LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092324\
Data File : BM047608.D
Acq On : 23 Sep 2024 17:42
Operator : RC/JU
Sample : P4142-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OR-02-09202024

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_M\Methods\8270-BM092024.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM047608.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.951	312	317	324	rVB	57731	78872	1.15%	0.091%
2	5.416	389	396	405	rVB	893105	1342549	19.64%	1.551%
3	5.834	462	467	479	rBV3	37701	91608	1.34%	0.106%
4	6.998	657	665	672	rBV	873110	1400247	20.48%	1.618%
5	7.504	743	751	759	rBV3	33671	86997	1.27%	0.101%
6	7.839	800	808	814	rBV	1519183	2403134	35.16%	2.777%
7	8.381	892	900	907	rBV	57581	124350	1.82%	0.144%
8	8.986	996	1003	1011	rVB	504355	821377	12.02%	0.949%
9	10.069	1177	1187	1192	rBV5	36194	93519	1.37%	0.108%
10	10.633	1273	1283	1289	rBV	1932593	3293136	48.18%	3.805%
11	10.680	1289	1291	1297	rVB	71948	103546	1.51%	0.120%
12	12.145	1530	1540	1546	rBV6	36985	122935	1.80%	0.142%
13	12.292	1559	1565	1573	rVB	111175	176309	2.58%	0.204%
14	12.510	1594	1602	1610	rVB	133211	223490	3.27%	0.258%
15	13.092	1694	1701	1708	rBV	1174963	1722602	25.20%	1.991%
16	13.504	1766	1771	1782	rVB4	37278	104180	1.52%	0.120%
17	13.639	1788	1794	1801	rVB5	67438	158150	2.31%	0.183%
18	13.792	1813	1820	1825	rBV	151237	271331	3.97%	0.314%
19	13.845	1825	1829	1835	rVB	84117	120171	1.76%	0.139%
20	13.921	1835	1842	1848	rBV	119617	196031	2.87%	0.227%
21	14.027	1853	1860	1863	rBV	83271	127718	1.87%	0.148%
22	14.192	1881	1888	1897	rBV	560390	952275	13.93%	1.100%
23	14.468	1926	1935	1941	rBV	2633949	3754759	54.93%	4.339%
24	14.533	1941	1946	1952	rVV	309746	487248	7.13%	0.563%
25	14.686	1962	1972	1978	rBV9	47960	123064	1.80%	0.142%
26	14.868	1997	2003	2010	rVB	222010	385109	5.63%	0.445%
27	14.939	2010	2015	2021	rVB2	80262	118804	1.74%	0.137%
28	15.080	2032	2039	2045	rBV4	84543	228048	3.34%	0.264%
29	15.333	2078	2082	2089	rBV2	115027	176795	2.59%	0.204%
30	15.457	2100	2103	2107	rVB2	60375	77094	1.13%	0.089%
31	15.510	2107	2112	2124	rVB	474990	772318	11.30%	0.892%
32	15.721	2144	2148	2153	rBV5	51278	88169	1.29%	0.102%
33	15.815	2158	2164	2174	rVB4	212567	448957	6.57%	0.519%
34	15.945	2178	2186	2195	rBV3	765753	1268290	18.55%	1.466%
35	16.186	2221	2227	2238	rVB4	116736	223053	3.26%	0.258%
36	16.509	2275	2282	2287	rBV3	111383	255721	3.74%	0.296%

LSC Area Percent Report

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Sample : P4142-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OR-02-09202024

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_M\Methods\8270-BM092024.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	16.562	2287	2291	2297	rVB	99638	155958	2.28%	0.180%
38	16.662	2304	2308	2313	rVB2	75638	108563	1.59%	0.125%
39	16.786	2325	2329	2332	rVB2	70139	94315	1.38%	0.109%
40	16.856	2336	2341	2350	rVB	207964	350639	5.13%	0.405%
41	16.939	2351	2355	2360	rVV5	43199	83416	1.22%	0.096%
42	17.021	2364	2369	2379	rVB	363634	561099	8.21%	0.648%
43	17.204	2394	2400	2403	rBV	2783303	3874378	56.68%	4.477%
44	17.245	2403	2407	2413	rVV	4383469	5968704	87.32%	6.897%
45	17.333	2414	2422	2427	rVV	1212785	1773537	25.95%	2.049%
46	17.392	2427	2432	2438	rVB4	125048	258800	3.79%	0.299%
47	17.515	2450	2453	2457	rVB3	60519	71169	1.04%	0.082%
48	17.598	2459	2467	2473	rBV	423402	727026	10.64%	0.840%
49	17.721	2485	2488	2492	rVB	77533	102508	1.50%	0.118%
50	17.780	2494	2498	2504	rVB	318320	441111	6.45%	0.510%
51	17.927	2518	2523	2529	rVB	196882	358669	5.25%	0.414%
52	17.998	2531	2535	2539	rVV2	83221	131354	1.92%	0.152%
53	18.080	2543	2549	2553	rVV	698412	1306526	19.11%	1.510%
54	18.127	2553	2557	2564	rVB	895524	1277877	18.69%	1.477%
55	18.203	2565	2570	2575	rVV	310295	466835	6.83%	0.539%
56	18.268	2575	2581	2585	rVV2	985377	1919915	28.09%	2.219%
57	18.309	2585	2588	2594	rVB	545895	746398	10.92%	0.863%
58	18.474	2612	2616	2620	rBV2	109687	148211	2.17%	0.171%
59	18.574	2629	2633	2636	rBV2	358766	444991	6.51%	0.514%
60	18.609	2636	2639	2651	rVB4	333137	645985	9.45%	0.746%
61	18.727	2652	2659	2661	rBV7	77021	172673	2.53%	0.200%
62	18.792	2667	2670	2673	rBV	127031	200981	2.94%	0.232%
63	18.821	2673	2675	2679	rVV	165468	234193	3.43%	0.271%
64	18.874	2680	2684	2687	rVV	258858	388956	5.69%	0.449%
65	18.909	2687	2690	2694	rVB3	205438	285360	4.17%	0.330%
66	18.992	2699	2704	2709	rBV	607316	940860	13.76%	1.087%
67	19.050	2709	2714	2718	rBV3	246577	451718	6.61%	0.522%
68	19.127	2723	2727	2735	rBV4	321718	655876	9.60%	0.758%
69	19.256	2743	2749	2754	rBV	4206324	5488711	80.30%	6.343%
70	19.321	2756	2760	2763	rVV3	135888	212289	3.11%	0.245%
71	19.350	2763	2765	2770	rVV5	117441	194293	2.84%	0.225%
72	19.403	2771	2774	2778	rVB	203776	270576	3.96%	0.313%
73	19.497	2786	2790	2793	rBV	318947	418546	6.12%	0.484%
74	19.615	2800	2810	2818	rBV	4154223	6330517	92.61%	7.315%
75	19.692	2819	2823	2828	rVB4	240913	427409	6.25%	0.494%
76	19.815	2840	2844	2848	rVB	1553105	1809971	26.48%	2.092%

LSC Area Percent Report

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Operator : RC/JU
Sample : P4142-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OR-02-09202024

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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Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	19.850	2848	2850	2856	rVB3	222521	307329	4.50%	0.355%
78	19.945	2860	2866	2871	rBV5	372004	876014	12.82%	1.012%
79	20.027	2877	2880	2883	rBV2	132215	179431	2.62%	0.207%
80	20.080	2884	2889	2890	rVV3	320731	522350	7.64%	0.604%
81	20.103	2890	2893	2898	rVB	641027	952918	13.94%	1.101%
82	20.209	2907	2911	2915	rVB	375162	490970	7.18%	0.567%
83	20.268	2917	2921	2925	rVV	473360	624250	9.13%	0.721%
84	20.403	2940	2944	2948	rBV	464603	575643	8.42%	0.665%
85	20.450	2948	2952	2956	rVB	451964	563396	8.24%	0.651%
86	20.856	3017	3021	3028	rVB	312053	564688	8.26%	0.653%
87	21.074	3055	3058	3061	rVB	242432	282415	4.13%	0.326%
88	21.115	3061	3065	3069	rBV3	278268	449789	6.58%	0.520%
89	21.427	3110	3118	3122	rBV3	3292765	6835557	100.00%	7.899%
90	21.474	3122	3126	3136	rVB	1395517	2221964	32.51%	2.568%
91	23.497	3464	3470	3477	rBV2	618709	1819755	26.62%	2.103%
92	24.168	3580	3584	3596	rVB	498401	1200903	17.57%	1.388%
93	24.303	3602	3607	3617	rVB	622541	1482458	21.69%	1.713%
94	24.450	3625	3632	3640	rBV	1531479	3664835	53.61%	4.235%

