LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041825\
Data File : BM049976.D
Acq On : 18 Apr 2025 21:41
Operator : RC/JU
Sample : Q1832-31 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-6

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-BM040825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM049976.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.769	805	813	821	rBV	1942537	3012661	2.43%	0.205%
2	10.563	1279	1288	1293	rBV	2393480	4023531	3.24%	0.274%
3	13.033	1702	1708	1714	rVB	925395	1344489	1.08%	0.092%
4	13.733	1821	1827	1832	rBV	1199301	2009121	1.62%	0.137%
5	14.139	1887	1896	1912	rBV	3147906	5716893	4.61%	0.390%
6	14.416	1931	1943	1948	rBV	3479664	5597756	4.51%	0.382%
7	14.480	1948	1954	1962	rVB	3878070	5667266	4.57%	0.386%
8	14.816	2005	2011	2019	rVV	4034330	5837463	4.70%	0.398%
9	15.033	2040	2048	2053	rBV2	635941	1262095	1.02%	0.086%
10	15.468	2115	2122	2133	rVB	10447155	15521724	12.51%	1.058%
11	15.757	2167	2171	2186	rVB	2968576	4744701	3.82%	0.323%
12	15.904	2187	2196	2204	rVV	3362740	6968323	5.61%	0.475%
13	16.139	2231	2236	2248	rVB2	1005962	1773738	1.43%	0.121%
14	16.468	2282	2292	2297	rBV2	2826890	5393353	4.35%	0.368%
15	16.515	2297	2300	2306	rVB	1096004	1545784	1.25%	0.105%
16	16.615	2312	2317	2323	rVB3	980716	1650626	1.33%	0.112%
17	16.698	2327	2331	2334	rVV	1635869	2410761	1.94%	0.164%
18	16.739	2334	2338	2341	rVV	1934000	2826572	2.28%	0.193%
19	16.821	2347	2352	2359	rVV2	1503196	2638110	2.13%	0.180%
20	16.892	2359	2364	2372	rVV	1747538	3634813	2.93%	0.248%
21	16.980	2374	2379	2389	rVB	3389688	5357652	4.32%	0.365%
22	17.168	2405	2411	2413	rBV	2855109	4567834	3.68%	0.311%
23	17.221	2413	2420	2425	rVV2	38078061	74108918	59.72%	5.051%
24	17.304	2425	2434	2439	rVV2	25399939	37773926	30.44%	2.574%
25	17.351	2439	2442	2448	rVB3	1255518	2227462	1.79%	0.152%
26	17.568	2474	2479	2482	rBV	2412646	3247308	2.62%	0.221%
27	17.598	2482	2484	2492	rVV	713008	1337260	1.08%	0.091%
28	17.680	2492	2498	2504	rVV	2015492	2997884	2.42%	0.204%
29	17.745	2504	2509	2517	rVB5	1522274	2892200	2.33%	0.197%
30	17.880	2529	2532	2538	rVB	778172	1293491	1.04%	0.088%
31	18.039	2549	2559	2563	rBV	9932919	14128891	11.38%	0.963%
32	18.092	2563	2568	2573	rVB	13426023	18080166	14.57%	1.232%
33	18.174	2576	2582	2587	rBV	6137170	8659872	6.98%	0.590%
34	18.239	2587	2593	2597	rVV3	17336621	30612597	24.67%	2.086%
35	18.274	2597	2599	2606	rVB	6249758	6743844	5.43%	0.460%
36	18.539	2639	2644	2649	rVV	7359686	9592248	7.73%	0.654%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041825\
Data File : BM049976.D
Acq On : 18 Apr 2025 21:41
Operator : RC/JU
Sample : Q1832-31 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-6

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-BM040825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	18.592	2649	2653	2661	rVB	2513659	3371154	2.72%	0.230%
38	18.786	2679	2686	2691	rBV	1853564	2872038	2.31%	0.196%
39	18.839	2691	2695	2698	rVV	2346700	2843739	2.29%	0.194%
40	18.880	2698	2702	2706	rVB	1711450	2245055	1.81%	0.153%
41	18.962	2710	2716	2720	rVV	3992428	7221788	5.82%	0.492%
42	19.027	2723	2727	2730	rVV3	3096900	5208209	4.20%	0.355%
43	19.056	2730	2732	2735	rVV	1702548	1790686	1.44%	0.122%
44	19.115	2735	2742	2749	rVB2	4281343	7950261	6.41%	0.542%
45	19.251	2755	2765	2769	rBV2	44237420	110089234	88.71%	7.503%
46	19.292	2769	2772	2775	rVV	1508420	1694043	1.37%	0.115%
47	19.327	2775	2778	2782	rVB	2302461	2798661	2.26%	0.191%
48	19.380	2782	2787	2791	rBV	2221910	2994323	2.41%	0.204%
49	19.433	2791	2796	2798	rBV2	913198	1714401	1.38%	0.117%
50	19.468	2798	2802	2806	rBV	2399786	3204256	2.58%	0.218%
51	19.609	2814	2826	2831	rBV4	43727349	124103324	100.00%	8.458%
52	19.662	2831	2835	2842	rVB2	5081805	7355820	5.93%	0.501%
53	19.768	2848	2853	2859	rBV	7423833	10599564	8.54%	0.722%
54	19.833	2859	2864	2869	rVB2	2453191	3957585	3.19%	0.270%
55	19.927	2871	2880	2884	rBV2	7268041	18122800	14.60%	1.235%
56	20.050	2895	2901	2903	rBV4	5236595	9030718	7.28%	0.615%
57	20.092	2903	2908	2912	rVB	21724275	30245796	24.37%	2.061%
58	20.186	2919	2924	2928	rBV	19702413	25780291	20.77%	1.757%
59	20.245	2928	2934	2938	rVV2	9518737	15704402	12.65%	1.070%
60	20.286	2938	2941	2944	rVB	1247394	1416127	1.14%	0.097%
61	20.321	2944	2947	2952	rBV3	2010316	3223897	2.60%	0.220%
62	20.386	2954	2958	2961	rBV	4133397	5147301	4.15%	0.351%
63	20.427	2961	2965	2969	rVB	4548935	5985222	4.82%	0.408%
64	20.545	2982	2985	2989	rVB	1686682	2054259	1.66%	0.140%
65	20.639	2997	3001	3003	rBV2	1346809	1985824	1.60%	0.135%
66	20.674	3004	3007	3010	rVV	2607940	3983768	3.21%	0.272%
67	20.703	3010	3012	3016	rVB	2558408	2918888	2.35%	0.199%
68	20.792	3023	3027	3031	rBV	2752329	4737006	3.82%	0.323%
69	20.839	3031	3035	3042	rVV	7126603	11152451	8.99%	0.760%
70	21.009	3058	3064	3068	rBV2	9323894	15545521	12.53%	1.059%
71	21.050	3068	3071	3075	rVV	9392742	12418022	10.01%	0.846%
72	21.097	3075	3079	3084	rVV2	8630613	14559326	11.73%	0.992%
73	21.162	3084	3090	3100	rVB2	6402305	10916763	8.80%	0.744%
74	21.274	3106	3109	3117	rVB	2131110	3273729	2.64%	0.223%
75	21.409	3121	3132	3136	rVV4	42774975	96584172	77.83%	6.583%
76	21.474	3137	3143	3152	rVB2	39203156	73948994	59.59%	5.040%

