LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040325\
Data File : BM049815.D
Acq On : 03 Apr 2025 21:09
Operator : RC/JU
Sample : Q1684-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SU-04-040125

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-BM031325.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM049815.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.375	399	406	415	rBV	1013539	1483507	2.72%	0.277%
2	6.963	669	676	683	rBV	966266	1526993	2.80%	0.285%
3	7.792	810	817	826	rBV	1416505	2227280	4.08%	0.415%
4	8.945	1006	1013	1023	rVB	558494	942924	1.73%	0.176%
5	10.586	1282	1292	1296	rBV	1727678	2978977	5.46%	0.555%
6	10.633	1296	1300	1312	rVB	4211023	6701003	12.28%	1.249%
7	12.251	1563	1575	1582	rBV	1786613	2818147	5.17%	0.525%
8	12.469	1601	1612	1622	rVB	1078791	1697066	3.11%	0.316%
9	13.051	1703	1711	1720	rBV	1716464	2479605	4.54%	0.462%
10	13.263	1741	1747	1756	rVB	480466	688928	1.26%	0.128%
11	13.592	1794	1803	1805	rBV	385121	605534	1.11%	0.113%
12	13.751	1823	1830	1835	rBV	591060	1015608	1.86%	0.189%
13	13.804	1835	1839	1846	rVB	417907	621444	1.14%	0.116%
14	14.157	1890	1899	1912	rBV	888873	1622056	2.97%	0.302%
15	14.433	1936	1946	1951	rBV	2612096	4082745	7.48%	0.761%
16	14.498	1951	1957	1964	rVV	3878288	5593809	10.25%	1.043%
17	14.833	2007	2014	2022	rVB	2979611	4439555	8.14%	0.828%
18	15.480	2118	2124	2135	rVB	6449649	8693603	15.93%	1.621%
19	15.639	2148	2151	2156	rVB2	481458	654012	1.20%	0.122%
20	15.774	2170	2174	2185	rVB2	1070552	1858631	3.41%	0.346%
21	15.921	2191	2199	2206	rVB	2092906	3668447	6.72%	0.684%
22	16.151	2233	2238	2251	rVB3	345308	613070	1.12%	0.114%
23	16.480	2283	2294	2299	rBV2	784113	1605657	2.94%	0.299%
24	16.827	2349	2353	2362	rVB3	411091	678559	1.24%	0.126%
25	16.909	2362	2367	2372	rBV	385461	720481	1.32%	0.134%
26	16.992	2377	2381	2391	rVB	1333165	1935236	3.55%	0.361%
27	17.174	2407	2412	2415	rBV	2899882	4277692	7.84%	0.797%
28	17.221	2415	2420	2426	rVV2	27543634	40406251	74.06%	7.532%
29	17.309	2426	2435	2440	rVV	9881182	13866780	25.42%	2.585%
30	17.362	2440	2444	2451	rVB3	445733	740622	1.36%	0.138%
31	17.574	2470	2480	2485	rBV	2472688	3855819	7.07%	0.719%
32	17.692	2496	2500	2505	rVV3	472480	639794	1.17%	0.119%
33	18.051	2551	2561	2565	rBV	2332037	3744454	6.86%	0.698%
34	18.098	2565	2569	2575	rVB	3677937	4893348	8.97%	0.912%
35	18.180	2577	2583	2588	rVV	1606331	2245970	4.12%	0.419%
36	18.250	2588	2595	2598	rBV2	5856760	9361279	17.16%	1.745%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040325\
Data File : BM049815.D
Acq On : 03 Apr 2025 21:09
Operator : RC/JU
Sample : Q1684-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SU-04-040125

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-BM031325.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	18.280	2598	2600	2606	rVB	1471164	1763010	3.23%	0.329%
38	18.550	2641	2646	2650	rBV	1998233	2548533	4.67%	0.475%
39	18.592	2650	2653	2658	rVB	575775	720055	1.32%	0.134%
40	18.968	2712	2717	2722	rBV2	891677	1611057	2.95%	0.300%
41	19.033	2725	2728	2731	rVV2	473396	564266	1.03%	0.105%
42	19.109	2737	2741	2751	rBV	1209232	1877909	3.44%	0.350%
43	19.239	2756	2763	2768	rBV2	36974420	54557764	100.00%	10.170%
44	19.333	2775	2779	2783	rVB	591211	693880	1.27%	0.129%
45	19.380	2783	2787	2791	rVB2	540425	720764	1.32%	0.134%
46	19.474	2798	2803	2807	rBV2	846394	1305929	2.39%	0.243%
47	19.603	2820	2825	2832	rVB2	33032530	48667861	89.20%	9.072%
48	19.668	2832	2836	2843	rVB2	1281533	1942317	3.56%	0.362%
49	19.774	2850	2854	2855	rBV	1898144	2090940	3.83%	0.390%
50	19.797	2855	2858	2861	rVB	2621531	2972784	5.45%	0.554%
51	19.833	2861	2864	2870	rVB	1453584	1948162	3.57%	0.363%
52	19.915	2873	2878	2879	rBV	1664813	2369252	4.34%	0.442%
53	19.968	2885	2887	2891	rVB	763725	851848	1.56%	0.159%
54	20.056	2895	2902	2904	rVV4	1357658	2772489	5.08%	0.517%
55	20.092	2904	2908	2913	rVB	6501444	8185498	15.00%	1.526%
56	20.192	2920	2925	2929	rBV	6371502	7875463	14.44%	1.468%
57	20.250	2929	2935	2939	rVV2	2659973	4548826	8.34%	0.848%
58	20.286	2939	2941	2945	rVB	602524	683583	1.25%	0.127%
59	20.333	2945	2949	2953	rBV3	584717	898052	1.65%	0.167%
60	20.386	2955	2958	2962	rBV	1129957	1349489	2.47%	0.252%
61	20.433	2962	2966	2970	rBV	1396970	1848240	3.39%	0.345%
62	20.797	3025	3028	3031	rBV2	669205	920157	1.69%	0.172%
63	20.839	3032	3035	3042	rVB2	1283260	2158514	3.96%	0.402%
64	21.015	3060	3065	3068	rBV	2038632	2936390	5.38%	0.547%
65	21.056	3068	3072	3075	rVV	2648592	3346287	6.13%	0.624%
66	21.097	3075	3079	3084	rVV2	2975671	4896188	8.97%	0.913%
67	21.156	3085	3089	3098	rVB2	1341764	2190990	4.02%	0.408%
68	21.397	3120	3130	3136	rBV3	21165156	40004150	73.32%	7.457%
69	21.462	3137	3141	3152	rVB	16303136	23287161	42.68%	4.341%
70	21.603	3160	3165	3171	rBV	4112909	6551546	12.01%	1.221%
71	21.733	3184	3187	3192	rVB	1450633	2038084	3.74%	0.380%
72	21.797	3193	3198	3205	rVV2	2102914	3785353	6.94%	0.706%
73	22.103	3246	3250	3255	rVB	2107102	3397061	6.23%	0.633%
74	22.168	3258	3261	3269	rVB2	1149640	2185051	4.01%	0.407%
75	22.297	3280	3283	3289	rVB3	1279399	1949574	3.57%	0.363%
76	22.356	3289	3293	3297	rVV	1329635	2209587	4.05%	0.412%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040325\
Data File : BM049815.D
Acq On : 03 Apr 2025 21:09
Operator : RC/JU
Sample : Q1684-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SU-04-040125

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-BM031325.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	22.403	3297	3301	3307	rVB3	2000231	3630907	6.66%	0.677%
78	22.486	3310	3315	3328	rVB4	961538	2561382	4.69%	0.477%
79	23.491	3476	3486	3491	rBV	11044284	33183597	60.82%	6.186%
80	23.715	3518	3524	3534	rVB	2744477	5986448	10.97%	1.116%
81	24.156	3591	3599	3611	rVB	6149557	16320551	29.91%	3.042%
82	24.297	3613	3623	3635	rVV	11369597	27766098	50.89%	5.176%
83	24.427	3639	3645	3650	rVV	2240374	5779127	10.59%	1.077%
84	24.497	3652	3657	3671	rVB	2931882	7997181	14.66%	1.491%
85	27.838	4214	4225	4246	rVB2	4285780	19184914	35.16%	3.576%
86	28.897	4395	4405	4417	rVB2	2898070	10846362	19.88%	2.022%

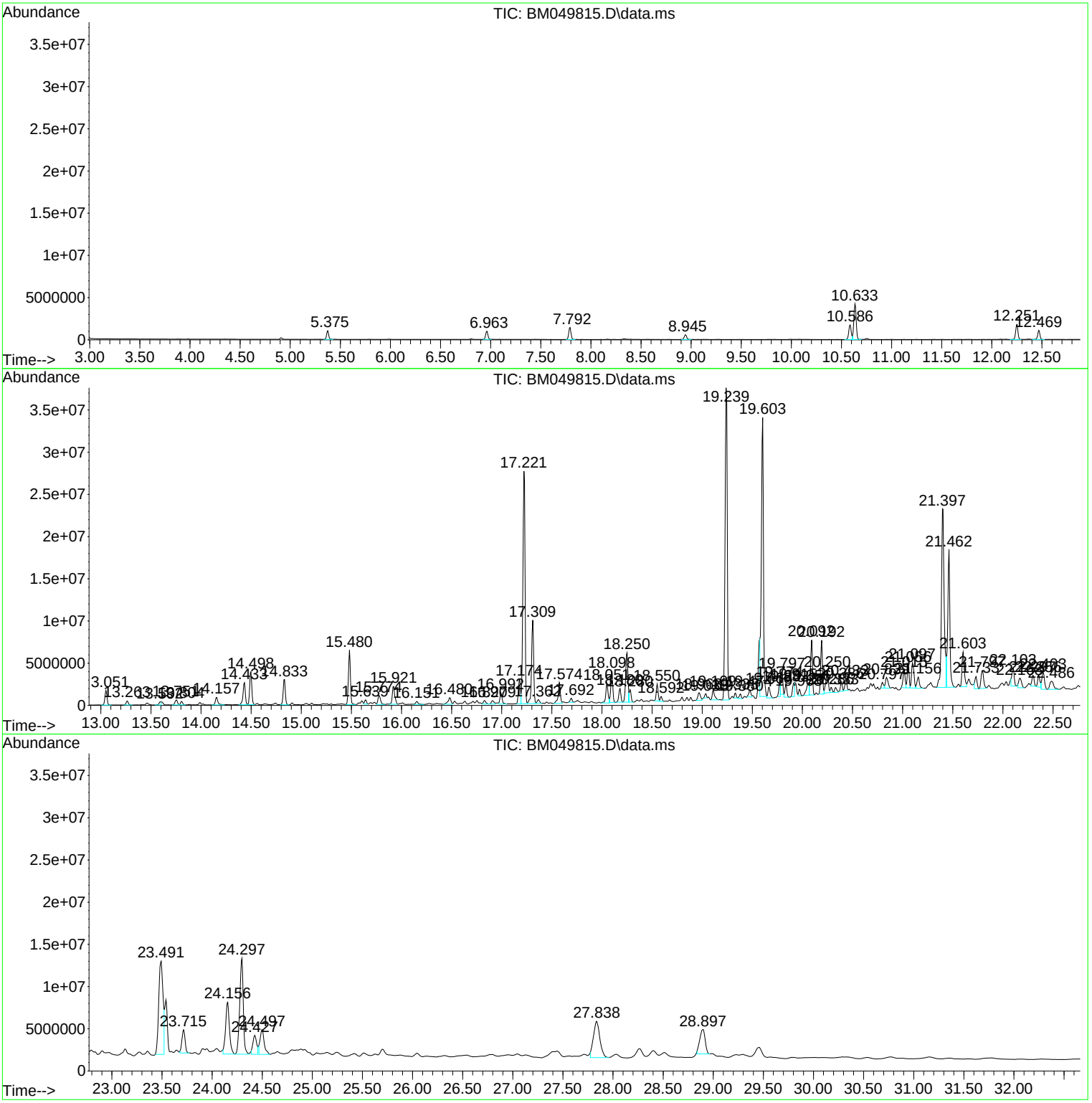
Sum of corrected areas: 536465517

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040325\
Data File : BM049815.D
Acq On : 03 Apr 2025 21:09
Operator : RC/JU
Sample : Q1684-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SU-04-040125

