	0.465%
61	13.133	1875	1878	1881	rVB	1277959	1245687	21.32%	1.505%
62	13.174	1881	1885	1886	rBV3	90663	122891	2.10%	0.148%
63	13.204	1886	1890	1892	rBV	1151009	988923	16.93%	1.195%
64	13.239	1892	1896	1898	rVV2	858081	809060	13.85%	0.977%
65	13.268	1898	1901	1903	rVV	219796	231080	3.95%	0.279%
66	13.298	1903	1906	1908	rVB	146512	128210	2.19%	0.155%
67	13.327	1908	1911	1914	rBV	483189	442719	7.58%	0.535%
68	13.363	1914	1917	1921	rBV	523040	474466	8.12%	0.573%
69	13.539	1945	1947	1949	rVV	176417	168504	2.88%	0.204%
70	13.557	1949	1950	1953	rVB	187153	171572	2.94%	0.207%
71	13.621	1957	1961	1962	rBV2	224376	252397	4.32%	0.305%
72	13.757	1979	1984	1987	rBV2	463208	616646	10.55%	0.745%
73	13.786	1987	1989	1991	rVV	541742	452097	7.74%	0.546%
74	13.804	1991	1992	1999	rVB3	294637	362080	6.20%	0.437%
75	13.921	2008	2012	2015	rBV	180911	258396	4.42%	0.312%
76	14.004	2019	2026	2029	rVV2	3054852	4576415	78.33%	5.529%

LSC Area Percent Report

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Acq On : 26 Oct 2023 19:20
Operator : CG\JU
Sample : 04693-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-2(10-15)

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-BF102523.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.039	2029	2032	2037	rVB	2931152	2836198	48.54%	3.426%
78	14.115	2042	2045	2048	rVB	510684	397682	6.81%	0.480%
79	14.198	2056	2059	2061	rVB2	227144	229502	3.93%	0.277%
80	14.233	2061	2065	2069	rVB3	200361	263194	4.50%	0.318%
81	14.333	2079	2082	2084	rBV2	145481	146709	2.51%	0.177%
82	14.362	2084	2087	2089	rVV	218922	218016	3.73%	0.263%
83	14.398	2089	2093	2096	rVV	774870	865471	14.81%	1.046%
84	14.433	2096	2099	2102	rVV	436180	412643	7.06%	0.499%
85	14.468	2102	2105	2106	rVV2	169597	177666	3.04%	0.215%
86	14.492	2106	2109	2112	rVV2	471544	530296	9.08%	0.641%
87	14.521	2112	2114	2116	rVV	352616	339842	5.82%	0.411%
88	14.545	2116	2118	2121	rVB2	344453	316021	5.41%	0.382%
89	14.598	2121	2127	2133	rVB3	215684	408598	6.99%	0.494%
90	14.704	2142	2145	2148	rBV3	120470	183134	3.13%	0.221%
91	15.062	2201	2206	2209	rBV	1514304	2401882	41.11%	2.902%
92	15.168	2221	2224	2228	rVB	386711	382756	6.55%	0.462%
93	15.368	2254	2258	2264	rVB	800691	1045709	17.90%	1.263%
94	15.433	2264	2269	2275	rVB	1387548	1672073	28.62%	2.020%
95	15.498	2275	2280	2282	rBV	574579	712474	12.19%	0.861%
96	15.527	2282	2285	2289	rVB	311678	330842	5.66%	0.400%
97	17.003	2530	2536	2544	rVB2	435059	929592	15.91%	1.123%
98	17.192	2564	2568	2572	rVB	81616	129608	2.22%	0.157%
99	17.456	2606	2613	2625	rBV	327946	717087	12.27%	0.866%
100	17.698	2649	2654	2661	rBV	109355	205356	3.51%	0.248%

Sum of corrected areas: 82773397

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
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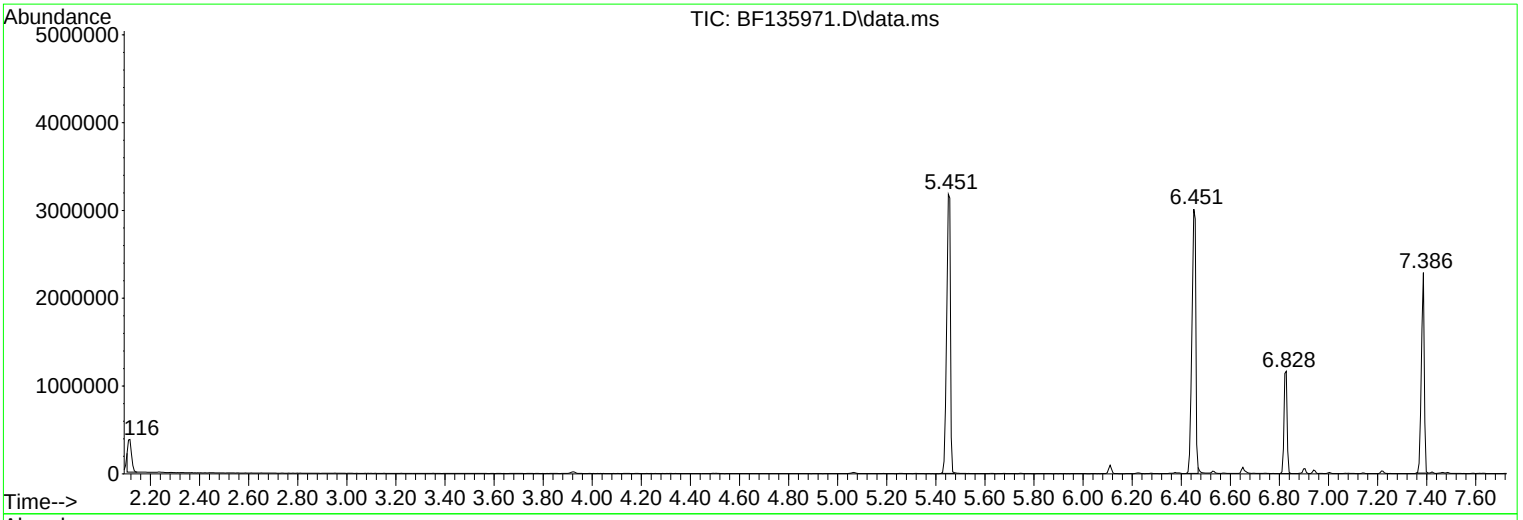
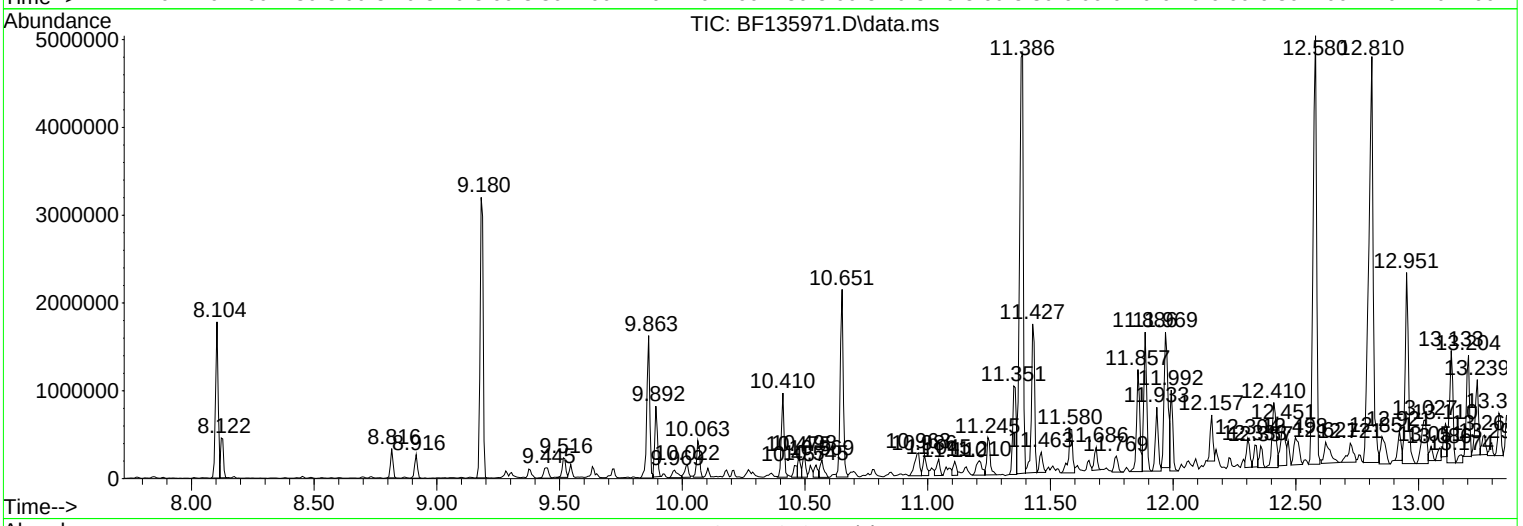
Sample : 04693-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

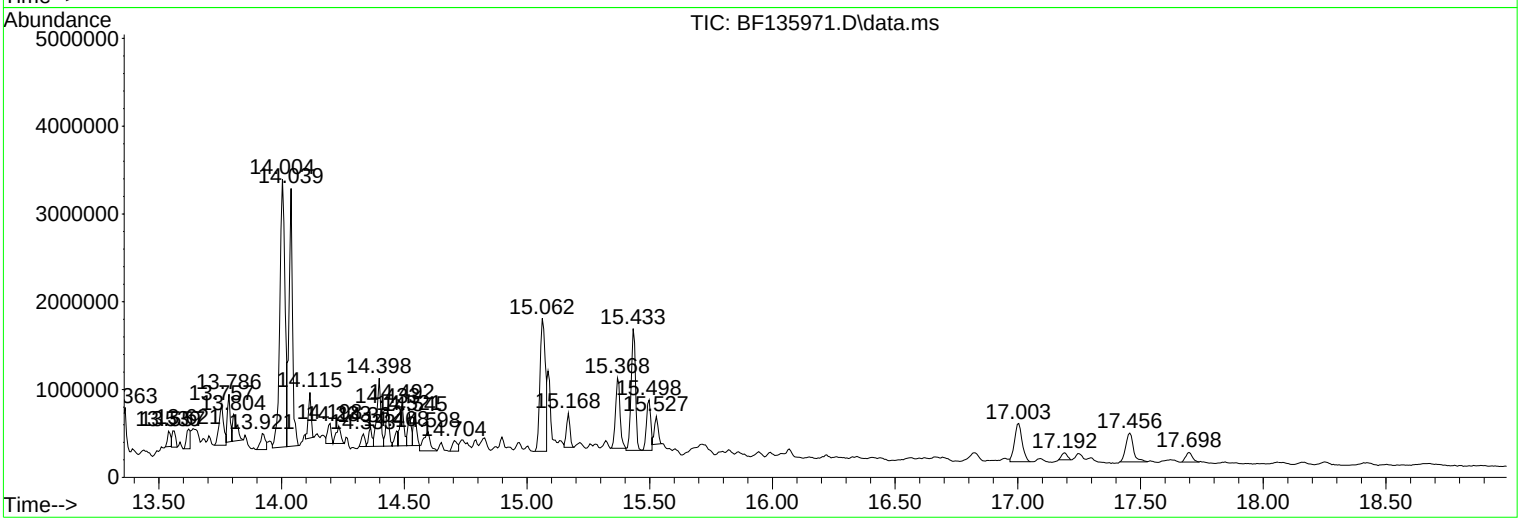
Instrument :
BNA_F
ClientSampleId :
S-2(10-15)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.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\BF102623\
Data File : BF135971.D
Acq On : 26 Oct 2023 19:20
Operator : CG\JU
Sample : 04693-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-2(10-15)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

