LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103122\
Data File : BF130889.D
Acq On : 31 Oct 2022 20:26
Operator : CG\JU
Sample : N5359-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-01-102822

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-BF102722.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF130889.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.222	17	23	29	rVB	202839	257207	6.48%	0.502%
2	5.157	518	522	528	rVB	118270	116483	2.94%	0.227%
3	5.551	581	589	592	rBV	989879	847625	21.37%	1.655%
4	6.557	755	760	768	rBV	933905	848041	21.38%	1.656%
5	6.939	822	825	829	rBV	615127	487083	12.28%	0.951%
6	7.498	916	920	924	rBV	561274	492125	12.41%	0.961%
7	8.228	1040	1044	1046	rBV	681676	555248	14.00%	1.084%
8	9.304	1223	1227	1230	rBV	996517	822432	20.73%	1.606%
9	9.845	1316	1319	1323	rBV	190318	173693	4.38%	0.339%
10	9.986	1340	1343	1346	rVB	662626	510466	12.87%	0.997%
11	10.022	1346	1349	1351	rVB	109009	93822	2.37%	0.183%
12	10.186	1372	1377	1381	rVB2	83748	96725	2.44%	0.189%
13	10.533	1433	1436	1443	rVB	189860	187181	4.72%	0.366%
14	10.692	1460	1463	1466	rVB	80651	69881	1.76%	0.136%
15	10.775	1471	1477	1481	rBV	604823	519641	13.10%	1.015%
16	10.898	1493	1498	1502	rBV3	88728	134885	3.40%	0.263%
17	11.086	1523	1530	1532	rBV3	109747	130238	3.28%	0.254%
18	11.210	1547	1551	1553	rVV2	76899	89352	2.25%	0.174%
19	11.233	1553	1555	1560	rVV2	79309	99296	2.50%	0.194%
20	11.280	1560	1563	1567	rVV2	121154	119309	3.01%	0.233%
21	11.333	1567	1572	1575	rVV2	88400	130006	3.28%	0.254%
22	11.375	1575	1579	1584	rVB	136234	152688	3.85%	0.298%
23	11.480	1594	1597	1599	rBV	574983	523273	13.19%	1.022%
24	11.510	1599	1602	1605	rVV	2104719	1718100	43.31%	3.355%
25	11.557	1607	1610	1612	rVV	531998	412208	10.39%	0.805%
26	11.586	1612	1615	1618	rVB2	85885	102556	2.59%	0.200%
27	11.710	1630	1636	1638	rBV2	187772	195977	4.94%	0.383%
28	11.774	1643	1647	1651	rVV3	98333	149089	3.76%	0.291%
29	11.810	1651	1653	1658	rVV3	129583	132946	3.35%	0.260%
30	11.869	1659	1663	1665	rVV	843272	689540	17.38%	1.347%
31	11.986	1677	1683	1685	rBV	485777	510149	12.86%	0.996%
32	12.010	1685	1687	1691	rVV	574355	539756	13.61%	1.054%
33	12.063	1692	1696	1698	rVV	181935	171466	4.32%	0.335%
34	12.098	1698	1702	1704	rVV2	722159	770809	19.43%	1.505%
35	12.122	1704	1706	1709	rVB	338530	272843	6.88%	0.533%
36	12.174	1709	1715	1716	rBV4	80281	119694	3.02%	0.234%

LSC Area Percent Report

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Operator : CG\JU
Sample : N5359-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-01-102822

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-BF102722.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.280	1730	1733	1735	rBV	335295	271408	6.84%	0.530%
38	12.304	1735	1737	1741	rVB2	372197	318565	8.03%	0.622%
39	12.427	1756	1758	1761	rVV	134031	123701	3.12%	0.242%
40	12.463	1761	1764	1766	rVV	152880	141644	3.57%	0.277%
41	12.486	1766	1768	1770	rVB	126674	94560	2.38%	0.185%
42	12.539	1773	1777	1778	rBV	316887	361250	9.11%	0.705%
43	12.563	1778	1781	1783	rVV	3641770	3558768	89.72%	6.950%
44	12.586	1783	1785	1789	rVV2	2402263	2186669	55.13%	4.270%
45	12.627	1789	1792	1796	rVV2	279248	334687	8.44%	0.654%
46	12.663	1796	1798	1801	rVV	545652	418224	10.54%	0.817%
47	12.710	1801	1806	1809	rVV	3605568	3753412	94.63%	7.330%
48	12.745	1809	1812	1814	rVV	101184	100338	2.53%	0.196%
49	12.763	1814	1815	1818	rVV2	105600	75690	1.91%	0.148%
50	12.798	1818	1821	1823	rVB	124173	120730	3.04%	0.236%
51	12.833	1823	1827	1829	rBV3	148545	187235	4.72%	0.366%
52	12.857	1829	1831	1834	rVV	121045	109496	2.76%	0.214%
53	12.945	1838	1846	1849	rBV2	2946697	3966609	100.00%	7.746%
54	12.980	1849	1852	1857	rVB2	242008	266671	6.72%	0.521%
55	13.051	1860	1864	1865	rBV	260667	239673	6.04%	0.468%
56	13.074	1865	1868	1870	rVV	786516	780282	19.67%	1.524%
57	13.092	1870	1871	1875	rVB	251353	142913	3.60%	0.279%
58	13.151	1876	1881	1884	rBV2	358668	599800	15.12%	1.171%
59	13.233	1892	1895	1897	rBV4	286264	346461	8.73%	0.677%
60	13.263	1897	1900	1903	rVB	833861	755872	19.06%	1.476%
61	13.292	1903	1905	1907	rBV2	97060	100457	2.53%	0.196%
62	13.327	1908	1911	1914	rBV2	566470	469010	11.82%	0.916%
63	13.363	1914	1917	1920	rVV2	452673	514046	12.96%	1.004%
64	13.392	1920	1922	1924	rVB	167842	124058	3.13%	0.242%
65	13.421	1924	1927	1930	rBV3	86958	85161	2.15%	0.166%
66	13.457	1930	1933	1936	rBV	299861	250308	6.31%	0.489%
67	13.486	1936	1938	1941	rBV	273748	272767	6.88%	0.533%
68	13.639	1960	1964	1966	rBV3	127917	179748	4.53%	0.351%
69	13.663	1966	1968	1970	rVV2	152765	175167	4.42%	0.342%
70	13.745	1978	1982	1983	rBV	114750	134863	3.40%	0.263%
71	13.768	1983	1986	1990	rVB	382988	405723	10.23%	0.792%
72	13.880	2000	2005	2008	rBV2	402043	520379	13.12%	1.016%
73	13.910	2008	2010	2012	rVV	439076	363562	9.17%	0.710%
74	13.933	2012	2014	2018	rVV2	313898	417007	10.51%	0.814%
75	13.974	2018	2021	2026	rVB2	375661	418317	10.55%	0.817%
76	14.051	2032	2034	2040	rVB2	112075	177541	4.48%	0.347%

LSC Area Percent Report

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Operator : CG\JU
Sample : N5359-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-01-102822

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
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If leading or trailing edge < 100 prefer < Baseline drop else tangent >
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Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.127	2040	2047	2051	rBV3	2031718	3115228	78.54%	6.083%
78	14.168	2051	2054	2058	rVB	1767494	1754336	44.23%	3.426%
79	14.239	2060	2066	2069	rBV3	308313	409249	10.32%	0.799%
80	14.280	2070	2073	2077	rBV3	162984	238711	6.02%	0.466%
81	14.357	2082	2086	2089	rVV2	189110	294825	7.43%	0.576%
82	14.386	2089	2091	2094	rVB2	106223	92688	2.34%	0.181%
83	14.521	2109	2114	2117	rVV	405719	418476	10.55%	0.817%
84	14.551	2117	2119	2123	rVB2	253903	251343	6.34%	0.491%
85	14.592	2123	2126	2128	rBV3	111801	143609	3.62%	0.280%
86	14.615	2128	2130	2133	rVV	152267	132482	3.34%	0.259%
87	14.645	2133	2135	2137	rVV2	197777	181480	4.58%	0.354%
88	14.668	2137	2139	2143	rVB3	216302	195486	4.93%	0.382%
89	14.921	2179	2182	2185	rBV3	105550	110585	2.79%	0.216%
90	15.210	2225	2231	2234	rBV	1102313	1905061	48.03%	3.720%
91	15.315	2246	2249	2252	rBV	238709	246298	6.21%	0.481%
92	15.410	2262	2265	2267	rBV3	78285	102936	2.60%	0.201%
93	15.527	2281	2285	2291	rVB	638770	933991	23.55%	1.824%
94	15.598	2291	2297	2302	rBV	984068	1257275	31.70%	2.455%
95	15.657	2303	2307	2310	rBV	260136	391790	9.88%	0.765%
96	15.692	2310	2313	2319	rVB2	264437	393679	9.92%	0.769%
97	16.245	2405	2407	2411	rVB2	63496	71836	1.81%	0.140%
98	16.398	2430	2433	2439	rVB3	55842	79293	2.00%	0.155%
99	17.209	2565	2571	2579	rVB2	386544	798042	20.12%	1.558%
100	17.680	2645	2651	2661	rVB	253198	584973	14.75%	1.142%

Sum of corrected areas: 51208277

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103122\
Data File : BF130889.D
Acq On : 31 Oct 2022 20:26
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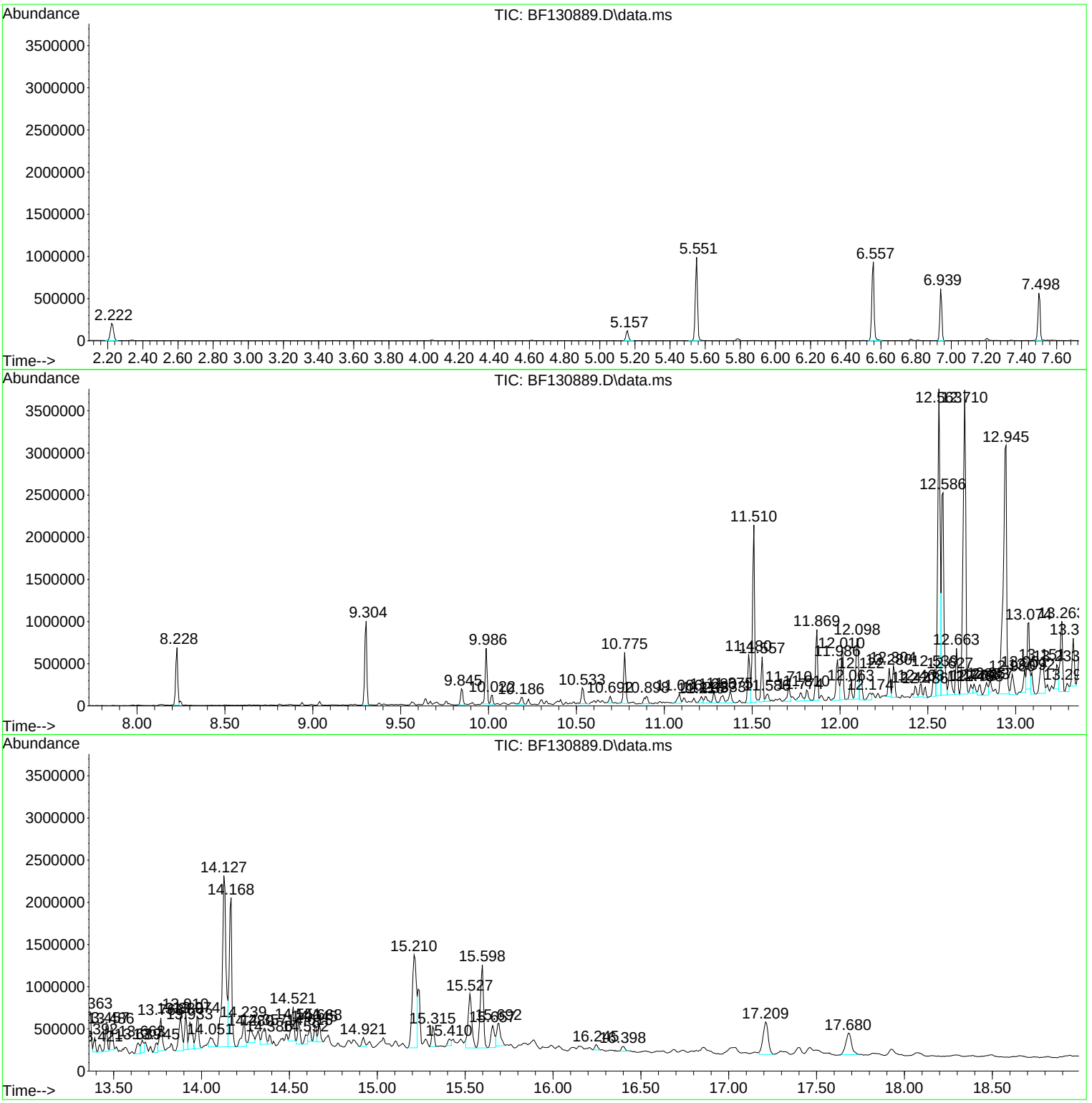
Sample : N5359-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-01-102822