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.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\BM040325\
Data File : BM049815.D
Acq On : 03 Apr 2025 21:09
Operator : RC/JU
Sample : Q1684-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SU-04-040125

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

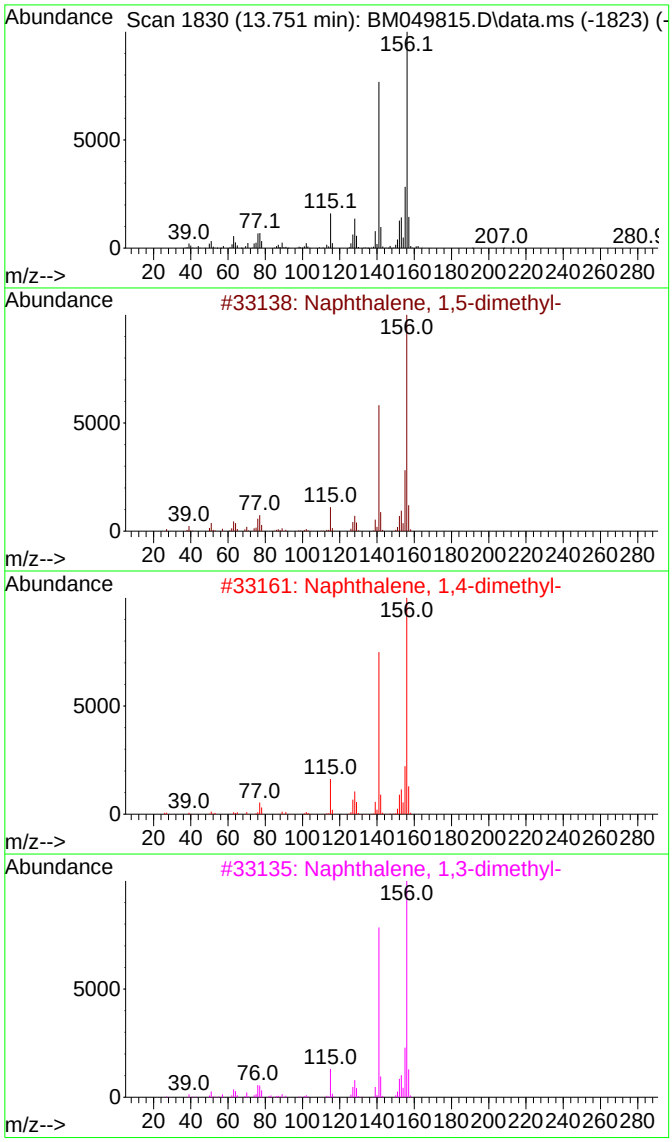
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

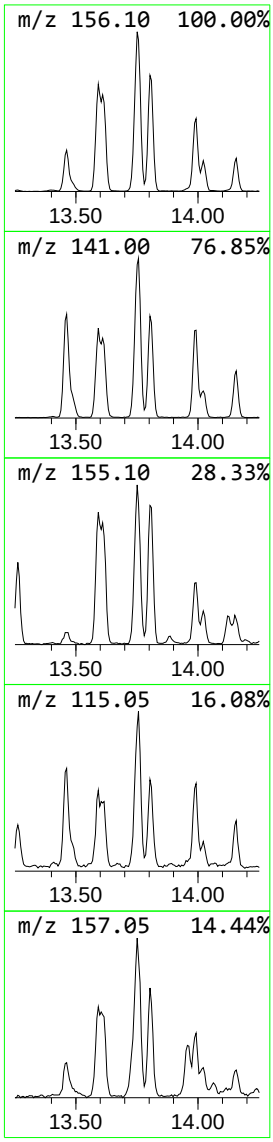
****

Peak Number 1 Naphthalene, 1,5-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.751	4.98 ng	1015610	Acenaphthene-d10	14.433

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040325\
Data File : BM049815.D
Acq On : 03 Apr 2025 21:09
Operator : RC/JU
Sample : Q1684-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SU-04-040125

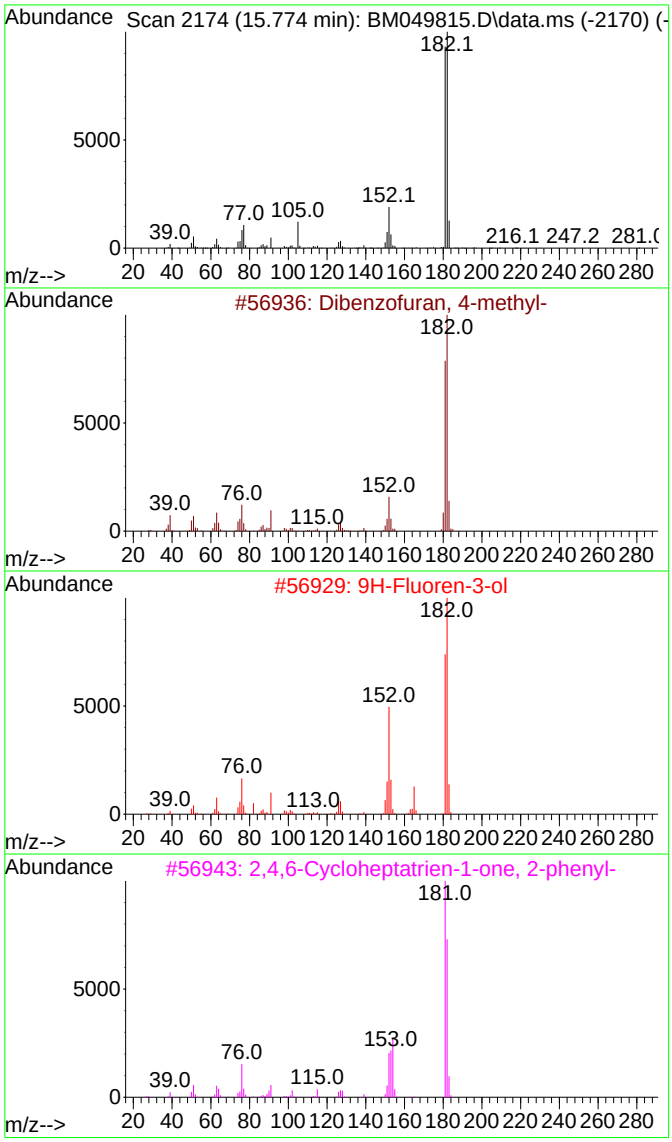
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

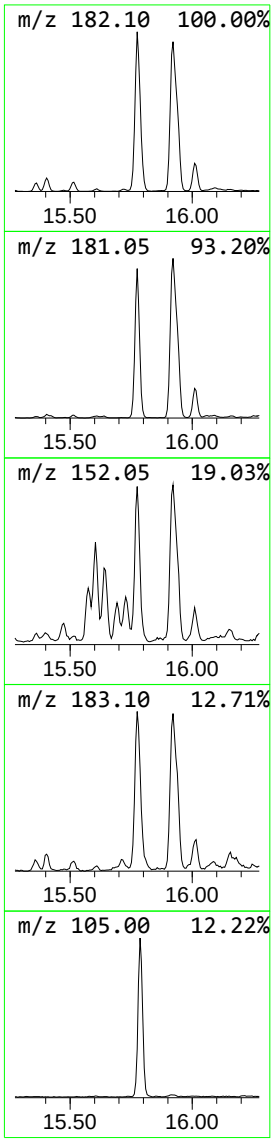
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Dibenzofuran, 4-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.774	9.10 ng	1858630	Acenaphthene-d10	14.433

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	90
2	9H-Fluoren-3-ol	182	C13H10O	006344-67-8	86
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	83
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040325\
Data File : BM049815.D
Acq On : 03 Apr 2025 21:09
Operator : RC/JU
Sample : Q1684-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SU-04-040125

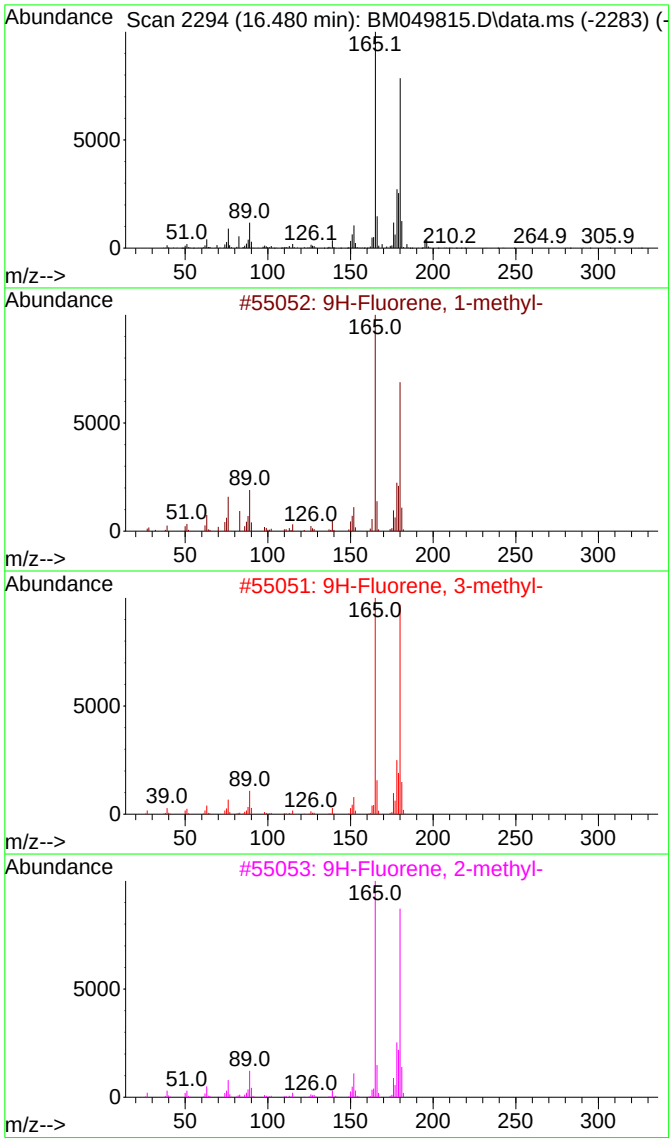
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

