LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102122\
Data File : BF130751.D
Acq On : 21 Oct 2022 18:23
Operator : CG\JU
Sample : N5209-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-02-101922

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-BF102022.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF130751.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.716	478	481	493	rBV	99120	137471	1.79%	0.225%
2	5.169	555	558	573	rBV	475240	710641	9.27%	1.161%
3	6.216	734	736	757	rBV	546361	723543	9.44%	1.182%
4	6.557	791	794	802	rVB	536854	512304	6.68%	0.837%
5	7.134	889	892	900	rBV	395873	381753	4.98%	0.624%
6	7.845	1009	1013	1015	rBV	558079	512658	6.69%	0.838%
7	8.916	1192	1195	1200	rBV	876317	692338	9.03%	1.131%
8	9.251	1249	1252	1255	rBV	89653	87244	1.14%	0.143%
9	9.451	1283	1286	1291	rVB	126973	109692	1.43%	0.179%
10	9.586	1302	1309	1312	rBV	612249	533246	6.96%	0.871%
11	9.622	1312	1315	1320	rVB	378156	293151	3.82%	0.479%
12	9.792	1339	1344	1348	rBV	191207	179094	2.34%	0.293%
13	10.133	1399	1402	1408	rVB	364814	335609	4.38%	0.548%
14	10.198	1408	1413	1415	rBV	68931	85943	1.12%	0.140%
15	10.292	1426	1429	1433	rVB	137775	119874	1.56%	0.196%
16	10.380	1437	1444	1449	rBV	480037	511094	6.67%	0.835%
17	10.498	1461	1464	1471	rVB4	60950	105615	1.38%	0.173%
18	10.680	1488	1495	1498	rBV2	116243	153134	2.00%	0.250%
19	10.810	1512	1517	1519	rBV2	94500	115417	1.51%	0.189%
20	10.886	1527	1530	1533	rVB	114037	97384	1.27%	0.159%
21	10.922	1533	1536	1541	rVV3	99477	136894	1.79%	0.224%
22	10.969	1541	1544	1549	rVB	229998	223474	2.92%	0.365%
23	11.075	1558	1562	1563	rBV	484855	482024	6.29%	0.788%
24	11.104	1563	1567	1570	rVV	3153709	3067000	40.01%	5.011%
25	11.151	1571	1575	1578	rVV	1053593	954142	12.45%	1.559%
26	11.186	1578	1581	1586	rVB3	64403	97053	1.27%	0.159%
27	11.310	1597	1602	1609	rBV3	178397	290213	3.79%	0.474%
28	11.363	1609	1611	1614	rVV	148443	116696	1.52%	0.191%
29	11.480	1627	1631	1634	rVB2	66690	85152	1.11%	0.139%
30	11.569	1643	1646	1649	rBV	425321	415288	5.42%	0.679%
31	11.598	1649	1651	1656	rVB	648011	571103	7.45%	0.933%
32	11.651	1656	1660	1662	rBV	284899	264623	3.45%	0.432%
33	11.680	1662	1665	1668	rVV	1023106	1087636	14.19%	1.777%
34	11.704	1668	1669	1675	rVB	364418	239097	3.12%	0.391%
35	11.869	1693	1697	1701	rBV	427131	389166	5.08%	0.636%
36	11.910	1701	1704	1707	rVB2	234988	230142	3.00%	0.376%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102122\
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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-02-101922

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-BF102022.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.016	1719	1722	1724	rBV	97097	79391	1.04%	0.130%
38	12.045	1724	1727	1729	rVV	114261	83671	1.09%	0.137%
39	12.069	1729	1731	1735	rVB	103067	96176	1.25%	0.157%
40	12.122	1736	1740	1743	rBV	297193	330053	4.31%	0.539%
41	12.157	1743	1746	1748	rVV2	191470	219297	2.86%	0.358%
42	12.180	1748	1750	1752	rVB2	120925	90368	1.18%	0.148%
43	12.222	1752	1757	1761	rVB2	355528	397498	5.19%	0.649%
44	12.304	1763	1771	1773	rBV	5563607	7560133	98.62%	12.353%
45	12.351	1777	1779	1783	rVB2	119421	113877	1.49%	0.186%
46	12.433	1790	1793	1797	rBV	403582	393828	5.14%	0.643%
47	12.527	1802	1809	1812	rBV2	5046250	7666086	100.00%	12.526%
48	12.563	1812	1815	1820	rVB2	274099	297539	3.88%	0.486%
49	12.633	1823	1827	1828	rBV	397913	356965	4.66%	0.583%
50	12.657	1828	1831	1833	rVV	682435	681196	8.89%	1.113%
51	12.674	1833	1834	1838	rVB	234754	190294	2.48%	0.311%
52	12.733	1838	1844	1848	rBV2	395461	671007	8.75%	1.096%
53	12.816	1855	1858	1860	rBV3	312320	407911	5.32%	0.666%
54	12.839	1860	1862	1865	rVB	697137	630660	8.23%	1.030%
55	12.886	1865	1870	1871	rBV3	85024	113660	1.48%	0.186%
56	12.904	1871	1873	1876	rVV	438312	351431	4.58%	0.574%
57	12.939	1876	1879	1887	rVB3	544336	704972	9.20%	1.152%
58	13.033	1892	1895	1898	rVB	275774	221429	2.89%	0.362%
59	13.063	1898	1900	1904	rBV3	314298	310481	4.05%	0.507%
60	13.133	1909	1912	1914	rBV2	79585	82831	1.08%	0.135%
61	13.351	1946	1949	1953	rVV	426924	401690	5.24%	0.656%
62	13.457	1964	1967	1969	rBV2	539843	533634	6.96%	0.872%
63	13.480	1969	1971	1973	rVV	464002	369825	4.82%	0.604%
64	13.510	1973	1976	1977	rVV	420101	355925	4.64%	0.582%
65	13.527	1977	1979	1982	rVV2	253215	245678	3.20%	0.401%
66	13.568	1983	1986	1991	rVB	466591	480673	6.27%	0.785%
67	13.627	1991	1996	2002	rBV	170688	291490	3.80%	0.476%
68	13.704	2003	2009	2013	rBV2	2611094	4028145	52.55%	6.582%
69	13.745	2013	2016	2019	rVB	2478536	2256983	29.44%	3.688%
70	13.816	2025	2028	2031	rVB	498218	395720	5.16%	0.647%
71	13.868	2034	2037	2042	rVV4	170938	251089	3.28%	0.410%
72	13.921	2042	2046	2048	rVV2	162992	199521	2.60%	0.326%
73	13.945	2048	2050	2052	rVB	147221	105196	1.37%	0.172%
74	14.057	2067	2069	2071	rBV	120989	127864	1.67%	0.209%
75	14.092	2073	2075	2079	rVV	377913	395007	5.15%	0.645%
76	14.127	2079	2081	2084	rVB	182310	137818	1.80%	0.225%

LSC Area Percent Report

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Sample : N5209-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-02-101922

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

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Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102022.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.174	2087	2089	2091	rVV	139519	139430	1.82%	0.228%
78	14.216	2094	2096	2098	rVV2	165442	139174	1.82%	0.227%
79	14.239	2098	2100	2103	rVB	196676	162520	2.12%	0.266%
80	14.268	2103	2105	2106	rBV	97595	78352	1.02%	0.128%
81	14.421	2128	2131	2136	rVB5	142407	184098	2.40%	0.301%
82	14.574	2154	2157	2160	rVB	246006	243439	3.18%	0.398%
83	14.721	2176	2182	2187	rBV	1957482	3954637	51.59%	6.462%
84	14.763	2187	2189	2194	rVB3	284338	317030	4.14%	0.518%
85	14.810	2194	2197	2200	rVB	429519	401671	5.24%	0.656%
86	14.980	2222	2226	2232	rBV	1155559	1385408	18.07%	2.264%
87	15.045	2232	2237	2242	rVV	1797045	2125105	27.72%	3.472%
88	15.092	2242	2245	2247	rVV	283648	304203	3.97%	0.497%
89	15.121	2247	2250	2256	rVB	593914	697647	9.10%	1.140%
90	15.651	2338	2340	2345	rVB5	128288	168752	2.20%	0.276%
91	16.392	2460	2466	2473	rBV	895539	1679621	21.91%	2.744%
92	16.539	2488	2491	2495	rVB	110940	148086	1.93%	0.242%
93	16.780	2527	2532	2544	rVB	641109	1399013	18.25%	2.286%

Sum of corrected areas: 61202106

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Operator : CG\JU
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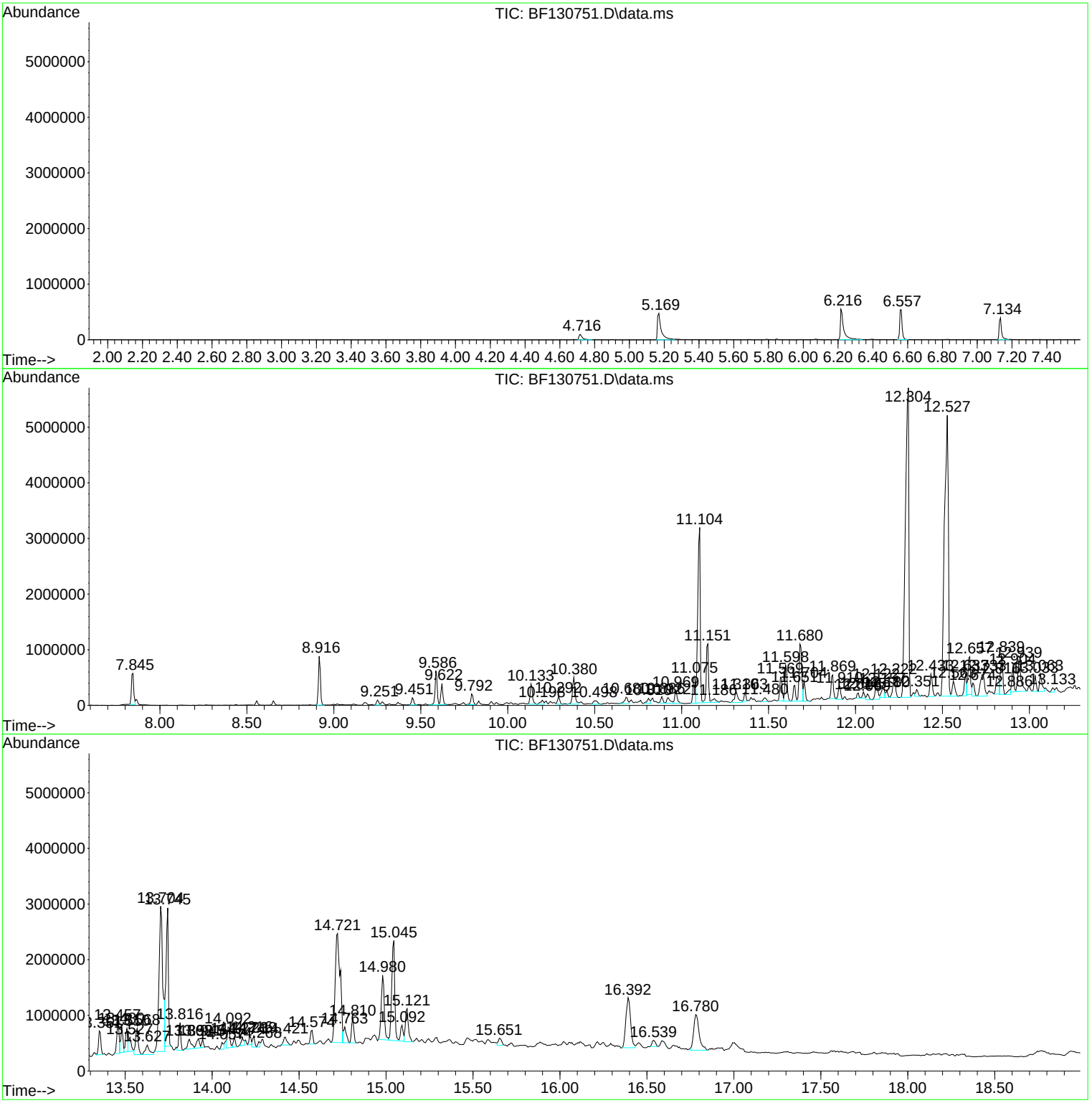
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-02-101922