LSC Area Percent Report

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Acq On : 18 Apr 2025 21:41
Operator : RC/JU
Sample : Q1832-31 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-6

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

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Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	21.603	3160	3165	3171	rBV	9261286	15536361	12.52%	1.059%
78	21.662	3171	3175	3180	rVV	5051518	9316163	7.51%	0.635%
79	21.733	3184	3187	3192	rVB	5436675	8164067	6.58%	0.556%
80	21.797	3192	3198	3204	rBV2	6075998	11267573	9.08%	0.768%
81	21.856	3205	3208	3213	rVB3	1617979	2483353	2.00%	0.169%
82	22.021	3232	3236	3241	rBV2	2770365	5039408	4.06%	0.343%
83	22.103	3241	3250	3254	rVV	8522656	18569683	14.96%	1.266%
84	22.168	3256	3261	3268	rVB	4723971	8489082	6.84%	0.579%
85	22.303	3279	3284	3288	rVV2	3423871	5767526	4.65%	0.393%
86	22.356	3288	3293	3297	rVV	4792338	8822417	7.11%	0.601%
87	22.403	3297	3301	3308	rVB3	5263175	9871569	7.95%	0.673%
88	22.480	3309	3314	3321	rVB3	3032255	6140831	4.95%	0.419%
89	22.750	3355	3360	3364	rBV4	1317161	2794913	2.25%	0.190%
90	23.133	3419	3425	3432	rVB3	2360767	5552656	4.47%	0.378%
91	23.509	3476	3489	3494	rBV2	27178565	93324143	75.20%	6.360%
92	23.556	3495	3497	3503	rVB	19372055	27678622	22.30%	1.886%
93	23.727	3519	3526	3533	rVB	7126974	15195470	12.24%	1.036%
94	23.909	3552	3557	3560	rBV2	1751922	3808651	3.07%	0.260%
95	24.168	3592	3601	3613	rVB	16828029	47692914	38.43%	3.250%
96	24.321	3614	3627	3635	rBV2	25610660	72120770	58.11%	4.915%
97	24.515	3652	3660	3673	rVB2	8287742	25725685	20.73%	1.753%
98	25.709	3858	3863	3874	rVB3	1942642	5455148	4.40%	0.372%
99	27.897	4219	4235	4248	rVB3	9961247	47989987	38.67%	3.271%
100	28.962	4404	4416	4437	rVB	6898255	32528680	26.21%	2.217%