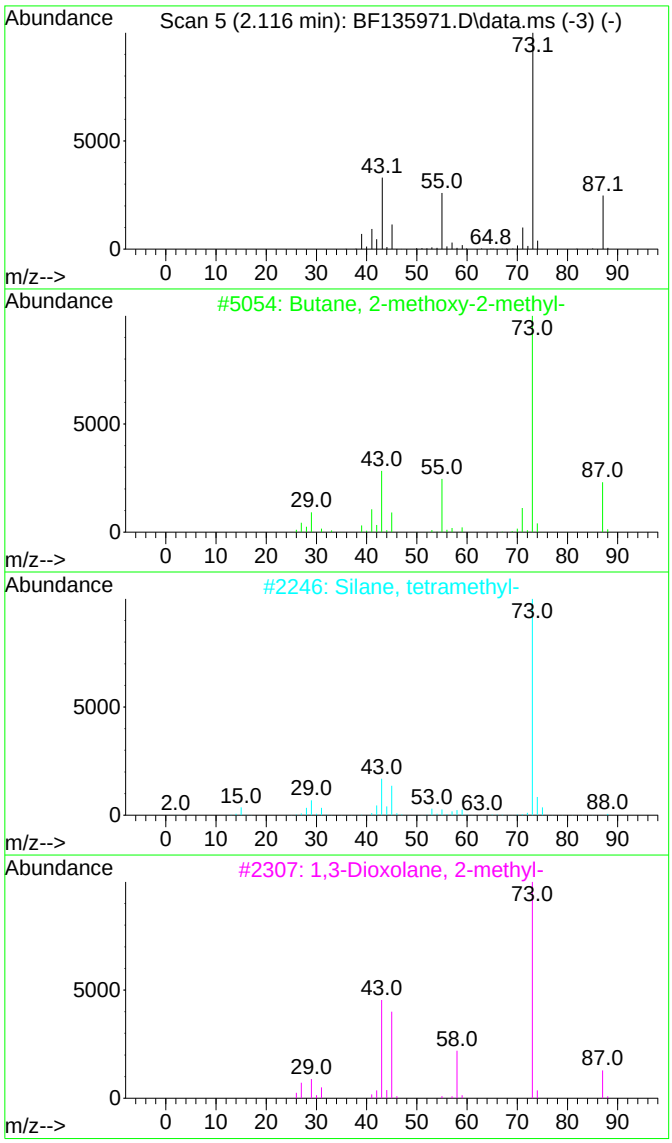
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

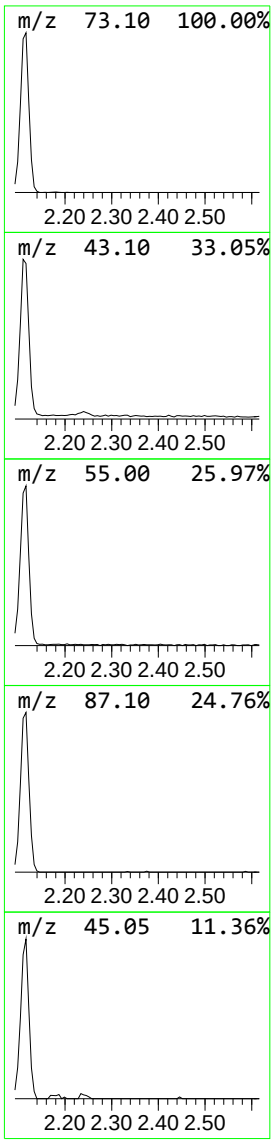
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.116	7.28 ng	369722	1,4-Dichlorobenzene-d4	6.828

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	86
2	Silane, tetramethyl-	88	C4H12Si	000075-76-3	37
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	17
4	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
Data File : BF135971.D
Acq On : 26 Oct 2023 19:20
Operator : CG\JU
Sample : 04693-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-2(10-15)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

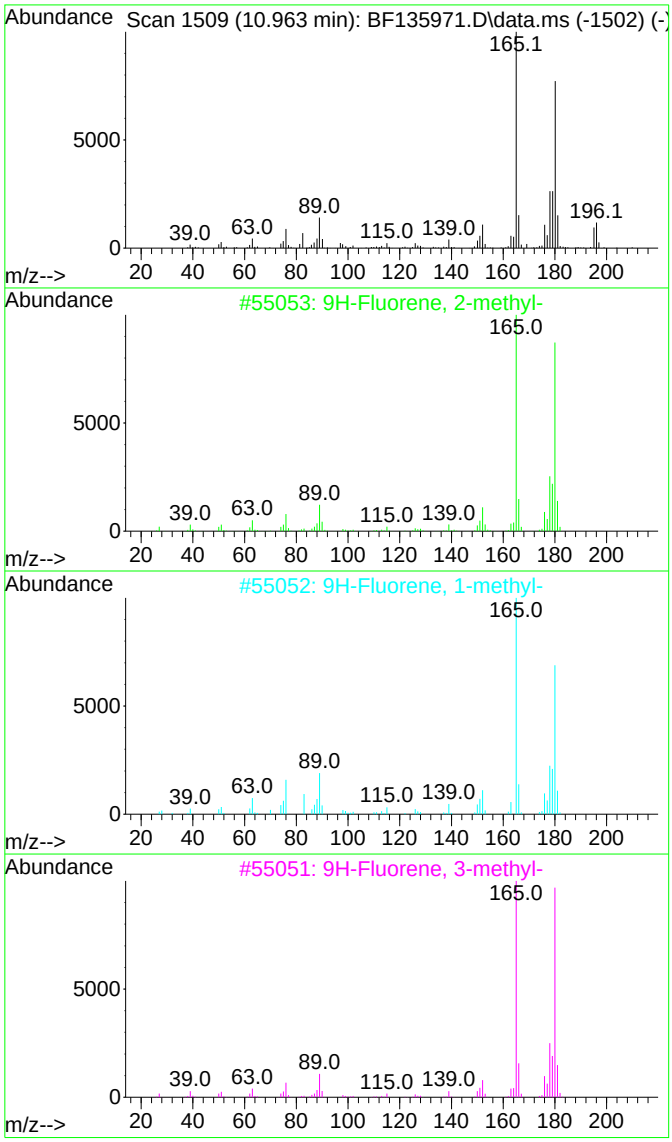
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

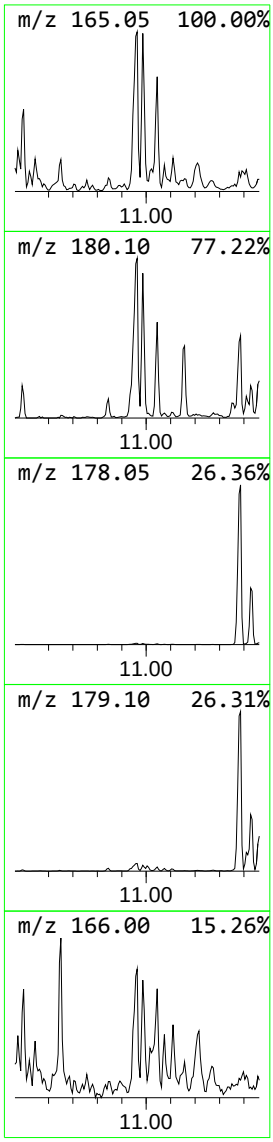
****

Peak Number 2 9H-Fluorene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.963	7.41 ng	380704	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	96
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	93
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	62





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
Data File : BF135971.D
Acq On : 26 Oct 2023 19:20
Operator : CG\JU
Sample : 04693-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-2(10-15)

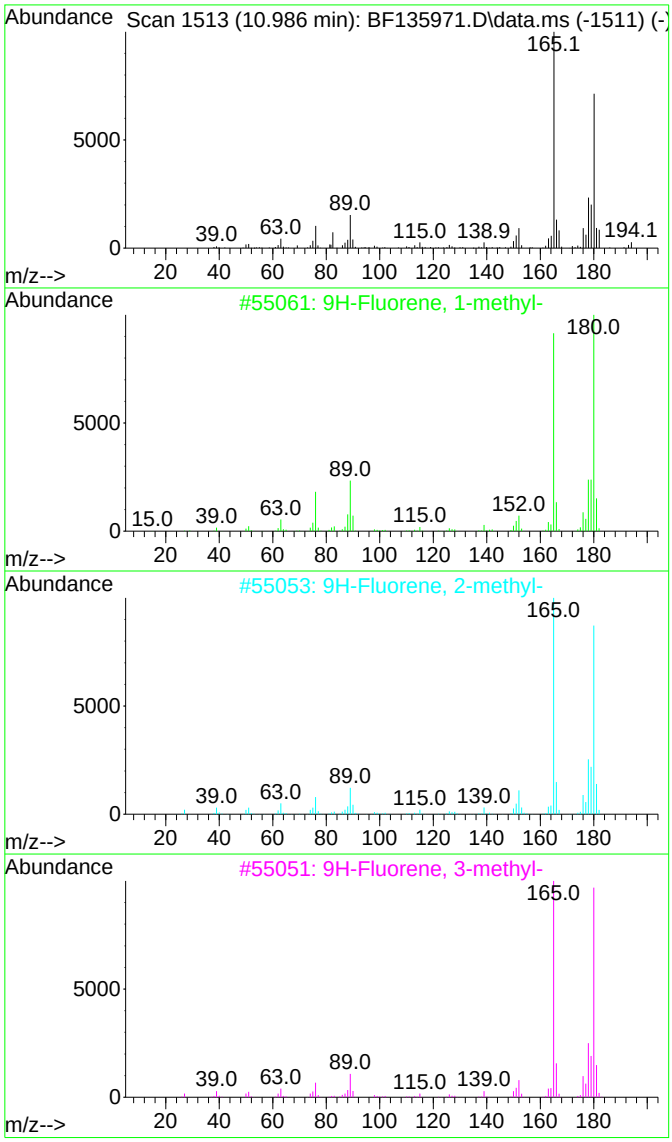
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