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102022.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\BF102122\
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Instrument :
BNA_F
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CL-02-101922

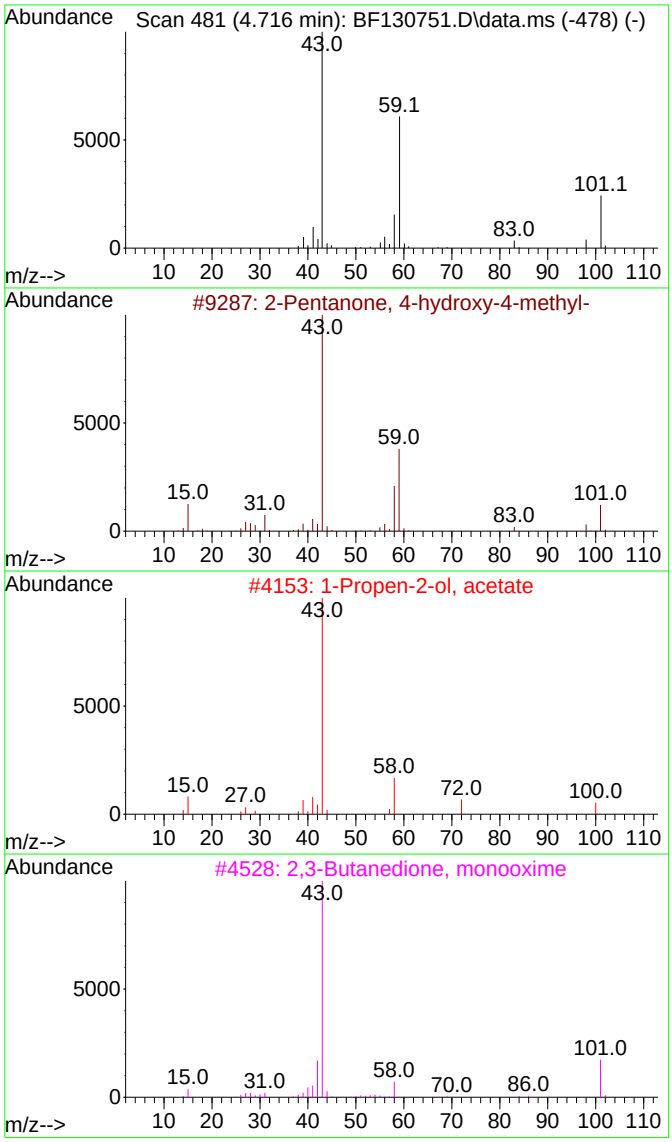
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102022.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

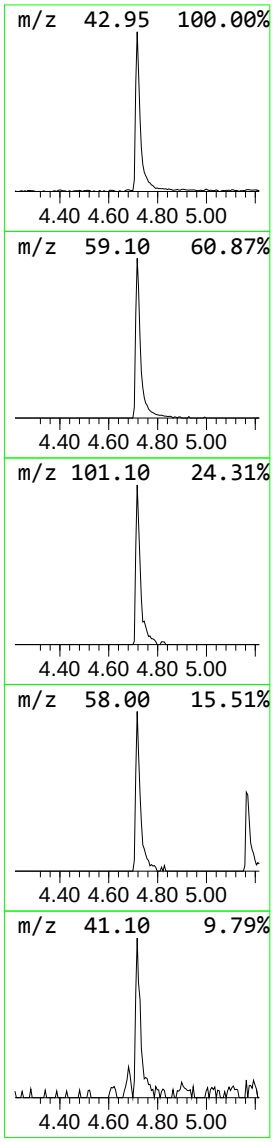
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.716	5.37 ng	137471	1,4-Dichlorobenzene-d4	6.563

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
4	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
5	5-Hexen-2-one	98	C6H10O	000109-49-9	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102122\
Data File : BF130751.D
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Sample : N5209-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-02-101922

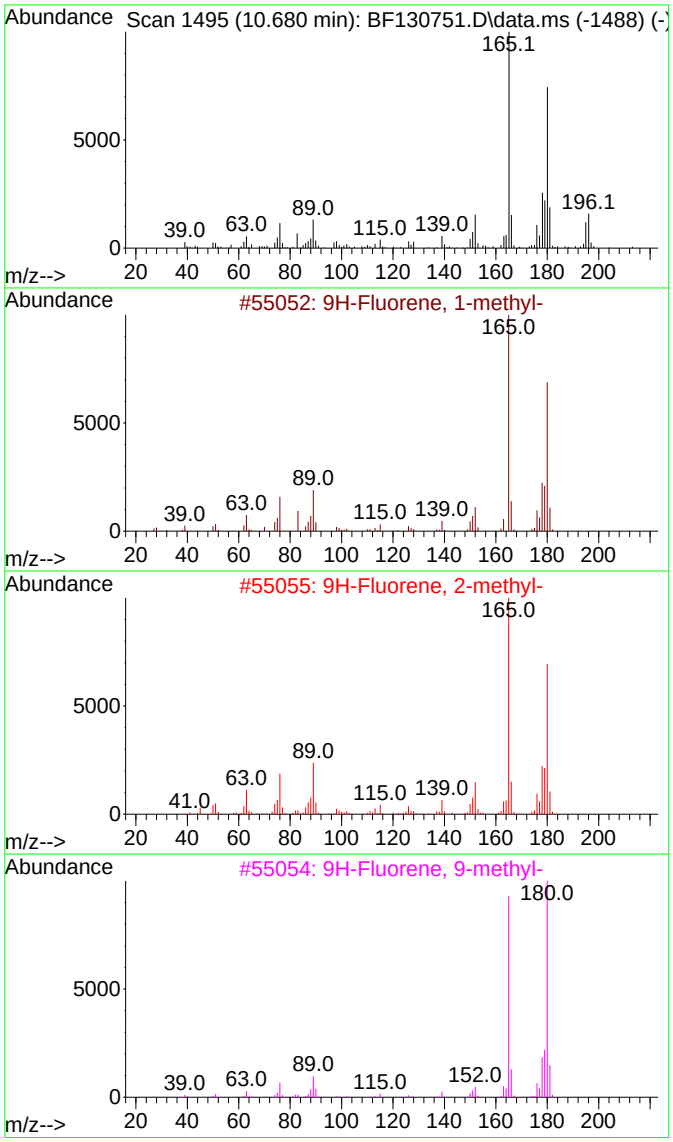
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102022.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

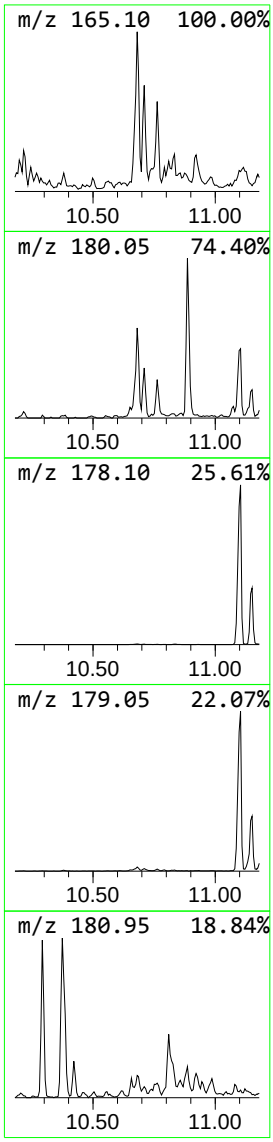
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 9H-Fluorene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.680	6.35 ng	153134	Phenanthrene-d10	11.075

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	76
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	70
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	70





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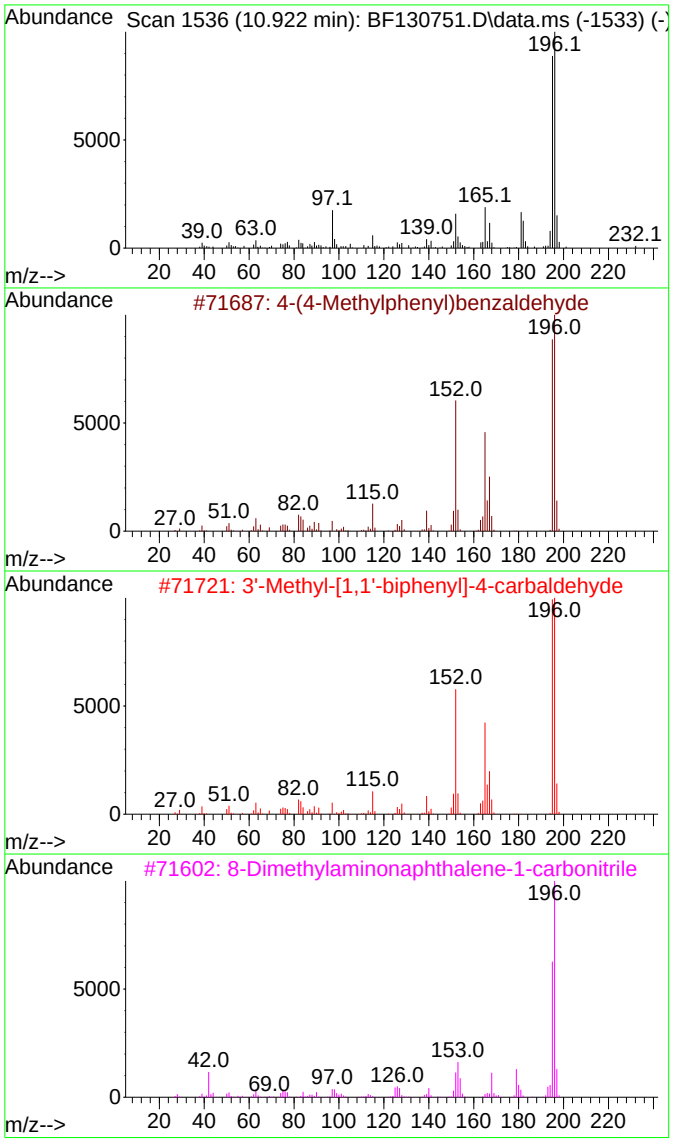
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102022.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