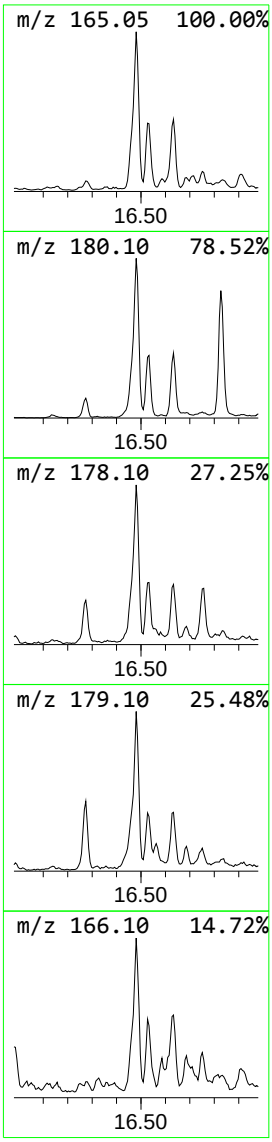
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 9H-Fluorene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.480	7.51 ng	1605660	Phenanthrene-d10	17.174

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	96
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	93
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	89





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040325\
Data File : BM049815.D
Acq On : 03 Apr 2025 21:09
Operator : RC/JU
Sample : Q1684-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SU-04-040125

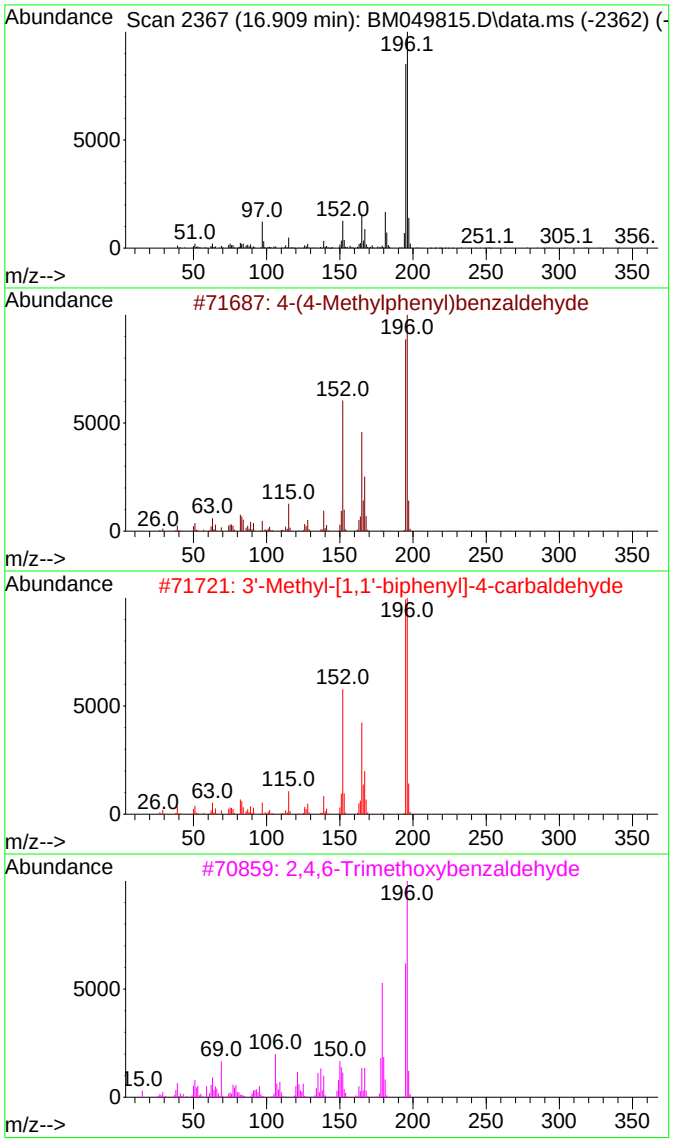
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

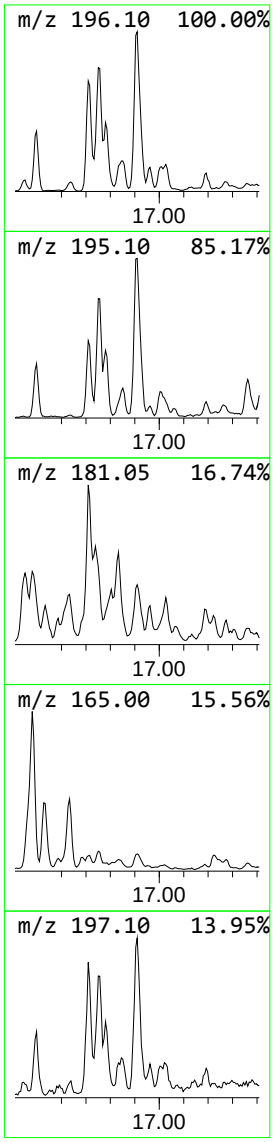
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.909	3.37 ng	720481	Phenanthrene-d10	17.174

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	2,4,6-Trimethoxybenzaldehyde	196	C10H12O4	000830-79-5	86
4	Methanone, (2-methylphenyl)phenyl-	196	C14H12O	000131-58-8	72
5	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	62





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040325\
Data File : BM049815.D
Acq On : 03 Apr 2025 21:09
Operator : RC/JU
Sample : Q1684-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SU-04-040125

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

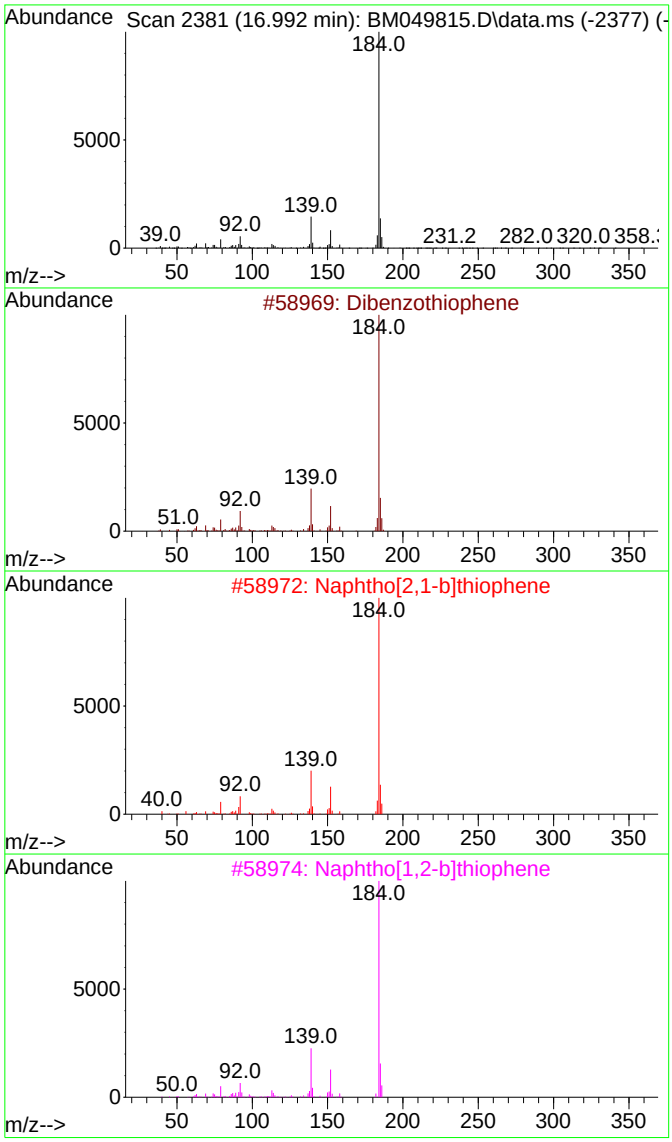
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

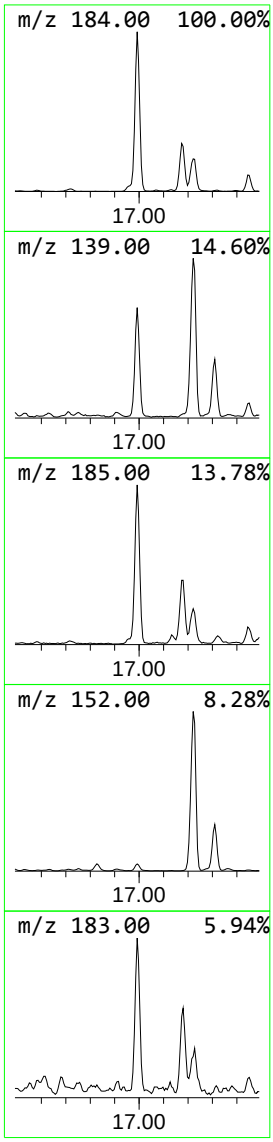
****

Peak Number 5 Dibenzothiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.992	9.05 ng	1935240	Phenanthrene-d10	17.174

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
5	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040325\
Data File : BM049815.D
Acq On : 03 Apr 2025 21:09
Operator : RC/JU
Sample : Q1684-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SU-04-040125

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.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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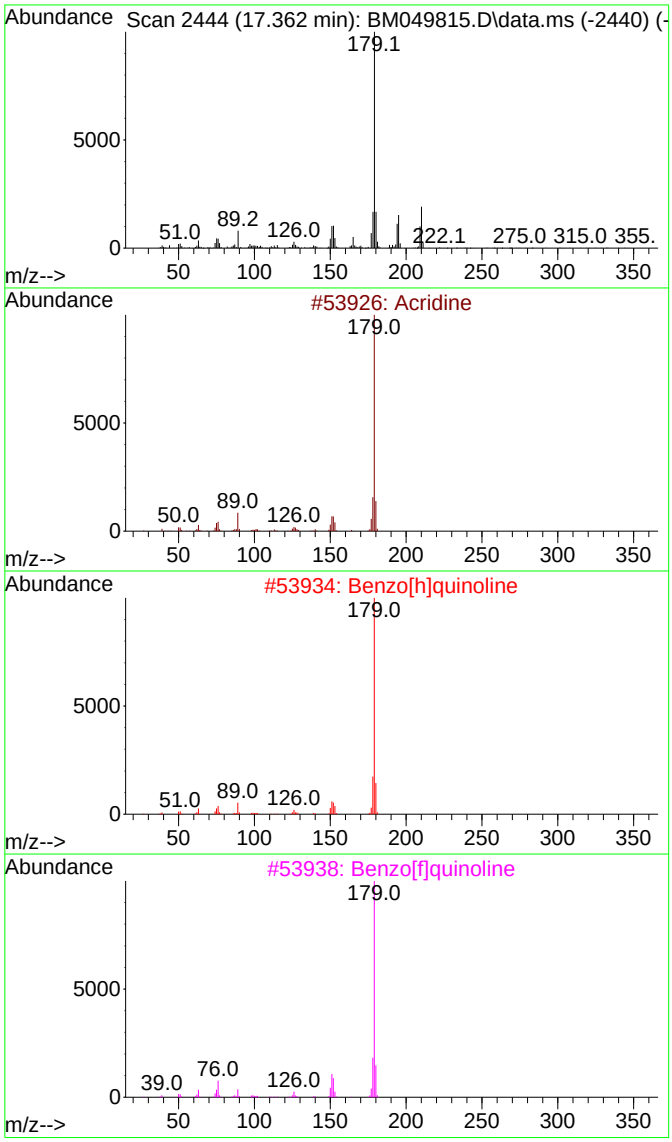
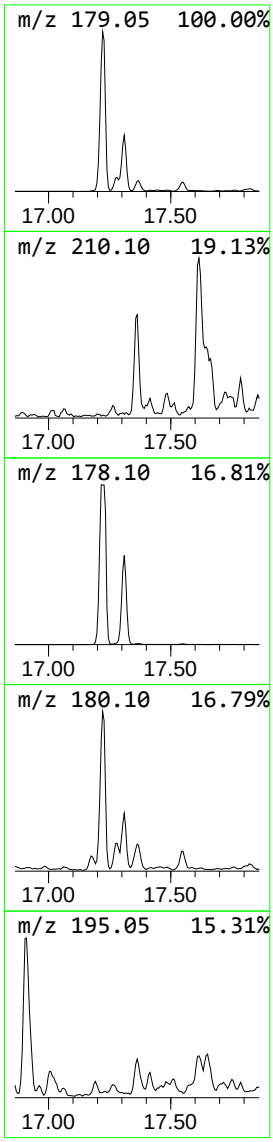
Peak Number 6 Acridine Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.362	3.46 ng	740622	Phenanthrene-d10	17.174