Sum of corrected areas: 1467286423

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041825\
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Sample : Q1832-31 10X
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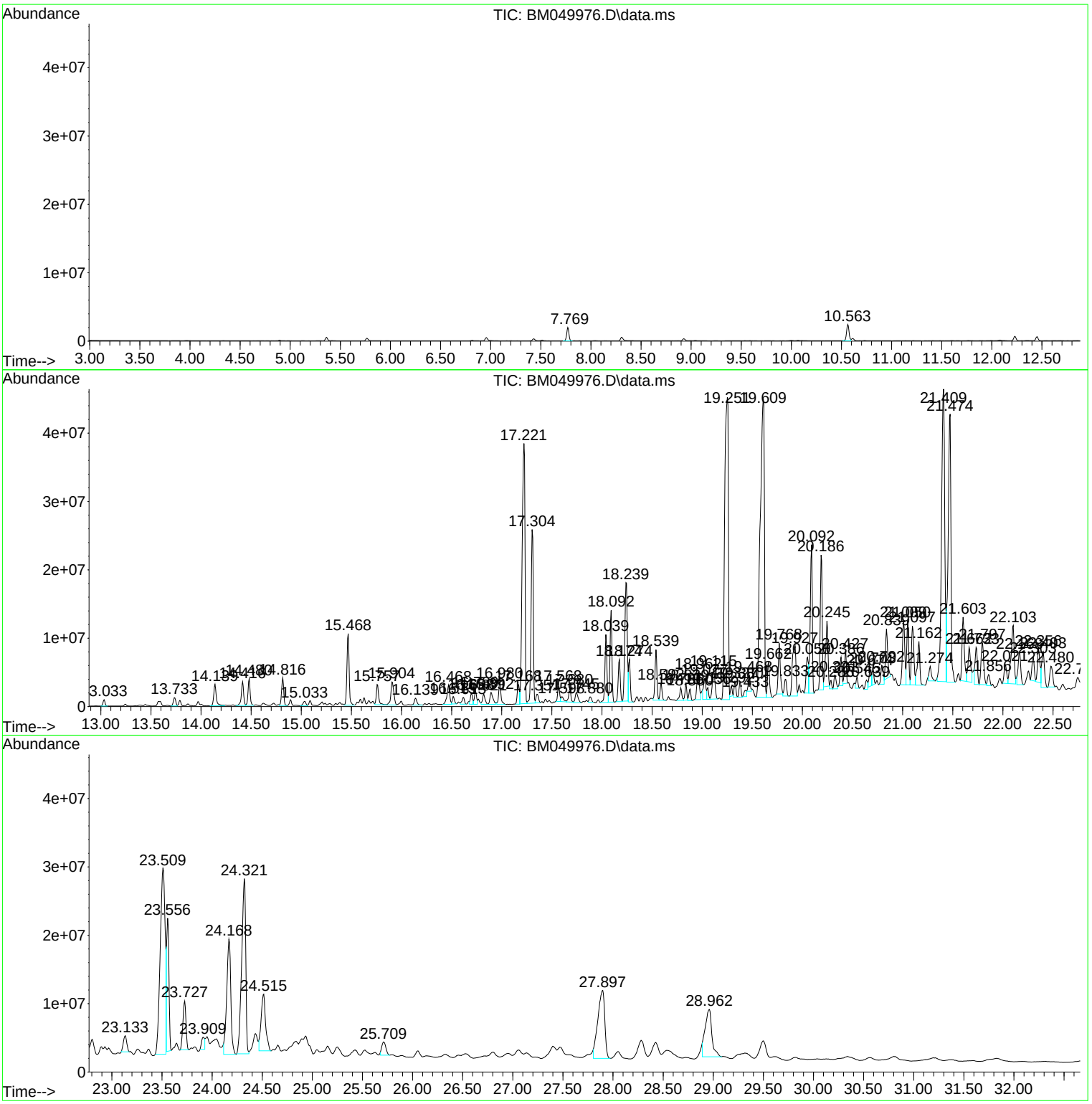
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-6

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.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\BM041825\
Data File : BM049976.D
Acq On : 18 Apr 2025 21:41
Operator : RC/JU
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Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-6

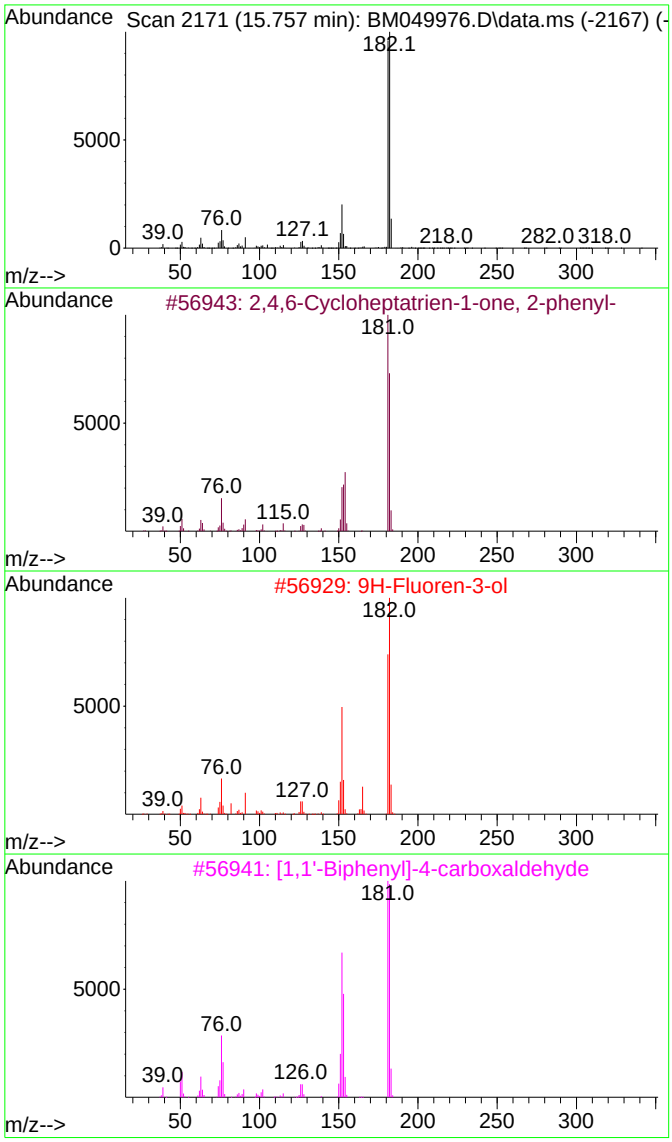
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