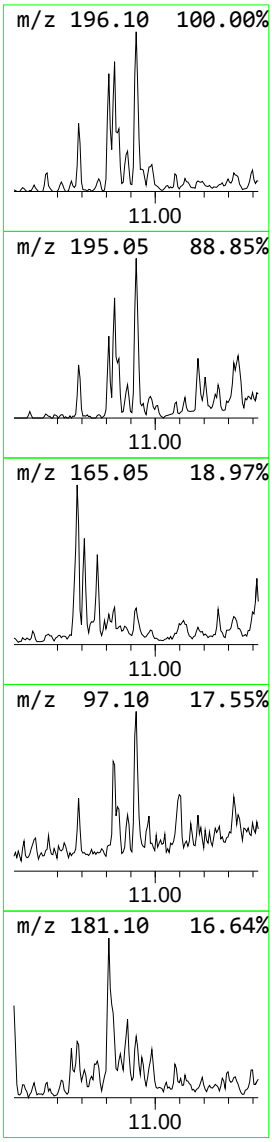
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 4-(4-Methylphenyl)benzaldehyde Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.922	5.68 ng	136894	Phenanthrene-d10	11.075

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-(4-Methylphenyl)benzaldehyde	196	C14H12O	036393-42-7	87
2	3'-Methyl-[1,1'-biphenyl]-4-carb...	196	C14H12O	400744-83-4	87
3	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	72
4	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	62
5	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	58





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

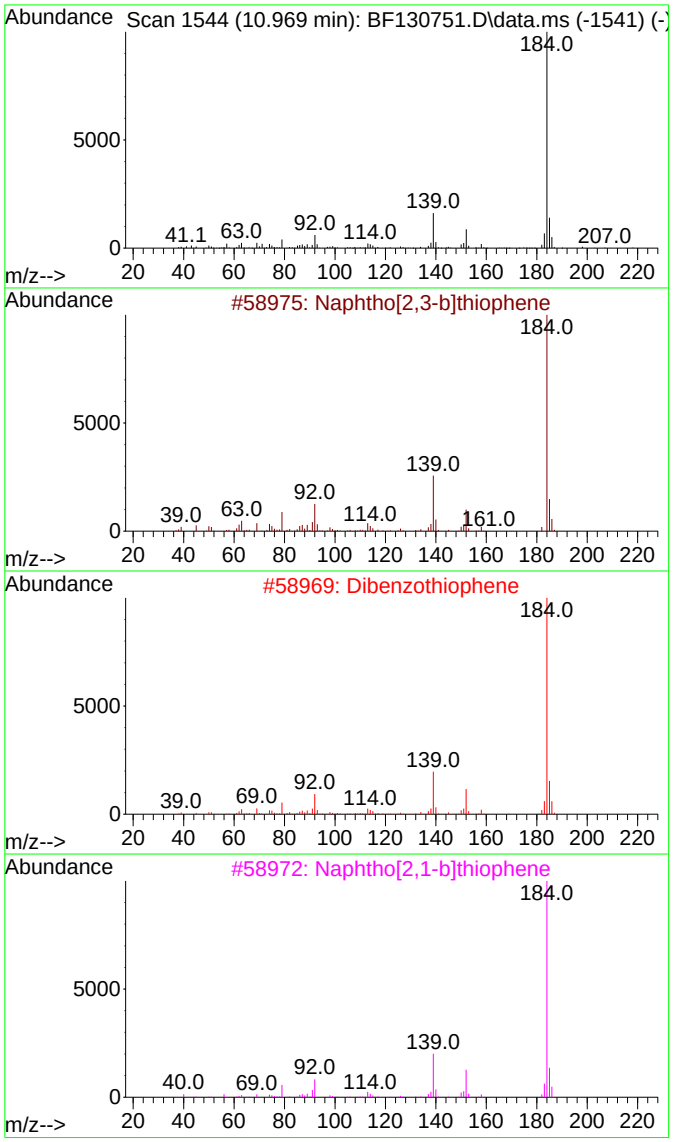
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

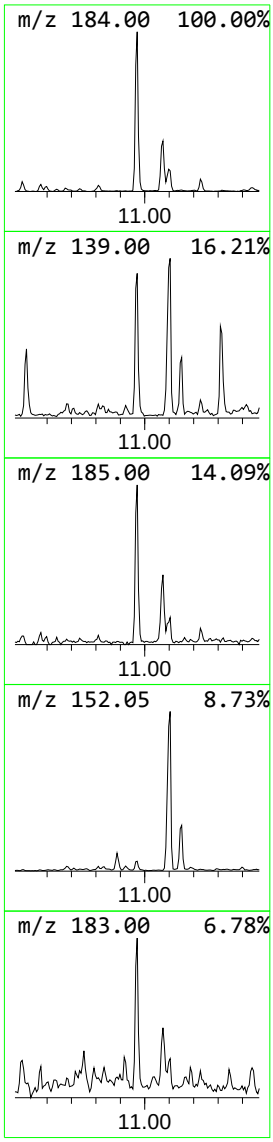
****

Peak Number 4 Naphtho[2,3-b]thiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.969	9.27 ng	223474	Phenanthrene-d10	11.075

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	97
2	Dibenzothiophene	184	C12H8S	000132-65-0	97
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
5	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72





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Operator : CG\JU
Sample : N5209-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-02-101922

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102022.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

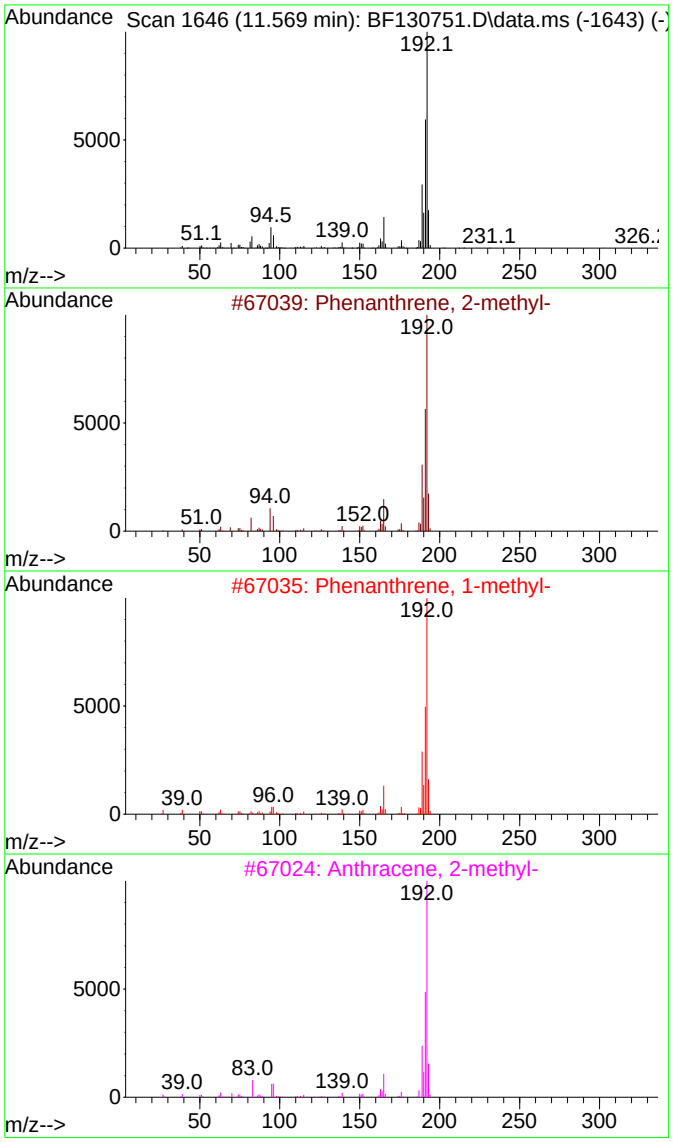
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

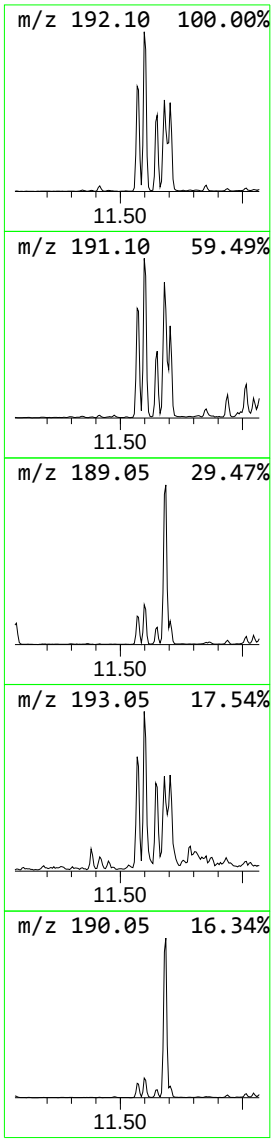
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.569	17.23 ng	415288	Phenanthrene-d10	11.075

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	96
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102122\
Data File : BF130751.D
Acq On : 21 Oct 2022 18:23
Operator : CG\JU
Sample : N5209-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-02-101922