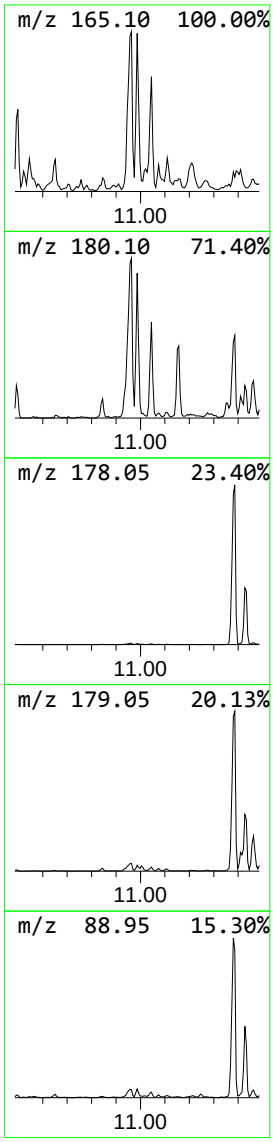
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 9H-Fluorene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.986	4.41 ng	226609	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	91
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	90
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	90
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	81
5	(E)-Stilbene	180	C14H12	000103-30-0	68





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
Data File : BF135971.D
Acq On : 26 Oct 2023 19:20
Operator : CG\JU
Sample : 04693-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-2(10-15)

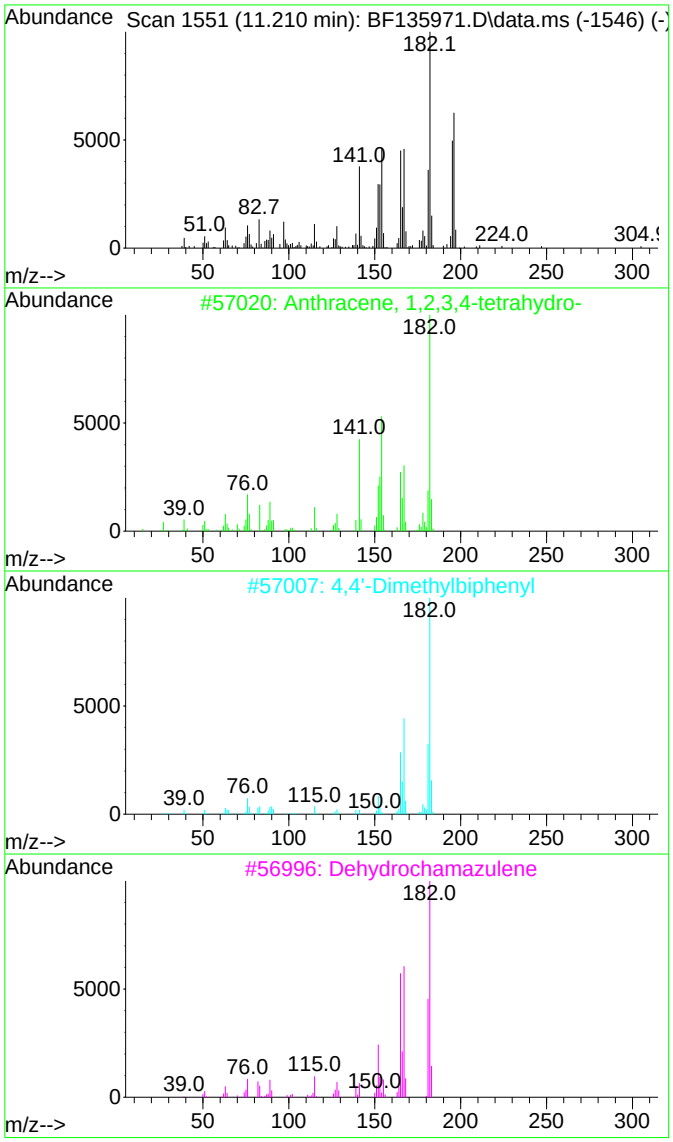
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

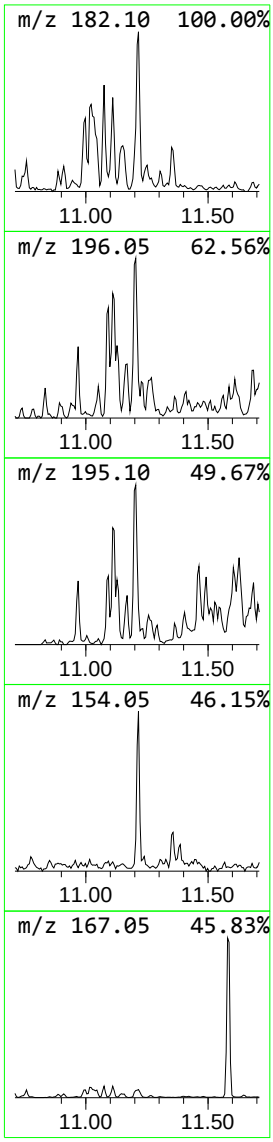
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.210	5.53 ng	284025	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	90
2	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	86
3	Dehydrochamazulene	182	C14H14	321732-25-6	70
4	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	49
5	1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
Data File : BF135971.D
Acq On : 26 Oct 2023 19:20
Operator : CG\JU
Sample : 04693-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-2(10-15)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

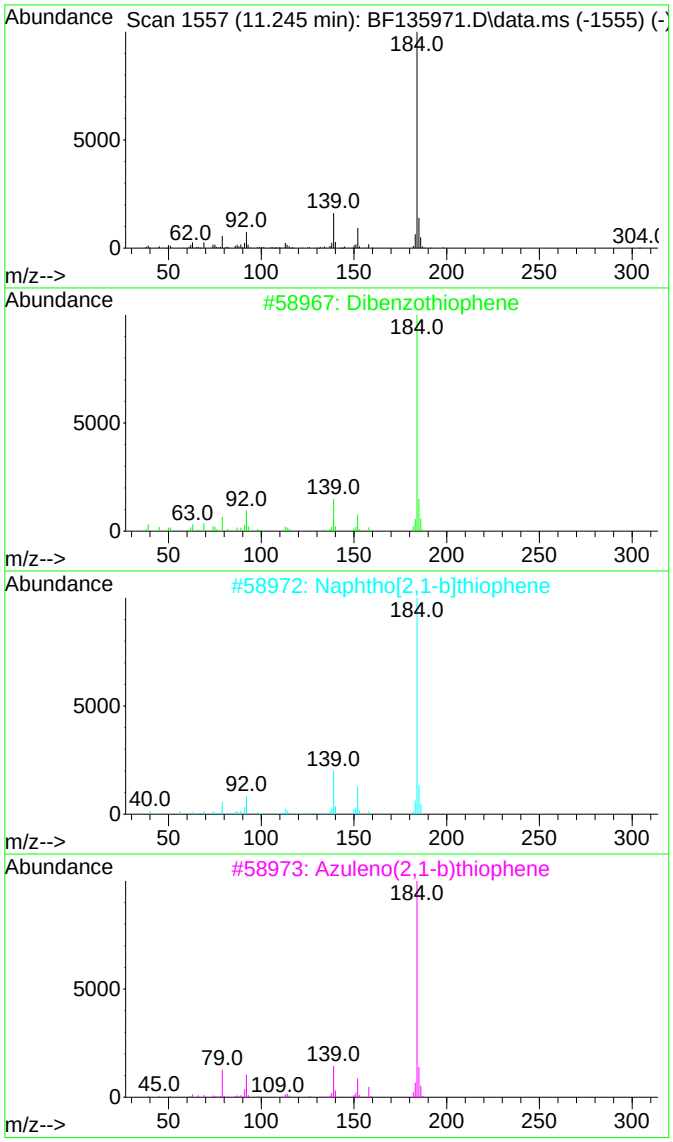
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

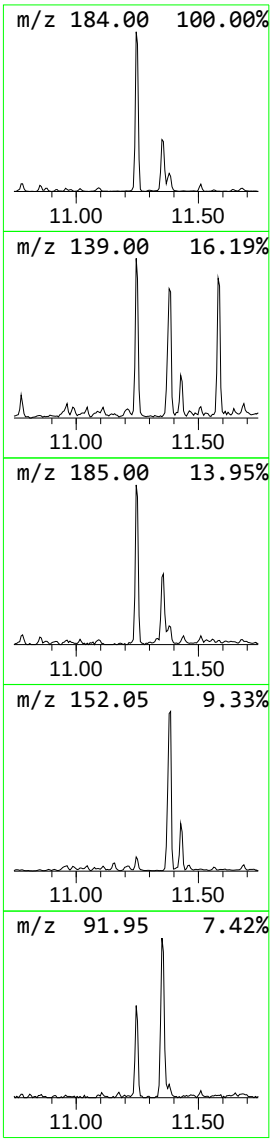
****

Peak Number 5 Dibenzothiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.245	7.89 ng	405569	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90
5	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72





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Acq On : 26 Oct 2023 19:20
Operator : CG\JU
Sample : 04693-03
Misc :
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BNA_F
ClientSampleId :
S-2(10-15)

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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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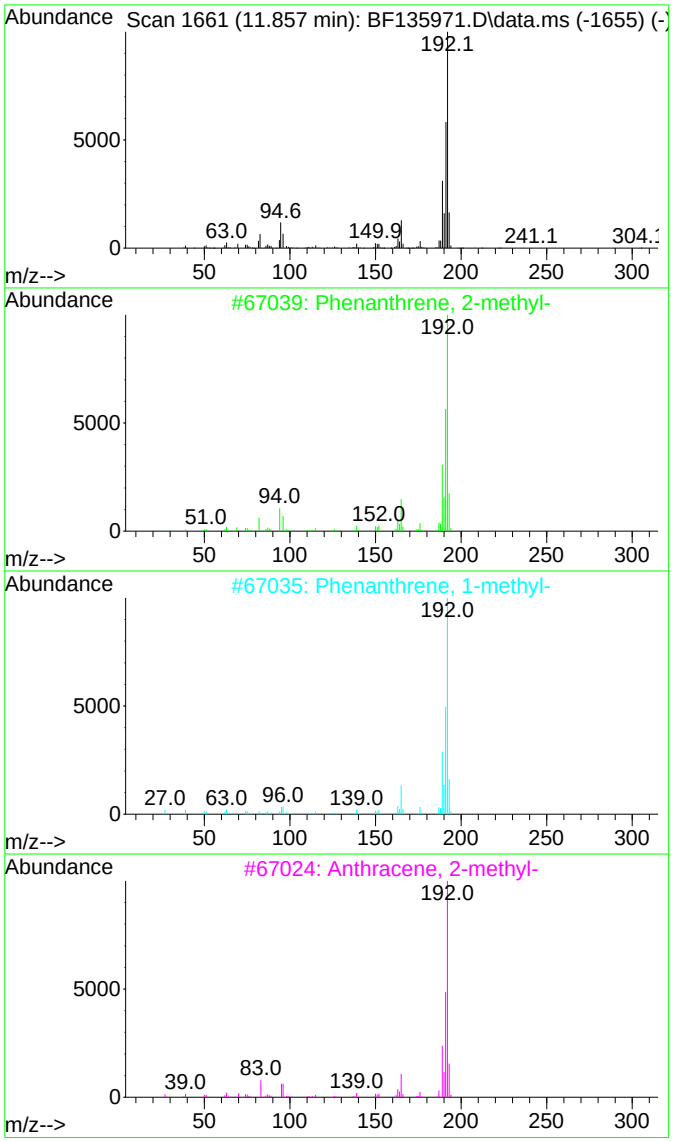
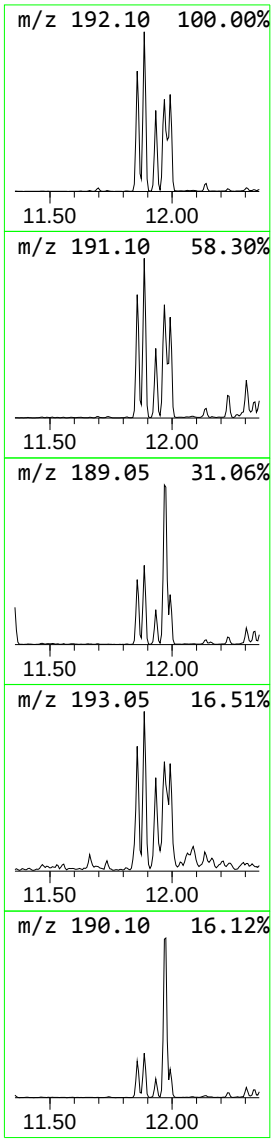
Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.857	21.51 ng	1105710	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93