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridine	179	C13H9N	000260-94-6	95
2	Benzo[h]quinoline	179	C13H9N	000230-27-3	93
3	Benzo[f]quinoline	179	C13H9N	000085-02-9	86
4	Phenanthridine	179	C13H9N	000229-87-8	86
5	Benzo[g]quinoline	179	C13H9N	000260-36-6	70





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Acq On : 03 Apr 2025 21:09
Operator : RC/JU
Sample : Q1684-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SU-04-040125

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.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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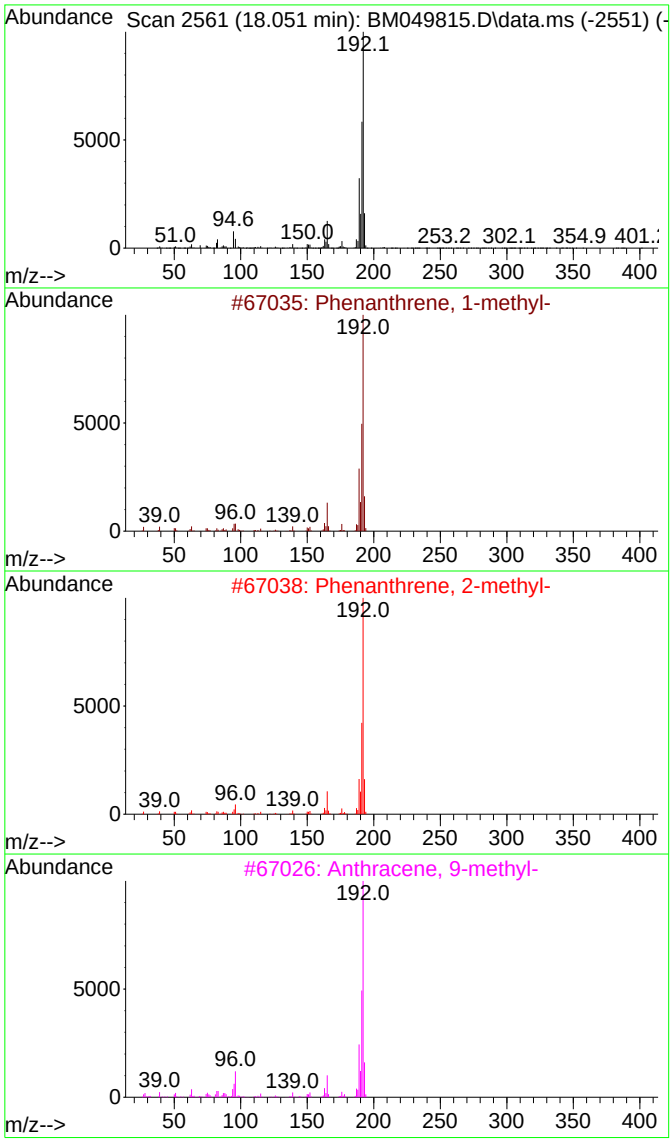
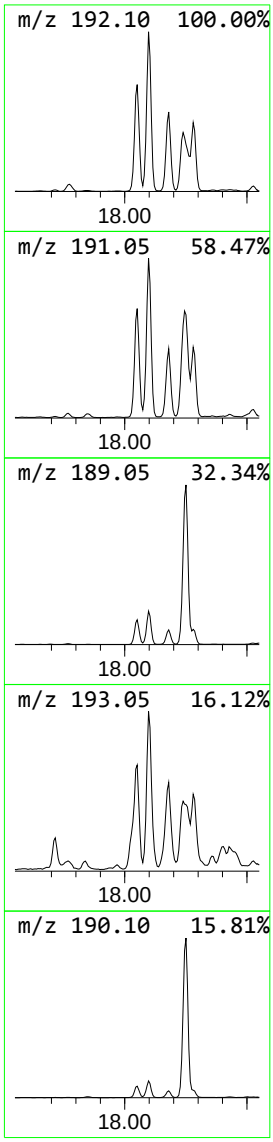
Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.051	17.51 ng	3744450	Phenanthrene-d10	17.174

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, 9-methyl-	192	C15H12	000779-02-2	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95





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Sample : Q1684-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SU-04-040125

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.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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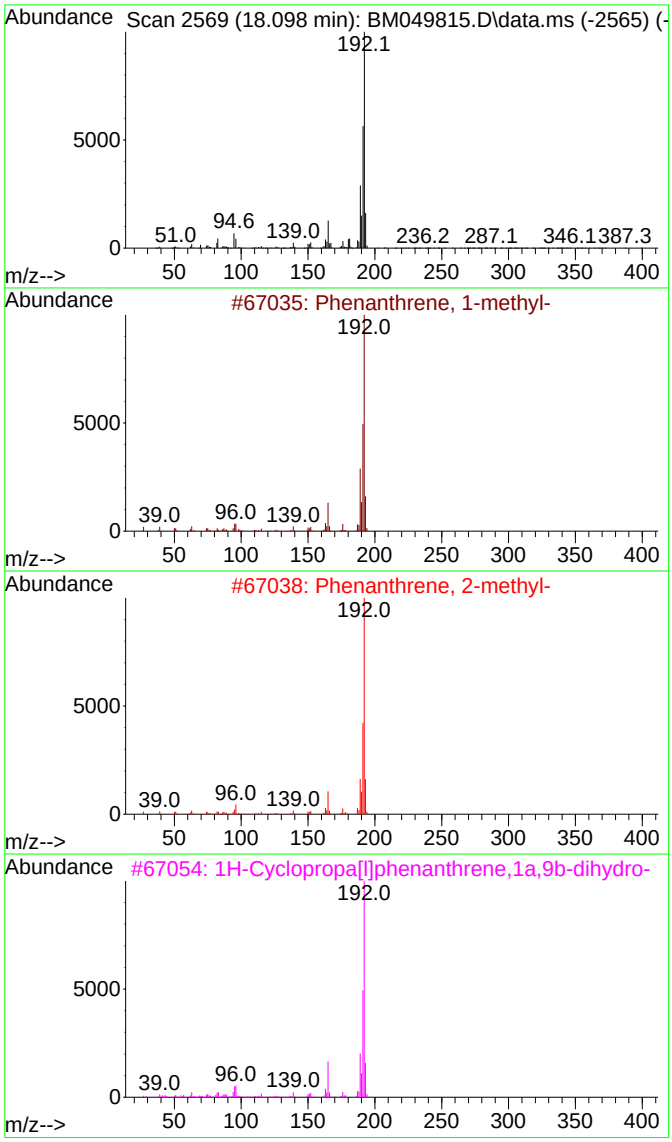
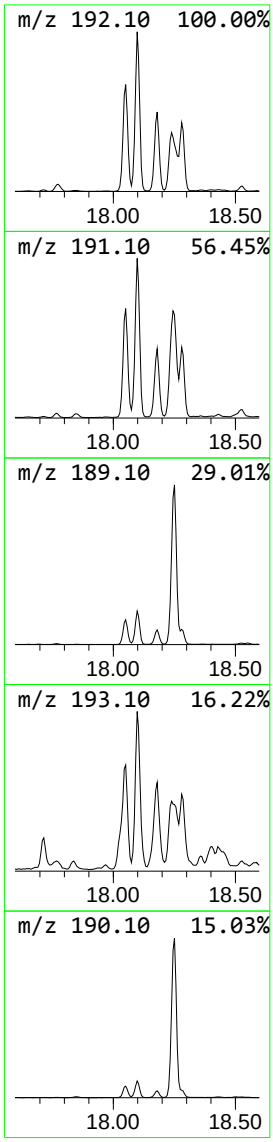
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.098	22.88 ng	4893350	Phenanthrene-d10	17.174

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	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





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Sample : Q1684-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SU-04-040125

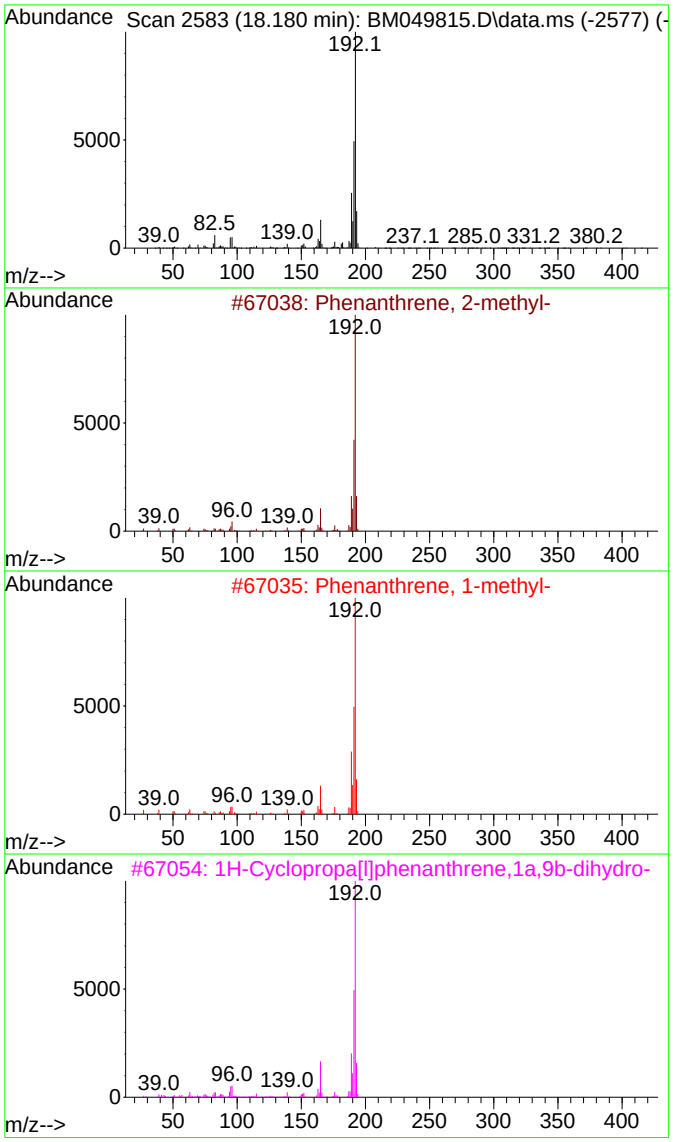
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