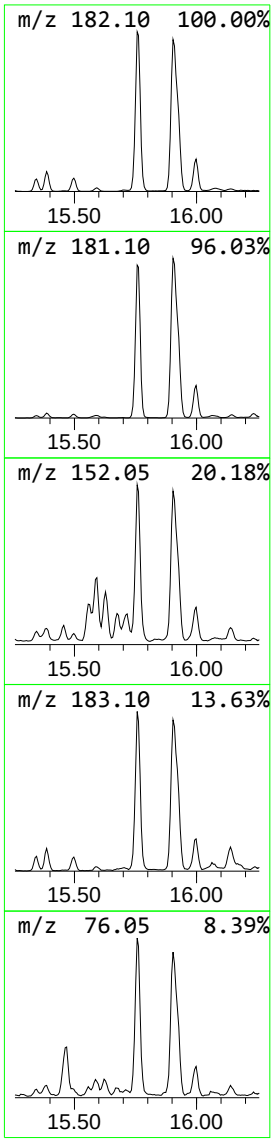
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2,4,6-Cycloheptatrien-1-one... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.757	16.95 ng	4744700	Acenaphthene-d10	14.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	91
2	9H-Fluoren-3-ol	182	C13H10O	006344-67-8	90
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	83
5	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041825\
Data File : BM049976.D
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Operator : RC/JU
Sample : Q1832-31 10X
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ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-6

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

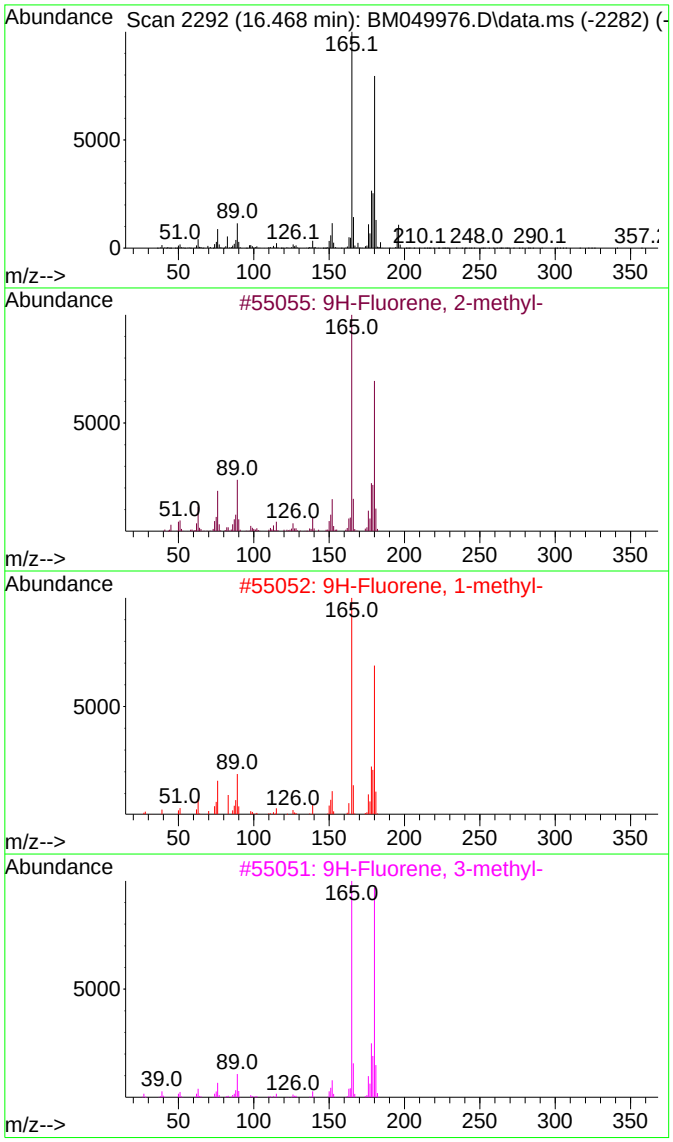
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

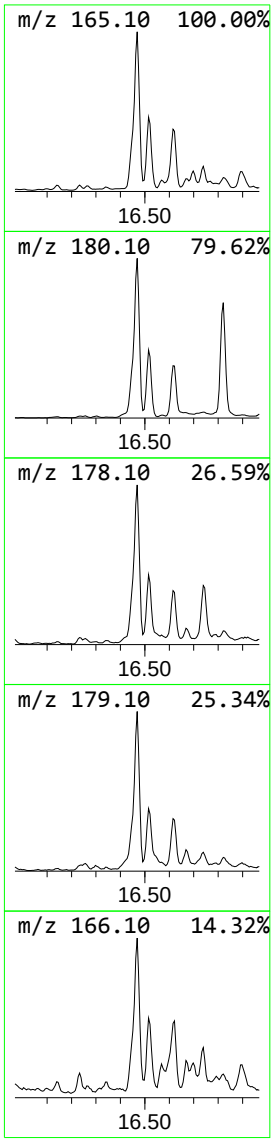
****

Peak Number 2 9H-Fluorene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.468	23.61 ng	5393350	Phenanthrene-d10	17.168