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Misc :
ALS Vial : 15 Sample Multiplier: 1

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ClientSampleId :
S-2(10-15)

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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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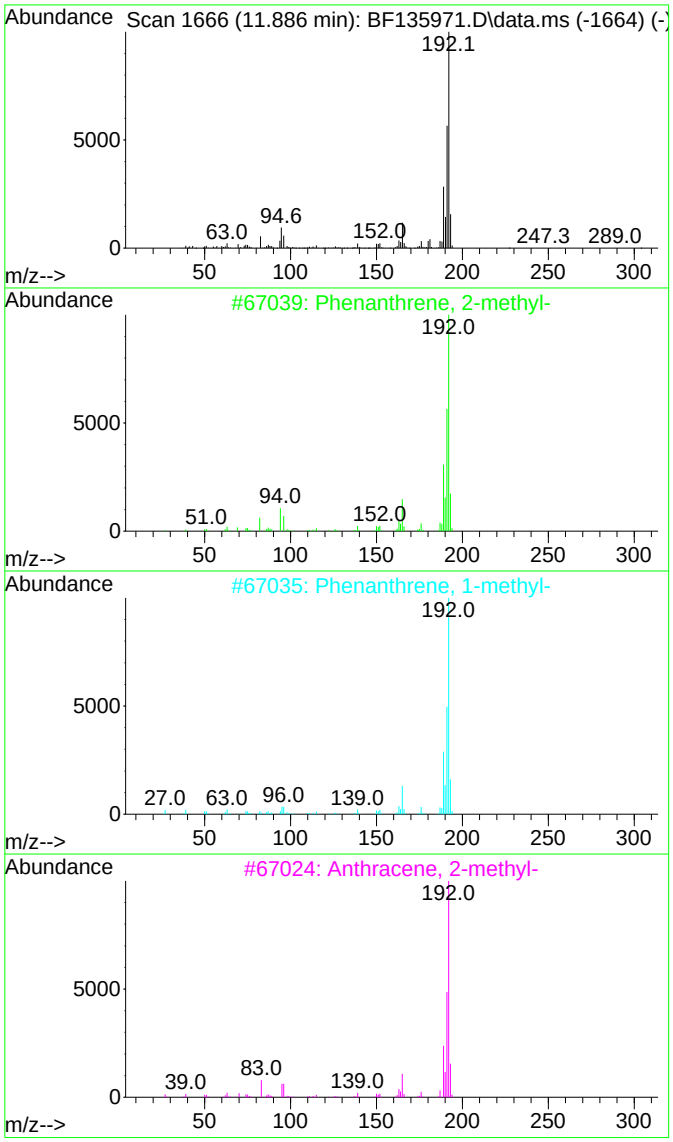
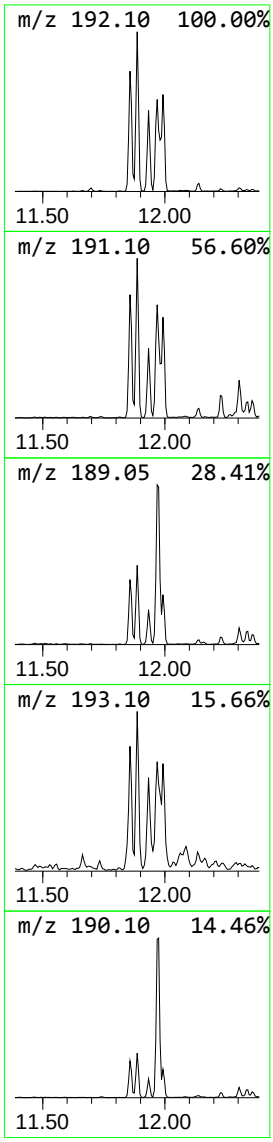
Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.886	24.41 ng	1254700	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





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Misc :
ALS Vial : 15 Sample Multiplier: 1

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ClientSampleId :
S-2(10-15)

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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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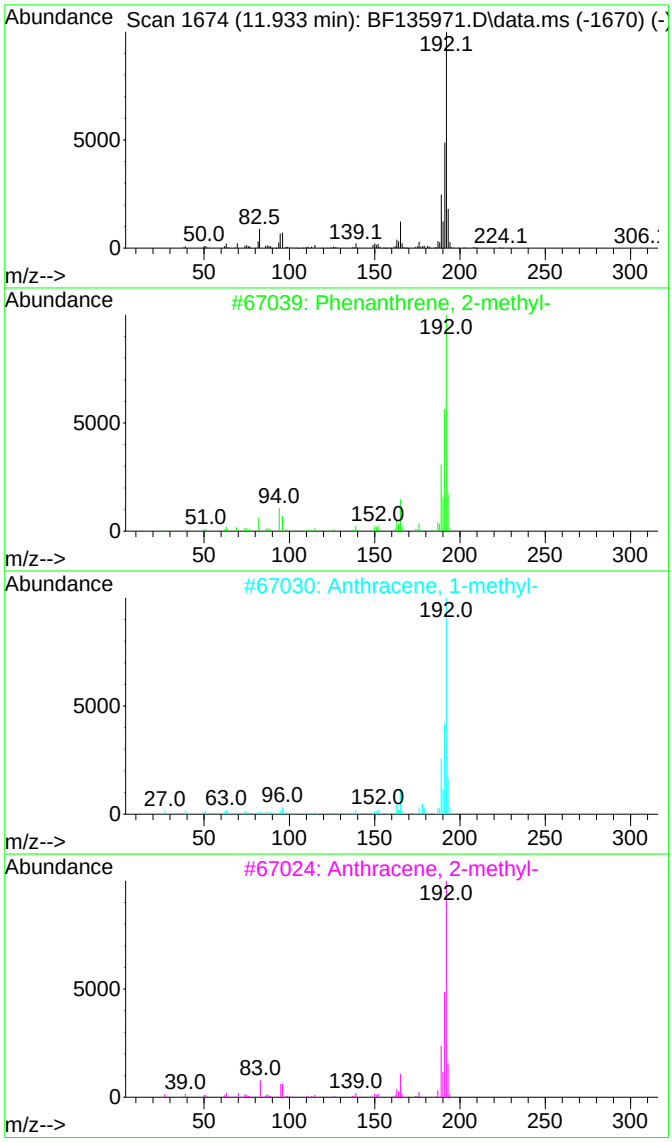
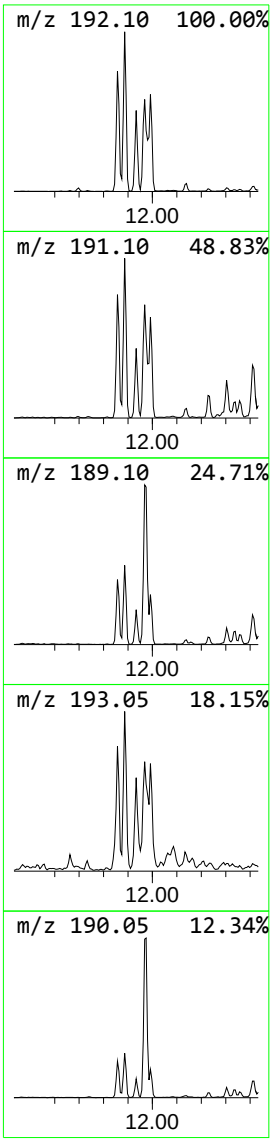
Peak Number 8 Anthracene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.933	11.83 ng	607939	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94





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Acq On : 26 Oct 2023 19:20
Operator : CG\JU
Sample : 04693-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
S-2(10-15)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.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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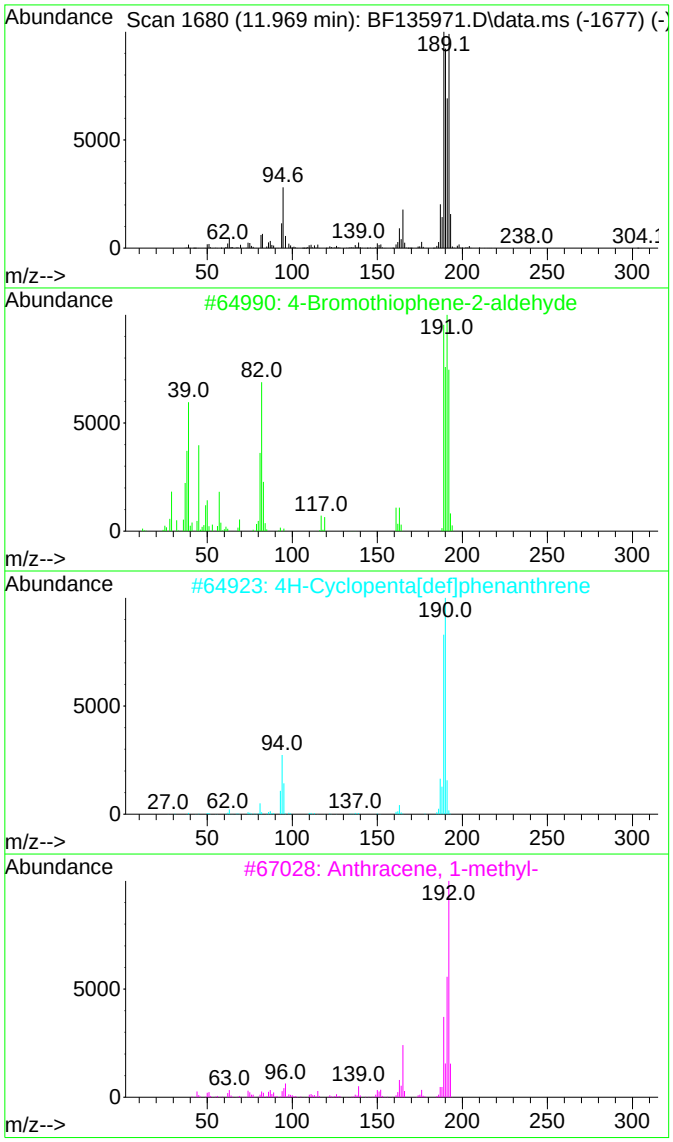
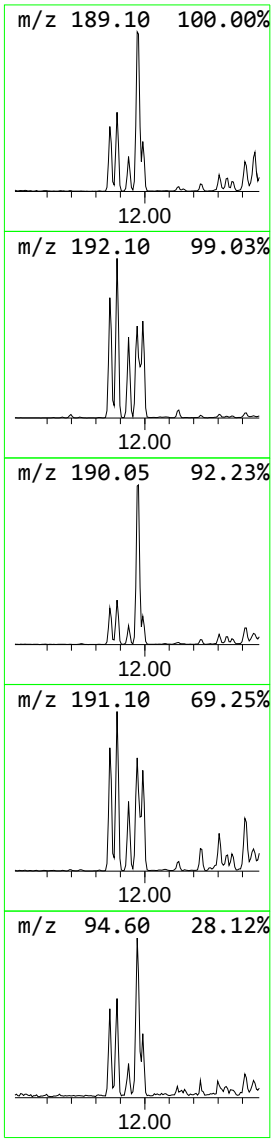
Peak Number 9 4-Bromothiophene-2-aldehyde Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.969	34.49 ng	1772990	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Bromothiophene-2-aldehyde	190	C5H3BrOS	018791-75-8	58
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	42
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	42