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.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\BF103122\
Data File : BF130889.D
Acq On : 31 Oct 2022 20:26
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Sample : N5359-01 2X
Misc :
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Instrument :
BNA_F
ClientSampleId :
HD-01-102822

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

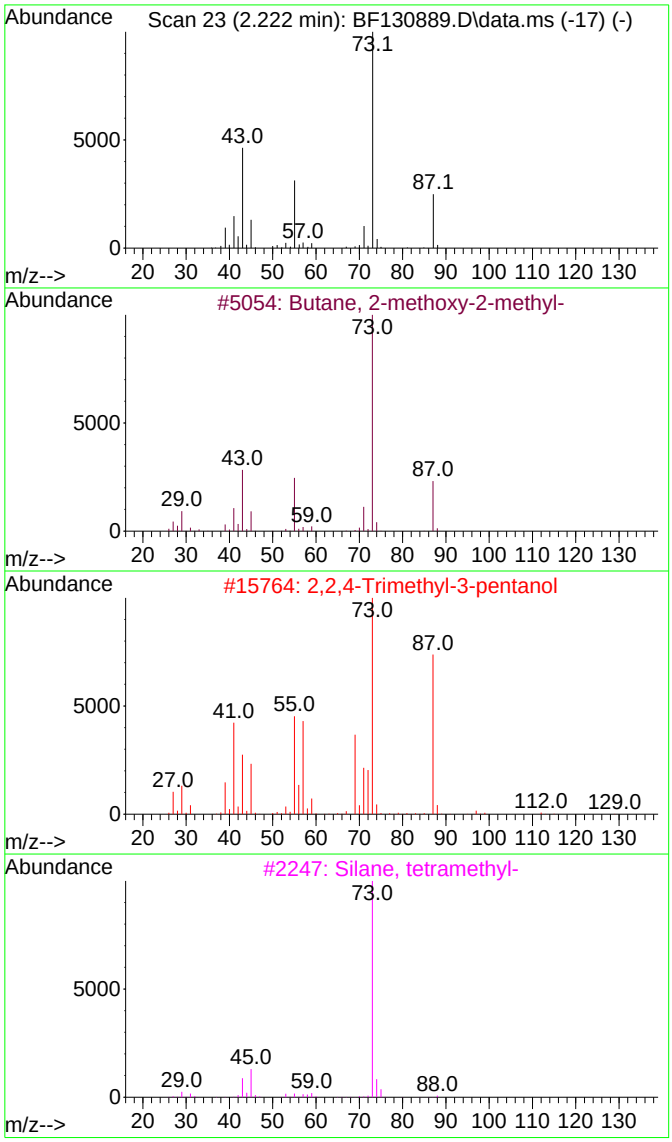
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

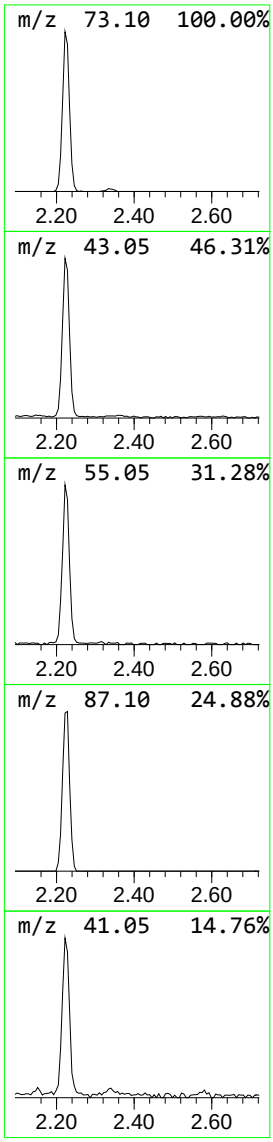
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.222	10.56 ng	257207	1,4-Dichlorobenzene-d4	6.939

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	Silane, tetramethyl-	88	C4H12Si	000075-76-3	38
4	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	37
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	23





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103122\
Data File : BF130889.D
Acq On : 31 Oct 2022 20:26
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Sample : N5359-01 2X
Misc :
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Instrument :
BNA_F
ClientSampleId :
HD-01-102822

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

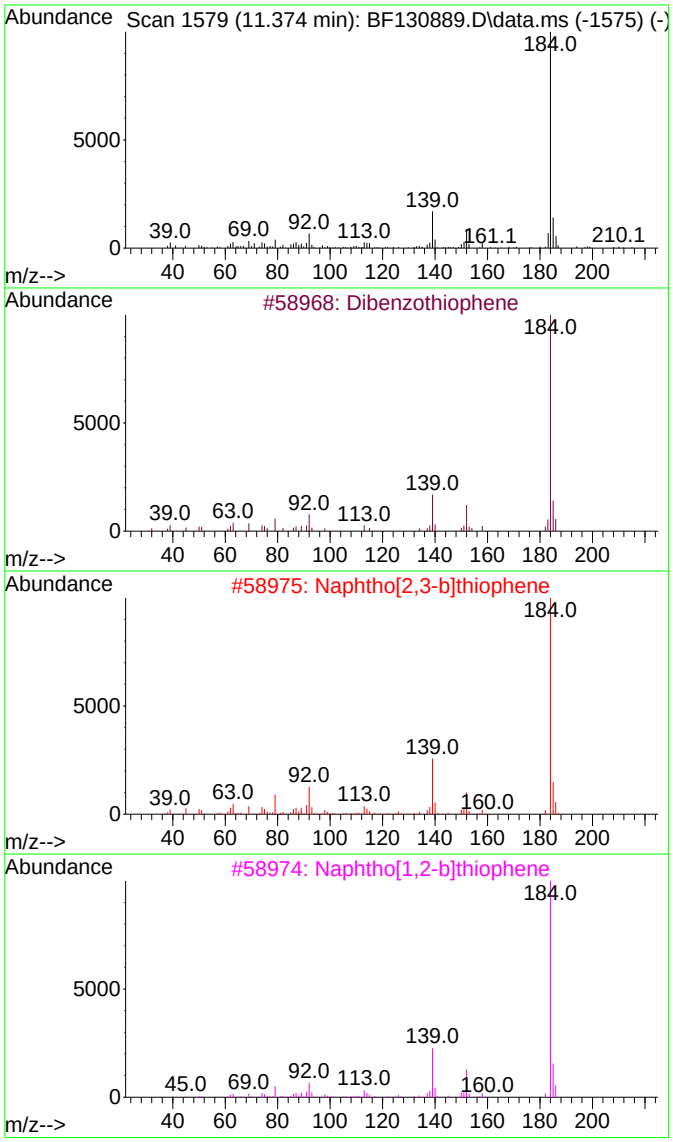
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

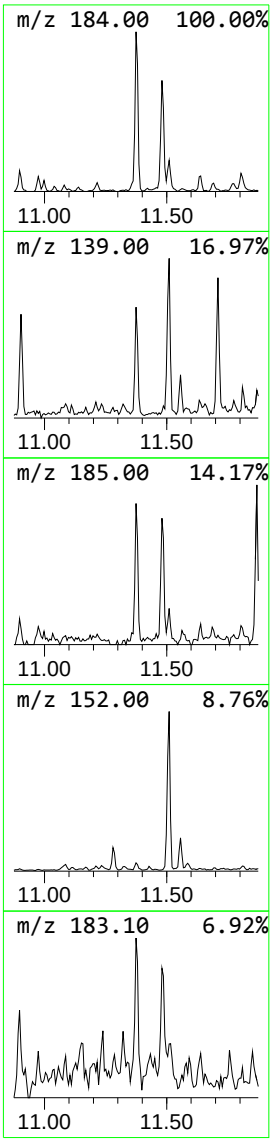
****

Peak Number 2 Dibenzothiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.374	5.84 ng	152688	Phenanthrene-d10	11.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
4	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





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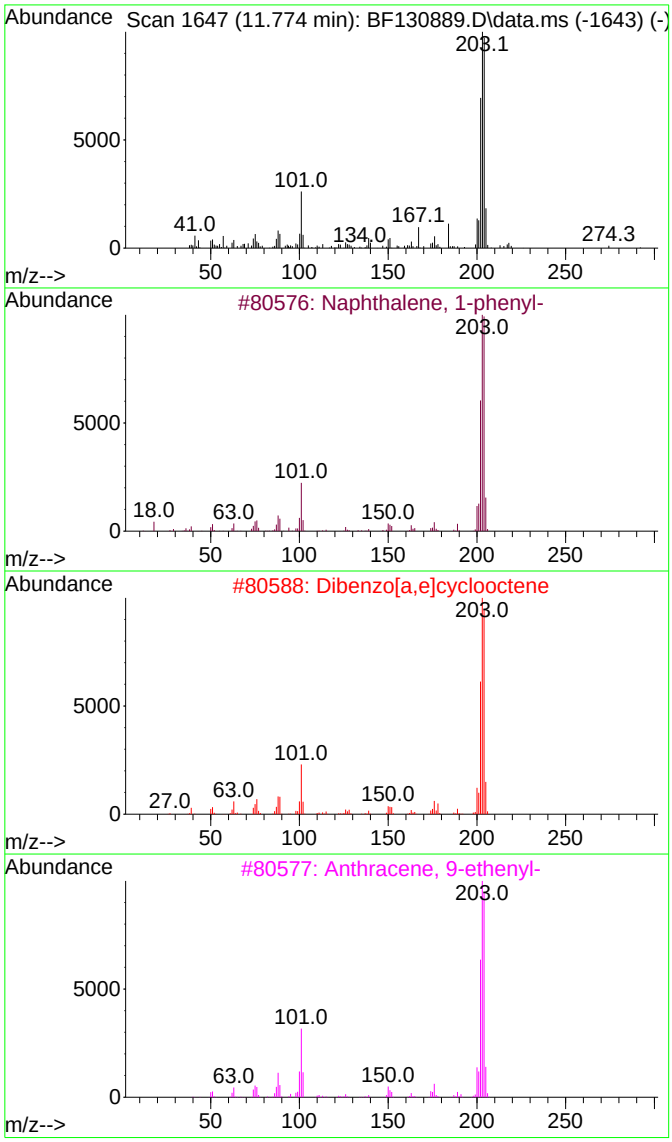
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