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





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Instrument :
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ClientSampleId :
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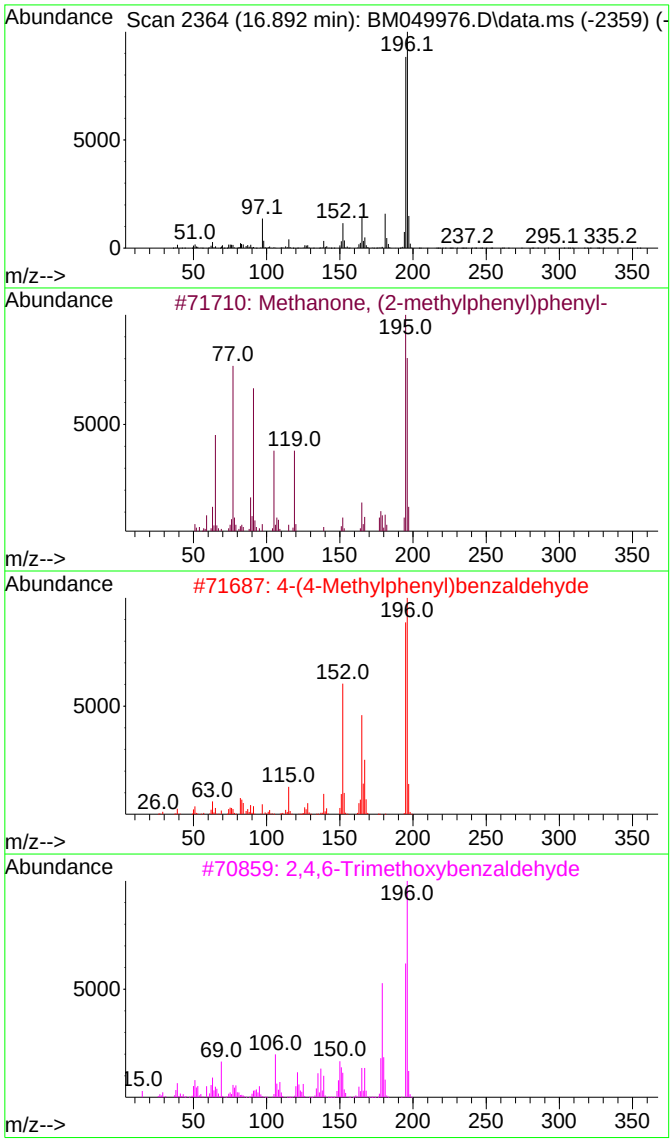
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

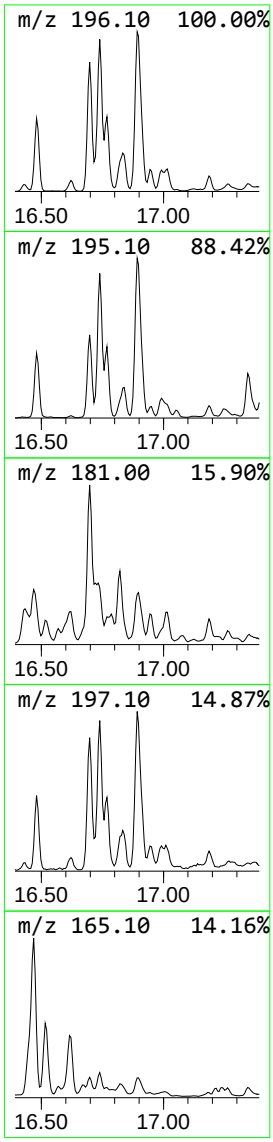
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Methanone, (2-methylphenyl)... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.892	15.91 ng	3634810	Phenanthrene-d10	17.168

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methanone, (2-methylphenyl)phenyl-	196	C14H12O	000131-58-8	90
2	4-(4-Methylphenyl)benzaldehyde	196	C14H12O	036393-42-7	87
3	2,4,6-Trimethoxybenzaldehyde	196	C10H12O4	000830-79-5	86
4	3'-Methyl-[1,1'-biphenyl]-4-carb...	196	C14H12O	400744-83-4	80
5	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041825\
Data File : BM049976.D
Acq On : 18 Apr 2025 21:41
Operator : RC/JU
Sample : Q1832-31 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-6

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

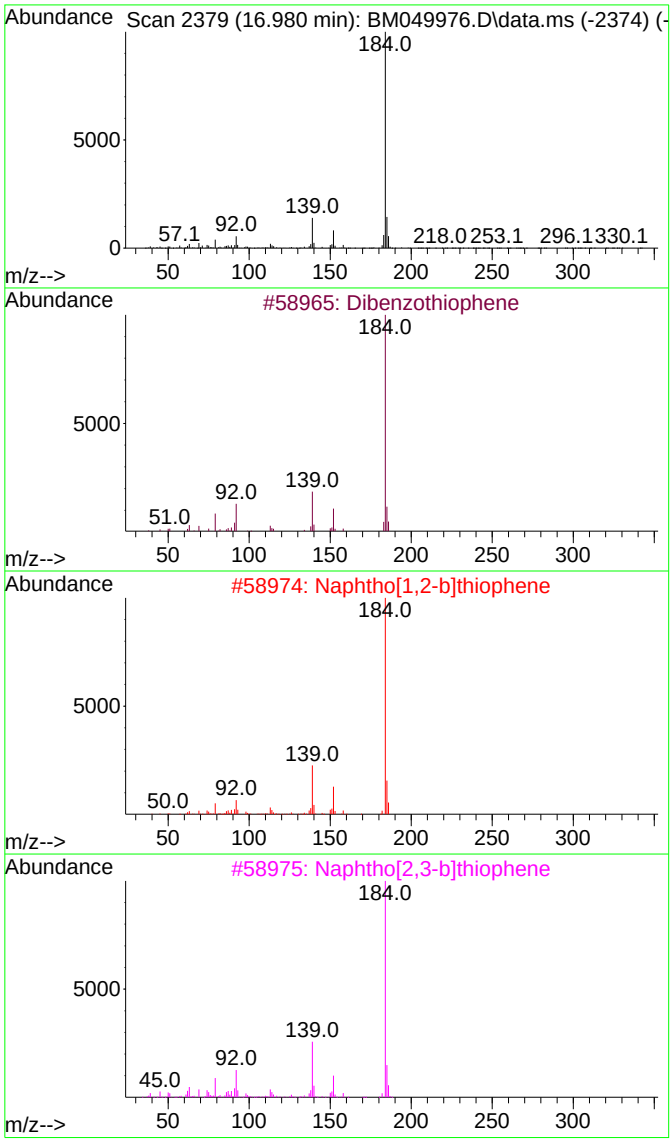
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