Sum of corrected areas: 86537534

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092324\
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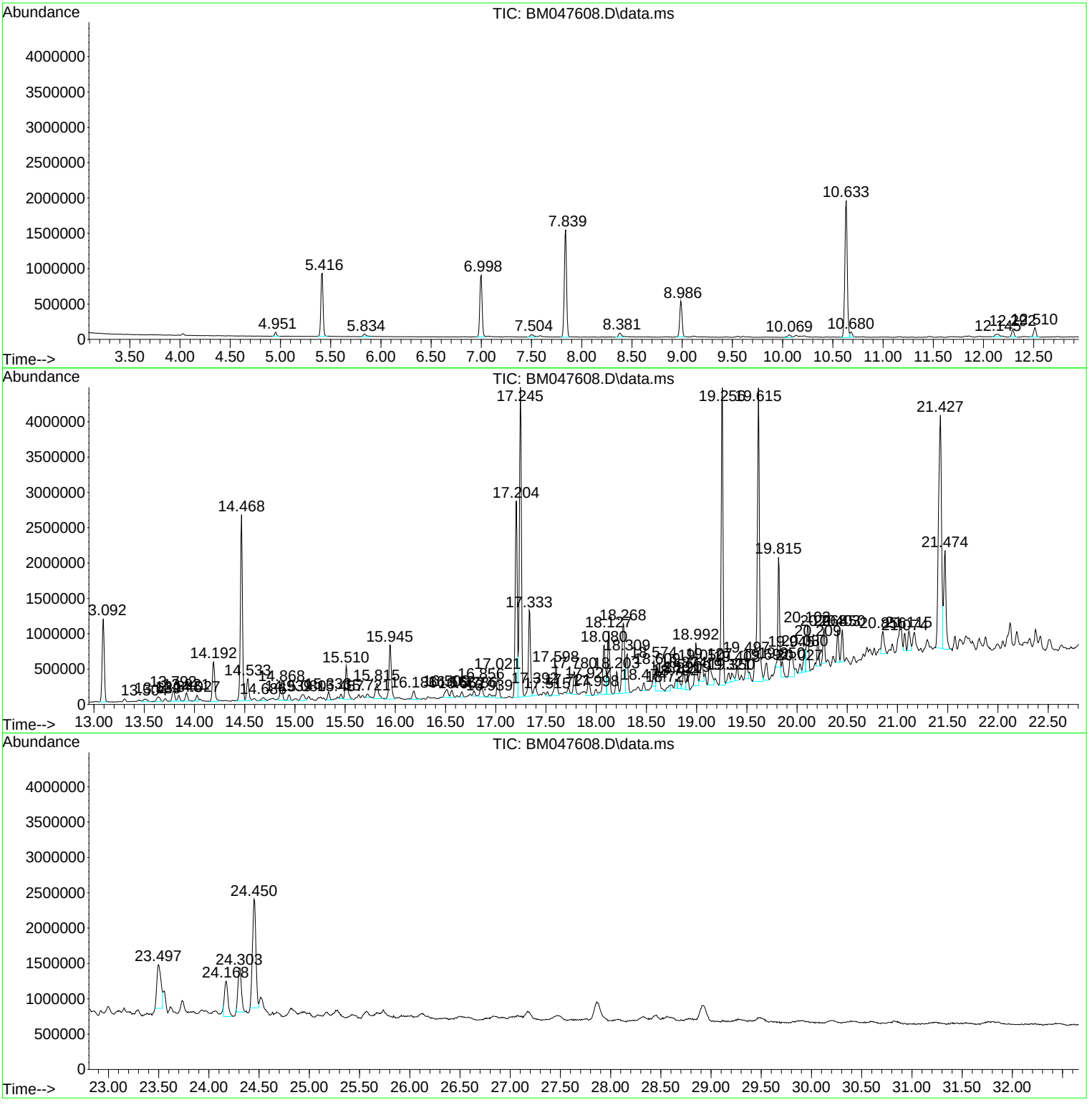
Sample : P4142-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OR-02-09202024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.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_M\Data\BM092324\
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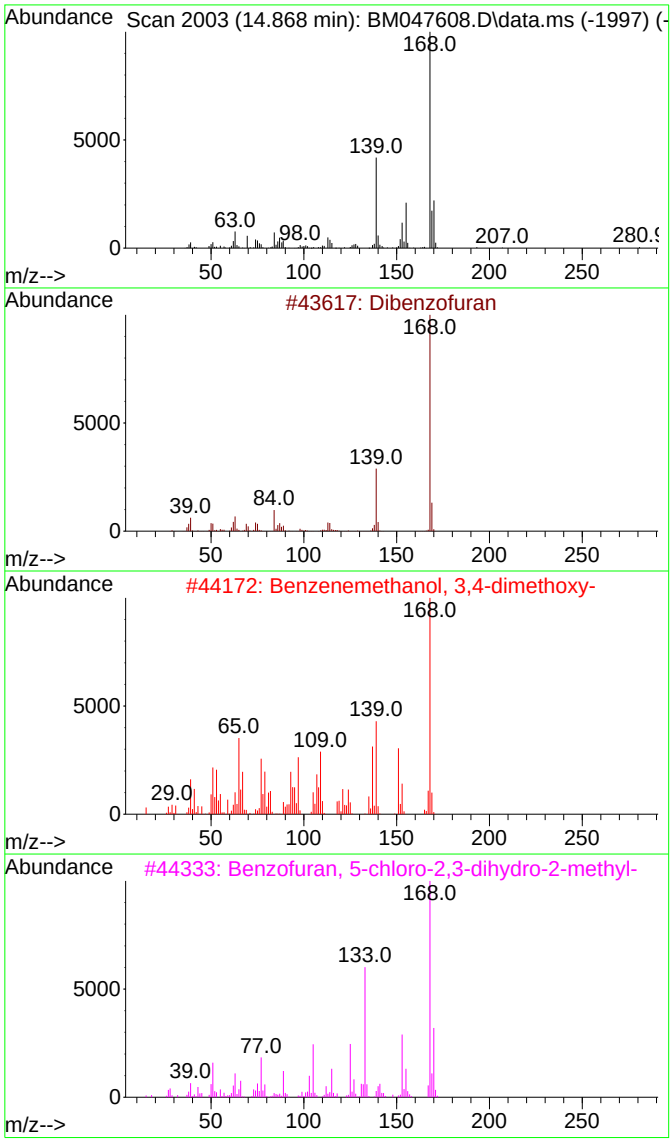
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

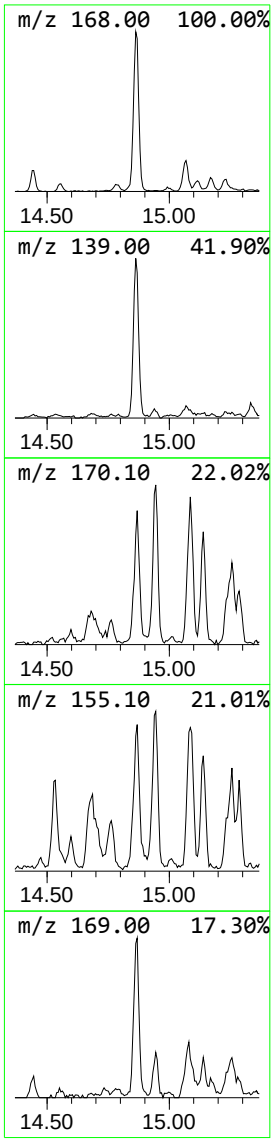
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Benzenemethanol, 3,4-dimeth... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.868	2.05 ng	385109	Acenaphthene-d10	14.468

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran	168	C12H8O	000132-64-9	60
2	Benzenemethanol, 3,4-dimethoxy-	168	C9H12O3	000093-03-8	53
3	Benzofuran, 5-chloro-2,3-dihydro...	168	C9H9ClO	054410-96-7	47
4	9H-Pyrido[3,4-b]indole	168	C11H8N2	000244-63-3	38
5	[2-Amino-1-(2-chlorophenyl)ethyl...	240	C12H17ClN2O	1216920-20-5	37





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092324\
Data File : BM047608.D
Acq On : 23 Sep 2024 17:42
Operator : RC/JU
Sample : P4142-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OR-02-09202024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

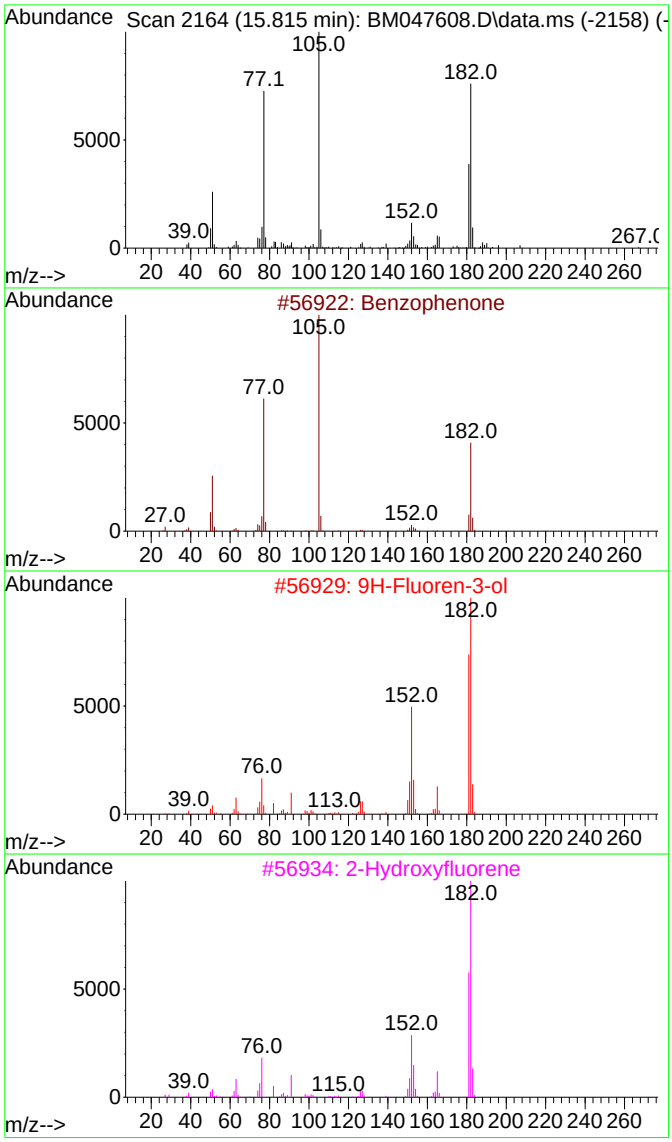
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

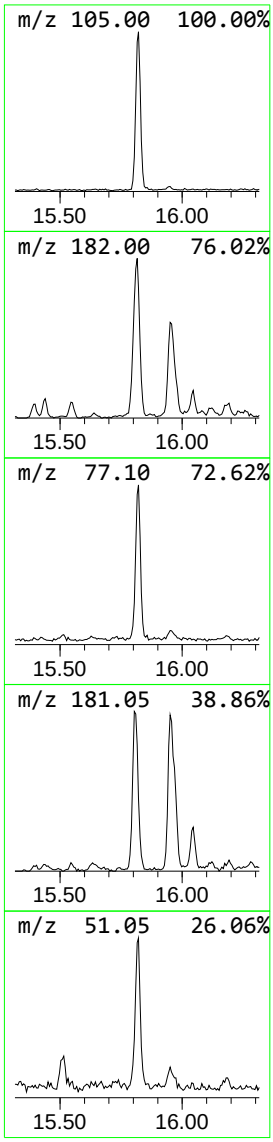
****

Peak Number 2 Benzophenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.815	2.39 ng	448957	Acenaphthene-d10	14.468