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102022.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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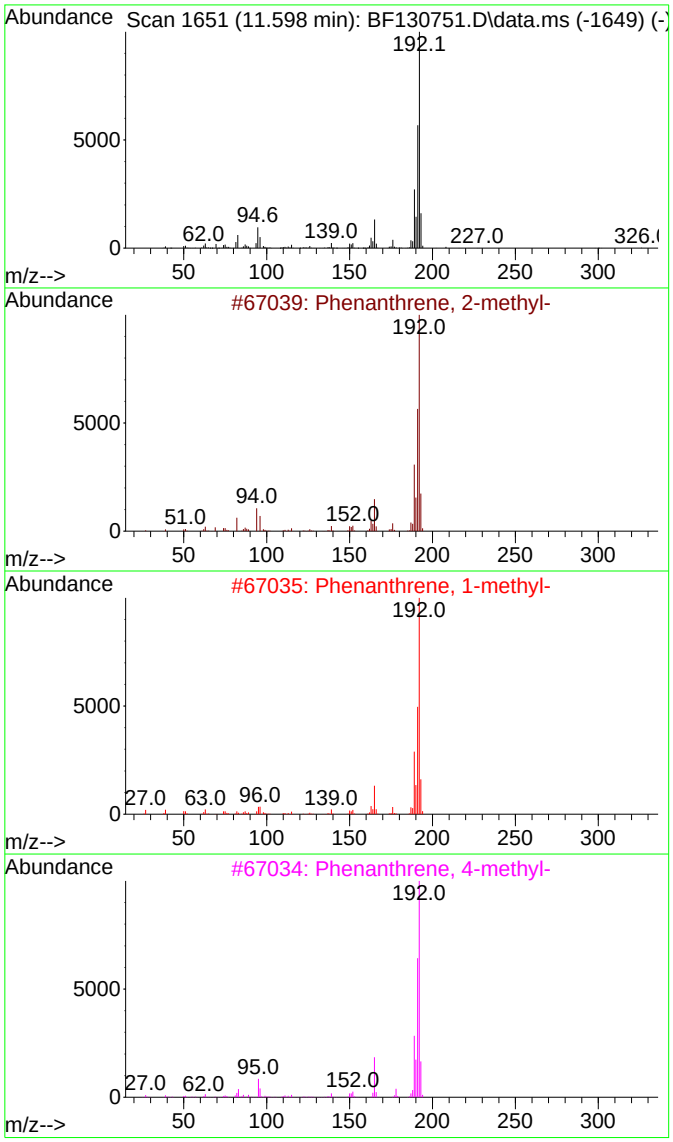
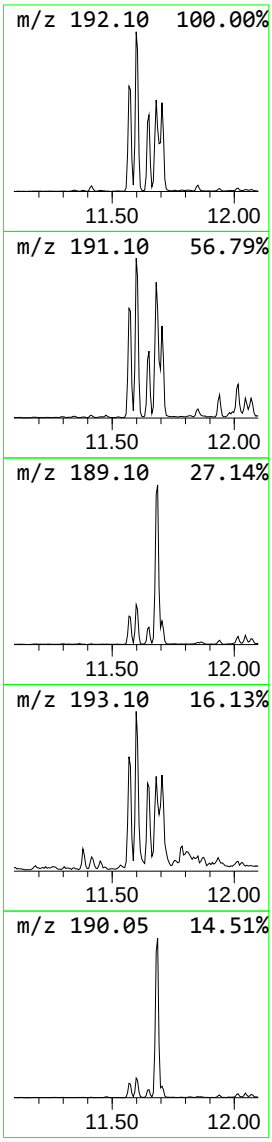
Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.598	23.70 ng	571103	Phenanthrene-d10	11.075

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	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





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Operator : CG\JU
Sample : N5209-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-02-101922

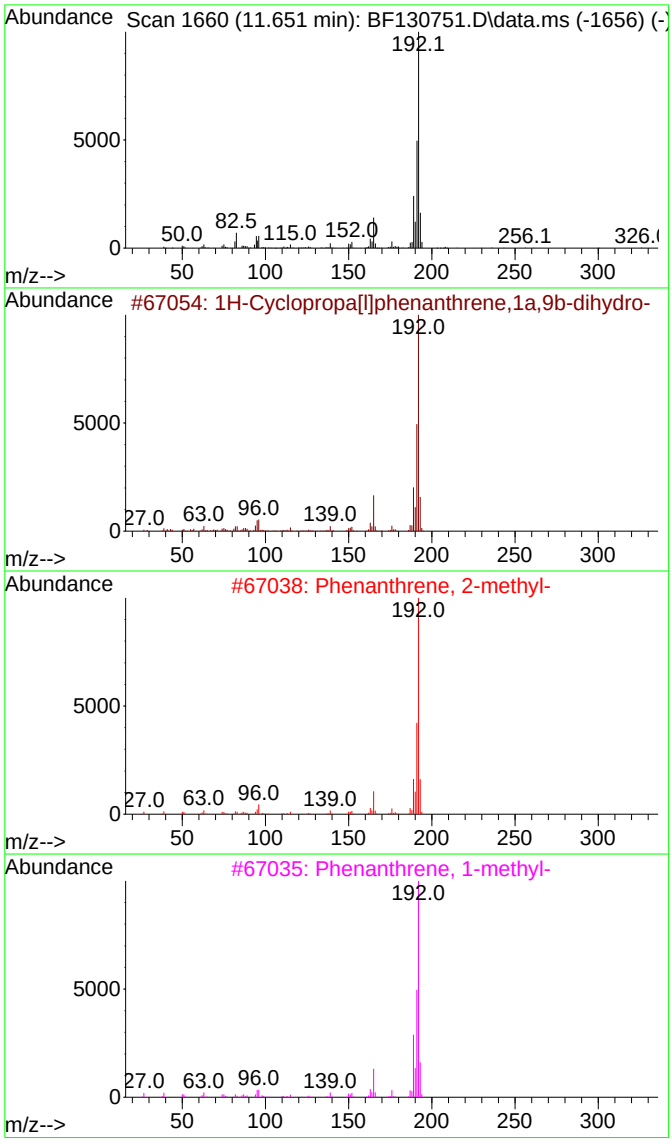
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102022.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

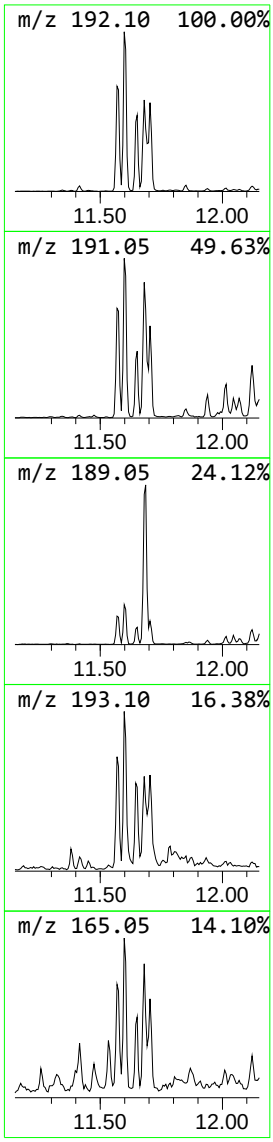
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 1H-Cyclopropa[l]phenanthren... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.651	10.98 ng	264623	Phenanthrene-d10	11.075

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95





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Operator : CG\JU
Sample : N5209-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-02-101922

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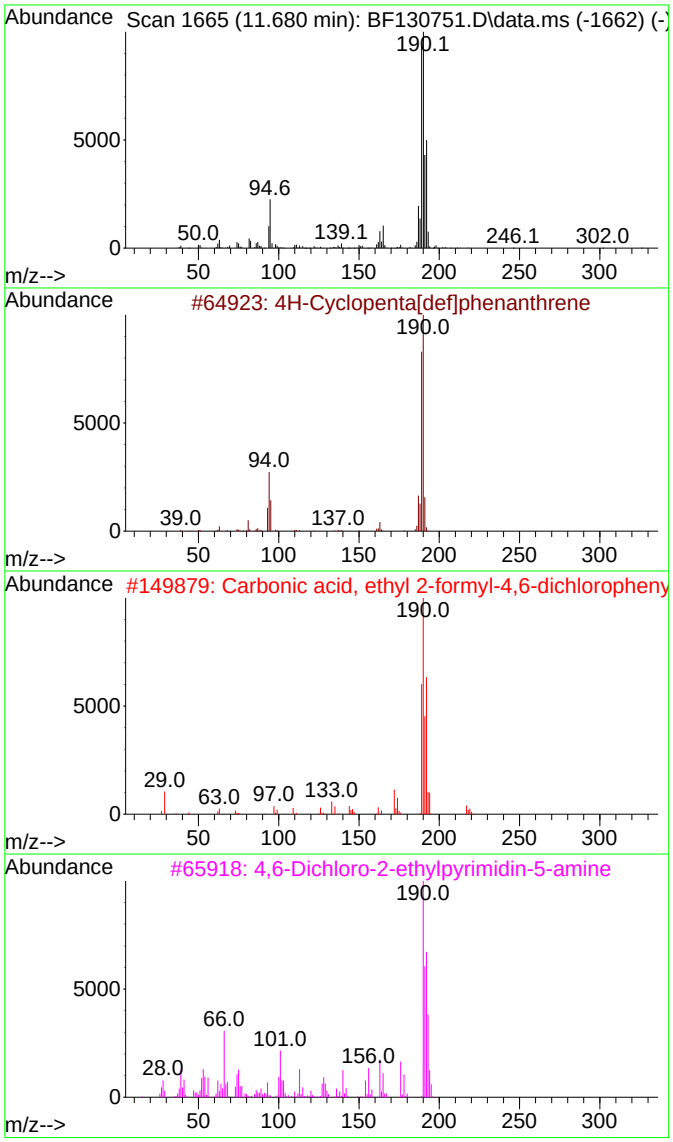
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

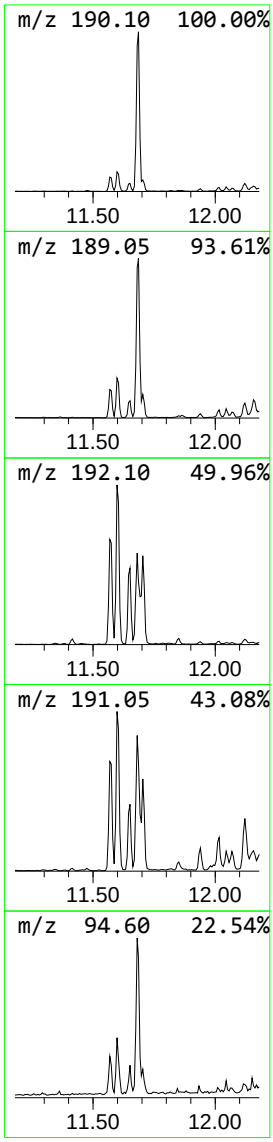
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.680	45.13 ng	1087640	Phenanthrene-d10	11.075

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50
3	4,6-Dichloro-2-ethylpyrimidin-5-...	191	C6H7Cl2N3	006237-96-3	43
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	42