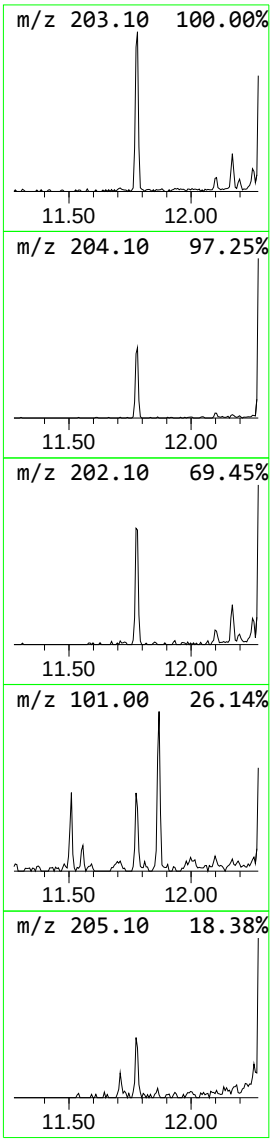
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Naphthalene, 1-phenyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.775	5.70 ng	149089	Phenanthrene-d10	11.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	92
2	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	86
3	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	86
4	Cyclobuta[1'',2'':3,4:3'',4'':3'...	204	C16H12	006574-36-3	70
5	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	70





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Sample : N5359-01 2X
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ALS Vial : 19 Sample Multiplier: 1

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ClientSampleId :
HD-01-102822

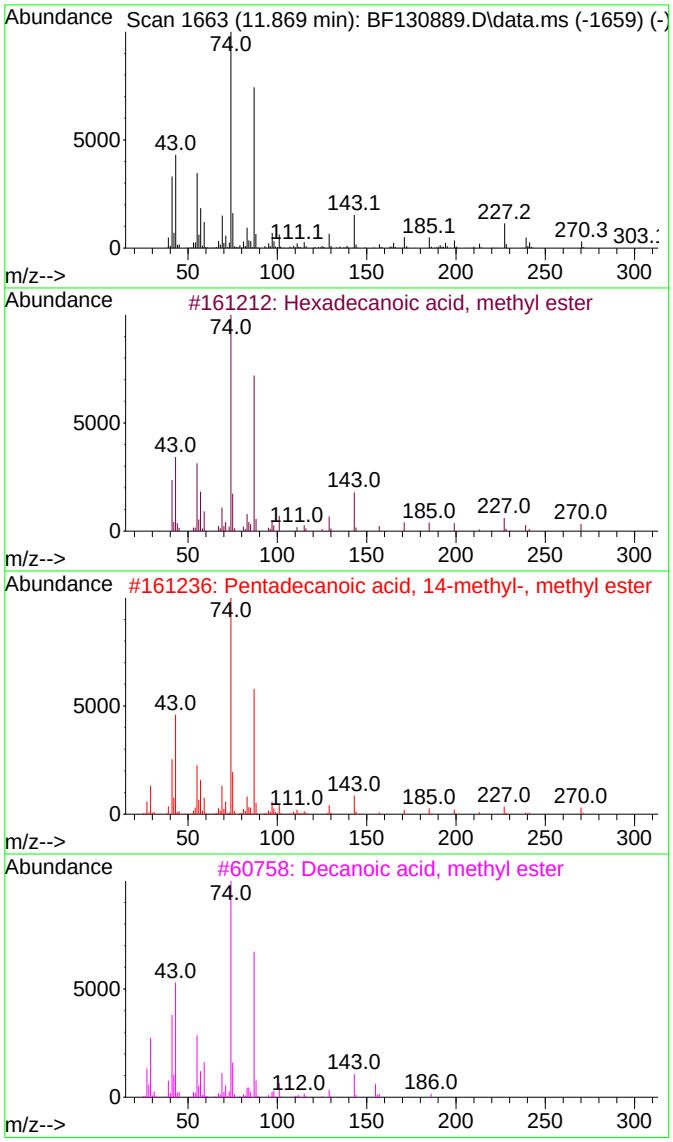
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

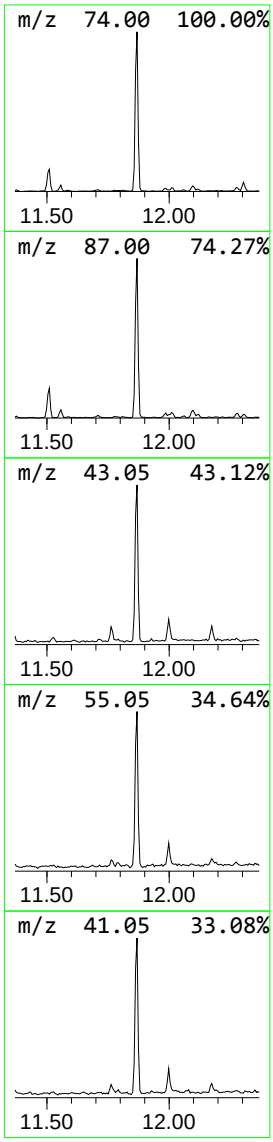
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Hexadecanoic acid, methyl e... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.869	26.35 ng	689540	Phenanthrene-d10	11.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	98
2	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	95
3	Decanoic acid, methyl ester	186	C11H22O2	000110-42-9	87
4	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	86
5	Methyl 8-methyl-nonanoate	186	C11H22O2	1000452-00-9	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103122\
Data File : BF130889.D
Acq On : 31 Oct 2022 20:26
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Sample : N5359-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-01-102822

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

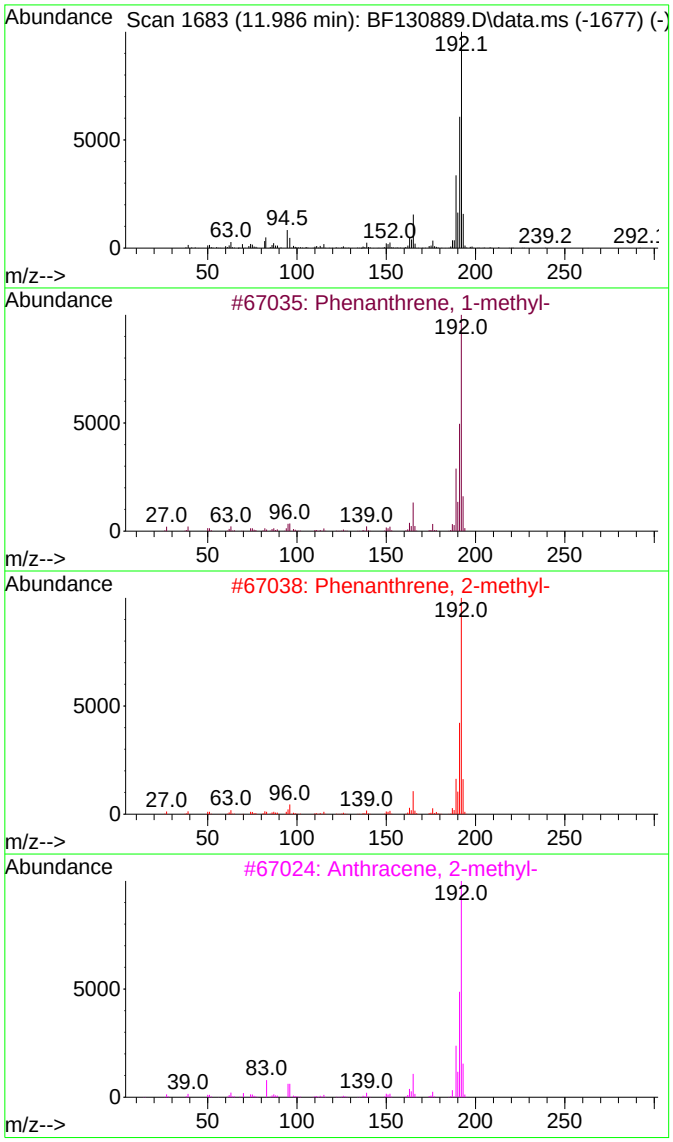
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

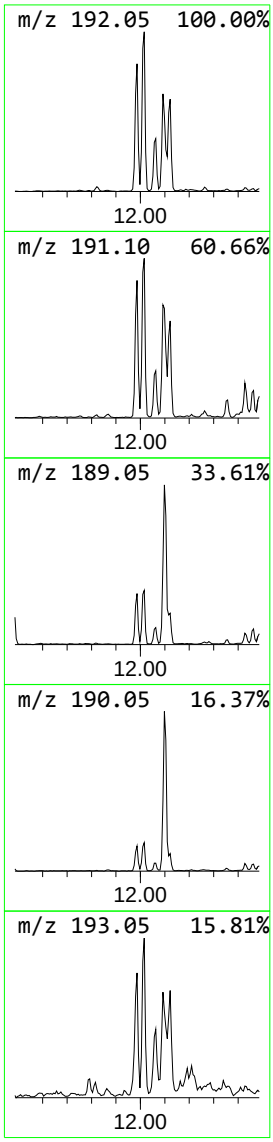
****

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.986	19.50 ng	510149	Phenanthrene-d10	11.480

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	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





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Acq On : 31 Oct 2022 20:26
Operator : CG\JU
Sample : N5359-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
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ClientSampleId :
HD-01-102822

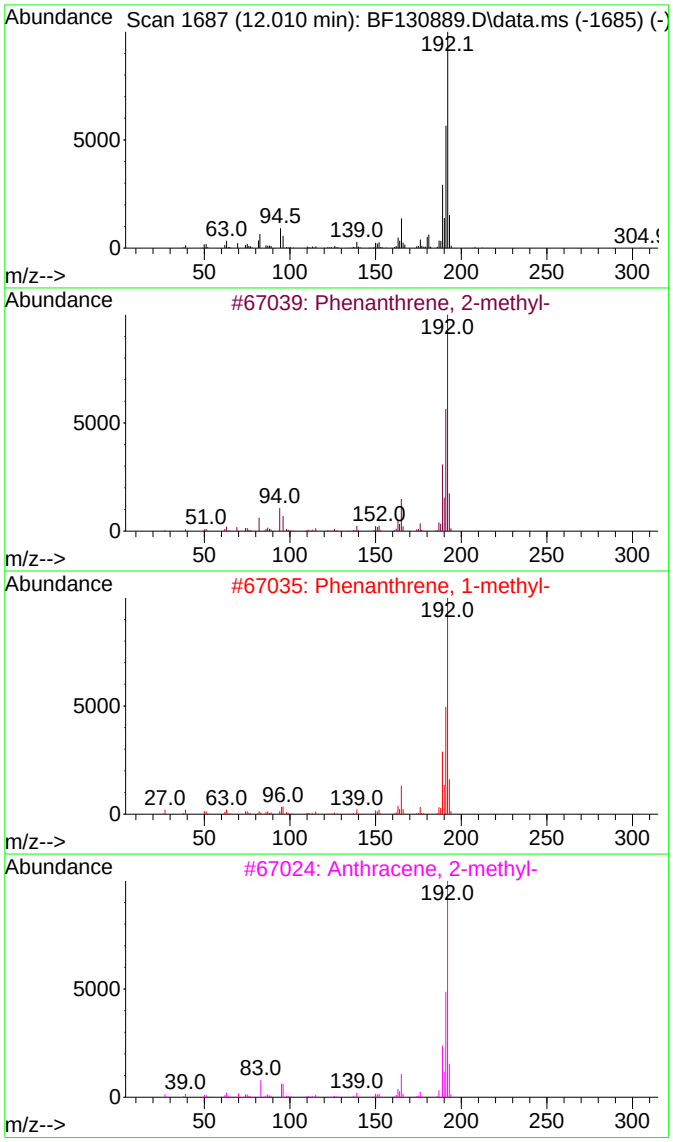
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