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	81
2	9H-Fluoren-3-ol	182	C13H10O	006344-67-8	60
3	2-Hydroxyfluorene	182	C13H10O	002443-58-5	60
4	Azobenzene, (E)-	182	C12H10N2	017082-12-1	52
5	8-Methyl-5H-pyrido[4,3-b]indole	182	C12H10N2	088894-13-7	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092324\
Data File : BM047608.D
Acq On : 23 Sep 2024 17:42
Operator : RC/JU
Sample : P4142-01 5X
Misc :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

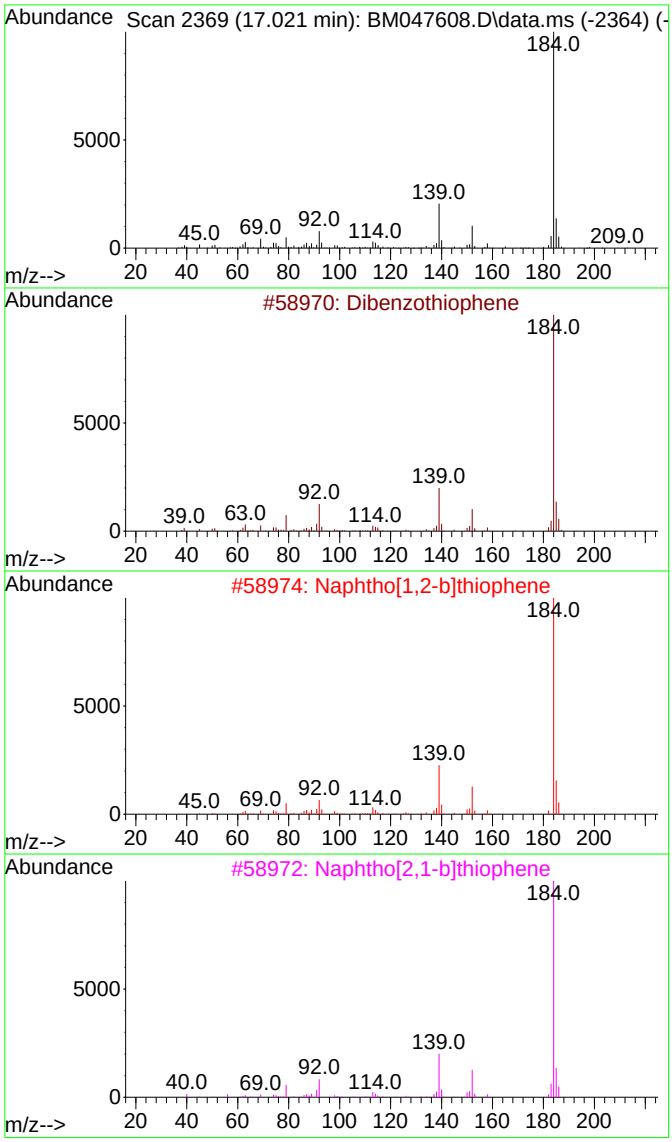
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

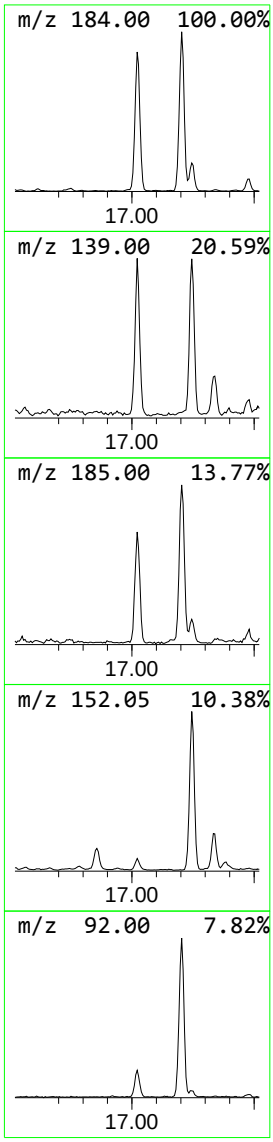
****

Peak Number 3 Dibenzothiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.021	2.90 ng	561099	Phenanthrene-d10	17.203

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	93
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
5	6-Methoxy-5-quinolinecarbonitrile	184	C11H8N2O	087299-97-6	52





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ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

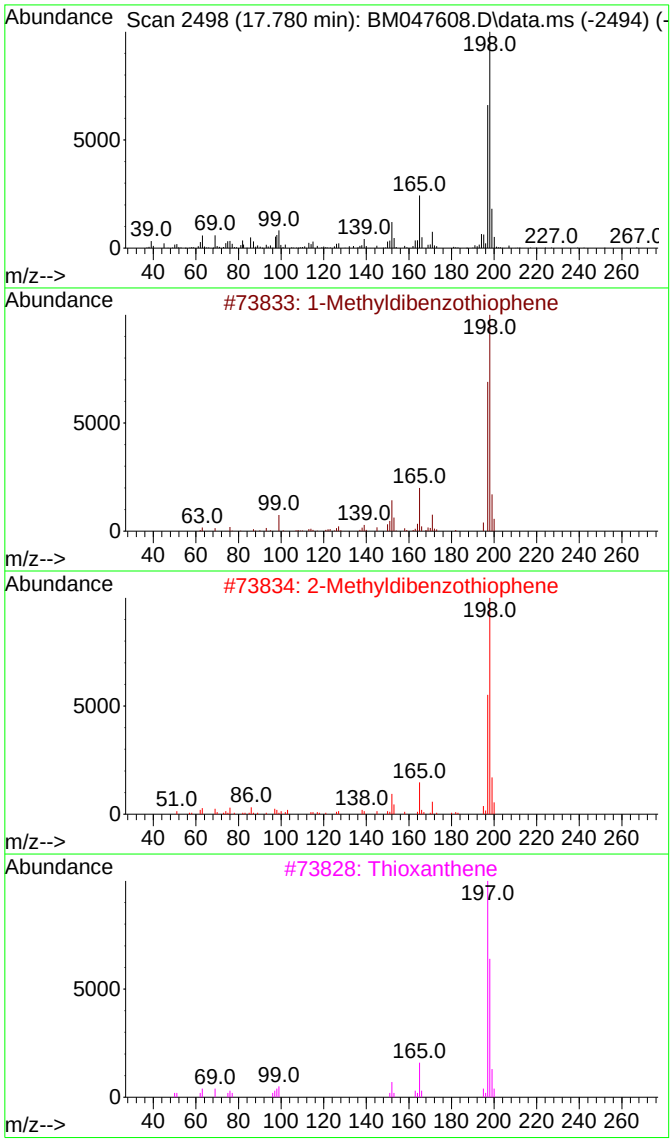
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

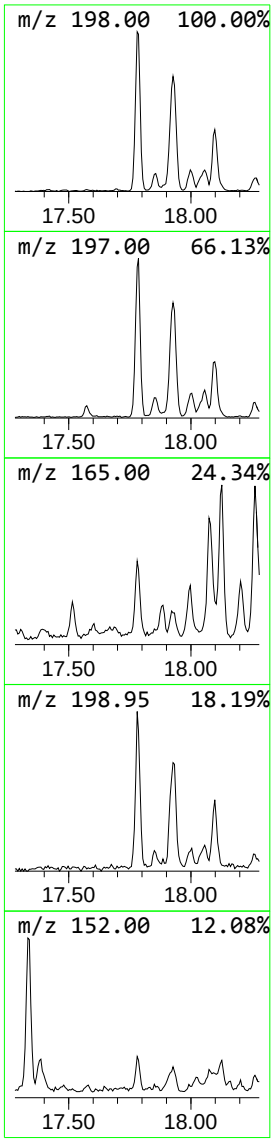
****

Peak Number 4 1-Methyldibenzothiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.780	2.28 ng	441111	Phenanthrene-d10	17.203

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	96
2	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	94
3	Thioxanthene	198	C13H10S	000261-31-4	92
4	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	91
5	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092324\
Data File : BM047608.D
Acq On : 23 Sep 2024 17:42
Operator : RC/JU
Sample : P4142-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OR-02-09202024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

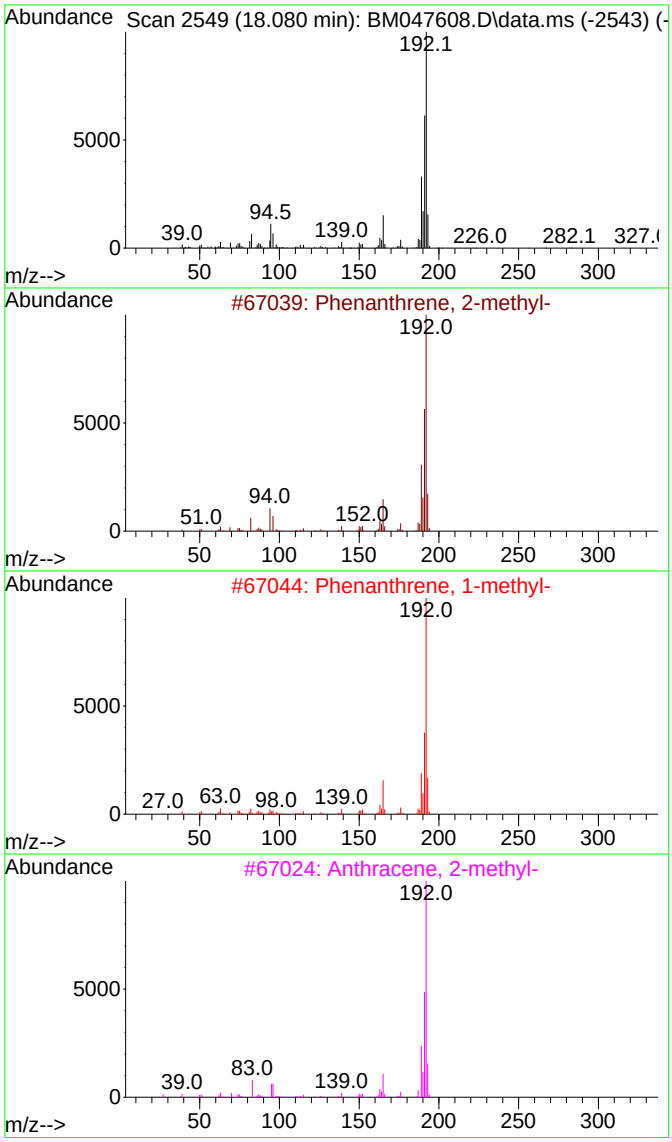
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