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Operator : CG\JU
Sample : N5209-01 2X
Misc :
ALS Vial : 15 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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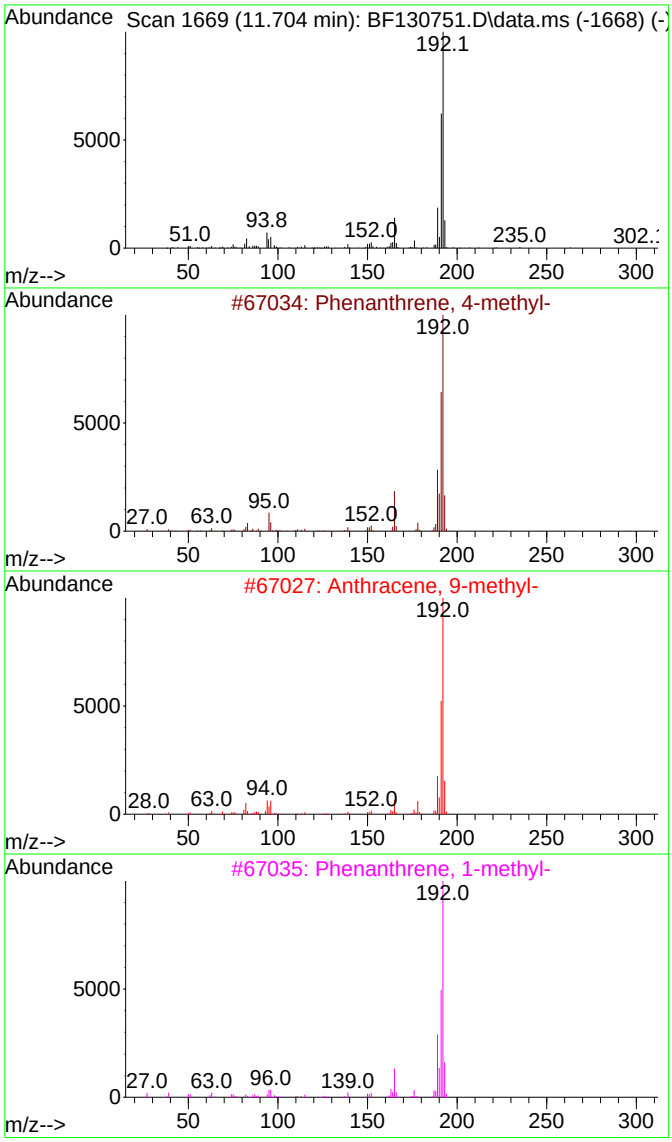
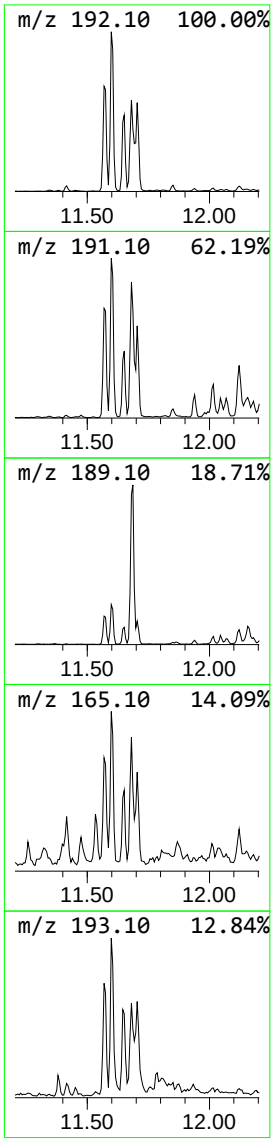
Peak Number 9 Phenanthrene, 4-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.704	9.92 ng	239097	Phenanthrene-d10	11.075

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	83
4	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	83
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	83





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Operator : CG\JU
Sample : N5209-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
CL-02-101922

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102022.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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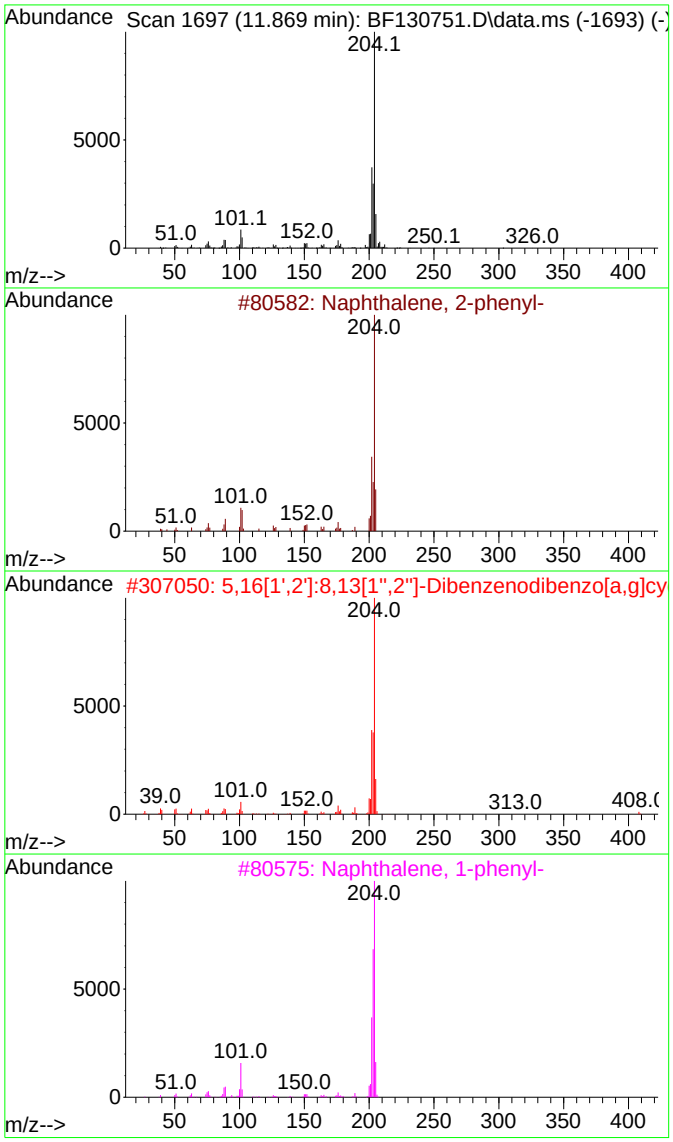
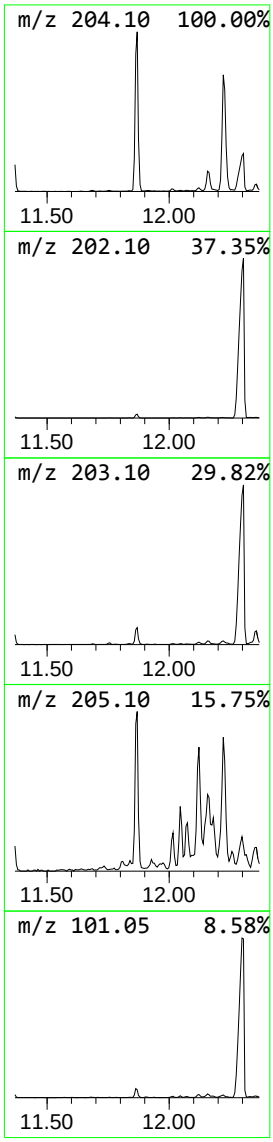
Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.869	16.15 ng	389166	Phenanthrene-d10	11.075

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	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	62
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53





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Misc :
ALS Vial : 15 Sample Multiplier: 1

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

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

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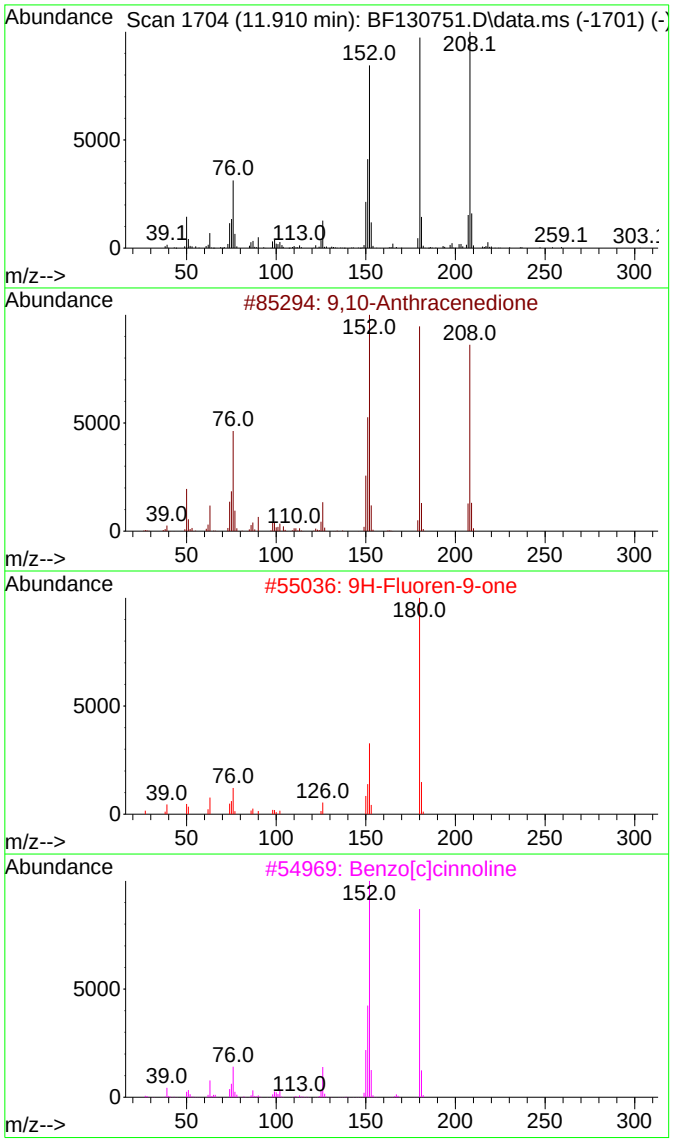
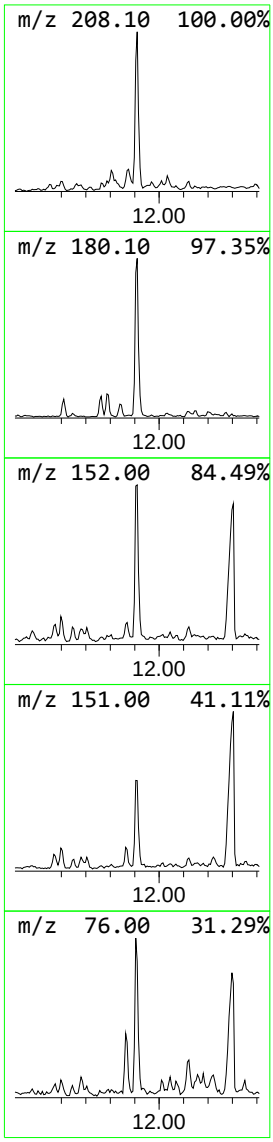
Peak Number 11 9,10-Anthracenedione Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.910	9.55 ng	230142	Phenanthrene-d10	11.075

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	86
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	64
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	64