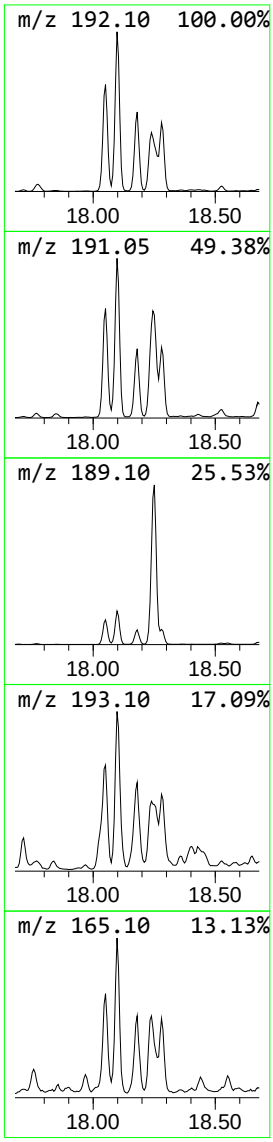
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 1H-Cyclopropa[l]phenanthren... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.180	10.50 ng	2245970	Phenanthrene-d10	17.174

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





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Acq On : 03 Apr 2025 21:09
Operator : RC/JU
Sample : Q1684-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SU-04-040125

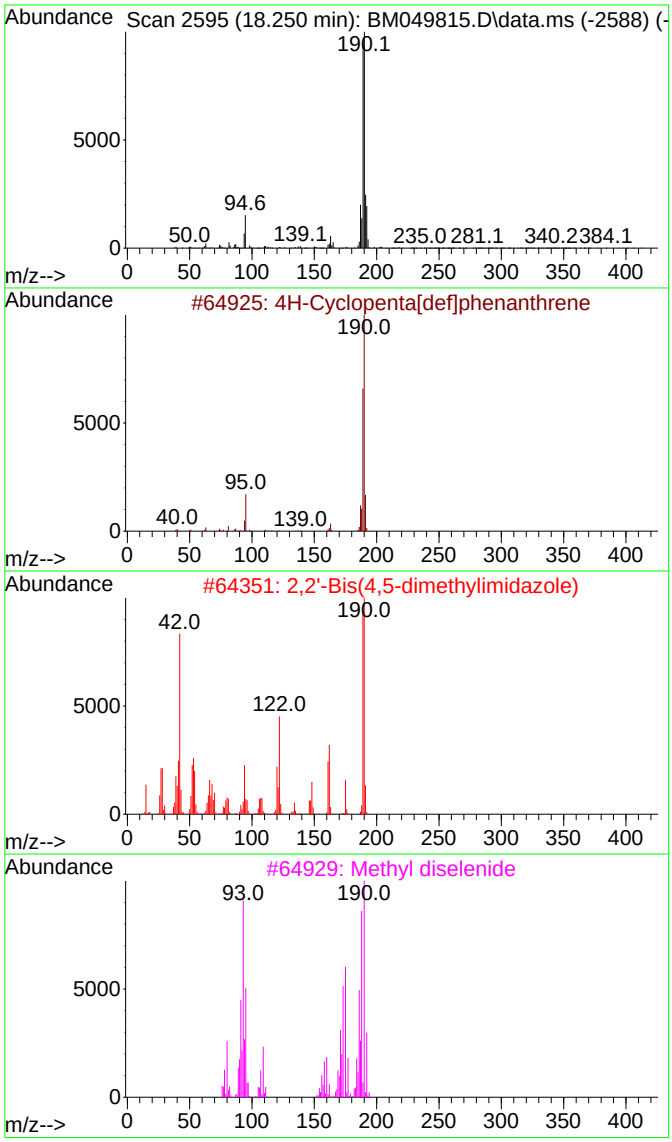
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

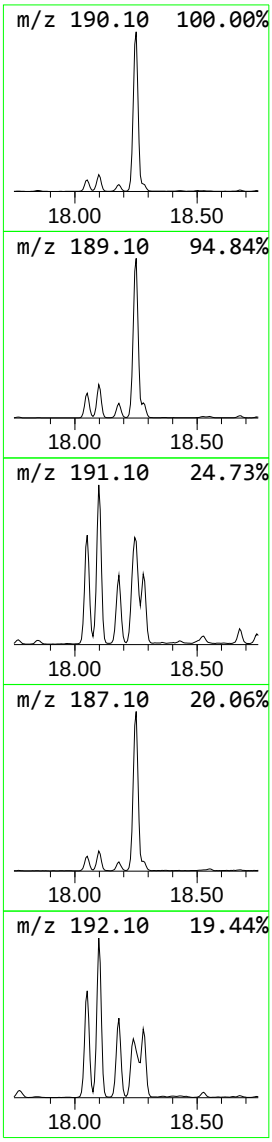
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.250	43.77 ng	9361280	Phenanthrene-d10	17.174

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
3	Methyl diselenide	190	C2H6Se2	007101-31-7	27
4	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25
5	2,4(1H,3H)-Pyrimidinedione, 5-br...	190	C4H3BrN2O2	000051-20-7	16





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Sample : Q1684-01 5X
Misc :
ALS Vial : 17 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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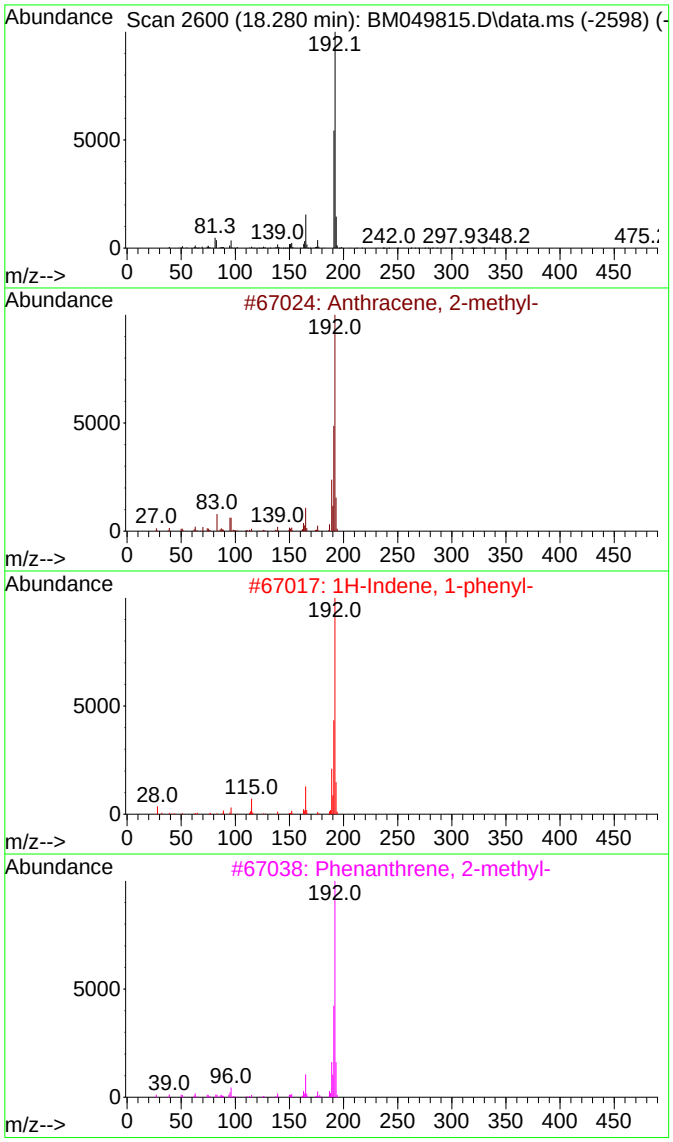
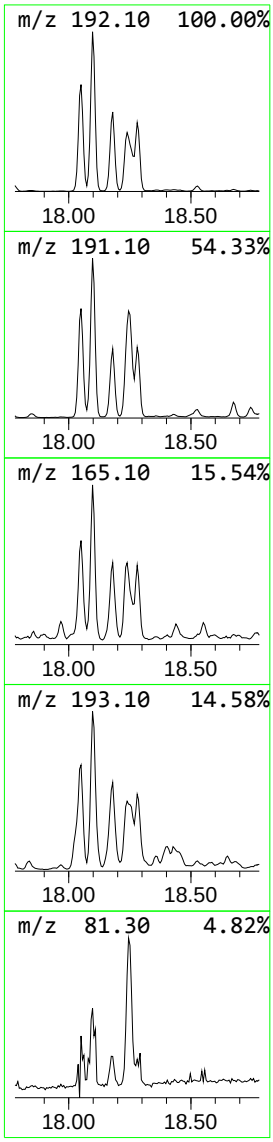
Peak Number 11 Anthracene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.280	8.24 ng	1763010	Phenanthrene-d10	17.174

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
2	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	91
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





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Acq On : 03 Apr 2025 21:09
Operator : RC/JU
Sample : Q1684-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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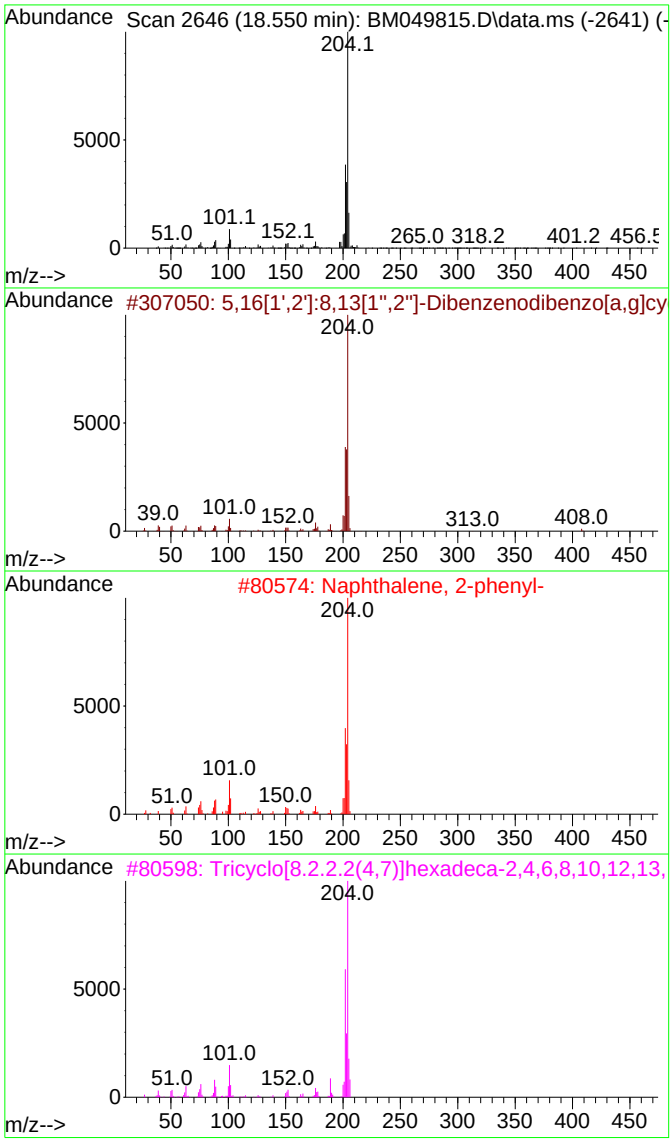
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