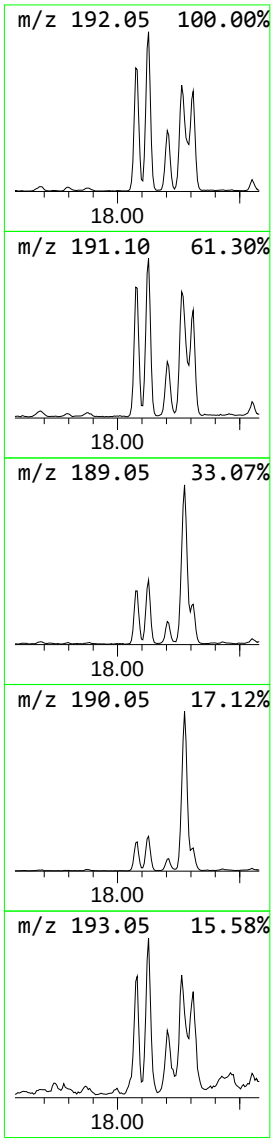
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.080	6.74 ng	1306530	Phenanthrene-d10	17.203

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	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092324\
Data File : BM047608.D
Acq On : 23 Sep 2024 17:42
Operator : RC/JU
Sample : P4142-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OR-02-09202024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.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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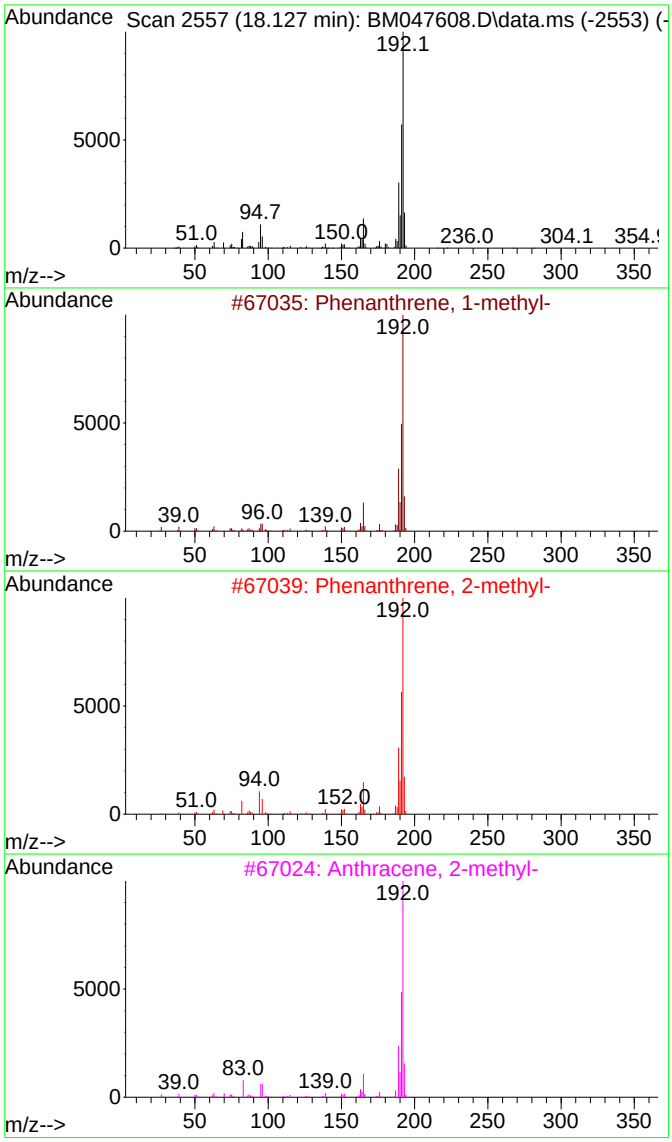
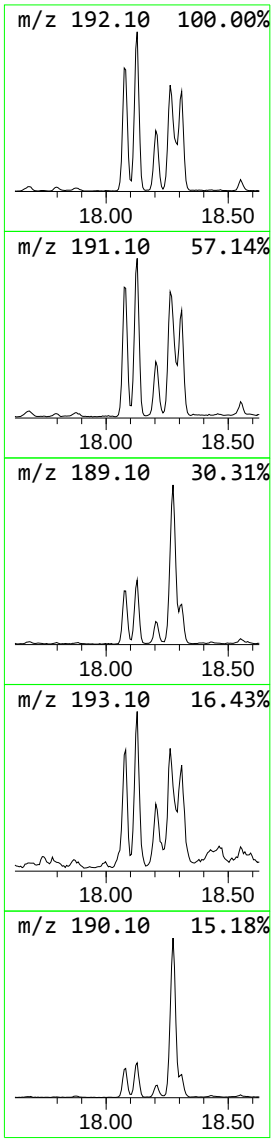
Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.127	6.60 ng	1277880	Phenanthrene-d10	17.203

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95





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Sample : P4142-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OR-02-09202024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.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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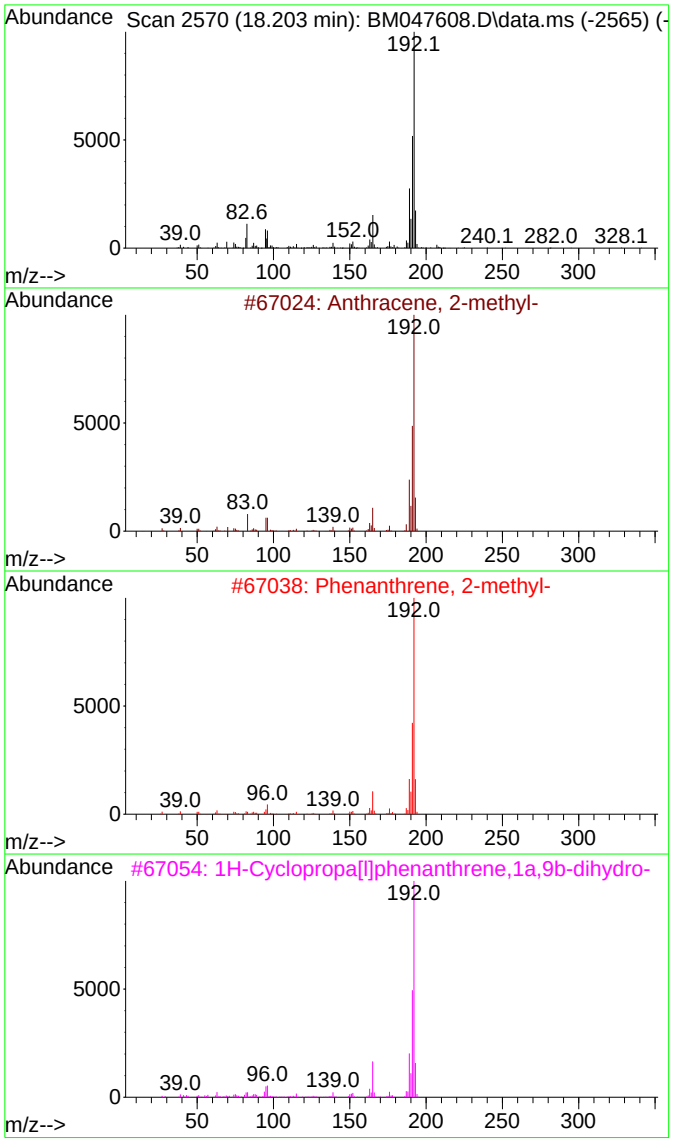
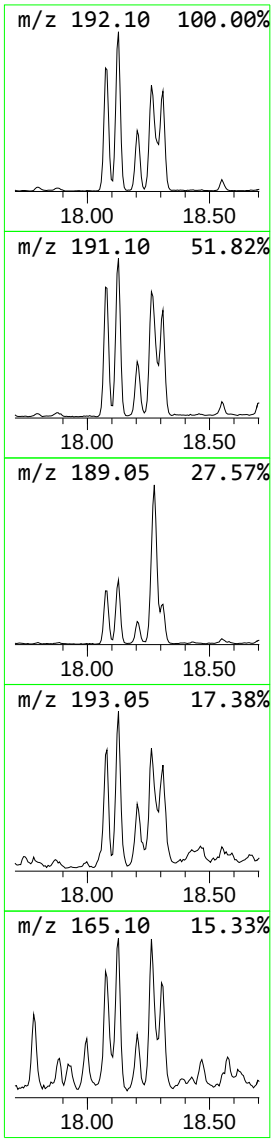
Peak Number 7 Anthracene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.203	2.41 ng	466835	Phenanthrene-d10	17.203