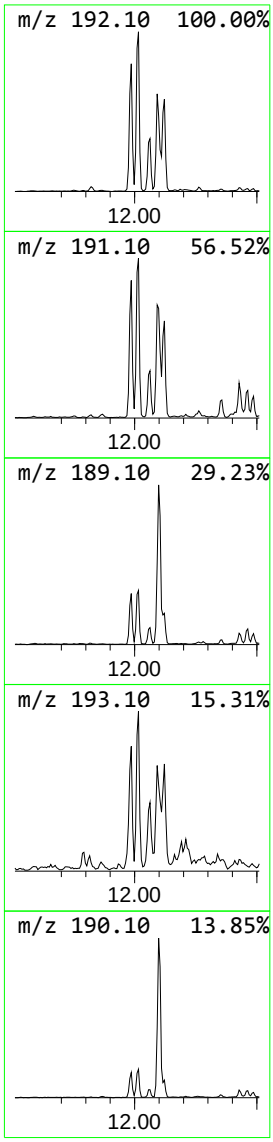
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.010	20.63 ng	539756	Phenanthrene-d10	11.480

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	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93





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Operator : CG\JU
Sample : N5359-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
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ClientSampleId :
HD-01-102822

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

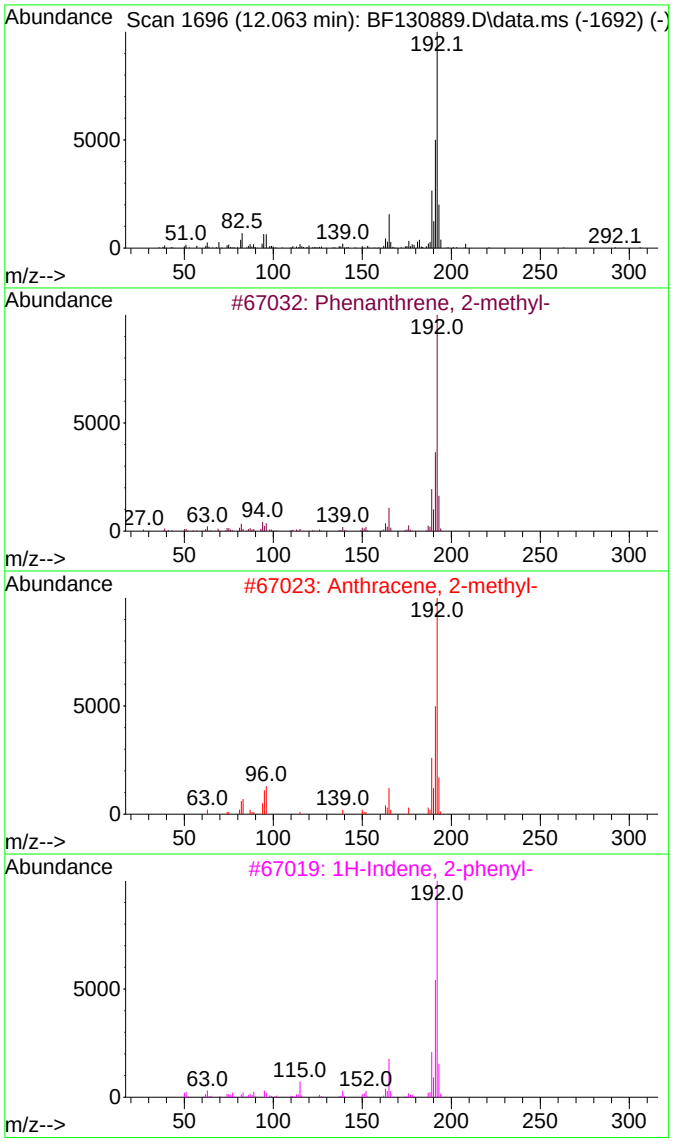
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

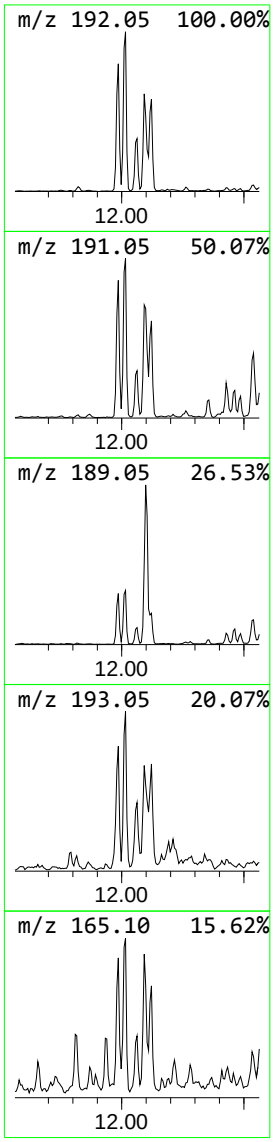
****

Peak Number 7 Anthracene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.063	6.55 ng	171466	Phenanthrene-d10	11.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	91





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Sample : N5359-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-01-102822

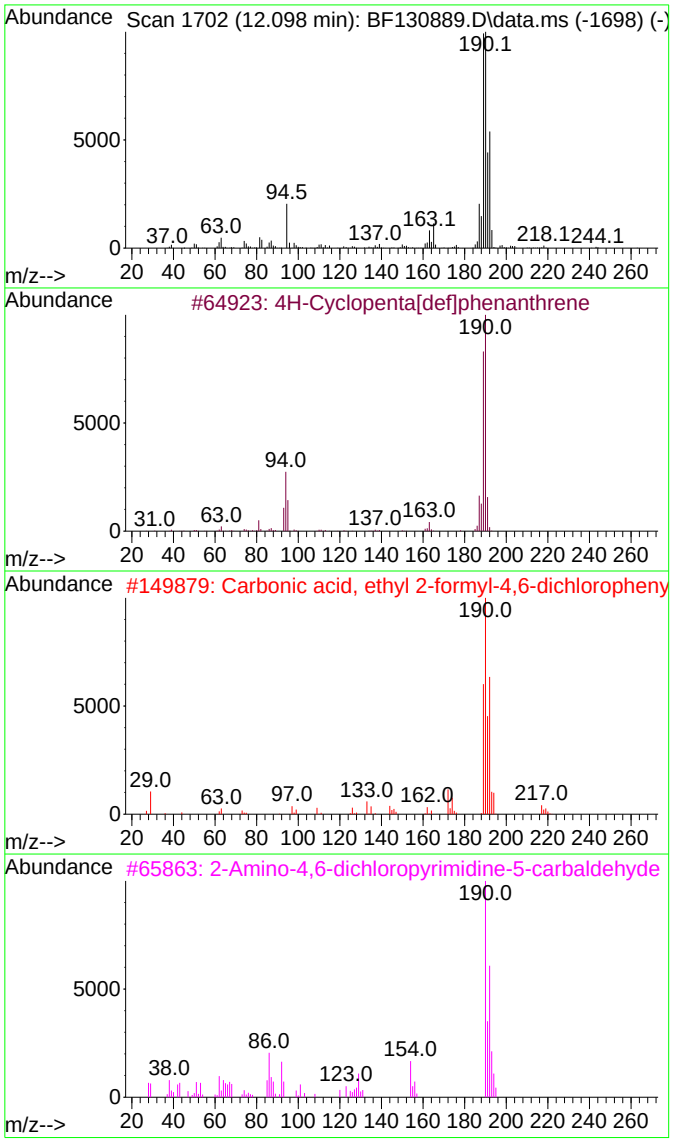
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

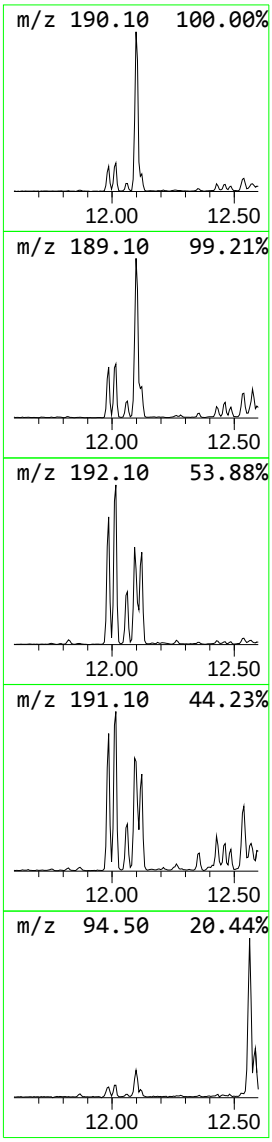
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.098	29.46 ng	770809	Phenanthrene-d10	11.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	40
3	2-Amino-4,6-dichloropyrimidine-5...	191	C5H3Cl2N3O	005604-46-6	38
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	25
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	18





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Acq On : 31 Oct 2022 20:26
Operator : CG\JU
Sample : N5359-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-01-102822

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

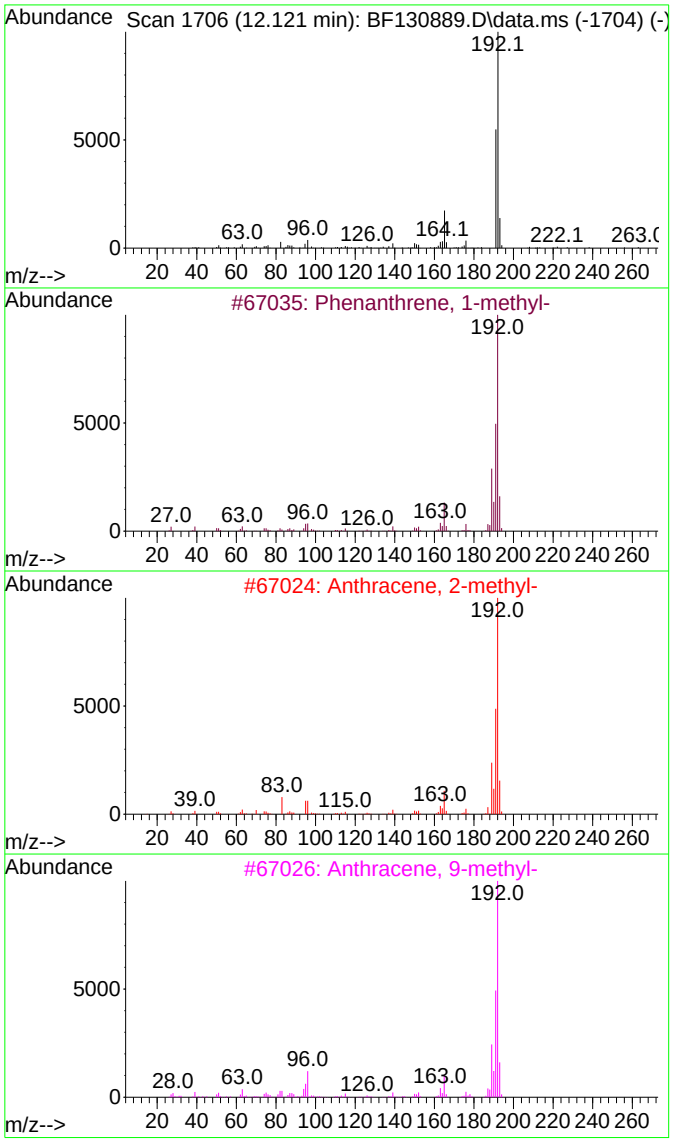
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