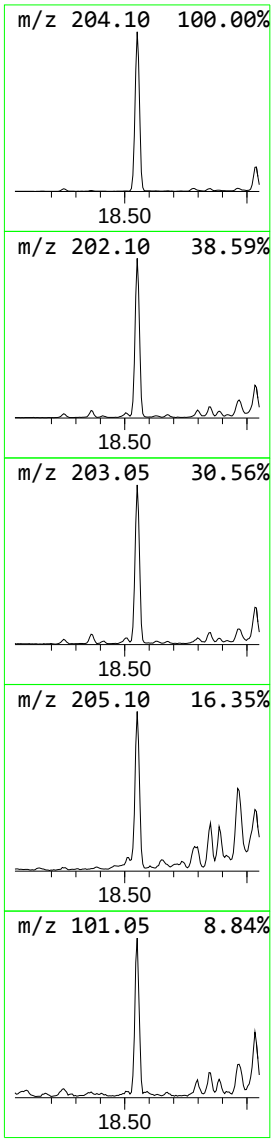
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.551	11.92 ng	2548530	Phenanthrene-d10	17.174

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	53
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	53
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	49





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Operator : RC/JU
Sample : Q1684-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.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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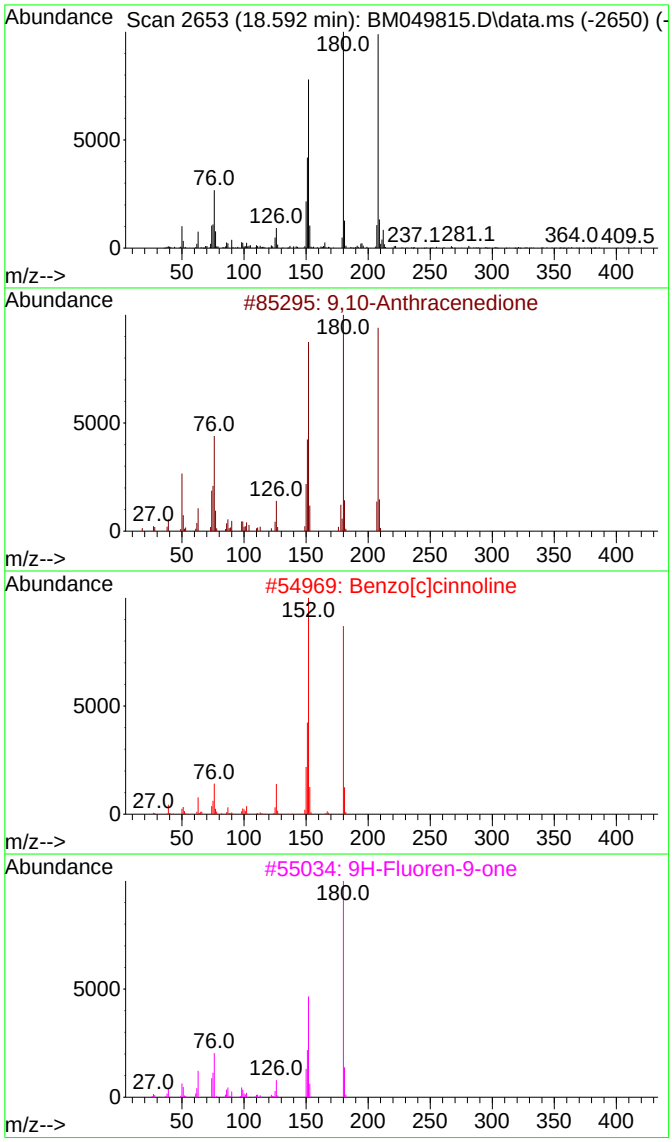
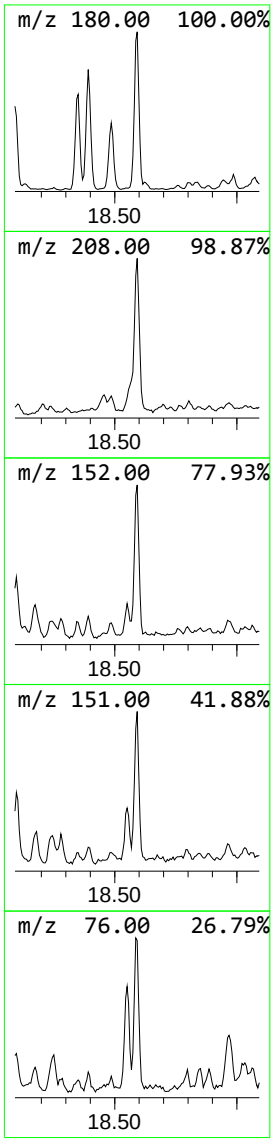
Peak Number 13 9,10-Anthracenedione Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.592	3.37 ng	720055	Phenanthrene-d10	17.174

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	62
4	1,4-Anthracenedione	208	C14H8O2	000635-12-1	60
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	49





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Operator : RC/JU
Sample : Q1684-01 5X
Misc :
ALS Vial : 17 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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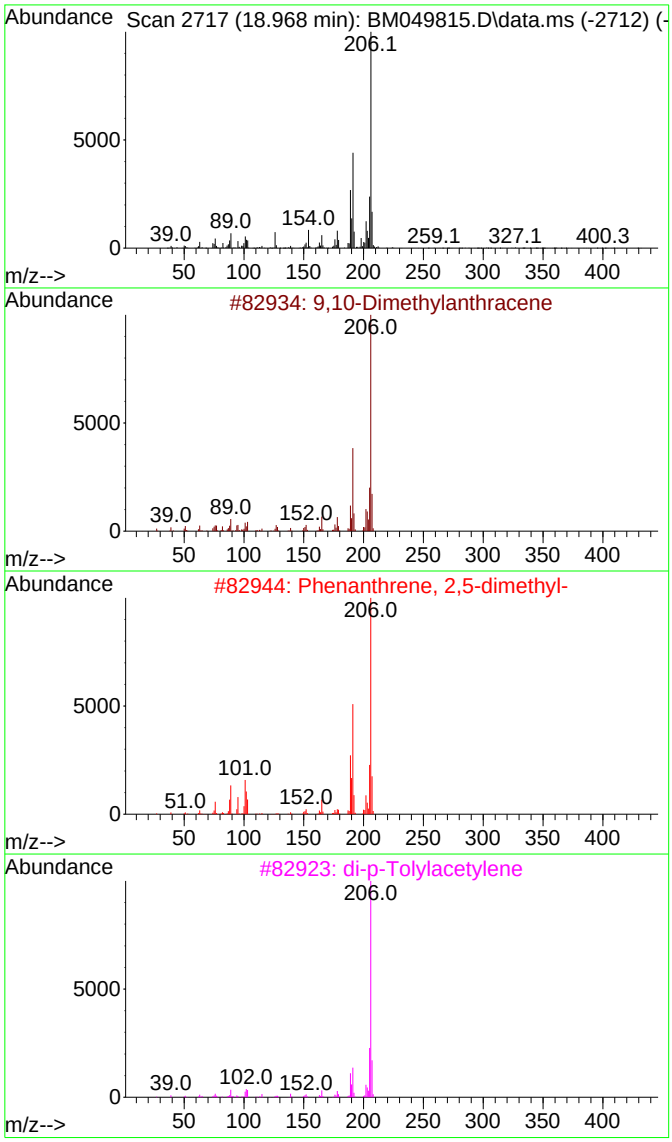
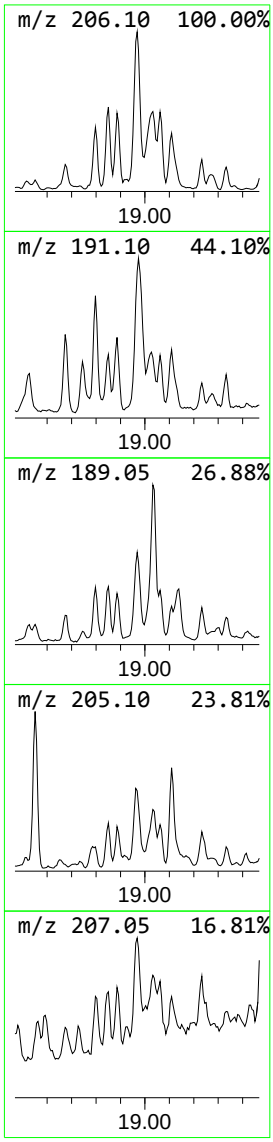
Peak Number 14 9,10-Dimethylanthracene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.968	7.53 ng	1611060	Phenanthrene-d10	17.174

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
5	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	90





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Sample : Q1684-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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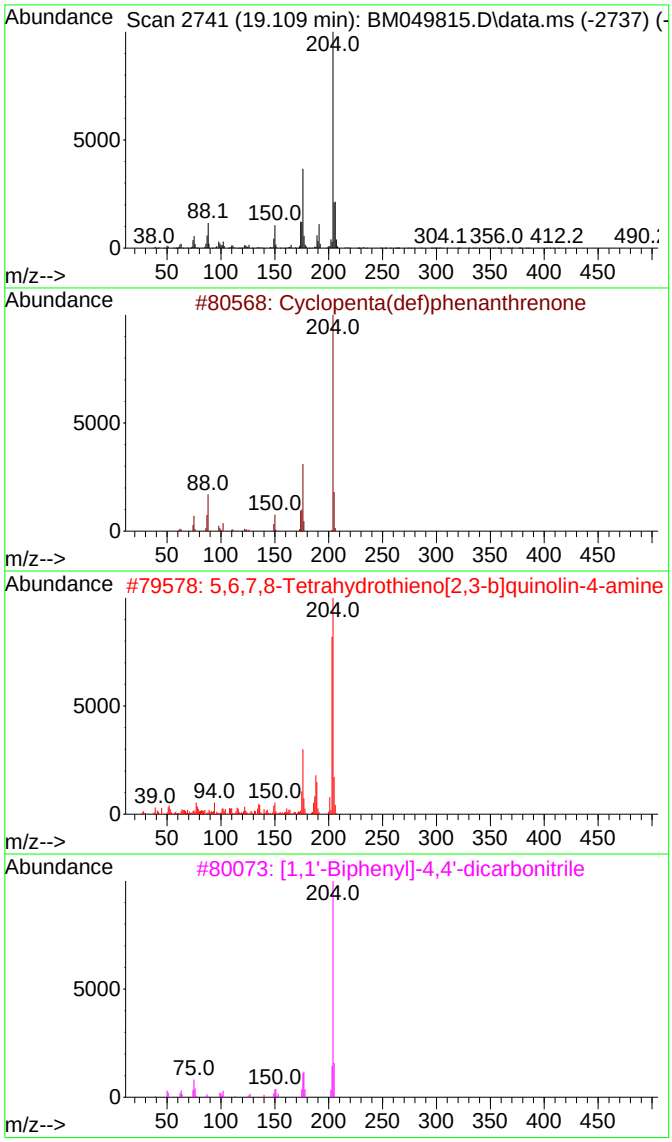
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