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	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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Operator : RC/JU
Sample : P4142-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-02-09202024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.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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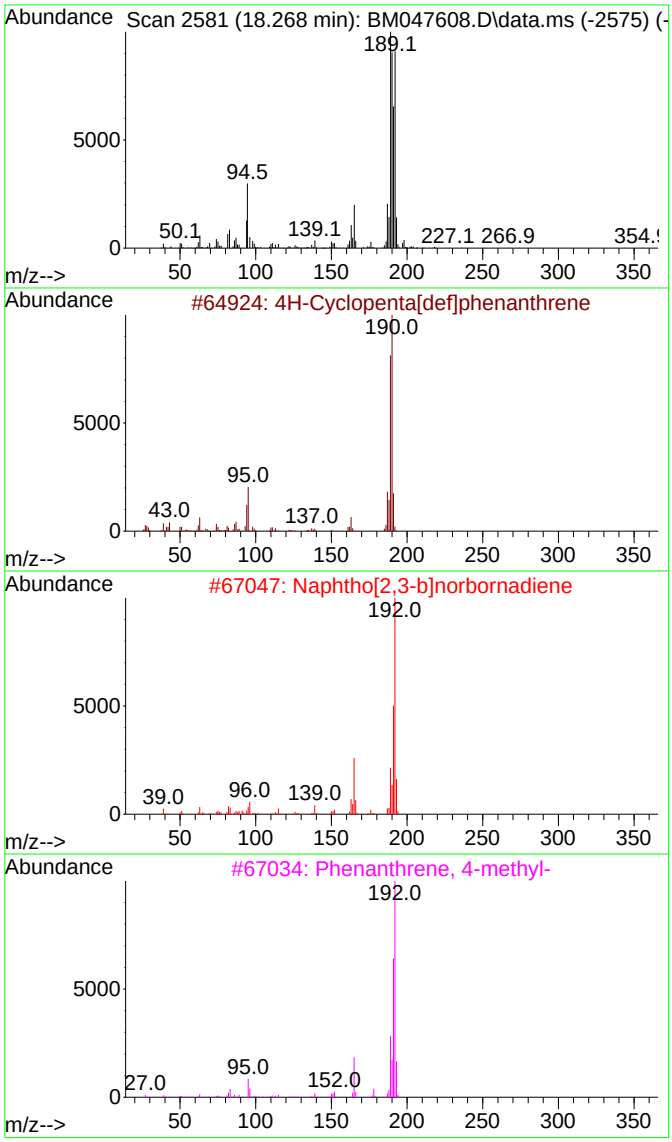
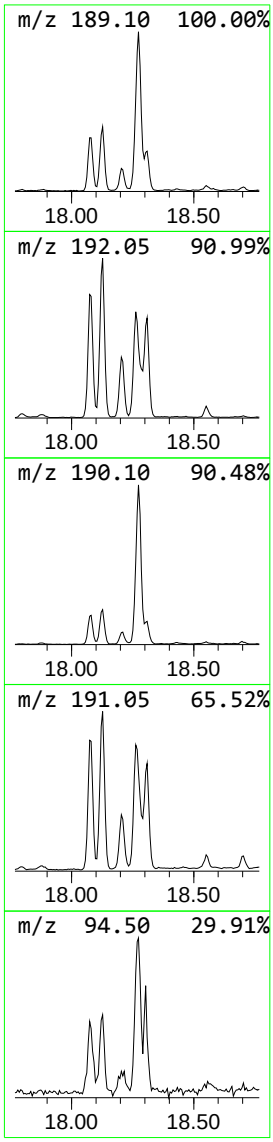
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.268	9.91 ng	1919920	Phenanthrene-d10	17.203

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50
2	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	42
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	42
5	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	42





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Operator : RC/JU
Sample : P4142-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OR-02-09202024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.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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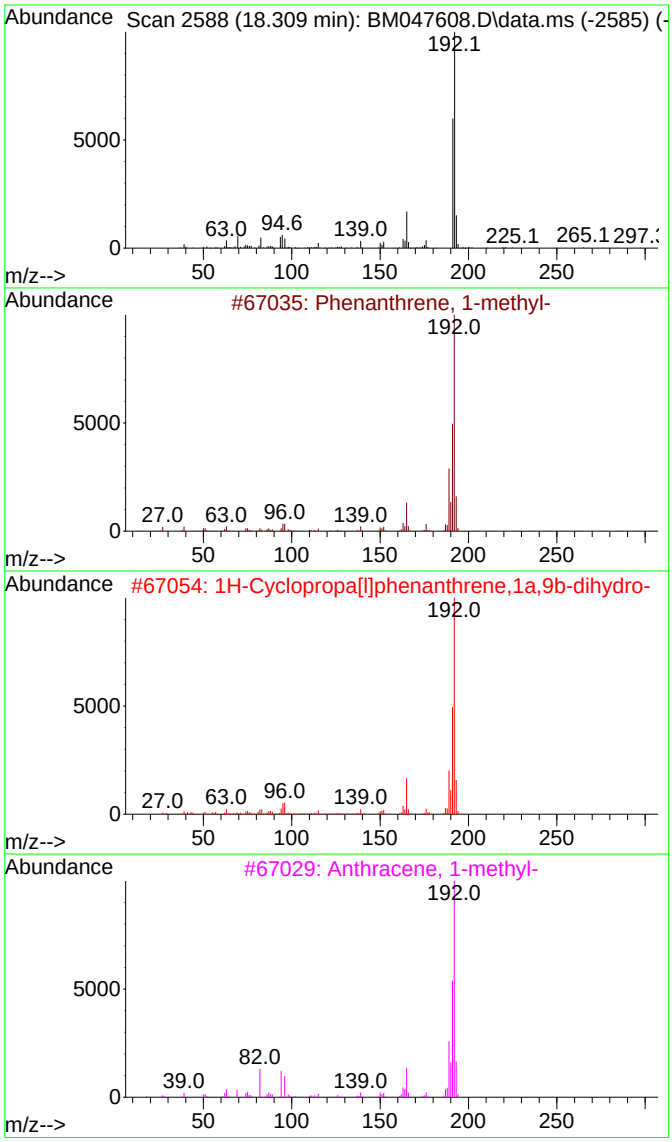
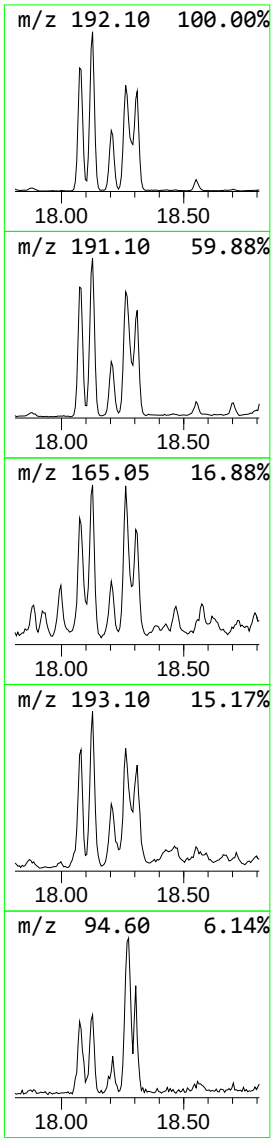
Peak Number 9 1H-Cyclopropa[l]phenanthren... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.309	3.85 ng	746398	Phenanthrene-d10	17.203

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91





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Operator : RC/JU
Sample : P4142-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OR-02-09202024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.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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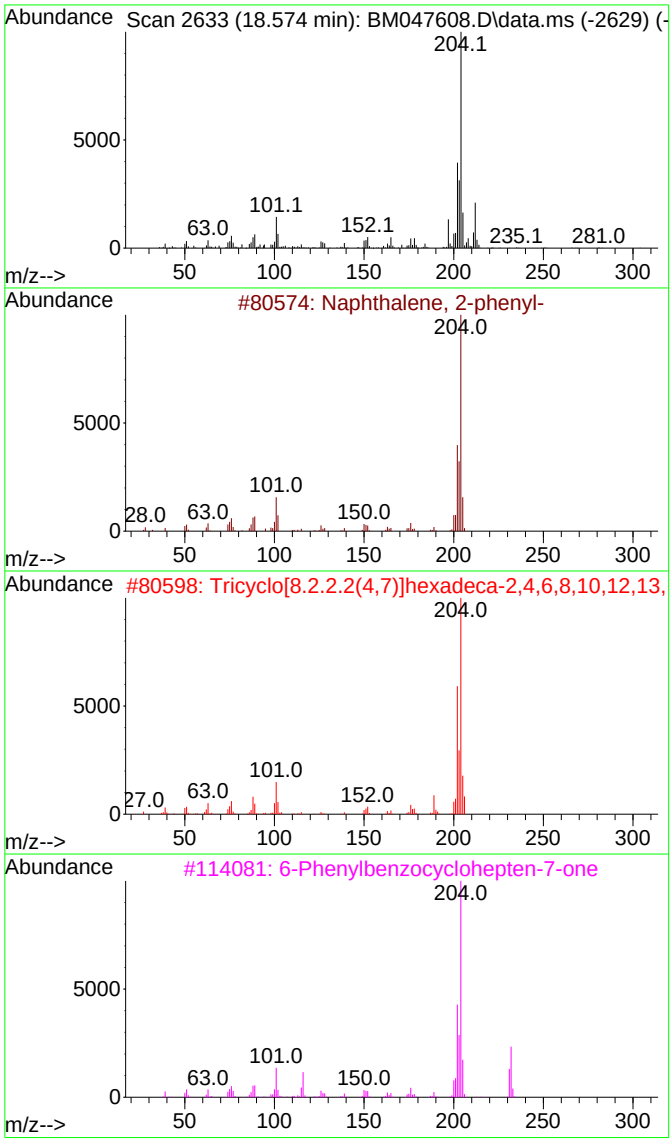
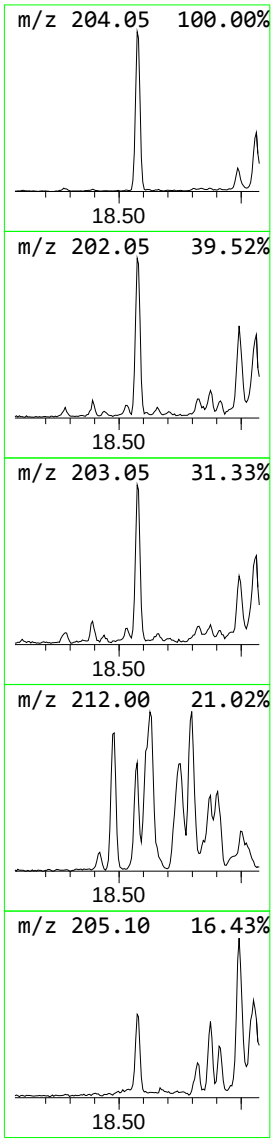
Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.574	2.30 ng	444991	Phenanthrene-d10	17.203

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	92
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	78
3	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	72
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	64
5	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	50