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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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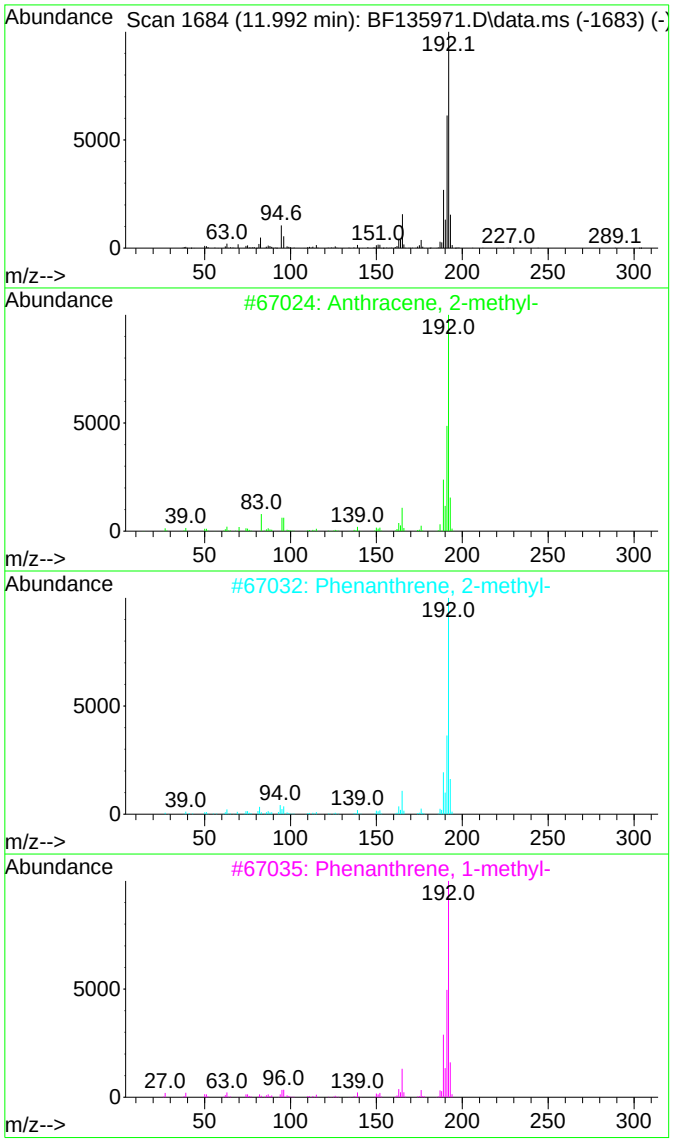
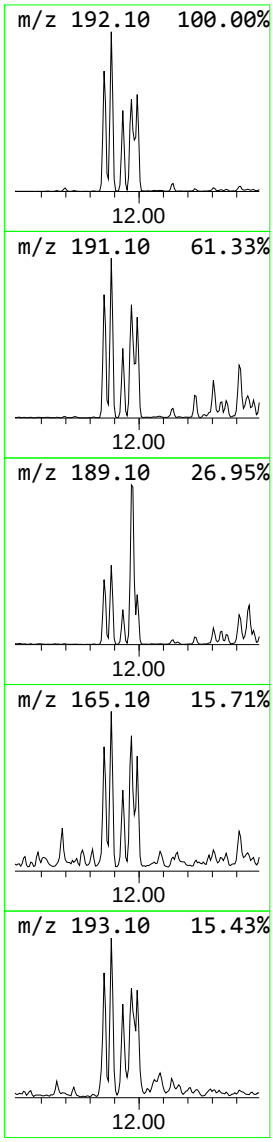
Peak Number 10 Anthracene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.992	11.12 ng	571770	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
S-2(10-15)

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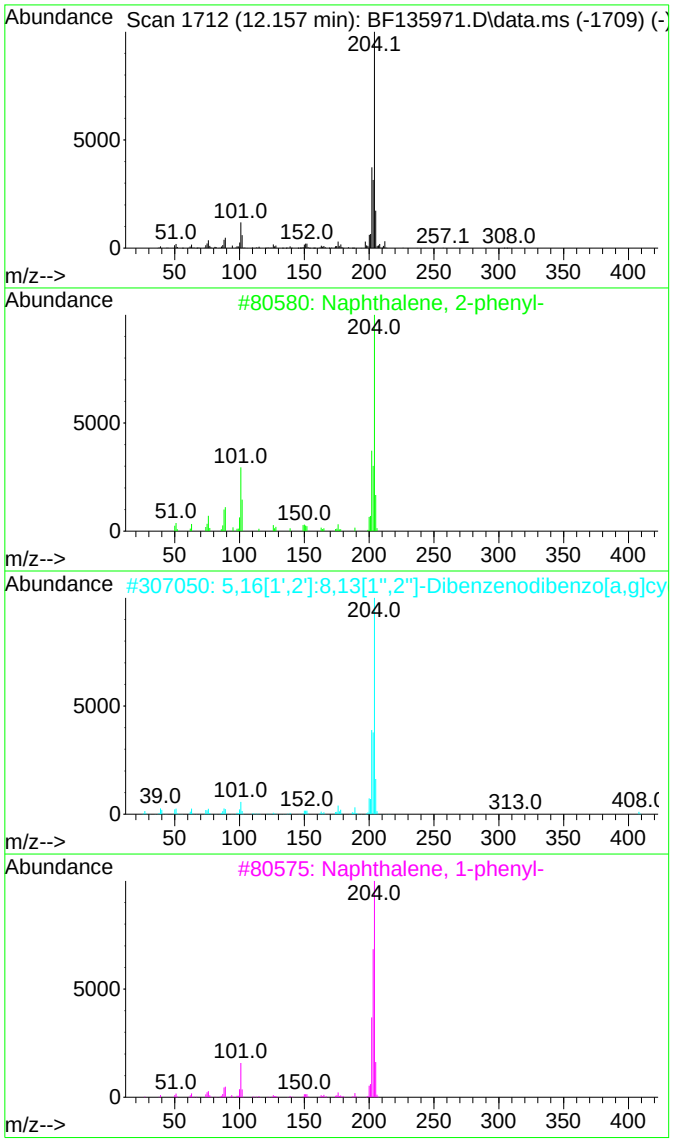
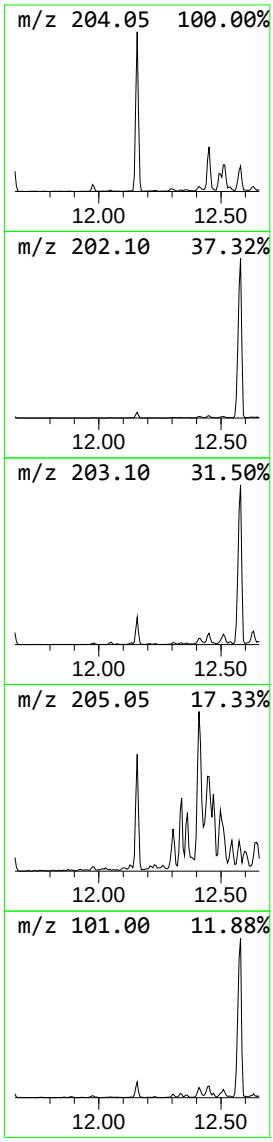
Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.157	8.12 ng	417471	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	86
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	72
5	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	58





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Sample : 04693-03
Misc :
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Instrument :
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ClientSampleId :
S-2(10-15)

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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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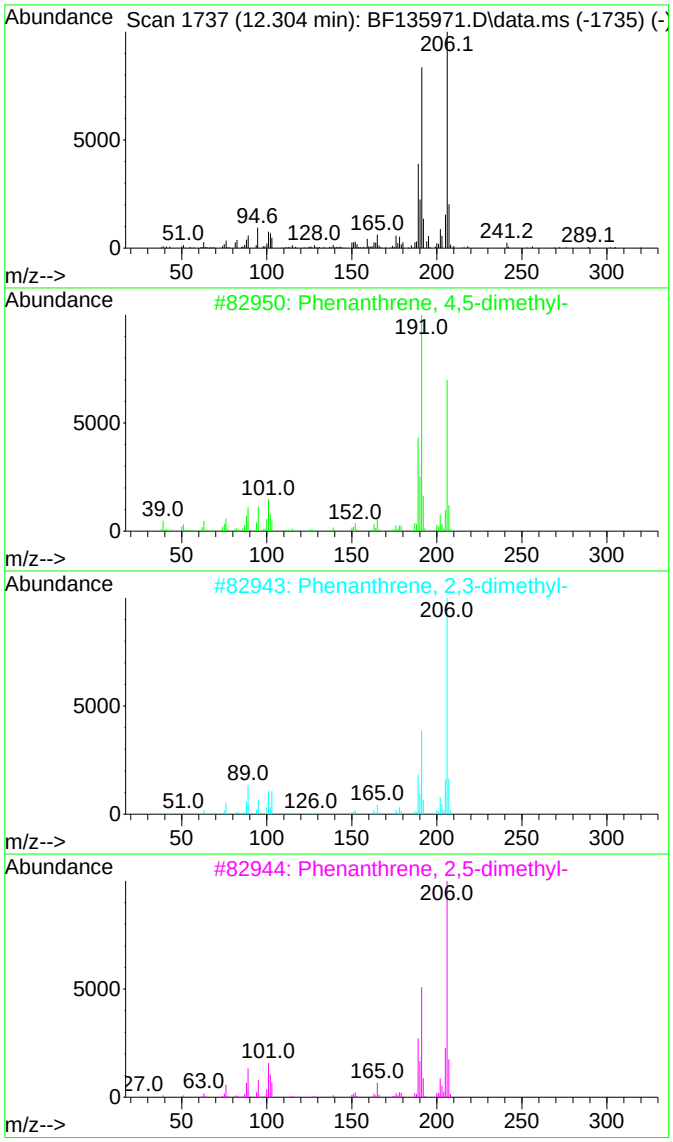
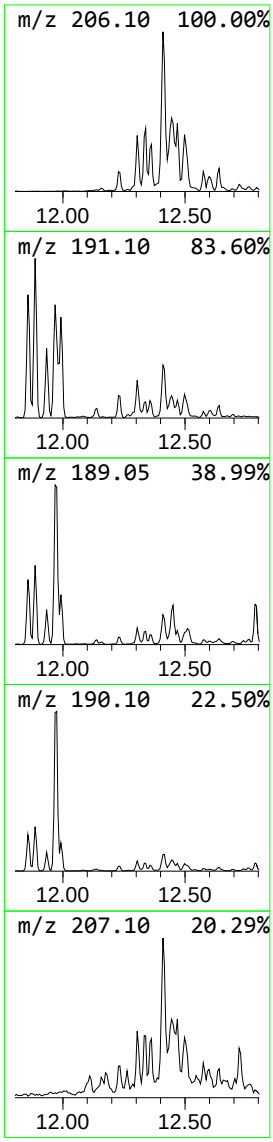
Peak Number 12 Phenanthrene, 4,5-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.304	6.10 ng	313776	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	94
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	86
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	83
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	81