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Sample : N5209-01 2X
Misc :
ALS Vial : 15 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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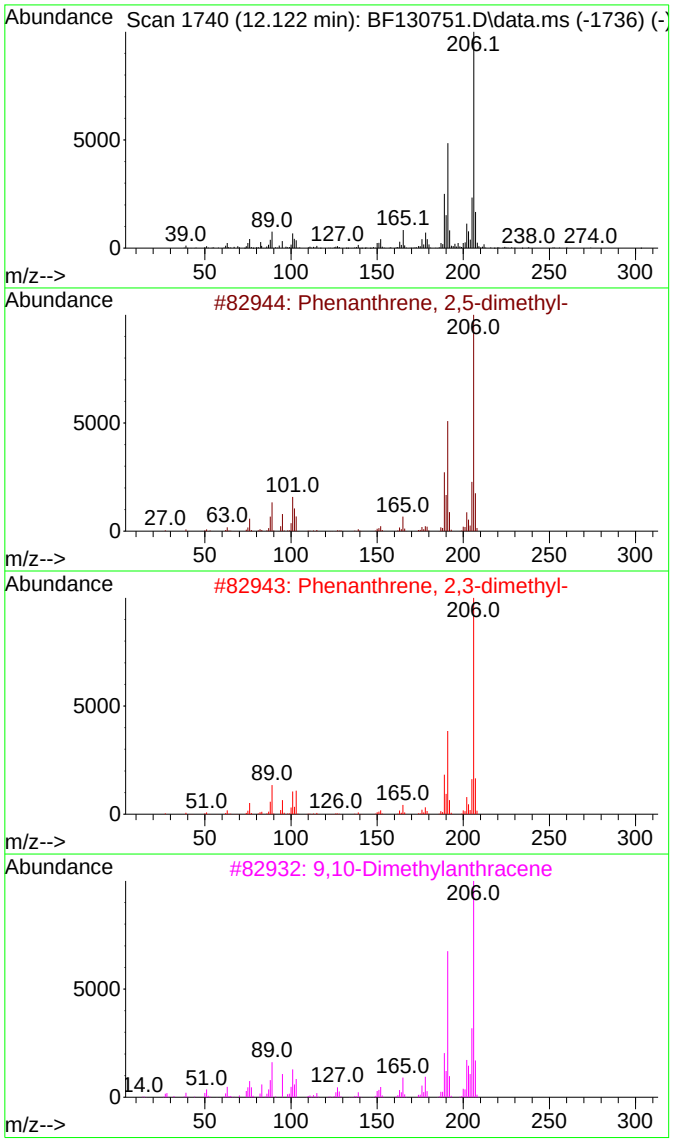
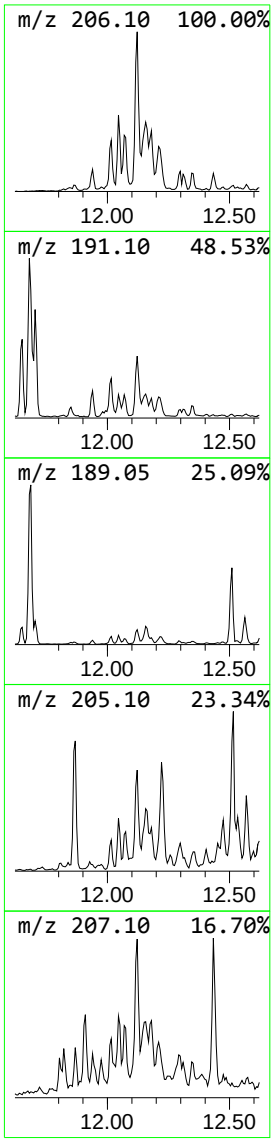
Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.121	13.69 ng	330053	Phenanthrene-d10	11.075

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	90





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Operator : CG\JU
Sample : N5209-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102022.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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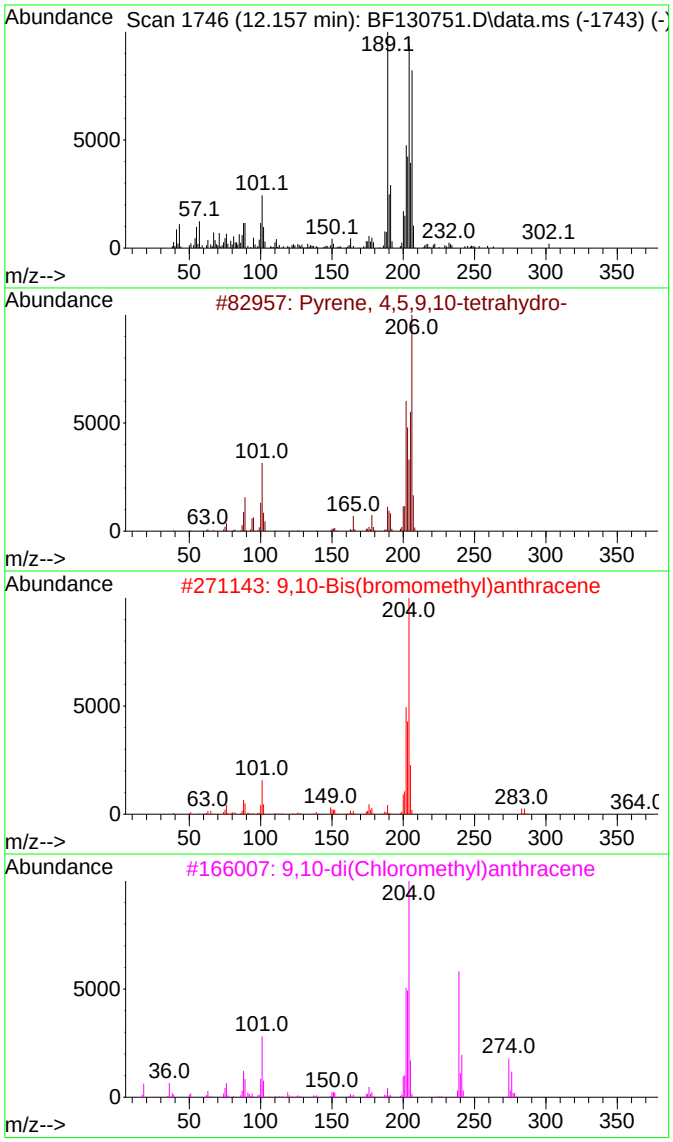
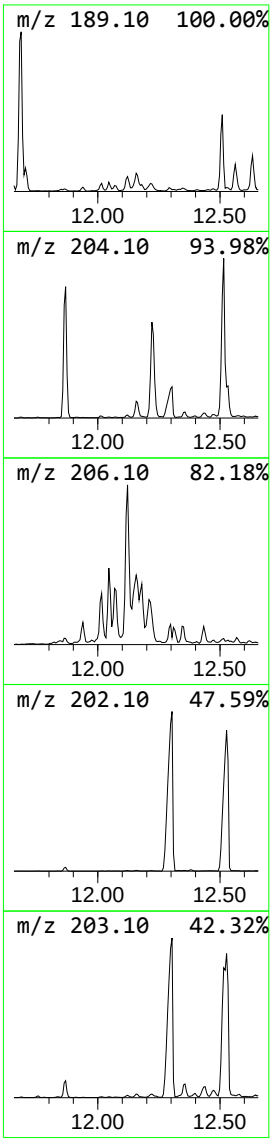
Peak Number 13 Pyrene, 4,5,9,10-tetrahydro- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.157	9.10 ng	219297	Phenanthrene-d10	11.075

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	51
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	38
3	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	35
4	4-(Trifluoromethoxy)benzoic acid	206	C8H5F3O3	000330-12-1	27
5	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	22





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Sample : N5209-01 2X
Misc :
ALS Vial : 15 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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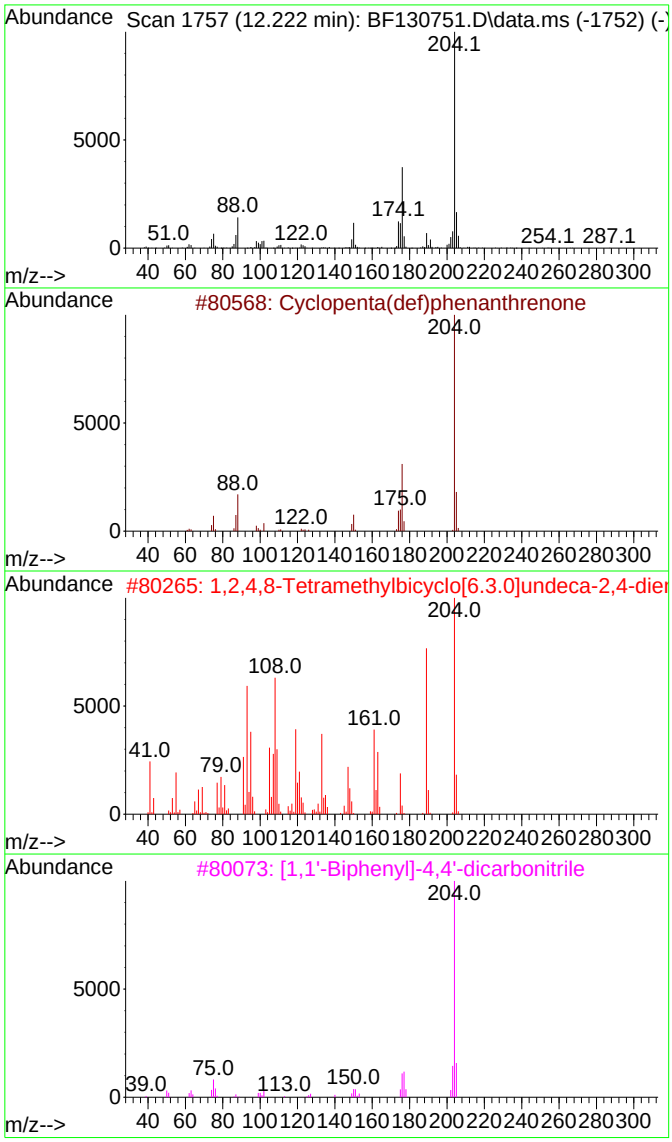
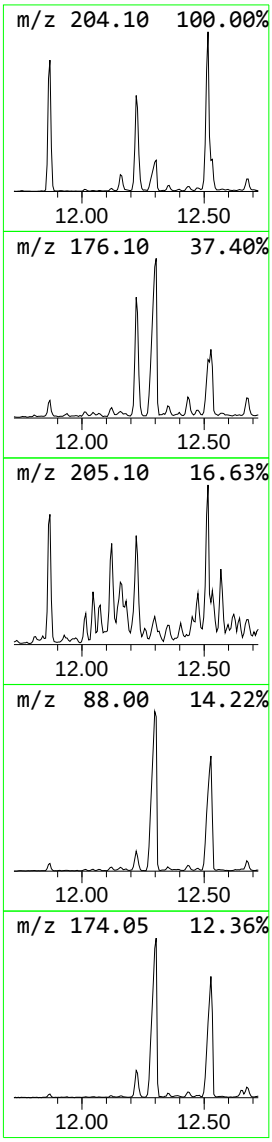
Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.222	16.49 ng	397498	Phenanthrene-d10	11.075

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	60
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
4	Dihydrofuranno(3,2-H)homochromanone	204	C12H12O3	057052-85-4	53
5	4-Methoxy-6-(3-fluorophenyl)pyri...	204	C11H9FN2O	076128-74-0	50