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Sample : P4142-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-02-09202024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.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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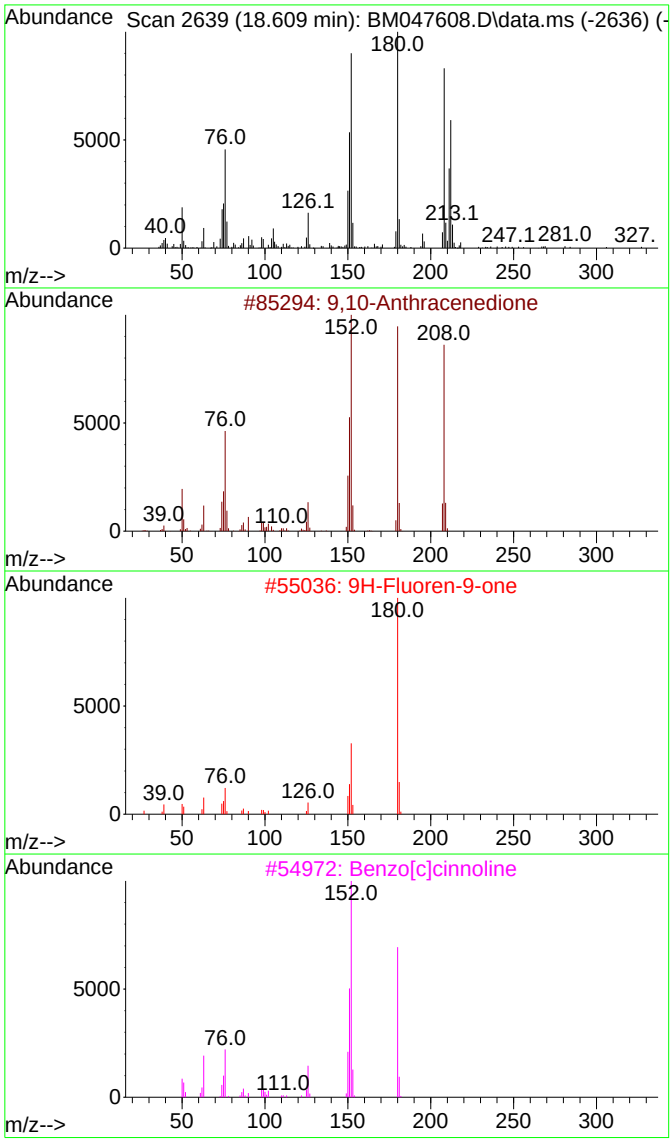
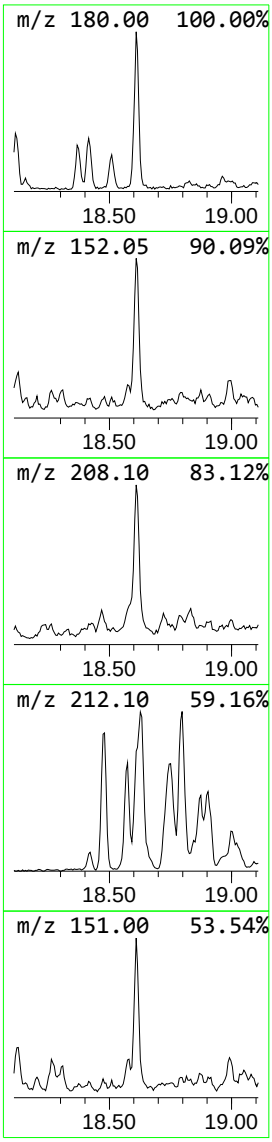
Peak Number 11 9,10-Anthracenedione Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.609	3.33 ng	645985	Phenanthrene-d10	17.203

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	87
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	78
4	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	55
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	50





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Data File : BM047608.D
Acq On : 23 Sep 2024 17:42
Operator : RC/JU
Sample : P4142-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OR-02-09202024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.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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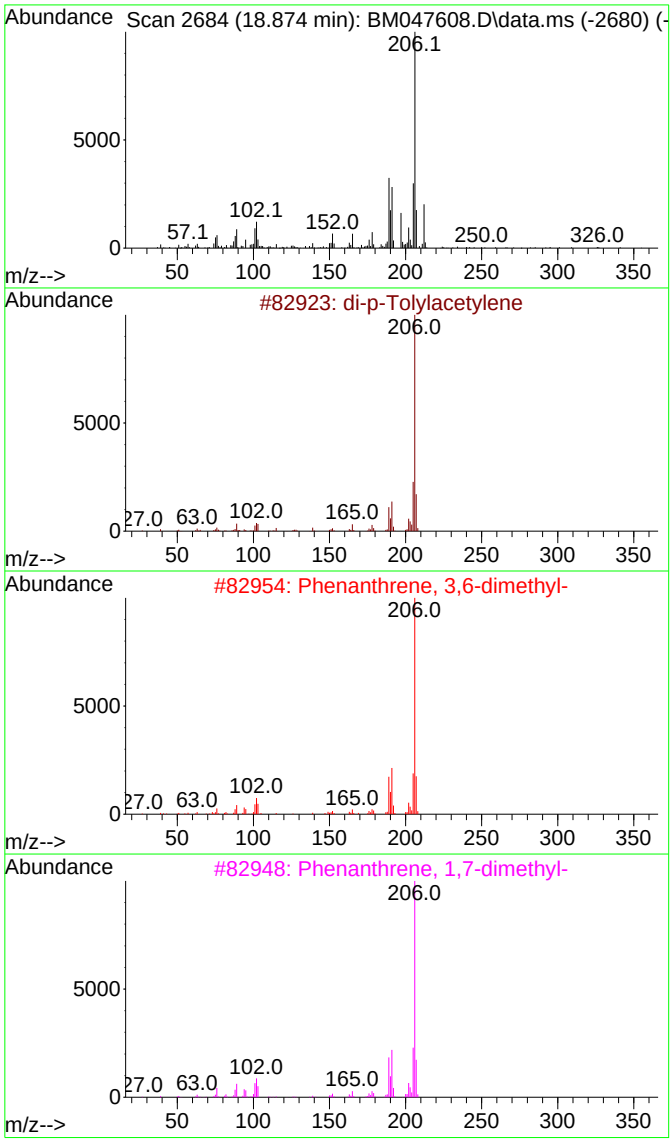
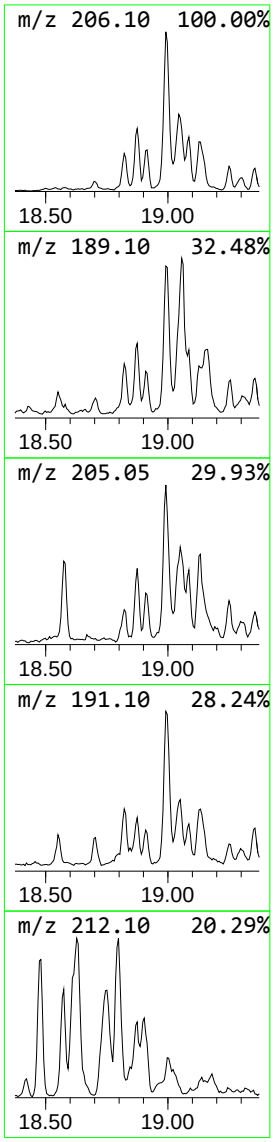
Peak Number 12 di-p-Tolylacetylene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.874	2.01 ng	388956	Phenanthrene-d10	17.203

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	74
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	68
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	64
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	64
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	64





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Data File : BM047608.D
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Operator : RC/JU
Sample : P4142-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OR-02-09202024

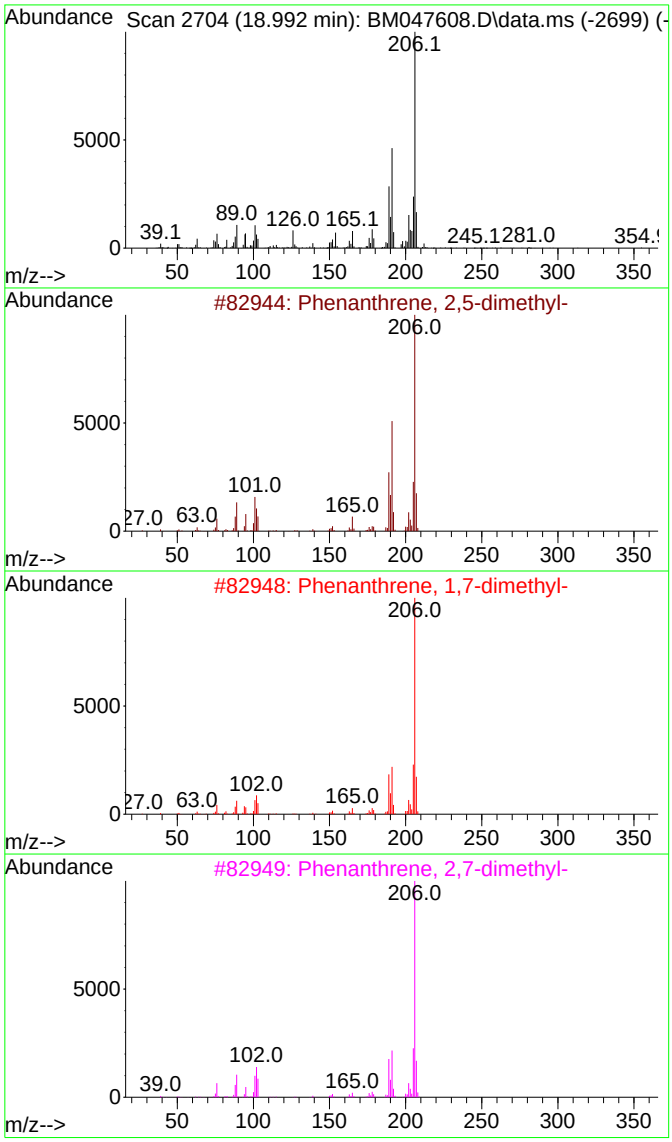
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

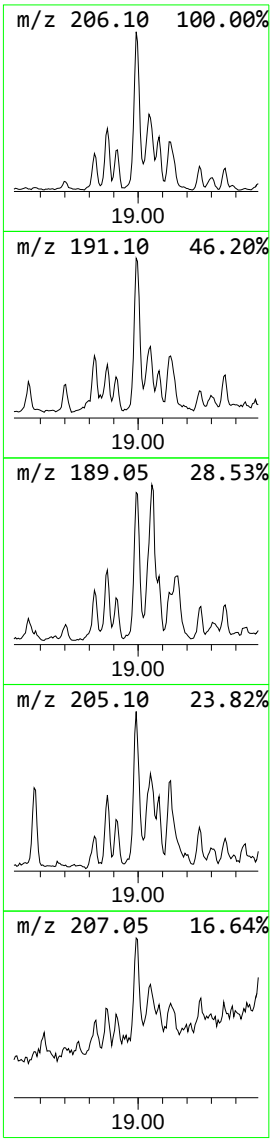
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.992	4.86 ng	940860	Phenanthrene-d10	17.203

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	94
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	94
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93