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Sample : 04693-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
S-2(10-15)

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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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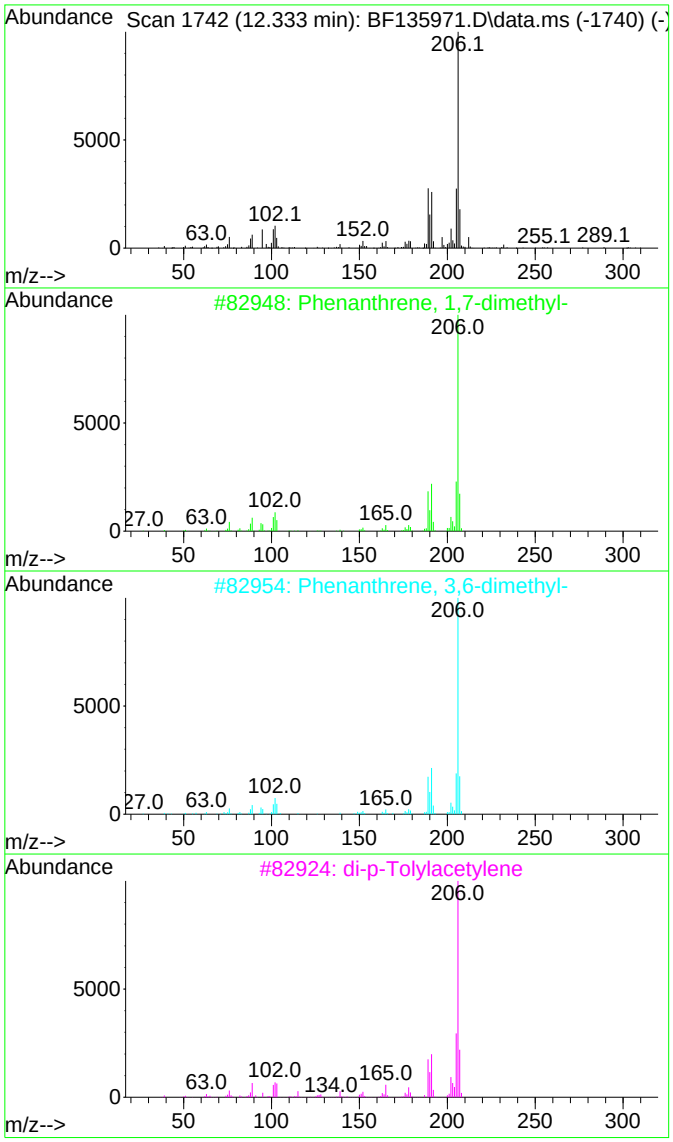
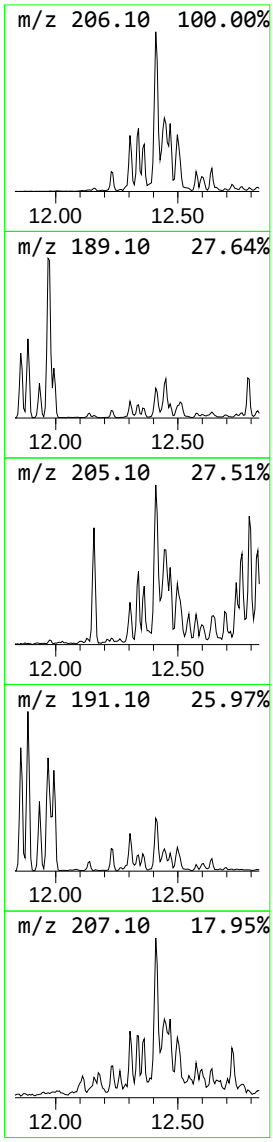
Peak Number 13 Phenanthrene, 1,7-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.333	4.62 ng	237235	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	95
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	81
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	80
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	76





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ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
S-2(10-15)

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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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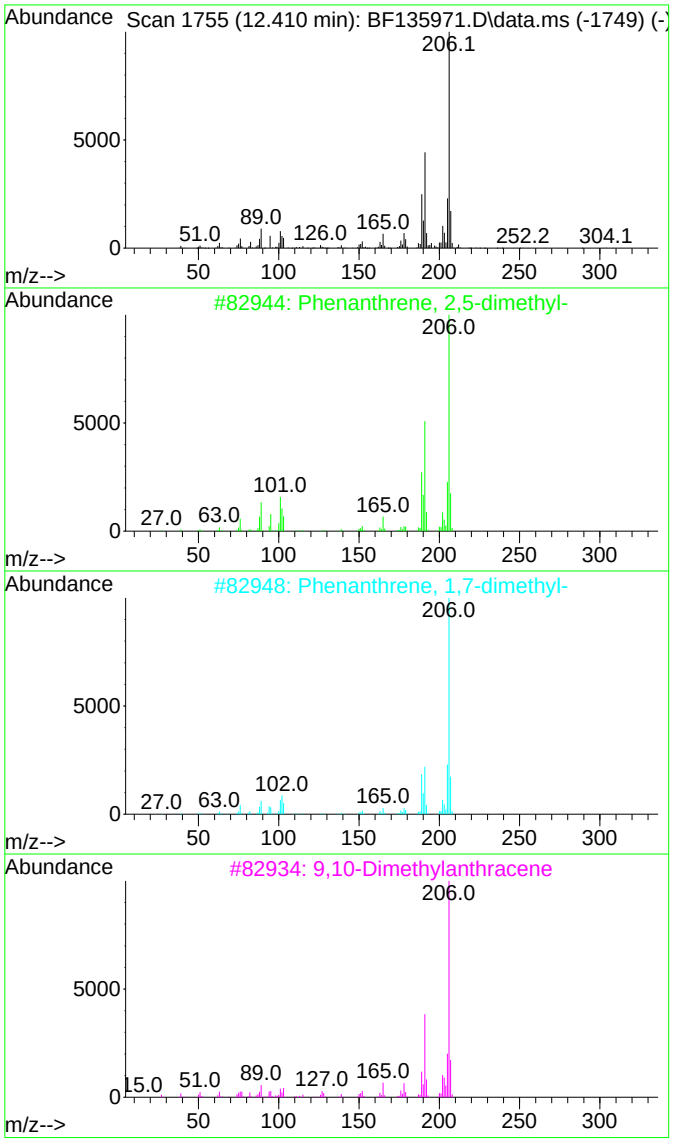
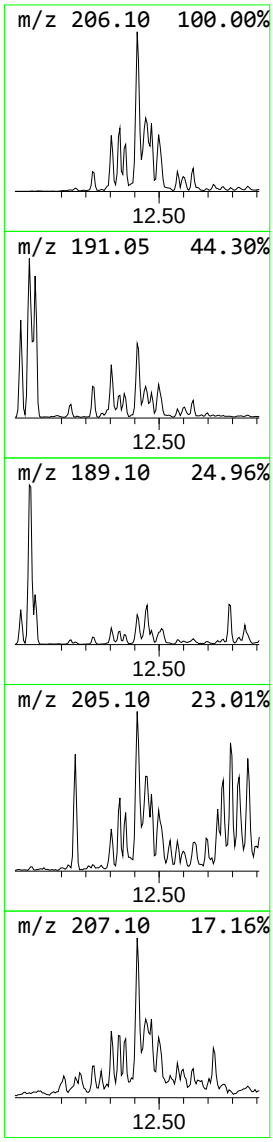
Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.410	16.51 ng	848427	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91





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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
S-2(10-15)

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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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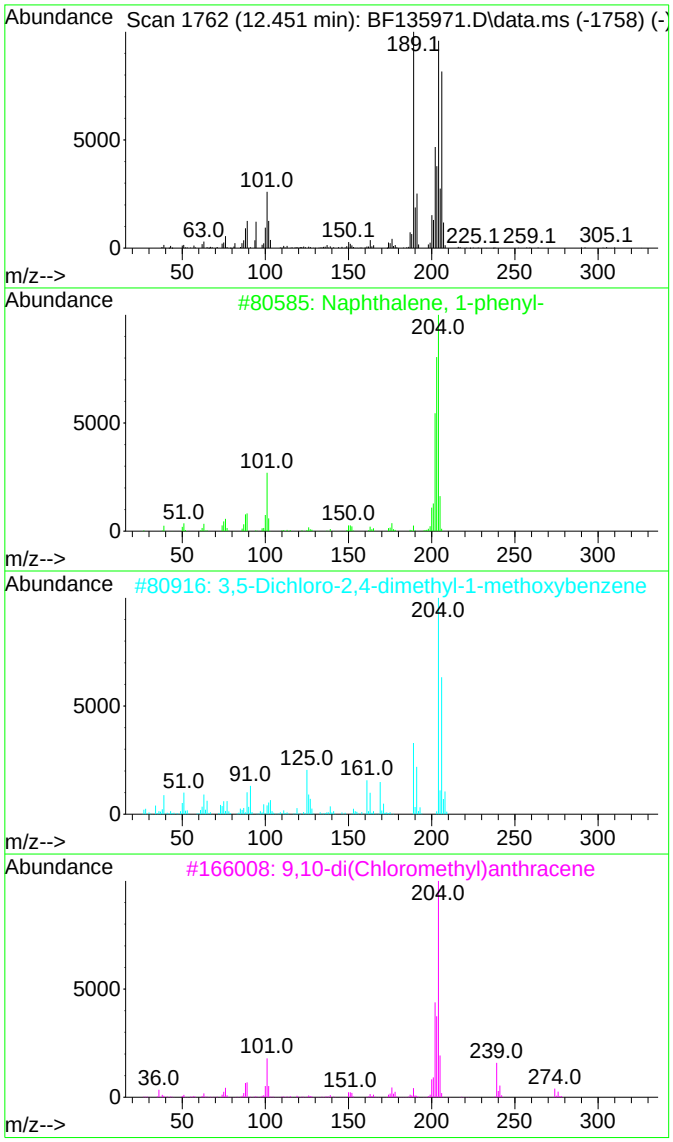
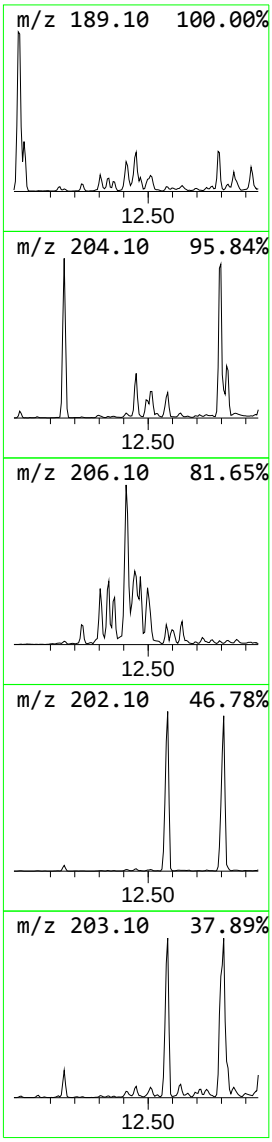
Peak Number 15 unknown12.451 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.451	12.82 ng	659175	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	47
2	3,5-Dichloro-2,4-dimethyl-1-meth...	204	C9H10Cl2O	1010250-17-8	46
3	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	43
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	38
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38