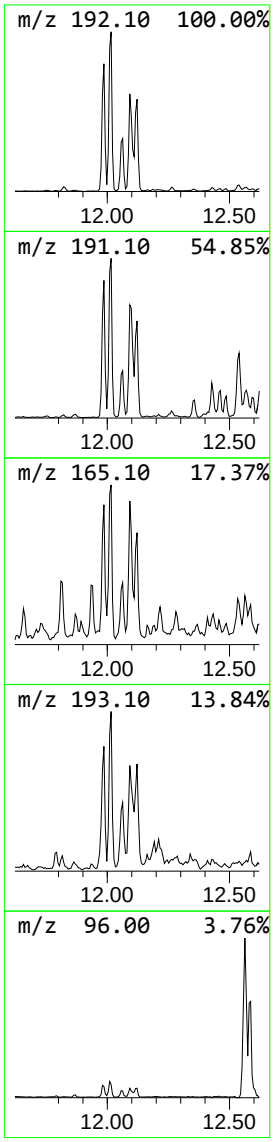
****

Peak Number 9 Anthracene, 9-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.121	10.43 ng	272843	Phenanthrene-d10	11.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	90





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Acq On : 31 Oct 2022 20:26
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Sample : N5359-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-01-102822

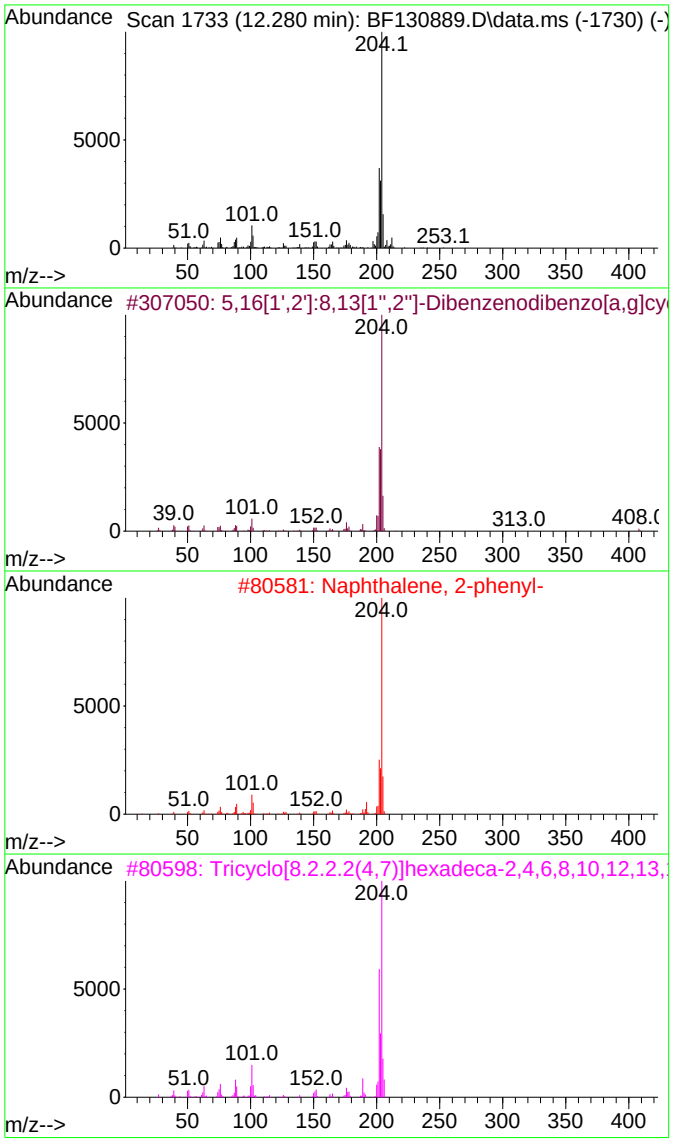
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

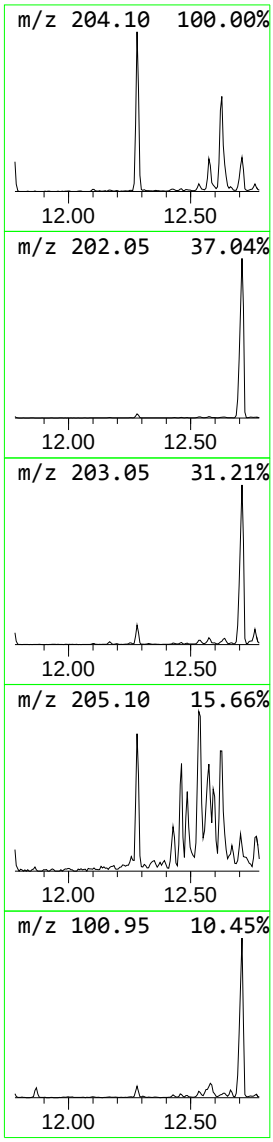
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.280	10.37 ng	271408	Phenanthrene-d10	11.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
4	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	60
5	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	58





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

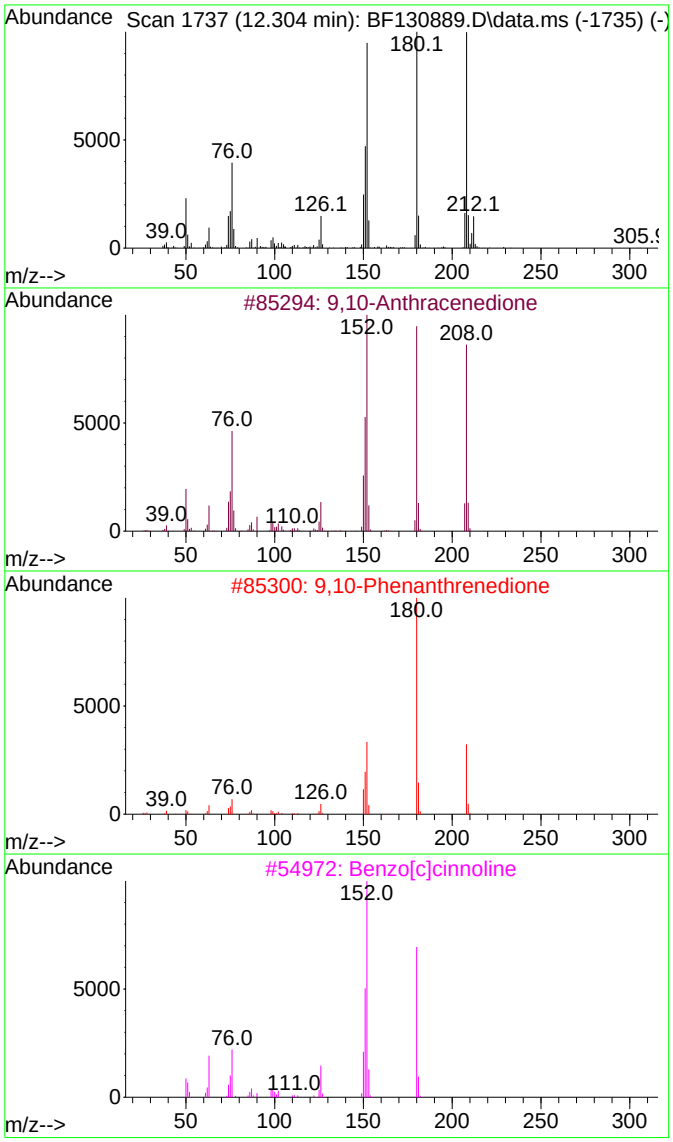
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

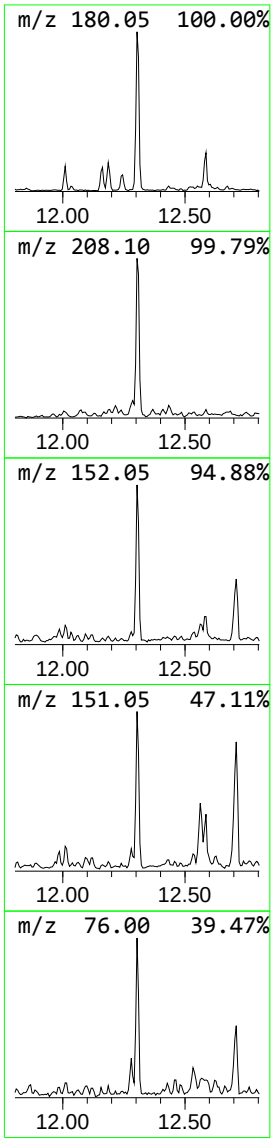
****

Peak Number 11 9,10-Anthracenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.304	12.18 ng	318565	Phenanthrene-d10	11.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	90
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	86
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	60
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60





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Operator : CG\JU
Sample : N5359-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
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ClientSampleId :
HD-01-102822

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

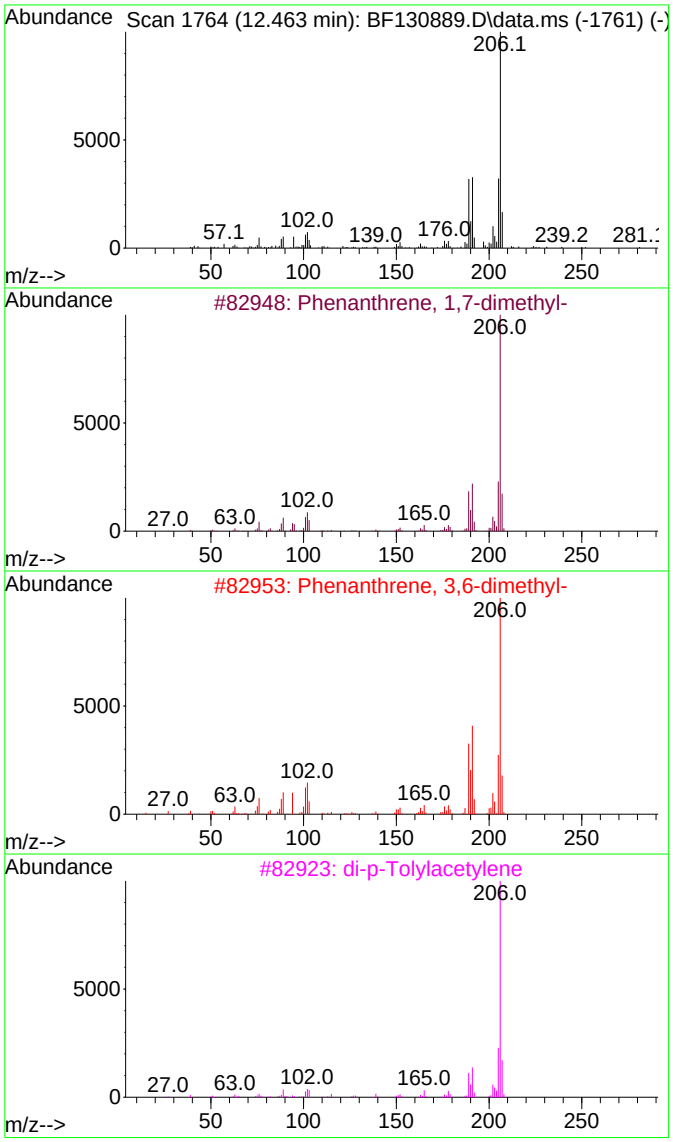
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