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Operator : RC/JU
Sample : P4142-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OR-02-09202024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.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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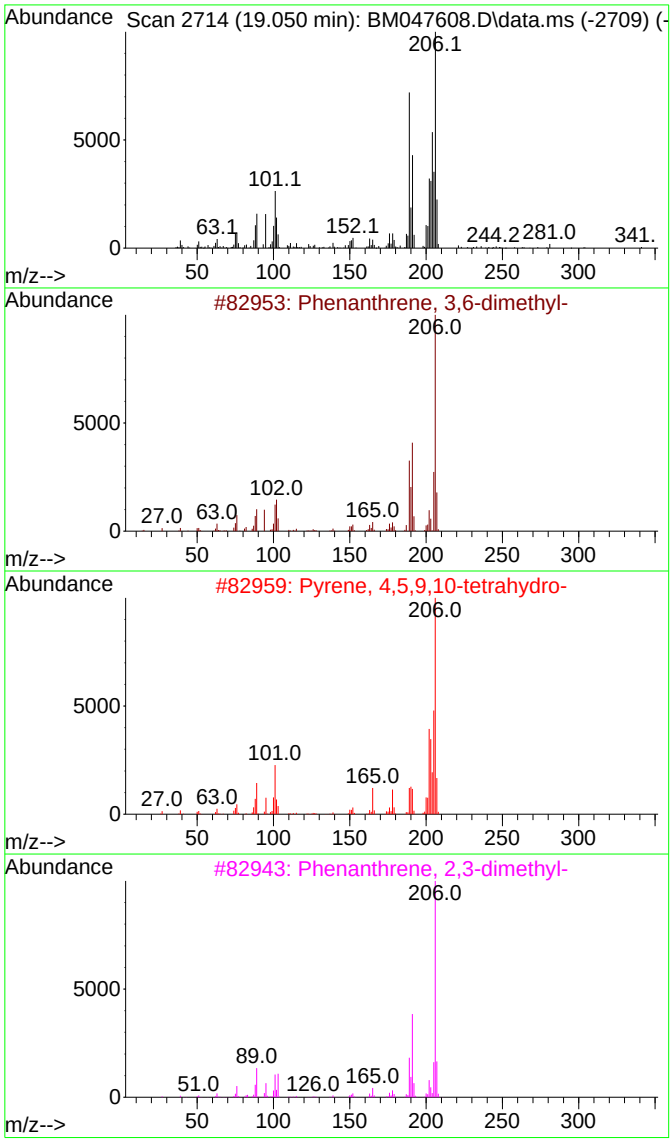
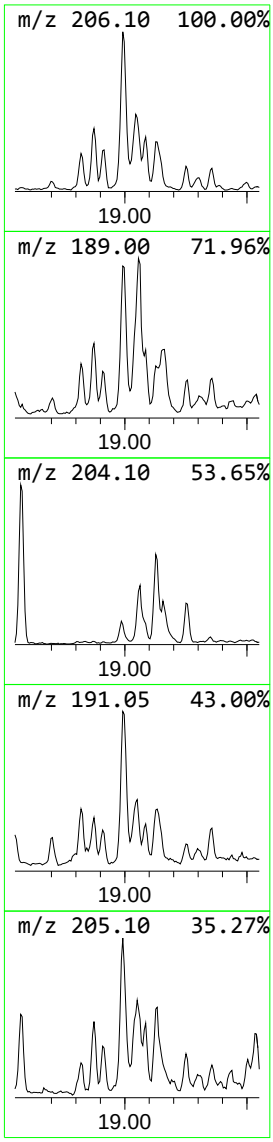
Peak Number 14 Phenanthrene, 3,6-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.050	2.33 ng	451718	Phenanthrene-d10	17.203

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	92
2	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	56
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	55
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	49
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	49





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Operator : RC/JU
Sample : P4142-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-02-09202024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.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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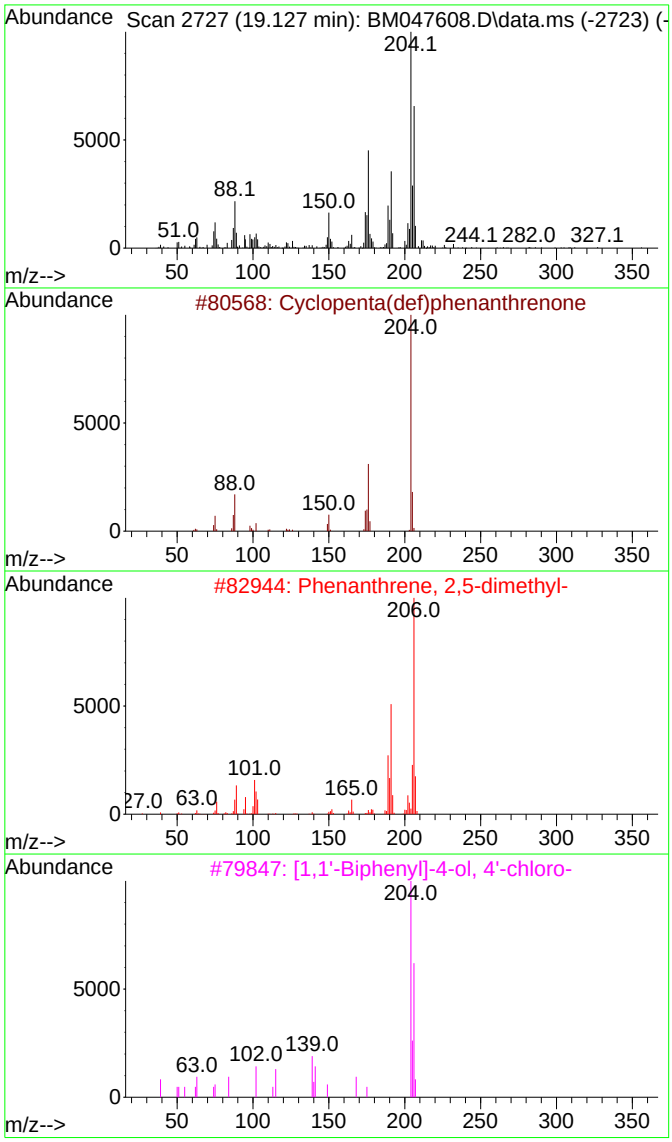
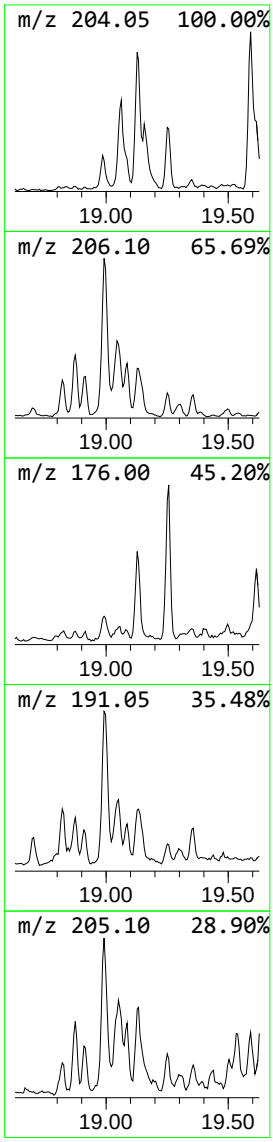
Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.127	3.39 ng	655876	Phenanthrene-d10	17.203

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	89
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	56
3	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	46
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	38
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	35





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Operator : RC/JU
Sample : P4142-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-02-09202024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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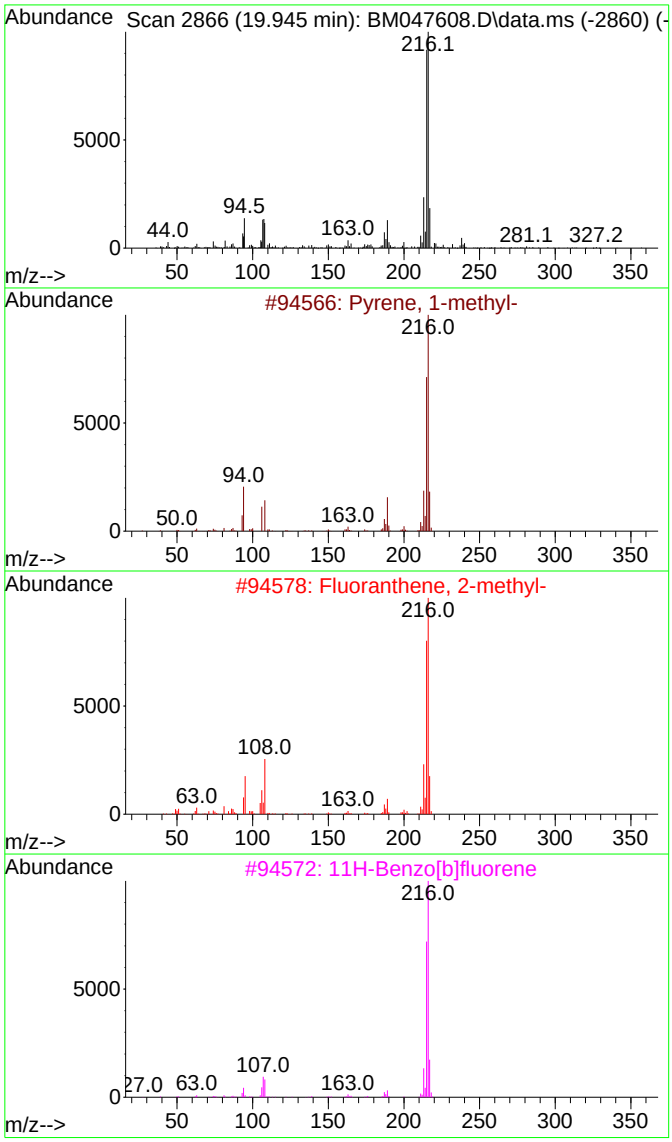
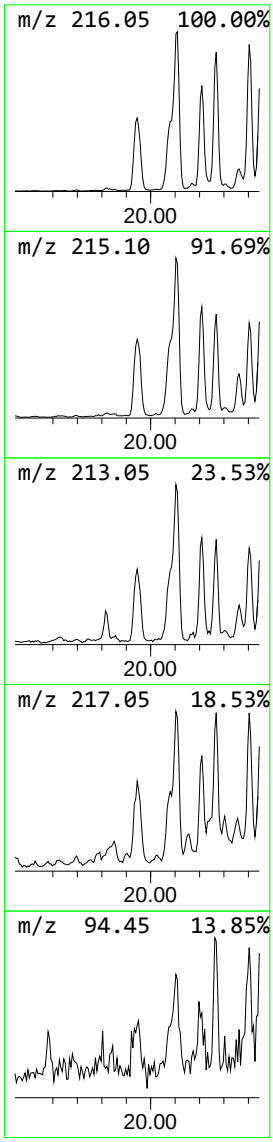
Peak Number 16 Pyrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.945	2.56 ng	876014	Chrysene-d12	21.427