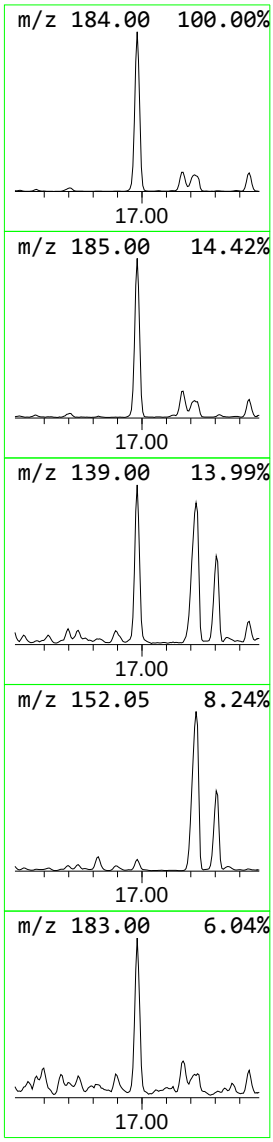
****

Peak Number 4 Dibenzothiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.980	23.46 ng	5357650	Phenanthrene-d10	17.168

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





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041825\
Data File : BM049976.D
Acq On : 18 Apr 2025 21:41
Operator : RC/JU
Sample : Q1832-31 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-6

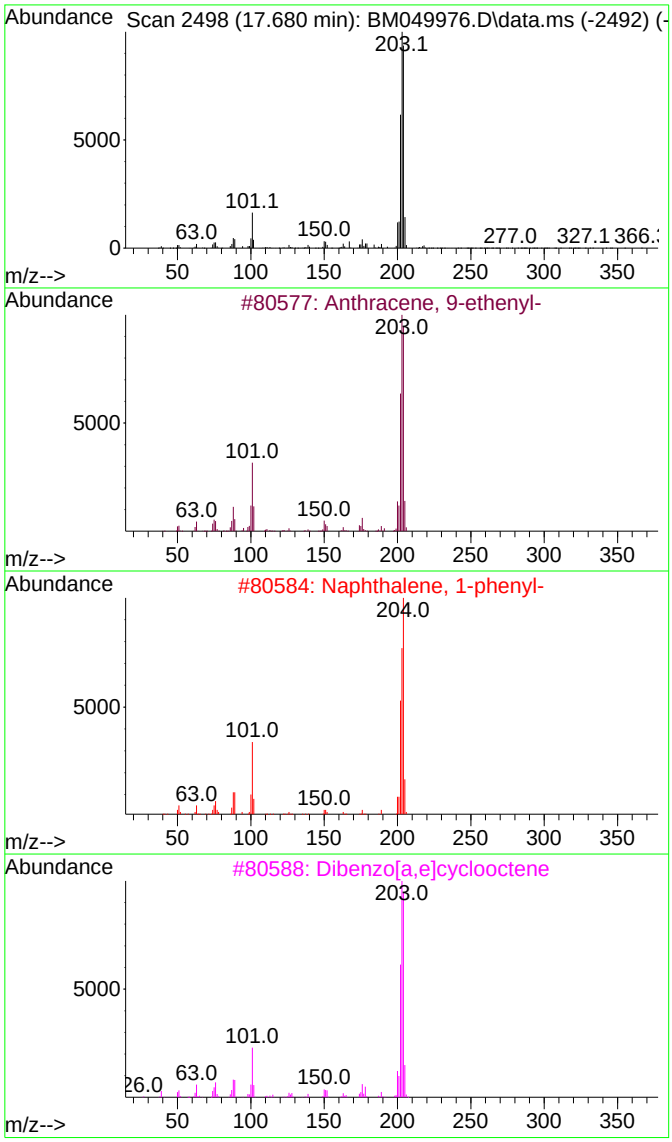
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

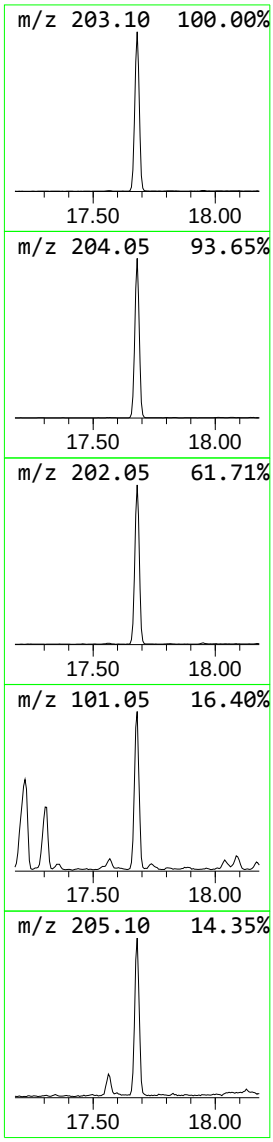
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Anthracene, 9-ethenyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.680	13.13 ng	2997880	Phenanthrene-d10	17.168

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	93
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	90
3	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	89
4	Cyclobuta[1'',2'':3,4:3'',4'':3'...	204	C16H12	006574-36-3	76
5	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	76





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Data File : BM049976.D
Acq On : 18 Apr 2025 21:41
Operator : RC/JU
Sample : Q1832-31 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-6