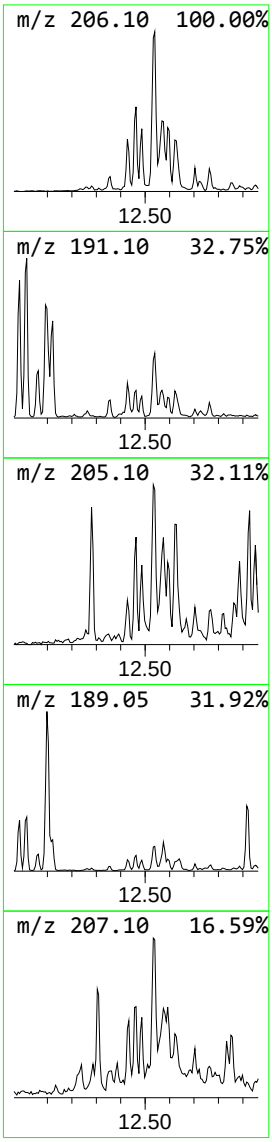
****

Peak Number 12 Phenanthrene, 1,7-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.463	5.41 ng	141644	Phenanthrene-d10	11.480

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	94
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	74





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Operator : CG\JU
Sample : N5359-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-01-102822

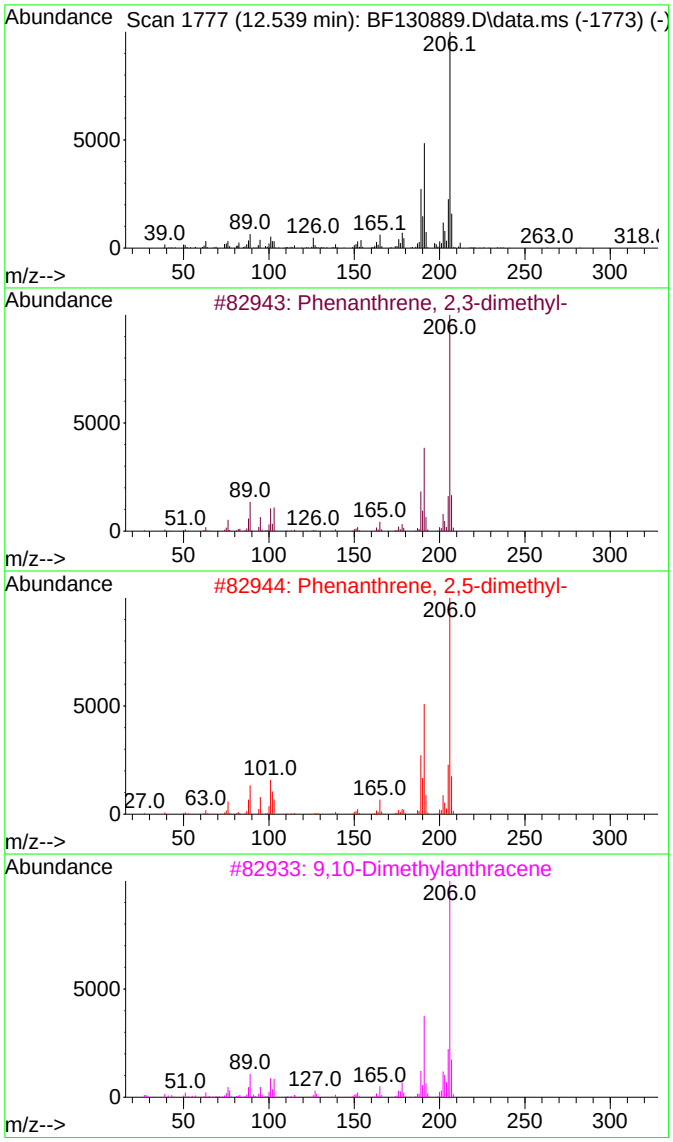
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

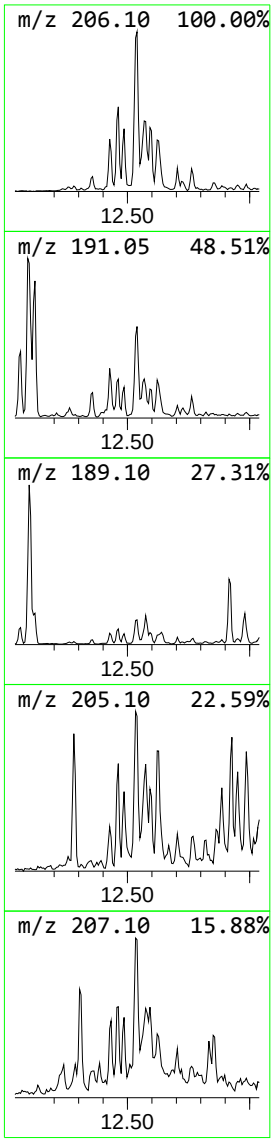
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Phenanthrene, 2,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.539	13.81 ng	361250	Phenanthrene-d10	11.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	81





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Sample : N5359-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
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ClientSampleId :
HD-01-102822

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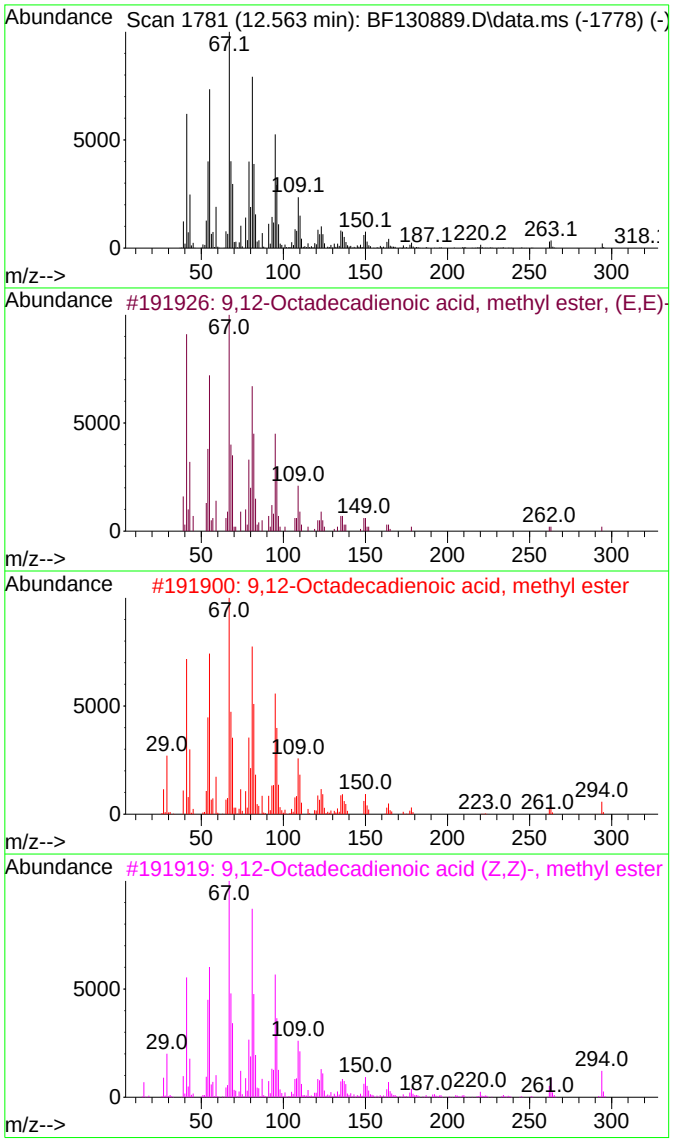
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

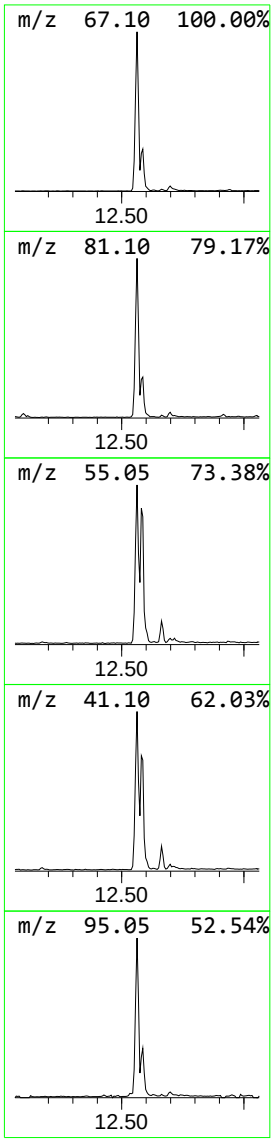
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 9,12-Octadecadienoic acid, ... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.563	136.02 ng	3558770	Phenanthrene-d10	11.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
2	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99
3	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99
4	Methyl 9-cis,11-trans-octadecadi...	294	C19H34O2	013058-52-1	99
5	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99





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Misc :
ALS Vial : 19 Sample Multiplier: 1

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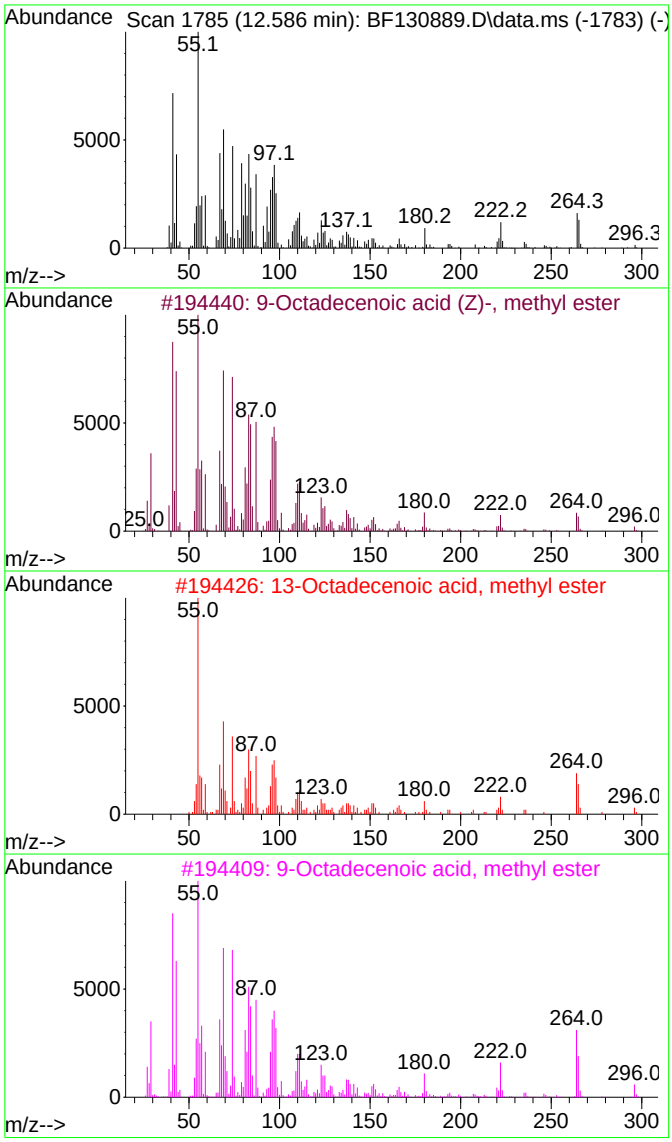
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