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ALS Vial : 15 Sample Multiplier: 1

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ClientSampleId :
S-2(10-15)

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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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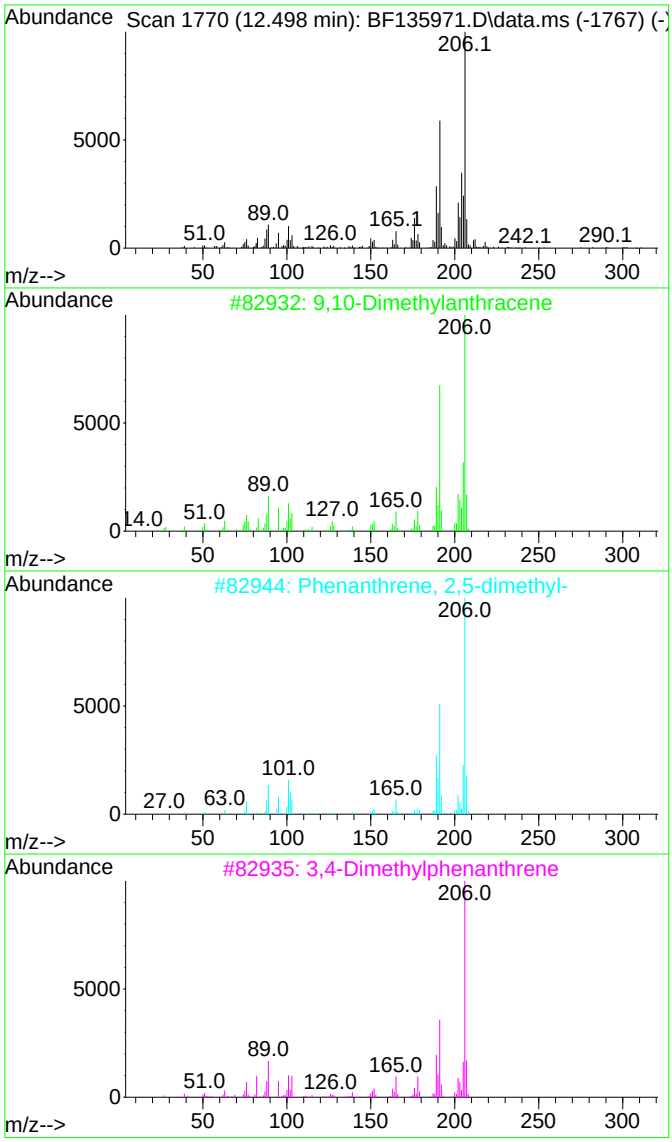
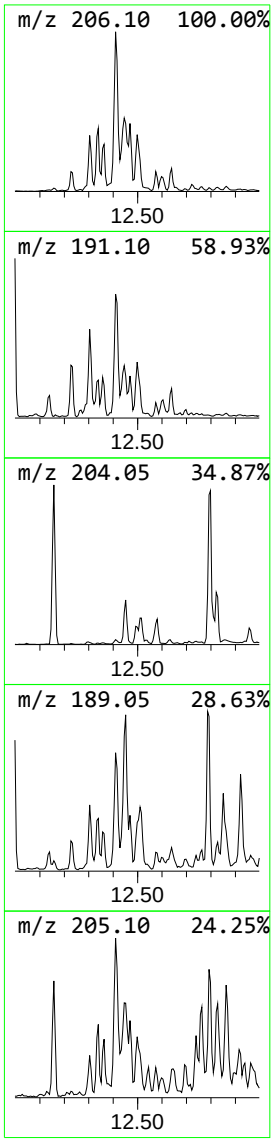
Peak Number 16 9,10-Dimethylanthracene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.498	9.06 ng	465479	Phenanthrene-d10	11.351

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	89
3	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	89
4	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	89
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	86





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Data File : BF135971.D
Acq On : 26 Oct 2023 19:20
Operator : CG\JU
Sample : 04693-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-2(10-15)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.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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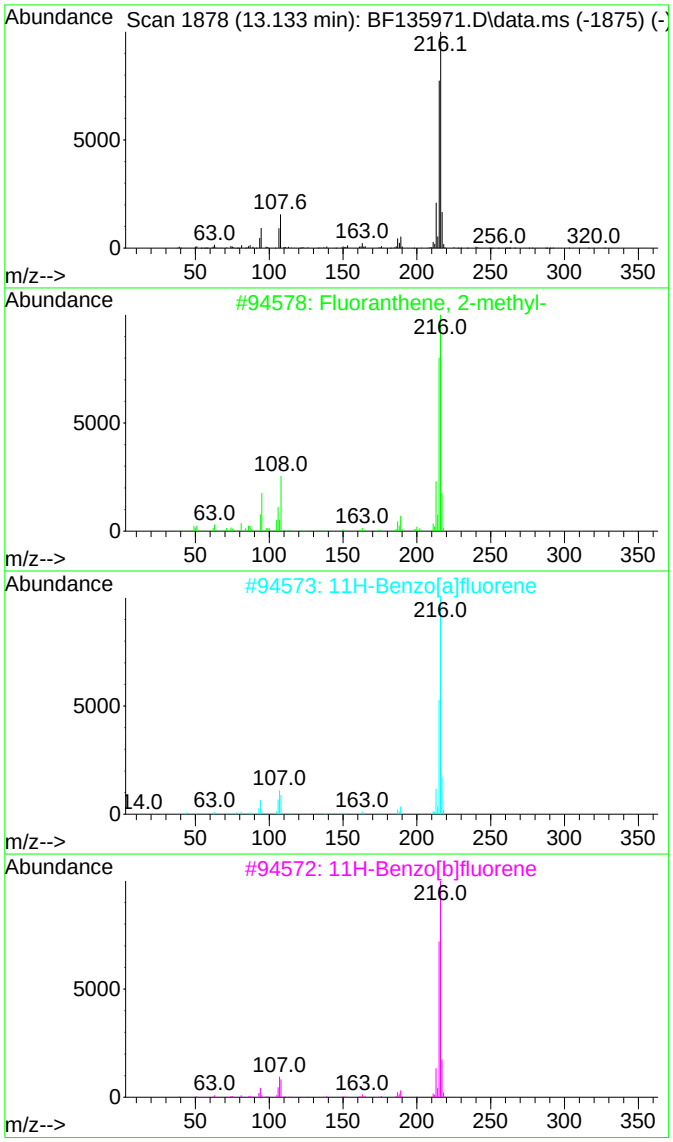
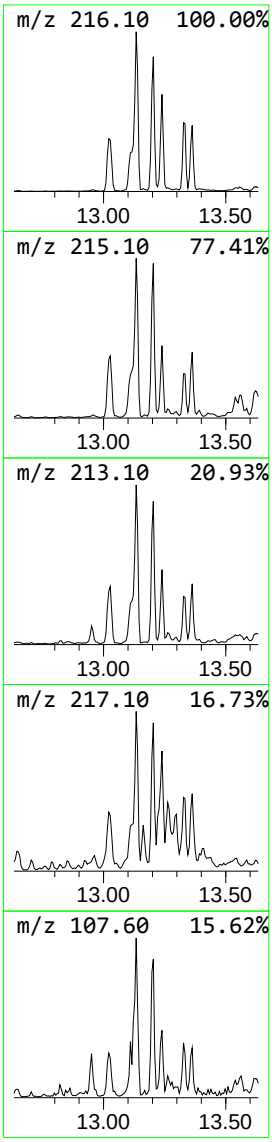
Peak Number 17 Fluoranthene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.133	5.44 ng	1245690	Chrysene-d12	14.015

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83





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Acq On : 26 Oct 2023 19:20
Operator : CG\JU
Sample : 04693-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-2(10-15)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.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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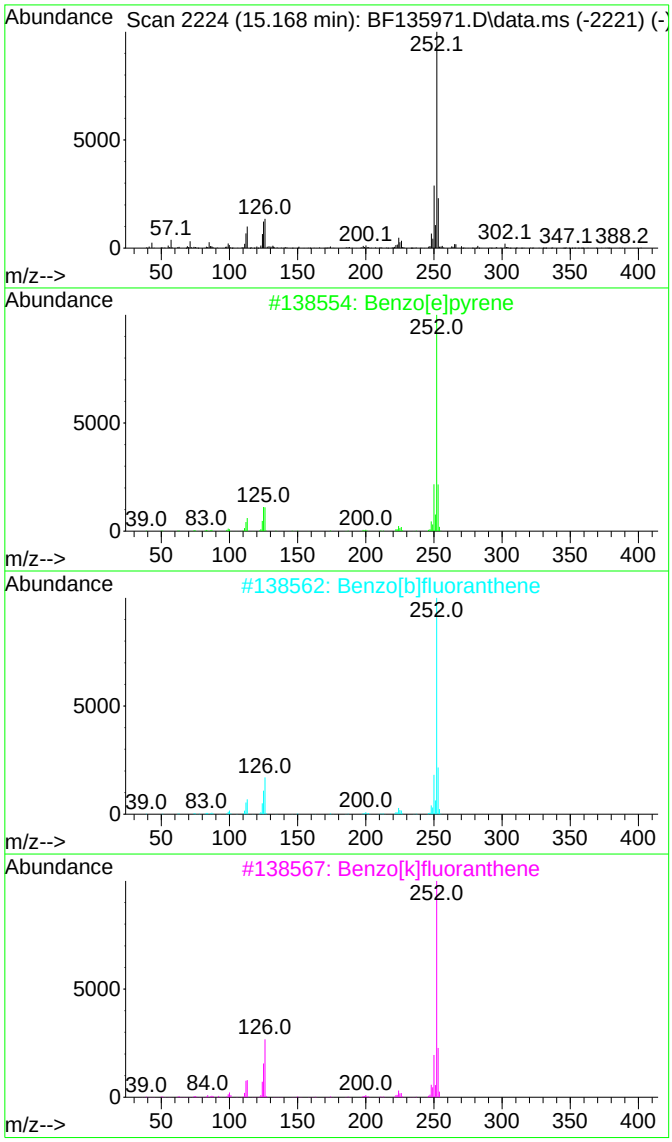
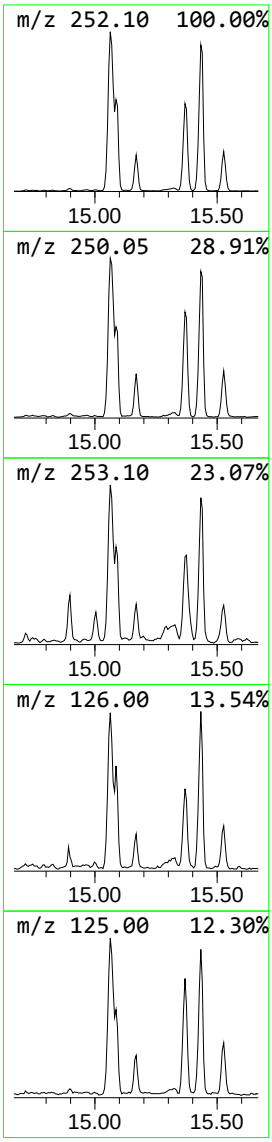
Peak Number 18 Benzo[e]pyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.168	10.74 ng	382756	Perylene-d12	15.498