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.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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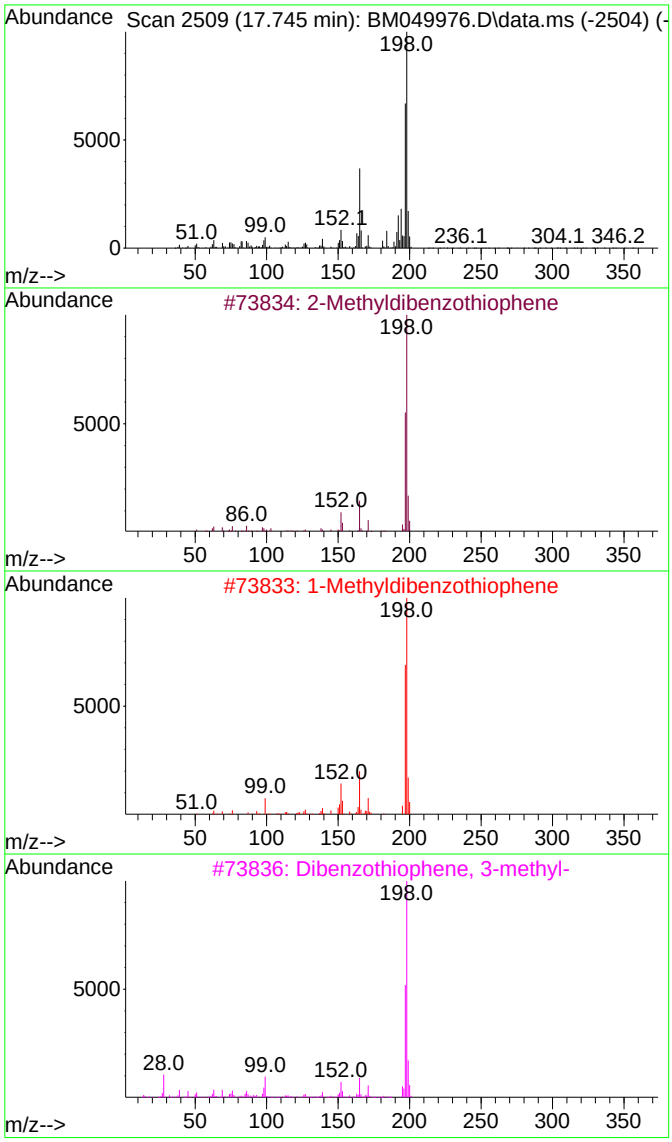
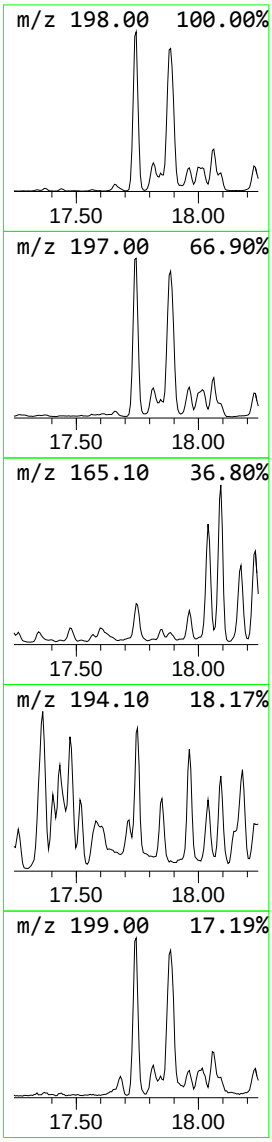
Peak Number 6 2-Methyldibenzothiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.745	12.66 ng	2892200	Phenanthrene-d10	17.168

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	87
2	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	80
3	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	76
4	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	76
5	Thioxanthene	198	C13H10S	000261-31-4	60





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Operator : RC/JU
Sample : Q1832-31 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-6

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.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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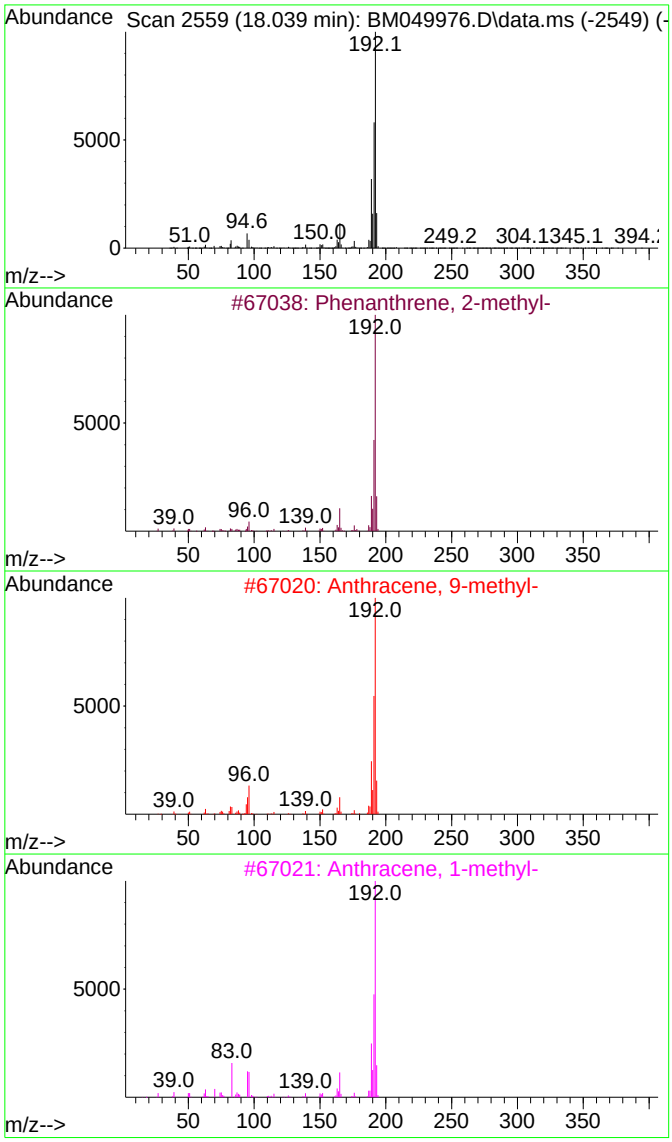
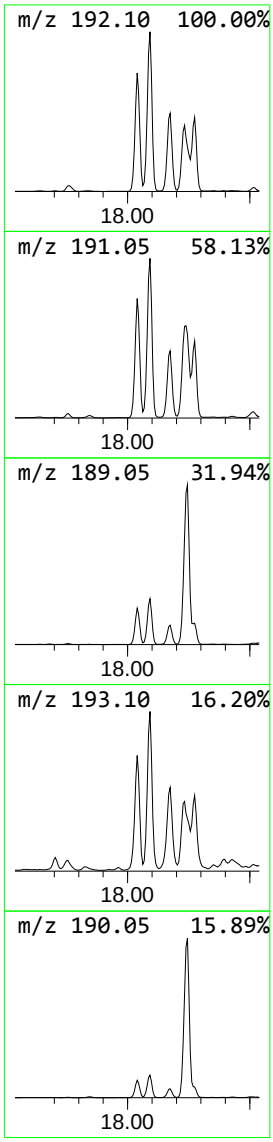
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.039	61.86 ng	14128900	Phenanthrene-d10	17.168