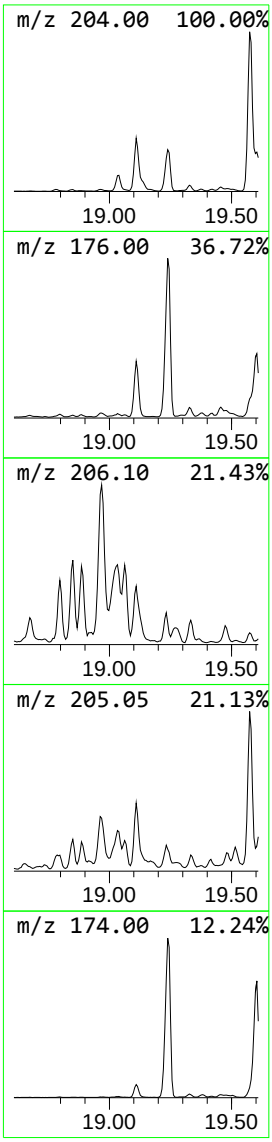
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.109	8.78 ng	1877910	Phenanthrene-d10	17.174

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	59
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47
5	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	47





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Sample : Q1684-01 5X
Misc :
ALS Vial : 17 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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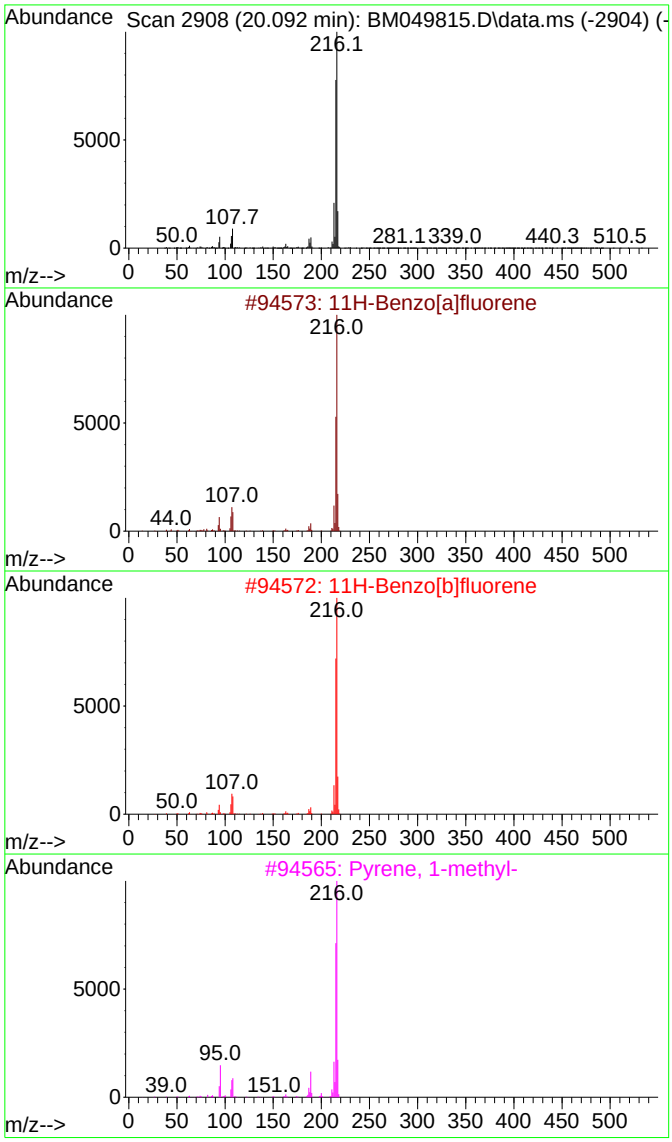
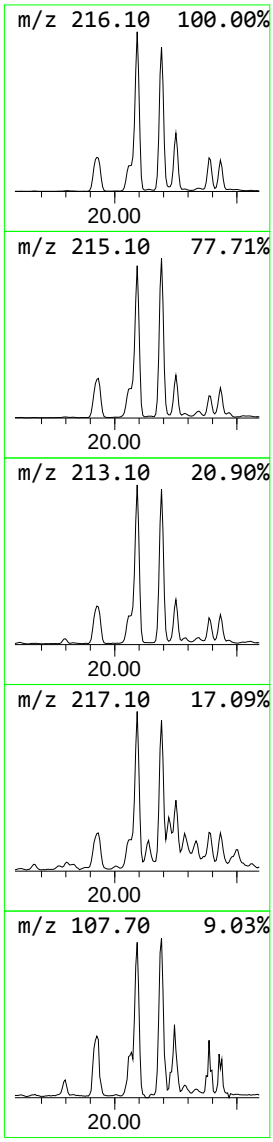
Peak Number 16 11H-Benzo[a]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.092	4.09 ng	8185500	Chrysene-d12	21.415

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	97
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	72





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Acq On : 03 Apr 2025 21:09
Operator : RC/JU
Sample : Q1684-01 5X
Misc :
ALS Vial : 17 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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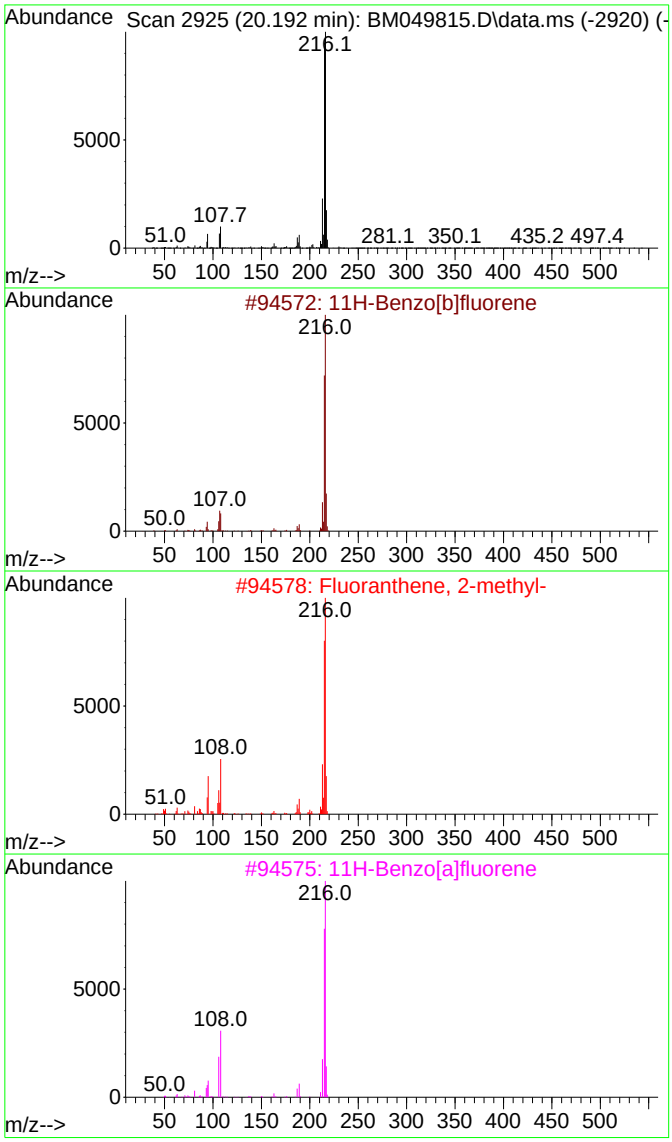
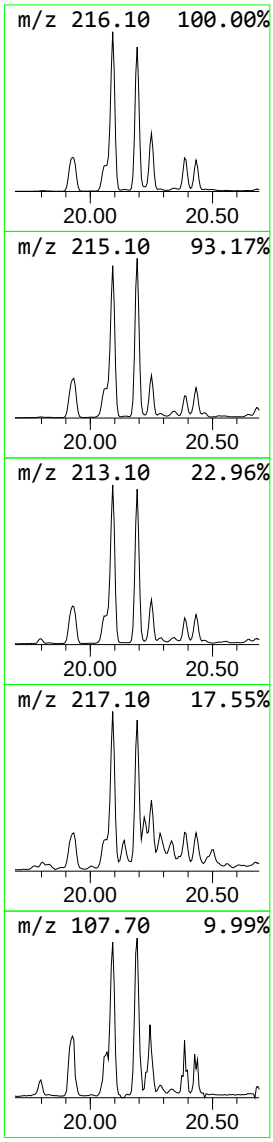
Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.192	3.94 ng	7875460	Chrysene-d12	21.415

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040325\
Data File : BM049815.D
Acq On : 03 Apr 2025 21:09
Operator : RC/JU
Sample : Q1684-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SU-04-040125

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.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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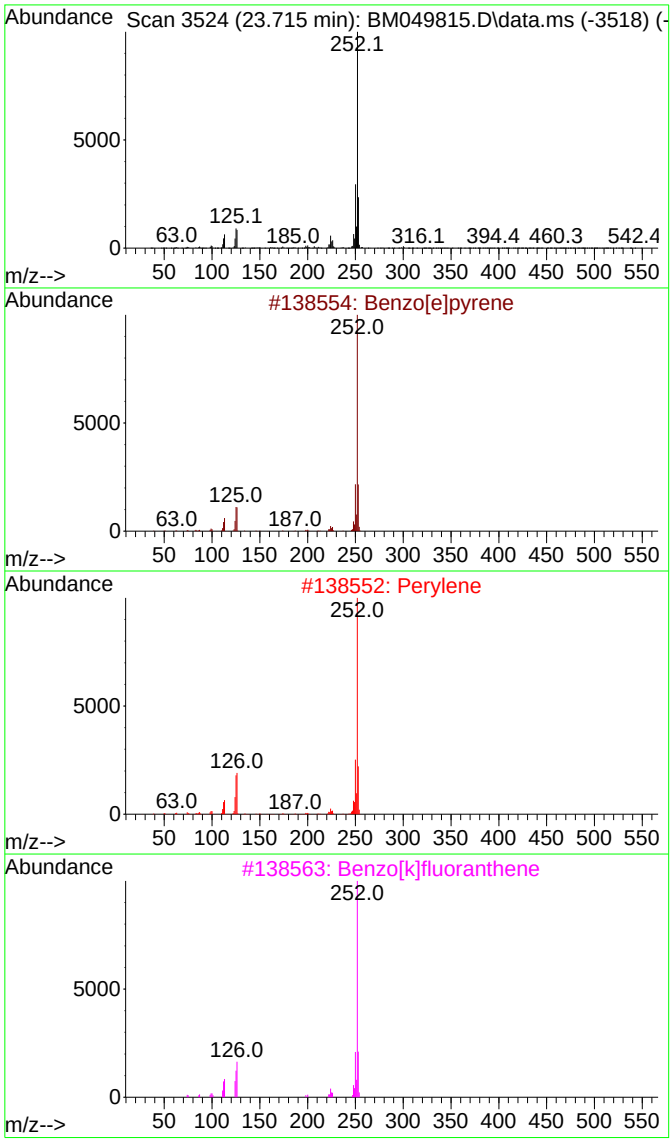
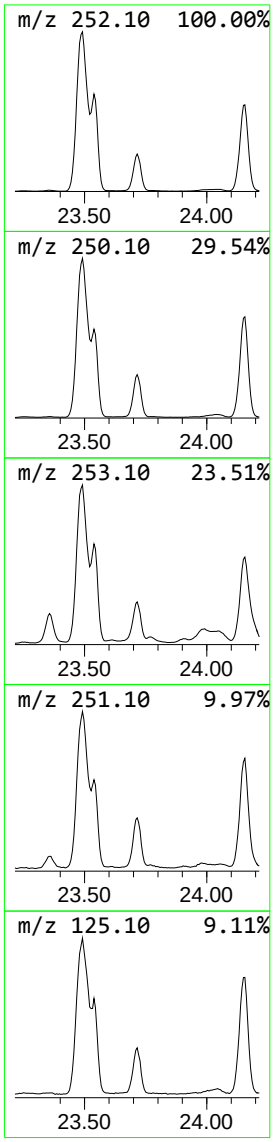
Peak Number 18 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.715	20.72 ng	5986450	Perylene-d12	24.427