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	74





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Data File : BM047608.D
Acq On : 23 Sep 2024 17:42
Operator : RC/JU
Sample : P4142-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OR-02-09202024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.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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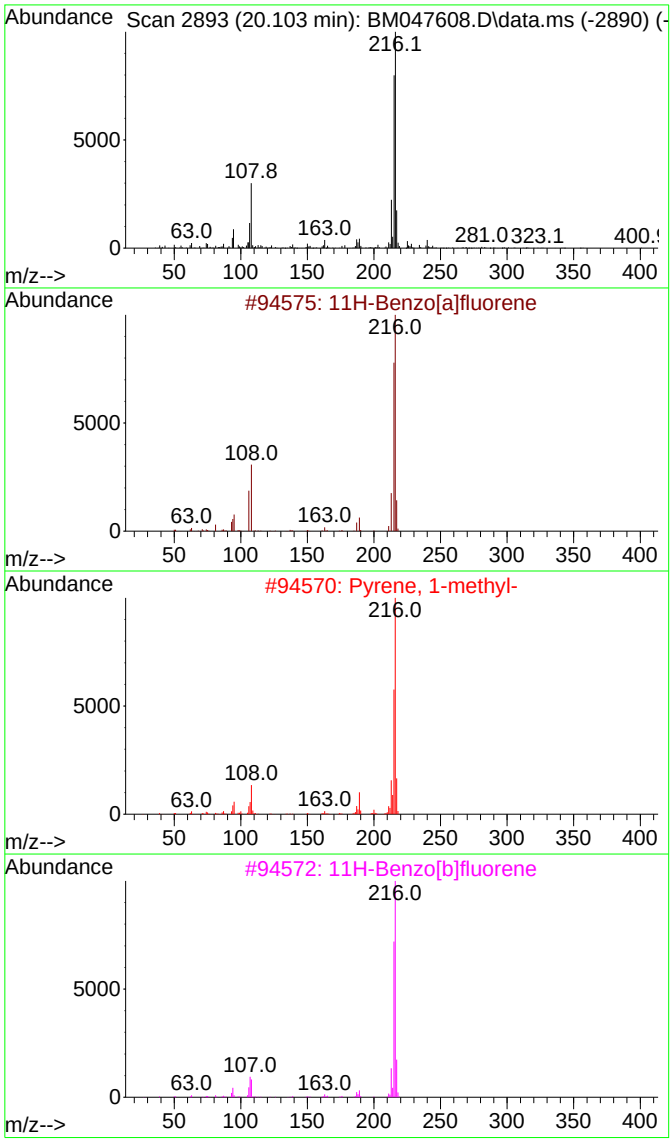
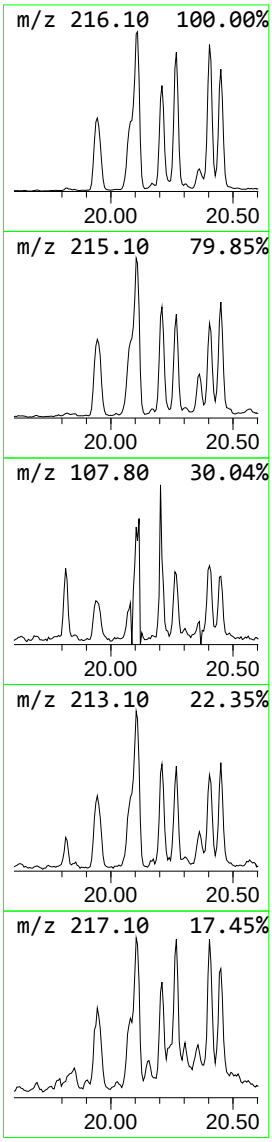
Peak Number 17 11H-Benzo[a]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.103	2.79 ng	952918	Chrysene-d12	21.427

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092324\
Data File : BM047608.D
Acq On : 23 Sep 2024 17:42
Operator : RC/JU
Sample : P4142-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OR-02-09202024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

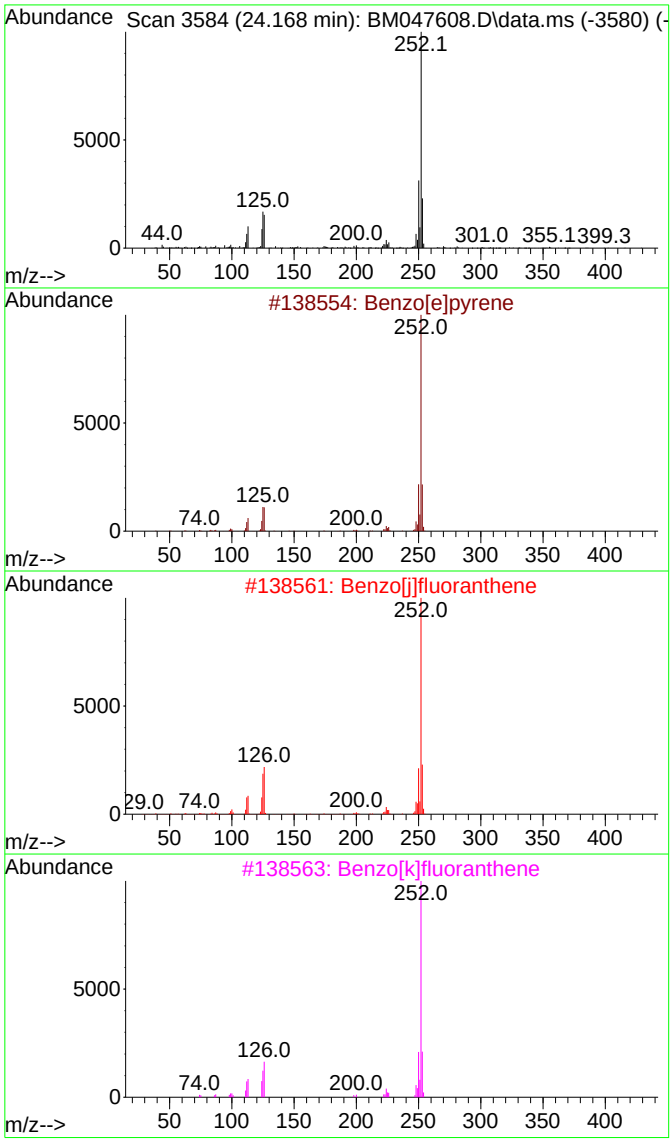
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

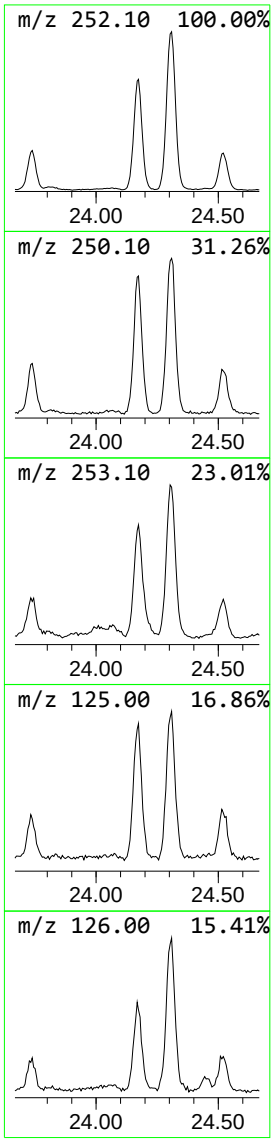
****

Peak Number 18 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.168	6.55 ng	1200900	Perylene-d12	24.450

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[j]fluoranthene	252	C20H12	000205-82-3	98
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	97
5	Perylene	252	C20H12	000198-55-0	96





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM092324\
Data File : BM047608.D
Acq On : 23 Sep 2024 17:42
Operator : RC/JU
Sample : P4142-01 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
OR-02-09202024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM092024.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
Benzenemethanol...	14.868	2.0	ng	385109	3	14.468	3754760	20.0
Benzophenone	15.815	2.4	ng	448957	3	14.468	3754760	20.0
Dibenzothiophene	17.021	2.9	ng	561099	4	17.203	3874380	20.0
1-Methyldibenzo...	17.780	2.3	ng	441111	4	17.203	3874380	20.0
Phenanthrene, 2...	18.080	6.7	ng	1306530	4	17.203	3874380	20.0
Phenanthrene, 1...	18.127	6.6	ng	1277880	4	17.203	3874380	20.0
Anthracene, 2-m...	18.203	2.4	ng	466835	4	17.203	3874380	20.0
4H-Cyclopenta[d...	18.268	9.9	ng	1919920	4	17.203	3874380	20.0
1H-Cyclopropa[l...	18.309	3.9	ng	746398	4	17.203	3874380	20.0
Naphthalene, 2-...	18.574	2.3	ng	444991	4	17.203	3874380	20.0
9,10-Anthracene...	18.609	3.3	ng	645985	4	17.203	3874380	20.0
di-p-Tolylacety...	18.874	2.0	ng	388956	4	17.203	3874380	20.0
Phenanthrene, 2...	18.992	4.9	ng	940860	4	17.203	3874380	20.0
Phenanthrene, 3...	19.050	2.3	ng	451718	4	17.203	3874380	20.0
Cyclopenta(def)...	19.127	3.4	ng	655876	4	17.203	3874380	20.0
Pyrene, 1-methyl-	19.945	2.6	ng	876014	5	21.427	6835560	20.0
11H-Benzo[a]flu...	20.103	2.8	ng	952918	5	21.427	6835560	20.0
Benzo[e]pyrene	24.168	6.5	ng	1200900	6	24.450	3664840	20.0