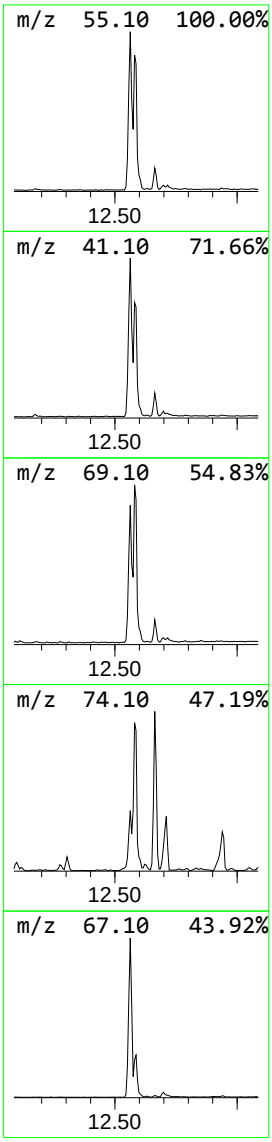
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 9-Octadecenoic acid (Z)-, m... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.586	83.58 ng	2186670	Phenanthrene-d10	11.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	99
2	13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	99
3	9-Octadecenoic acid, methyl ester	296	C19H36O2	002462-84-2	98
4	14-Octadecenoic acid, methyl ester	296	C19H36O2	056554-48-4	97
5	11-Octadecenoic acid, methyl ester	296	C19H36O2	052380-33-3	97





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Misc :
ALS Vial : 19 Sample Multiplier: 1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

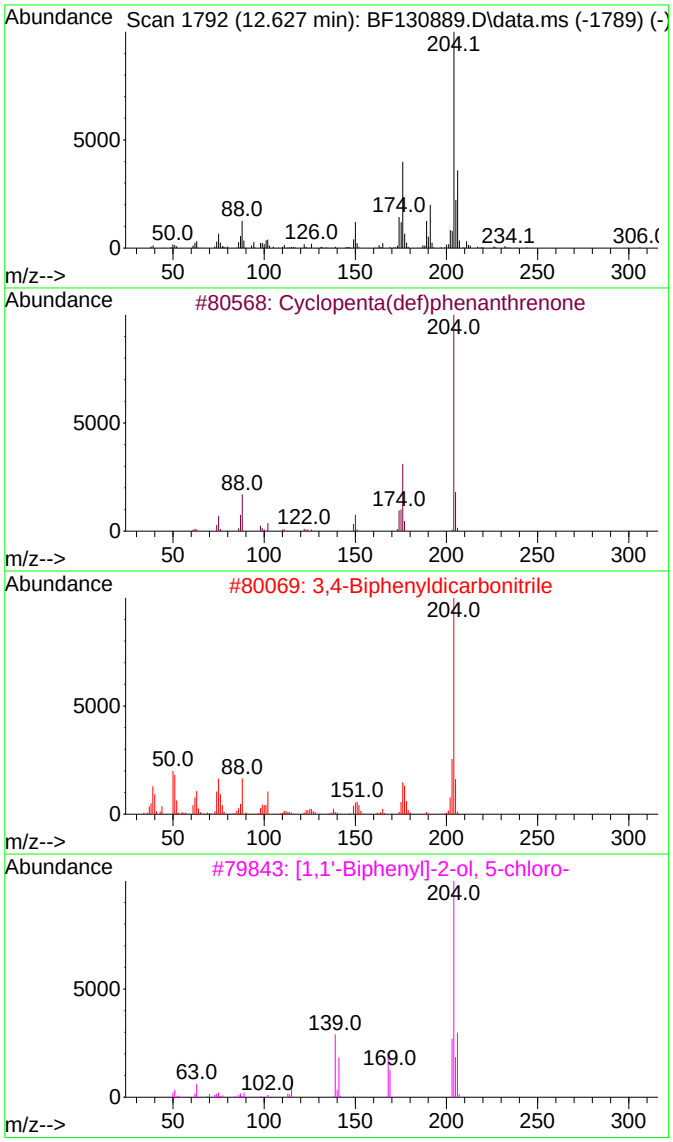
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

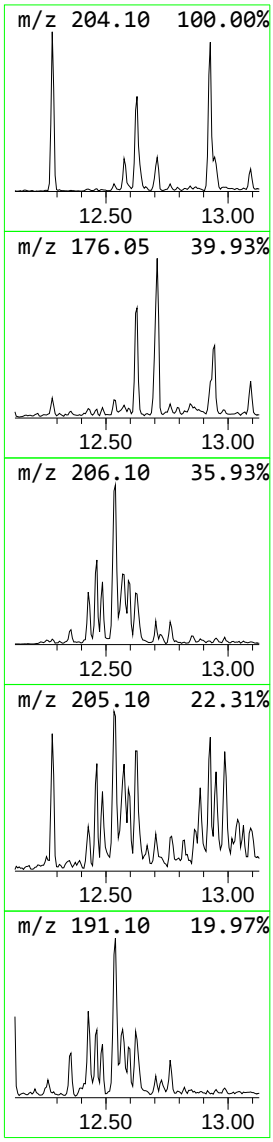
****

Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.627	12.79 ng	334687	Phenanthrene-d10	11.480

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	43
3	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	43
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	38
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103122\
Data File : BF130889.D
Acq On : 31 Oct 2022 20:26
Operator : CG\JU
Sample : N5359-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-01-102822

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.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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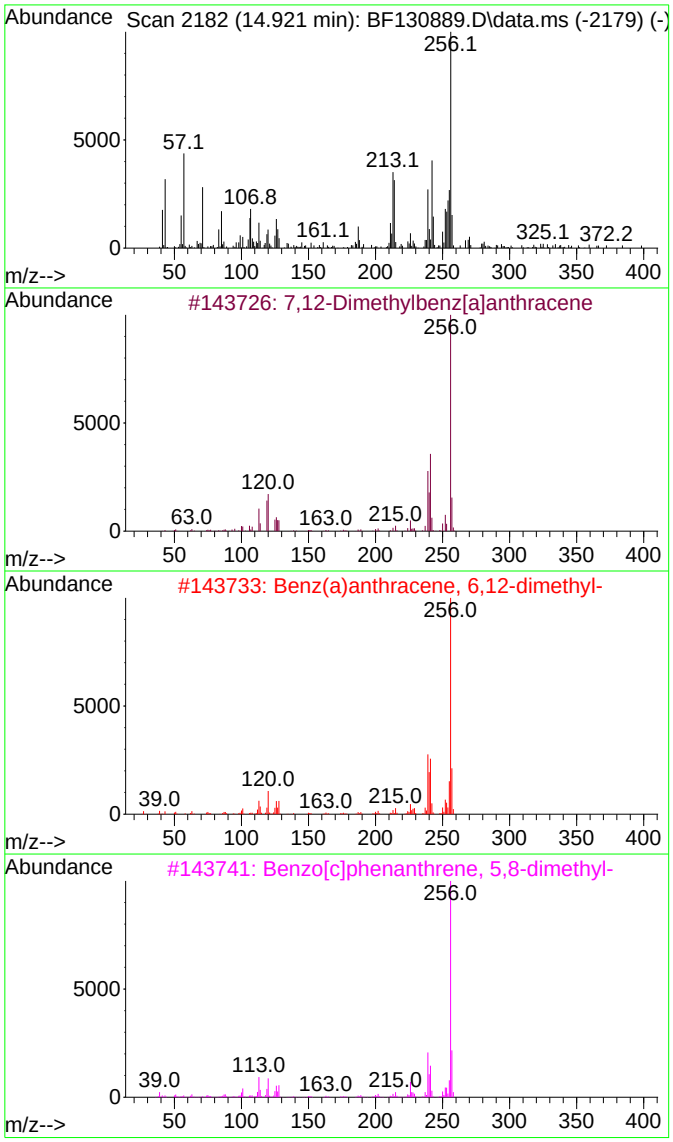
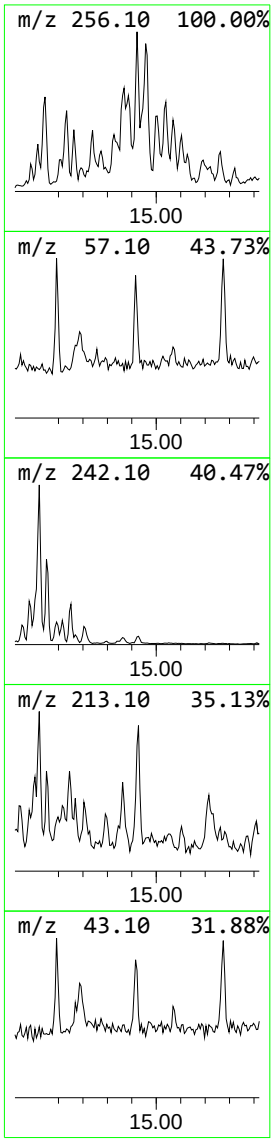
Peak Number 17 unknown14.921 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.921	5.65 ng	110585	Perylene-d12	15.657

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7,12-Dimethylbenz[a]anthracene	256	C20H16	000057-97-6	46
2	Benz(a)anthracene, 6,12-dimethyl-	256	C20H16	000568-81-0	43
3	Benzo[c]phenanthrene, 5,8-dimethyl-	256	C20H16	054986-63-9	38
4	Benz(a)anthracene, 7,8-dimethyl-	256	C20H16	000604-81-9	35
5	4,12-Dimethylbenz[a]anthracene	256	C20H16	035187-19-0	35





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103122\
Data File : BF130889.D
Acq On : 31 Oct 2022 20:26
Operator : CG\JU
Sample : N5359-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-01-102822

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.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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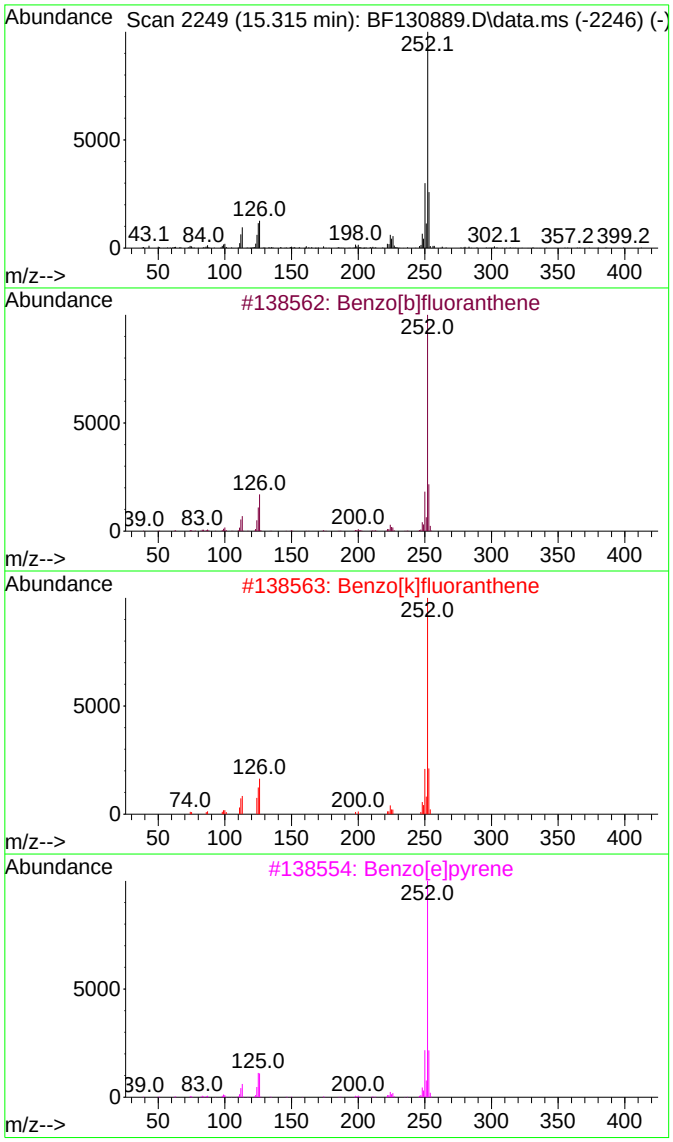
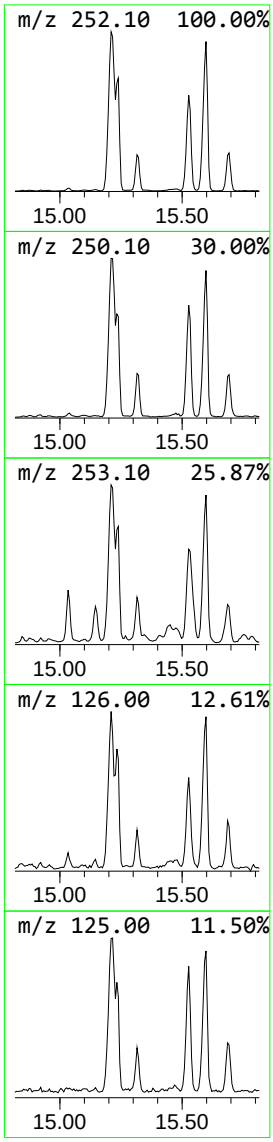
Peak Number 18 Benzo[e]pyrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.315	12.57 ng	246298	Perylene-d12	15.657