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Perylene	252	C20H12	000198-55-0	94
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040325\
Data File : BM049815.D
Acq On : 03 Apr 2025 21:09
Operator : RC/JU
Sample : Q1684-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SU-04-040125

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.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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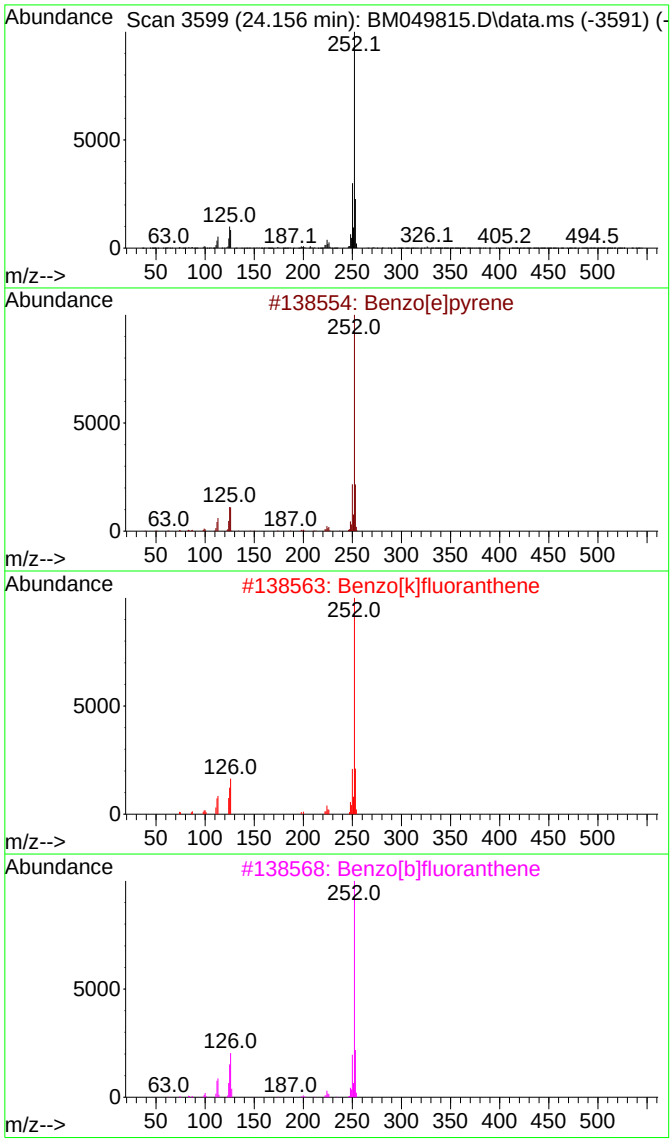
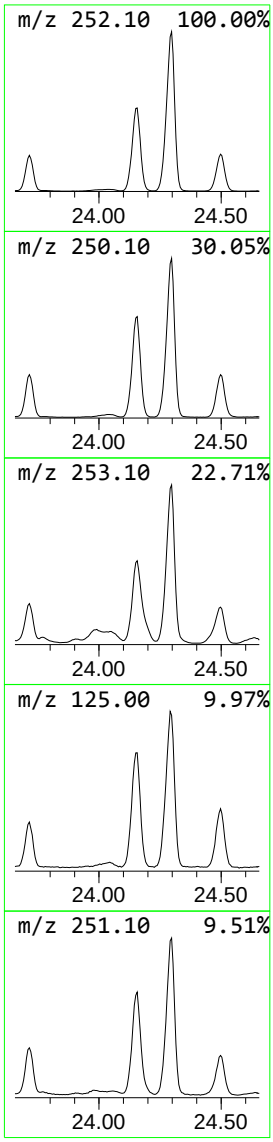
Peak Number 19 Benzo[j]fluoranthene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.156	56.48 ng	16320600	Perylene-d12	24.427

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94
5	Perylene	252	C20H12	000198-55-0	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040325\
Data File : BM049815.D
Acq On : 03 Apr 2025 21:09
Operator : RC/JU
Sample : Q1684-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SU-04-040125

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.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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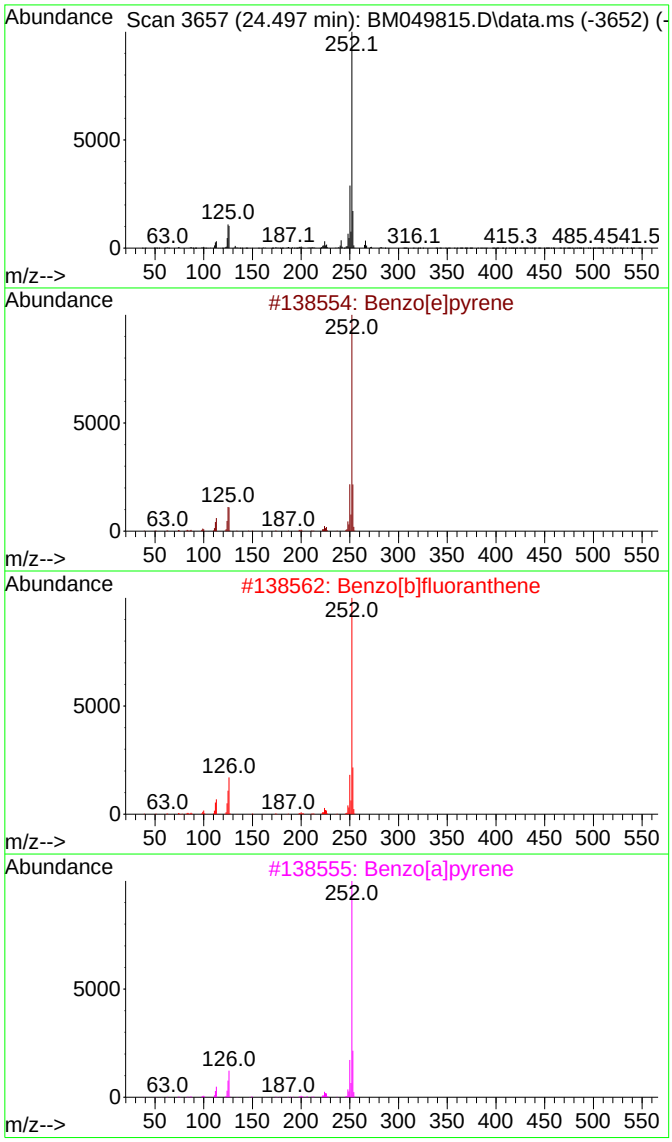
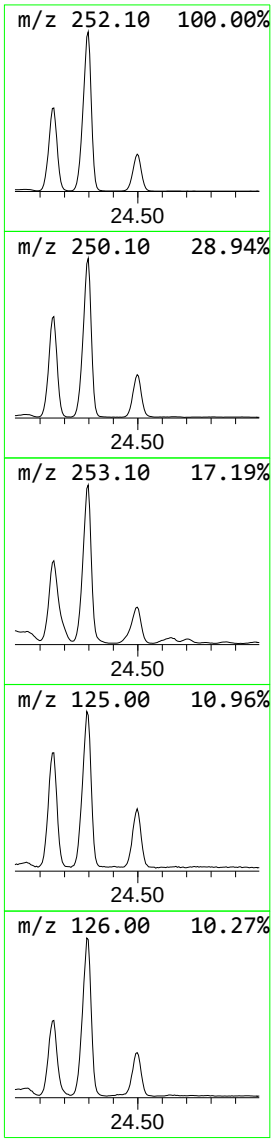
Peak Number 20 unknown24.497 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.497	27.68 ng	7997180	Perylene-d12	24.427

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	90
2	Benzo[b]fluoranthene	252	C20H12	000205-99-2	90
3	Benzo[a]pyrene	252	C20H12	000050-32-8	90
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	76





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040325\
Data File : BM049815.D
Acq On : 03 Apr 2025 21:09
Operator : RC/JU
Sample : Q1684-01 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SU-04-040125

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.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
Naphthalene, 1,...	13.751	5.0	ng	1015610	3	14.433	4082750	20.0
Dibenzofuran, 4...	15.774	9.1	ng	1858630	3	14.433	4082750	20.0
9H-Fluorene, 1-...	16.480	7.5	ng	1605660	4	17.174	4277690	20.0
4-(4-Methylphen...	16.909	3.4	ng	720481	4	17.174	4277690	20.0
Dibenzothiophene	16.992	9.1	ng	1935240	4	17.174	4277690	20.0
Acridine	17.362	3.5	ng	740622	4	17.174	4277690	20.0
Phenanthrene, 1...	18.051	17.5	ng	3744450	4	17.174	4277690	20.0
Phenanthrene, 2...	18.098	22.9	ng	4893350	4	17.174	4277690	20.0
1H-Cyclopropa[l...	18.180	10.5	ng	2245970	4	17.174	4277690	20.0
4H-Cyclopenta[d...	18.250	43.8	ng	9361280	4	17.174	4277690	20.0
Anthracene, 2-m...	18.280	8.2	ng	1763010	4	17.174	4277690	20.0
5,16[1',2']:8,1...	18.551	11.9	ng	2548530	4	17.174	4277690	20.0
9,10-Anthracene...	18.592	3.4	ng	720055	4	17.174	4277690	20.0
9,10-Dimethylan...	18.968	7.5	ng	1611060	4	17.174	4277690	20.0
Cyclopenta(def)...	19.109	8.8	ng	1877910	4	17.174	4277690	20.0
11H-Benzo[a]flu...	20.092	4.1	ng	8185500	5	21.415	40004200	20.0
11H-Benzo[b]flu...	20.192	3.9	ng	7875460	5	21.415	40004200	20.0
Benzo[e]pyrene	23.715	20.7	ng	5986450	6	24.427	5779130	20.0
Benzo[j]fluoran...	24.156	56.5	ng	16320600	6	24.427	5779130	20.0
unknown24.497	24.497	27.7	ng	7997180	6	24.427	5779130	20.0