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Misc :
ALS Vial : 15 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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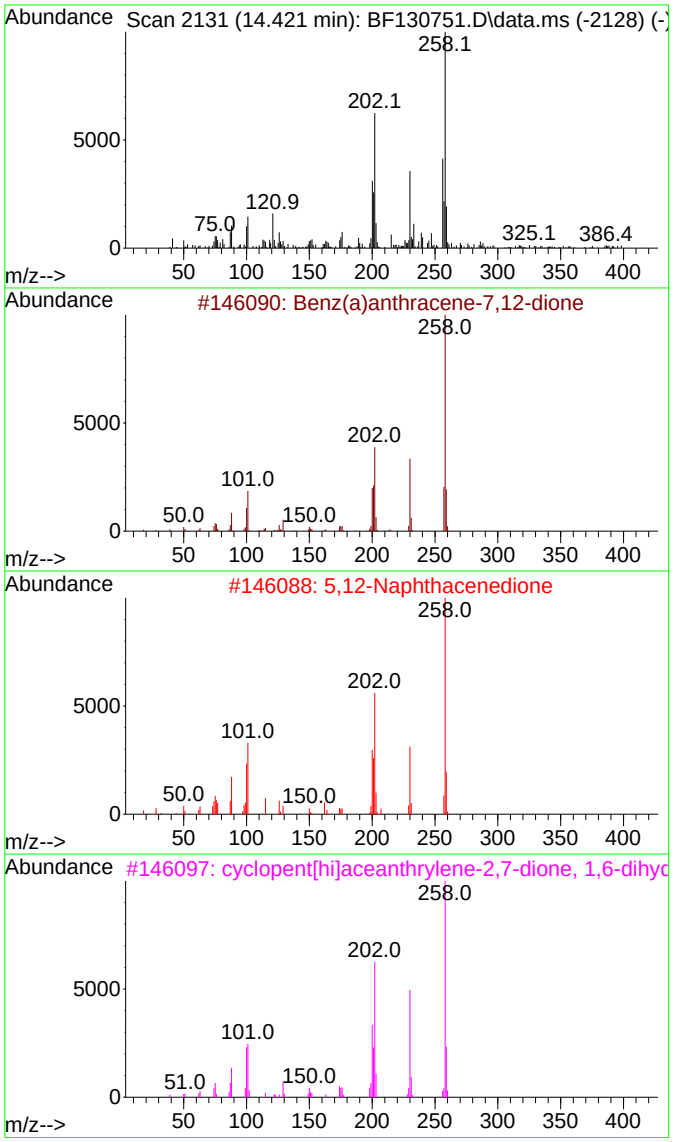
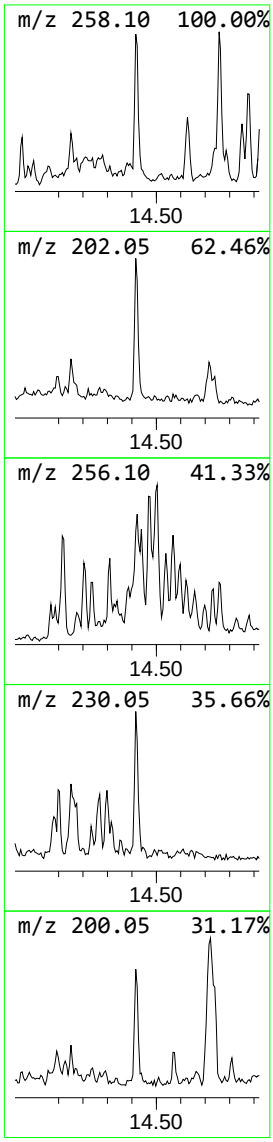
Peak Number 15 Benz(a)anthracene-7,12-dione Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.421	12.10 ng	184098	Perylene-d12	15.092

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	93
2	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	93
3	cyclopent[hi]aceanthrylene-2,7-d...	258	C18H10O2	1000396-75-6	70
4	7,8,9,10,11,12-Hexahydrobenzo[a]...	258	C20H18	073712-71-7	45
5	4,5,7,8,9,10-Hexahydrobenzo[a]py...	258	C20H18	073712-75-1	43





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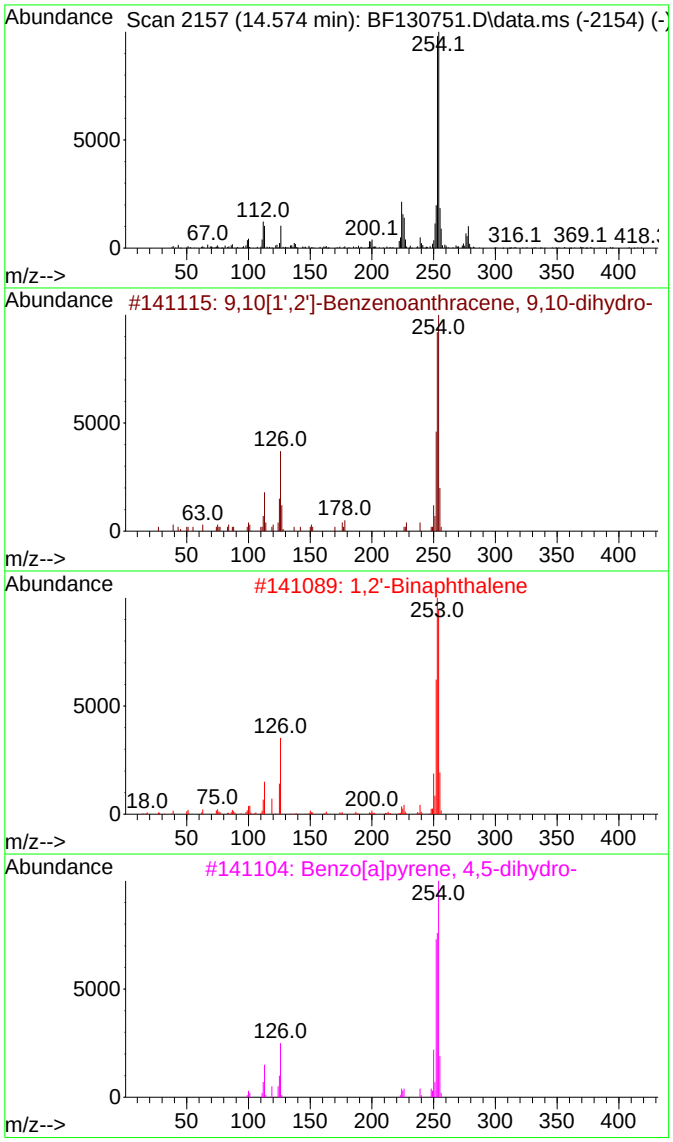
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

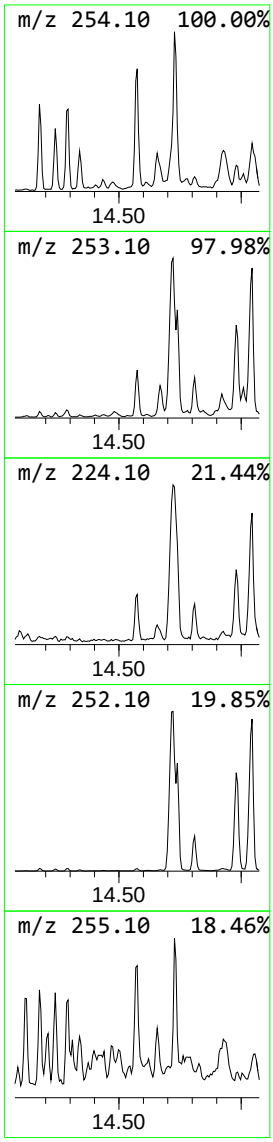
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 9,10[1',2']-Benzenoanthrace... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.574	16.00 ng	243439	Perylene-d12	15.092

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	70
2	1,2'-Binaphthalene	254	C20H14	004325-74-0	68
3	Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	64
4	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	58
5	9,10[1',4']-Benzenoanthracene, 9...	254	C20H14	1000487-02-7	53





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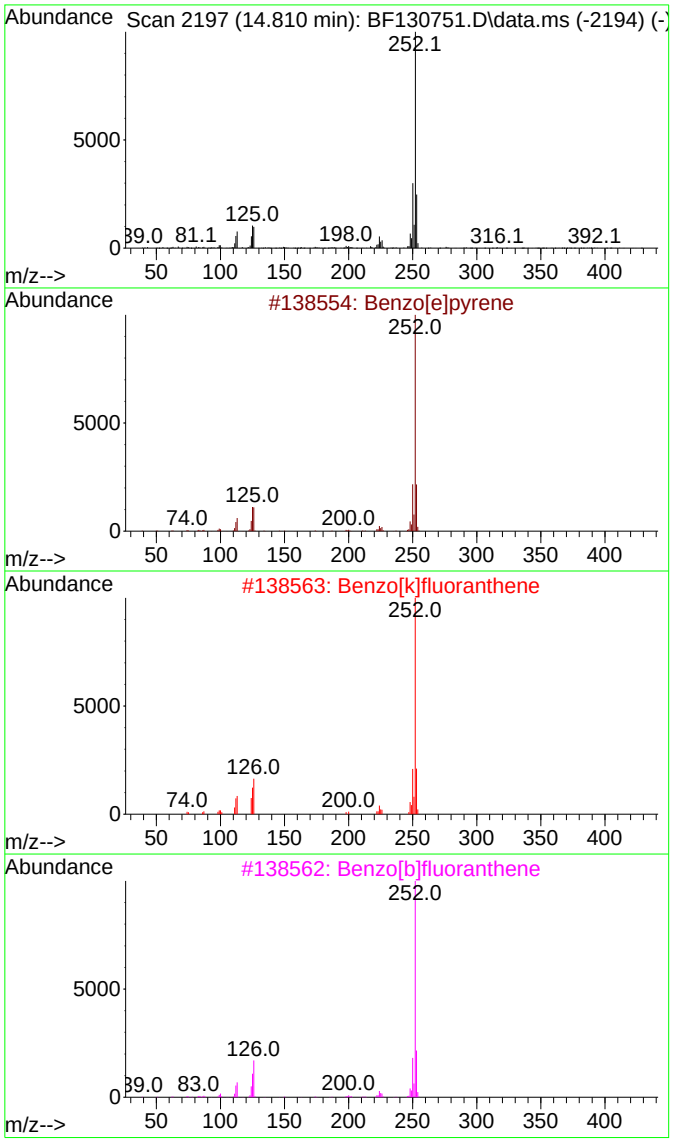
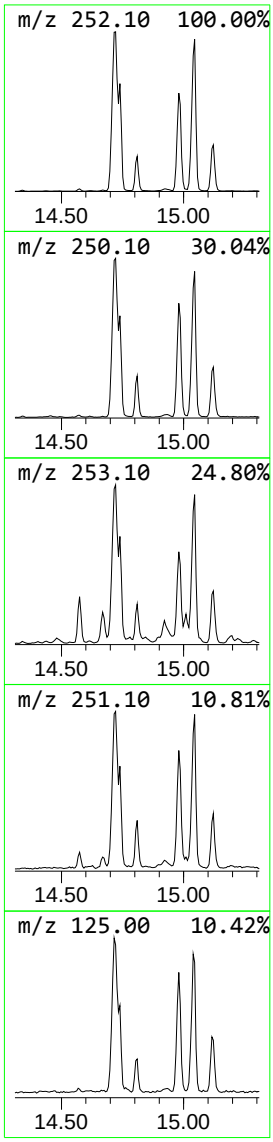
Peak Number 17 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.810	26.41 ng	401671	Perylene-d12	15.092