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





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103122\
Data File : BF130889.D
Acq On : 31 Oct 2022 20:26
Operator : CG\JU
Sample : N5359-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-01-102822

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.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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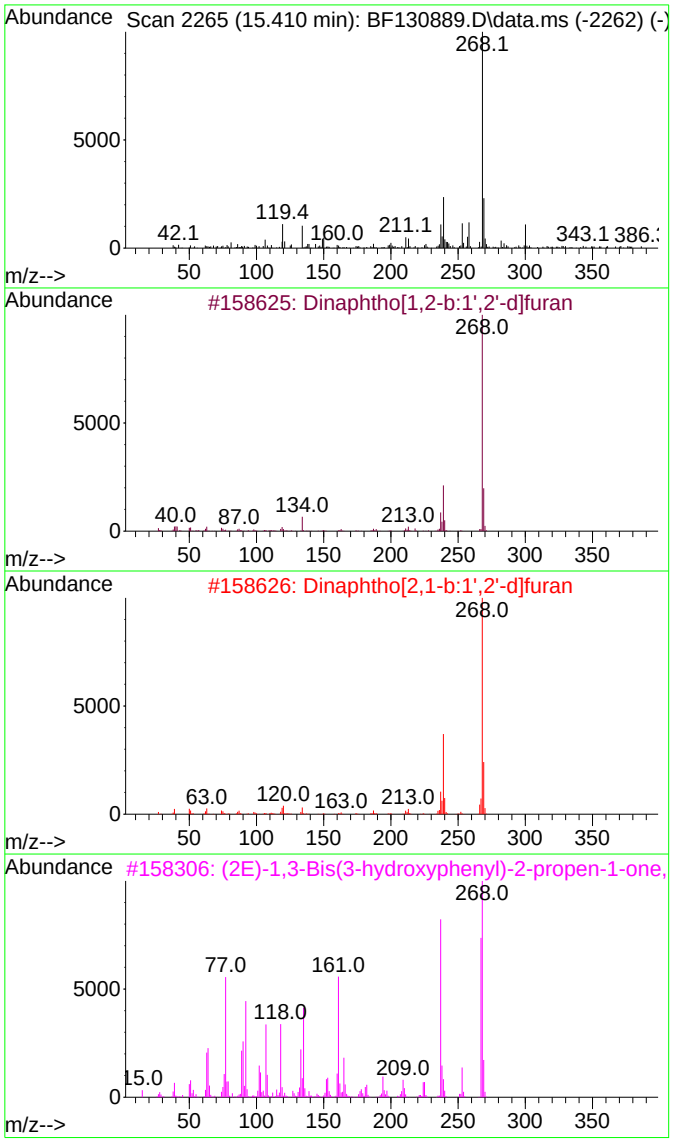
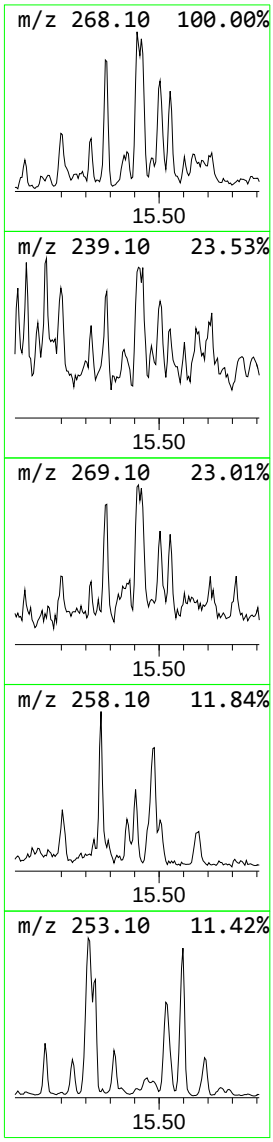
Peak Number 19 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.410	5.25 ng	102936	Perylene-d12	15.657

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	89
2	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	68
3	(2E)-1,3-Bis(3-hydroxyphenyl)-2-...	268	C17H16O3	1000504-86-0	64
4	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	58
5	Naphthalene, 1-(2-naphthalenylme...	268	C21H16	000611-48-3	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103122\
Data File : BF130889.D
Acq On : 31 Oct 2022 20:26
Operator : CG\JU
Sample : N5359-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-01-102822

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.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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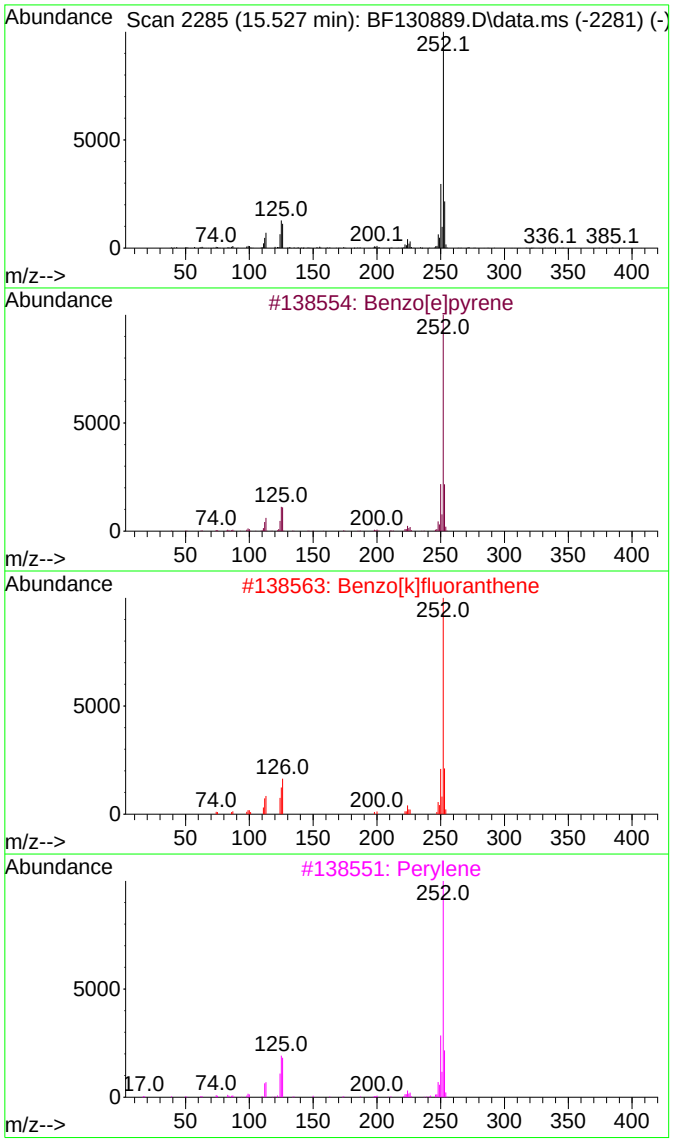
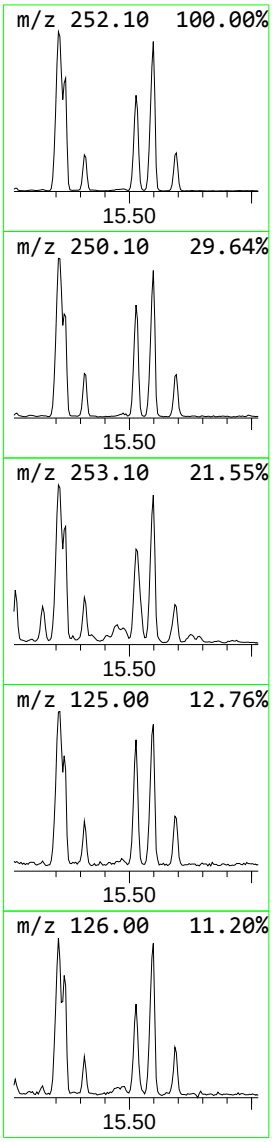
Peak Number 20 Perylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.527	47.68 ng	933991	Perylene-d12	15.657

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	Perylene	252	C20H12	000198-55-0	95
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	95
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103122\
Data File : BF130889.D
Acq On : 31 Oct 2022 20:26
Operator : CG\JU
Sample : N5359-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-01-102822

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.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...	2.222	10.6	ng	257207	1	6.939	487083	20.0
Dibenzothiophene	11.374	5.8	ng	152688	4	11.480	523273	20.0
Naphthalene, 1-...	11.775	5.7	ng	149089	4	11.480	523273	20.0
Hexadecanoic ac...	11.869	26.4	ng	689540	4	11.480	523273	20.0
Phenanthrene, 1...	11.986	19.5	ng	510149	4	11.480	523273	20.0
Phenanthrene, 2...	12.010	20.6	ng	539756	4	11.480	523273	20.0
Anthracene, 2-m...	12.063	6.5	ng	171466	4	11.480	523273	20.0
4H-Cyclopenta[d...	12.098	29.5	ng	770809	4	11.480	523273	20.0
Anthracene, 9-m...	12.121	10.4	ng	272843	4	11.480	523273	20.0
5,16[1',2']:8,1...	12.280	10.4	ng	271408	4	11.480	523273	20.0
9,10-Anthracene...	12.304	12.2	ng	318565	4	11.480	523273	20.0
Phenanthrene, 1...	12.463	5.4	ng	141644	4	11.480	523273	20.0
Phenanthrene, 2...	12.539	13.8	ng	361250	4	11.480	523273	20.0
9,12-Octadecadi...	12.563	136.0	ng	3558770	4	11.480	523273	20.0
9-Octadecenoic ...	12.586	83.6	ng	2186670	4	11.480	523273	20.0
Cyclopenta(def)...	12.627	12.8	ng	334687	4	11.480	523273	20.0
unknown14.921	14.921	5.7	ng	110585	6	15.657	391790	20.0
Benzo[e]pyrene	15.315	12.6	ng	246298	6	15.657	391790	20.0
Dinaphtho[1,2-b...	15.410	5.3	ng	102936	6	15.657	391790	20.0
Perylene	15.527	47.7	ng	933991	6	15.657	391790	20.0