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





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Data File : BF135971.D
Acq On : 26 Oct 2023 19:20
Operator : CG\JU
Sample : 04693-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-2(10-15)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.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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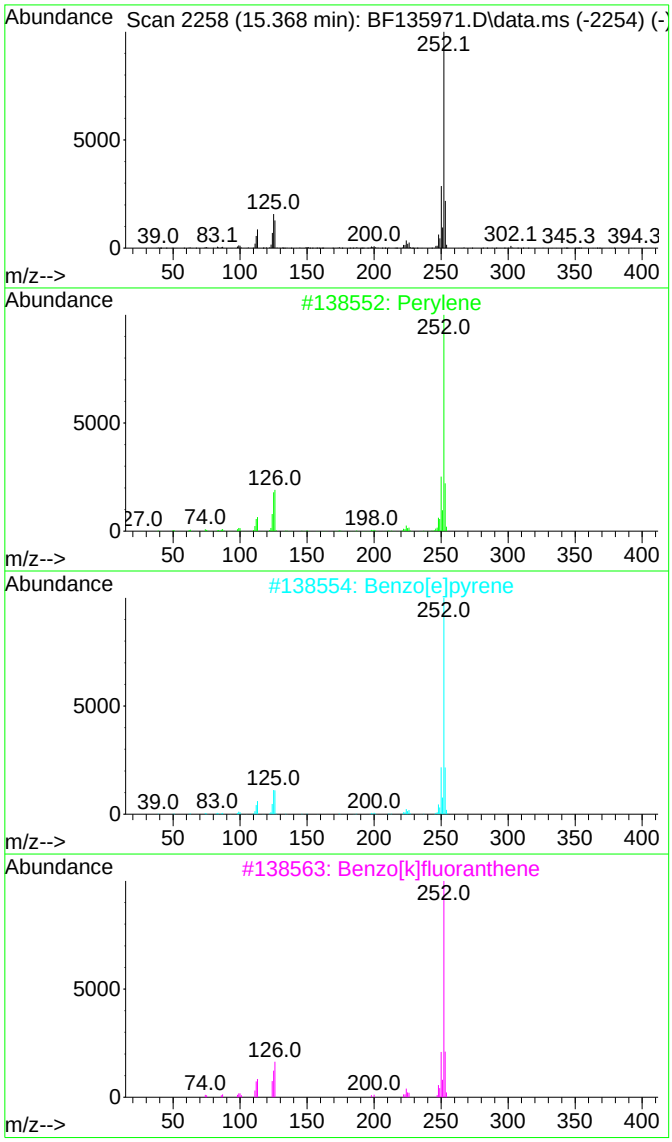
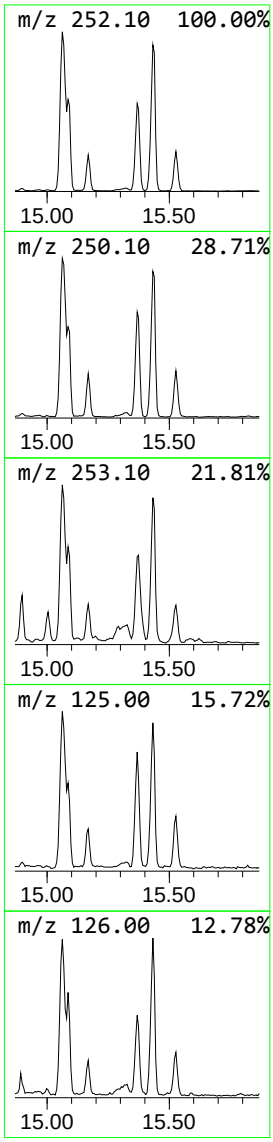
Peak Number 19 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.368	29.35 ng	1045710	Perylene-d12	15.498

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	99
2	Benzo[e]pyrene	252	C20H12	000192-97-2	98
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
Data File : BF135971.D
Acq On : 26 Oct 2023 19:20
Operator : CG\JU
Sample : 04693-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-2(10-15)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.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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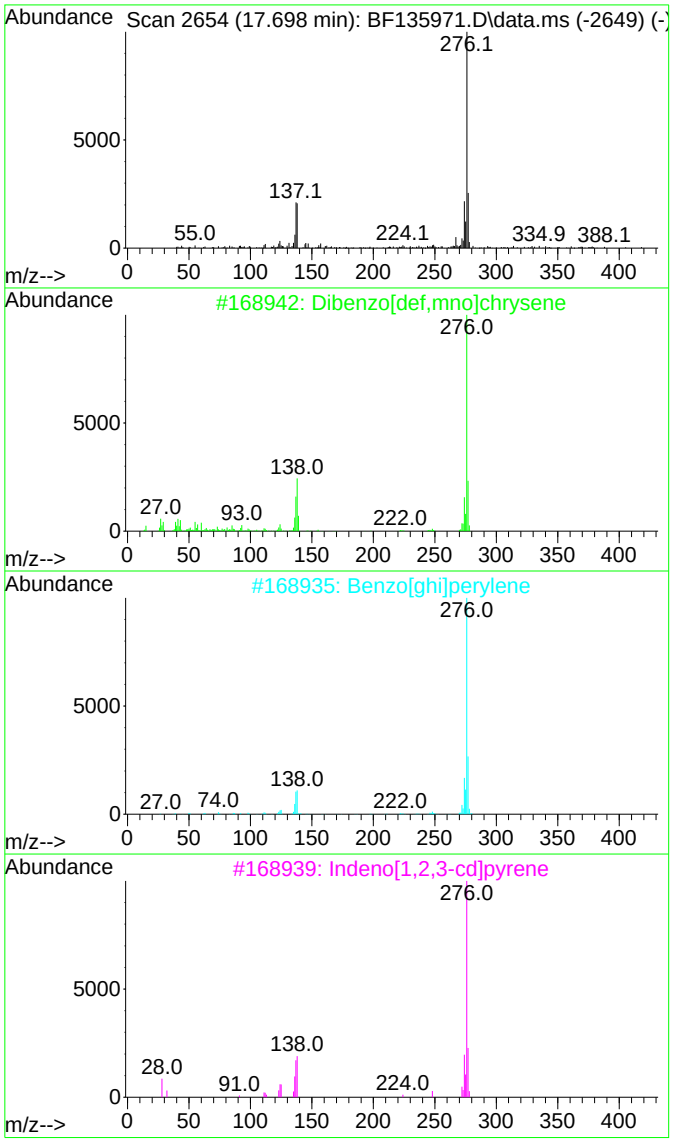
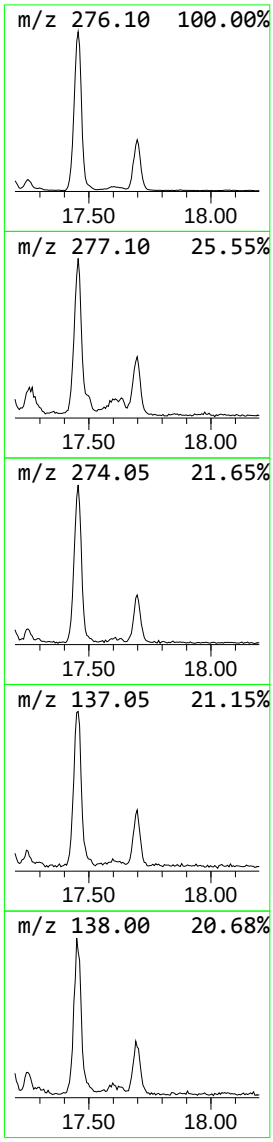
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.698	5.76 ng	205356	Perylene-d12	15.498

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	96
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	95
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	87
4	Phenol, 2-(4-chlorophenyliminome...	276	C13H9ClN2O3	1000262-90-3	53
5	6-Amino-3-methylanthrapyridine	276	C17H12N2O2	014642-72-9	47





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
Data File : BF135971.D
Acq On : 26 Oct 2023 19:20
Operator : CG\JU
Sample : 04693-03
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-2(10-15)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.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...	2.116	7.3	ng	369722	1	6.828	1015630	20.0
9H-Fluorene, 2-...	10.963	7.4	ng	380704	4	11.351	1028030	20.0
9H-Fluorene, 1-...	10.986	4.4	ng	226609	4	11.351	1028030	20.0
Anthracene, 1,2...	11.210	5.5	ng	284025	4	11.351	1028030	20.0
Dibenzothiophene	11.245	7.9	ng	405569	4	11.351	1028030	20.0
Phenanthrene, 2...	11.857	21.5	ng	1105710	4	11.351	1028030	20.0
Phenanthrene, 1...	11.886	24.4	ng	1254700	4	11.351	1028030	20.0
Anthracene, 1-m...	11.933	11.8	ng	607939	4	11.351	1028030	20.0
4-Bromothiophen...	11.969	34.5	ng	1772990	4	11.351	1028030	20.0
Anthracene, 2-m...	11.992	11.1	ng	571770	4	11.351	1028030	20.0
Naphthalene, 2-...	12.157	8.1	ng	417471	4	11.351	1028030	20.0
Phenanthrene, 4...	12.304	6.1	ng	313776	4	11.351	1028030	20.0
Phenanthrene, 1...	12.333	4.6	ng	237235	4	11.351	1028030	20.0
Phenanthrene, 2...	12.410	16.5	ng	848427	4	11.351	1028030	20.0
unknown12.451	12.451	12.8	ng	659175	4	11.351	1028030	20.0
9,10-Dimethylan...	12.498	9.1	ng	465479	4	11.351	1028030	20.0
Fluoranthene, 2...	13.133	5.4	ng	1245690	5	14.015	4576420	20.0
Benzo[e]pyrene	15.168	10.7	ng	382756	6	15.498	712474	20.0
Perylene	15.368	29.4	ng	1045710	6	15.498	712474	20.0
Dibenzo[def,mno...	17.698	5.8	ng	205356	6	15.498	712474	20.0