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





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Data File : BF130751.D
Acq On : 21 Oct 2022 18:23
Operator : CG\JU
Sample : N5209-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-02-101922

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102022.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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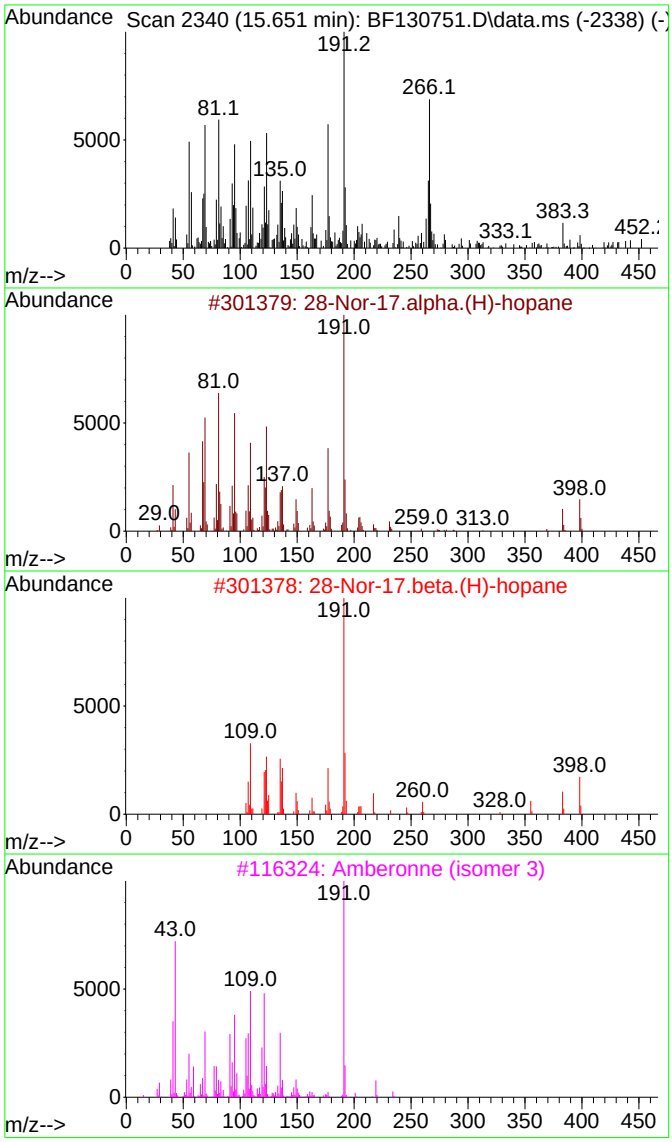
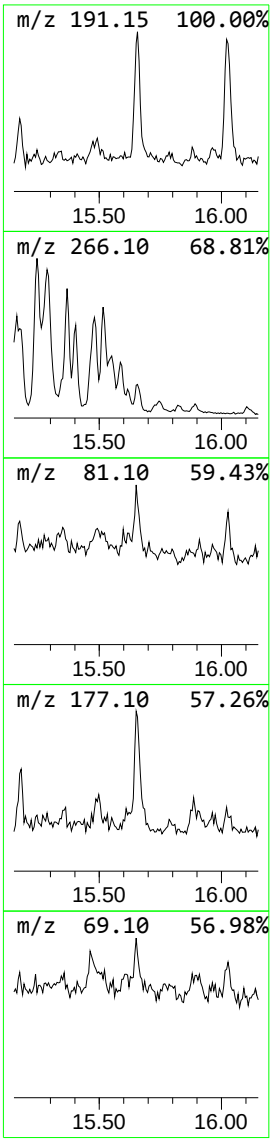
Peak Number 19 28-Nor-17.alpha.(H)-hopane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.651	11.09 ng	168752	Perylene-d12	15.092

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	28-Nor-17.alpha.(H)-hopane	398	C29H50	053584-60-4	93
2	28-Nor-17.beta.(H)-hopane	398	C29H50	036728-72-0	55
3	Amberonne (isomer 3)	234	C16H26O	1000470-69-9	46
4	benzoic acid, 2-chloro-4-[[4-(pe...	362	C19H19ClO5	1000398-52-3	35
5	Anthracene, 9-butyltetradecahydro-	248	C18H32	055133-89-6	27





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102122\
Data File : BF130751.D
Acq On : 21 Oct 2022 18:23
Operator : CG\JU
Sample : N5209-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-02-101922

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102022.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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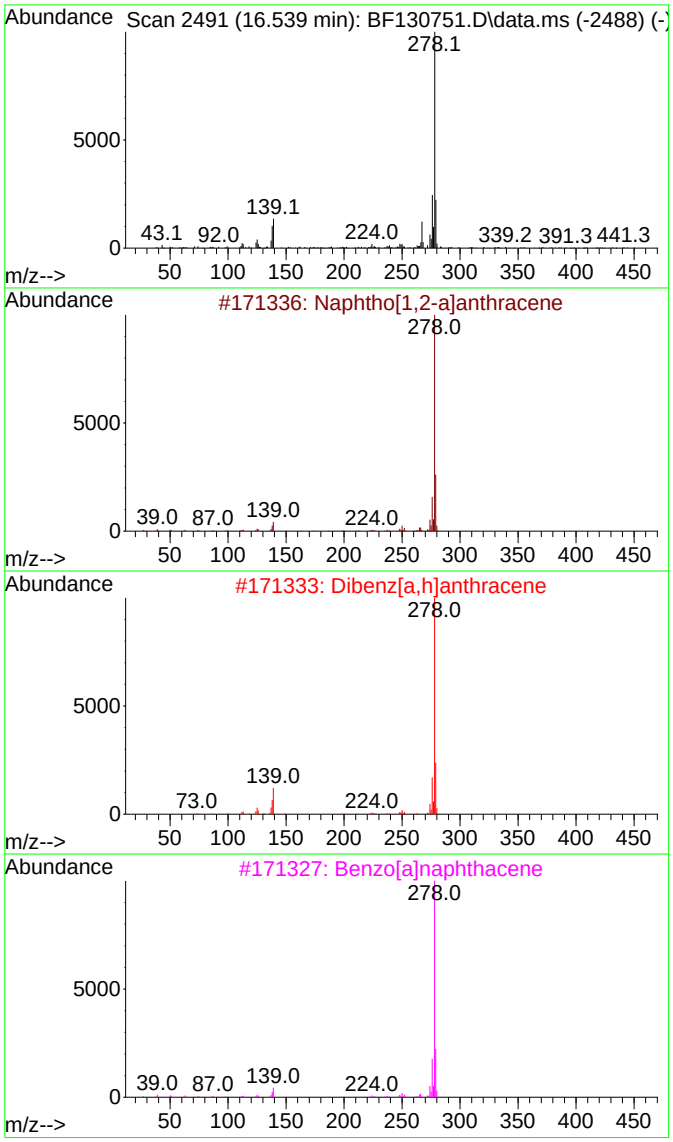
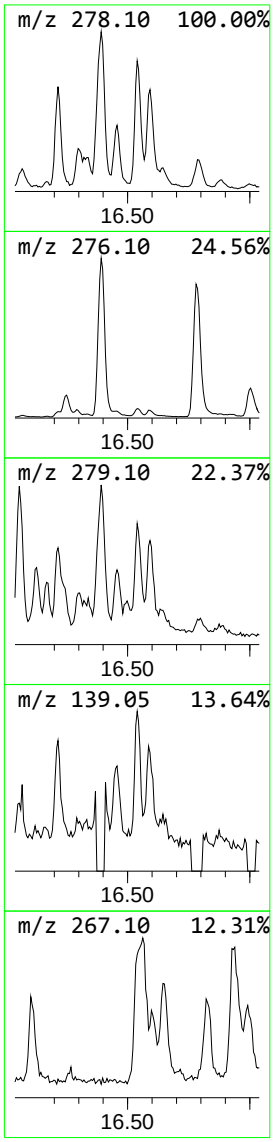
Peak Number 20 Naphtho[1,2-a]anthracene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.539	9.74 ng	148086	Perylene-d12	15.092

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[1,2-a]anthracene	278	C22H14	000195-06-2	93
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	93
3	Benzo[a]naphthacene	278	C22H14	000226-88-0	90
4	Benzo[b]triphenylene	278	C22H14	000215-58-7	89
5	Benzo[b]chrysene	278	C22H14	000214-17-5	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102122\
Data File : BF130751.D
Acq On : 21 Oct 2022 18:23
Operator : CG\JU
Sample : N5209-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-02-101922

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102022.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-...	4.716	5.4	ng	137471	1	6.563	512304	20.0
9H-Fluorene, 1-...	10.680	6.3	ng	153134	4	11.075	482024	20.0
4-(4-Methylphen...	10.922	5.7	ng	136894	4	11.075	482024	20.0
Naphtho[2,3-b]t...	10.969	9.3	ng	223474	4	11.075	482024	20.0
Phenanthrene, 2...	11.569	17.2	ng	415288	4	11.075	482024	20.0
Phenanthrene, 1...	11.598	23.7	ng	571103	4	11.075	482024	20.0
1H-Cyclopropa[l...	11.651	11.0	ng	264623	4	11.075	482024	20.0
4H-Cyclopenta[d...	11.680	45.1	ng	1087640	4	11.075	482024	20.0
Phenanthrene, 4...	11.704	9.9	ng	239097	4	11.075	482024	20.0
Naphthalene, 2-...	11.869	16.1	ng	389166	4	11.075	482024	20.0
9,10-Anthracene...	11.910	9.6	ng	230142	4	11.075	482024	20.0
Phenanthrene, 2...	12.121	13.7	ng	330053	4	11.075	482024	20.0
Pyrene, 4,5,9,1...	12.157	9.1	ng	219297	4	11.075	482024	20.0
Cyclopenta(def)...	12.222	16.5	ng	397498	4	11.075	482024	20.0
Benz(a)anthrace...	14.421	12.1	ng	184098	6	15.092	304203	20.0
9,10[1',2']-Ben...	14.574	16.0	ng	243439	6	15.092	304203	20.0
Benzo[e]pyrene	14.810	26.4	ng	401671	6	15.092	304203	20.0
28-Nor-17.alpha...	15.651	11.1	ng	168752	6	15.092	304203	20.0
Naphtho[1,2-a]a...	16.539	9.7	ng	148086	6	15.092	304203	20.0