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	91
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91





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Data File : BM049976.D
Acq On : 18 Apr 2025 21:41
Operator : RC/JU
Sample : Q1832-31 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-6

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.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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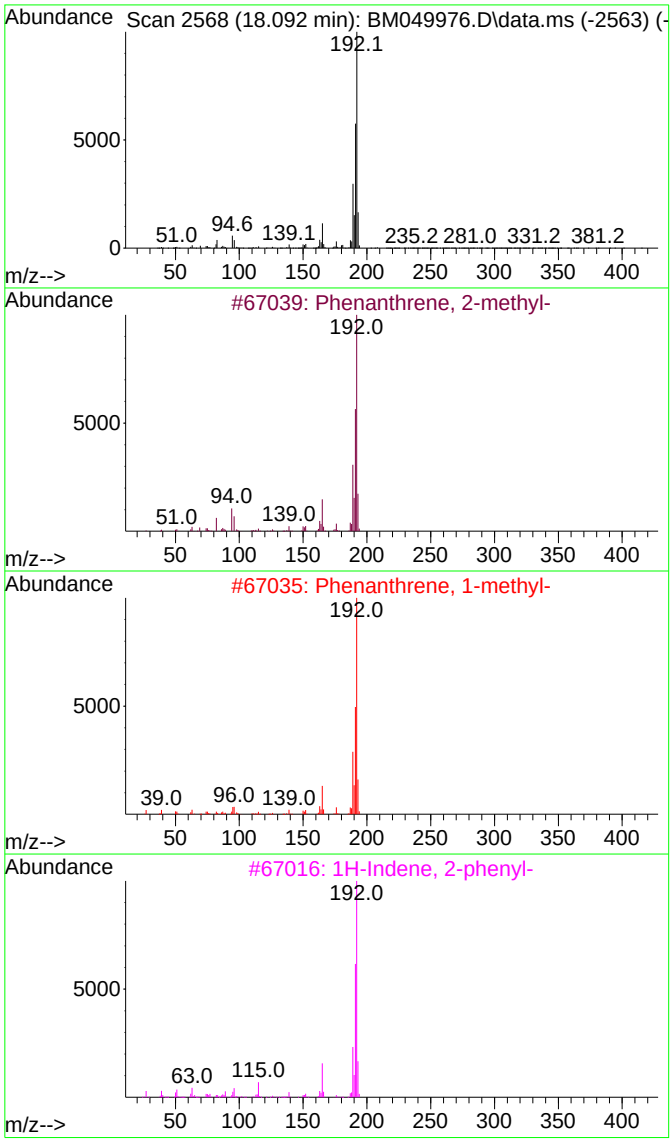
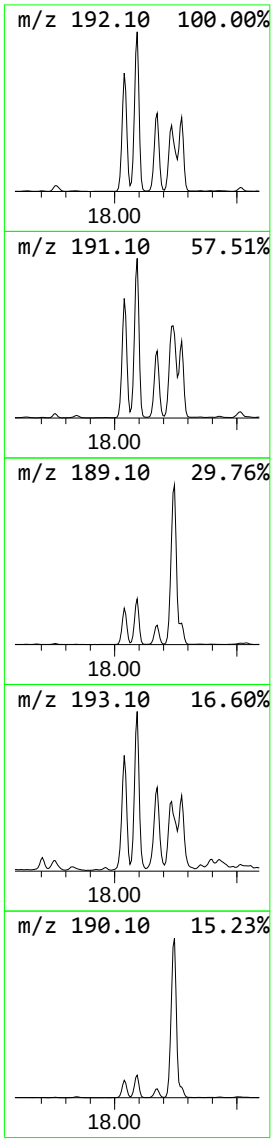
Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.092	79.16 ng	18080200	Phenanthrene-d10	17.168

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041825\
Data File : BM049976.D
Acq On : 18 Apr 2025 21:41
Operator : RC/JU
Sample : Q1832-31 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-6

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.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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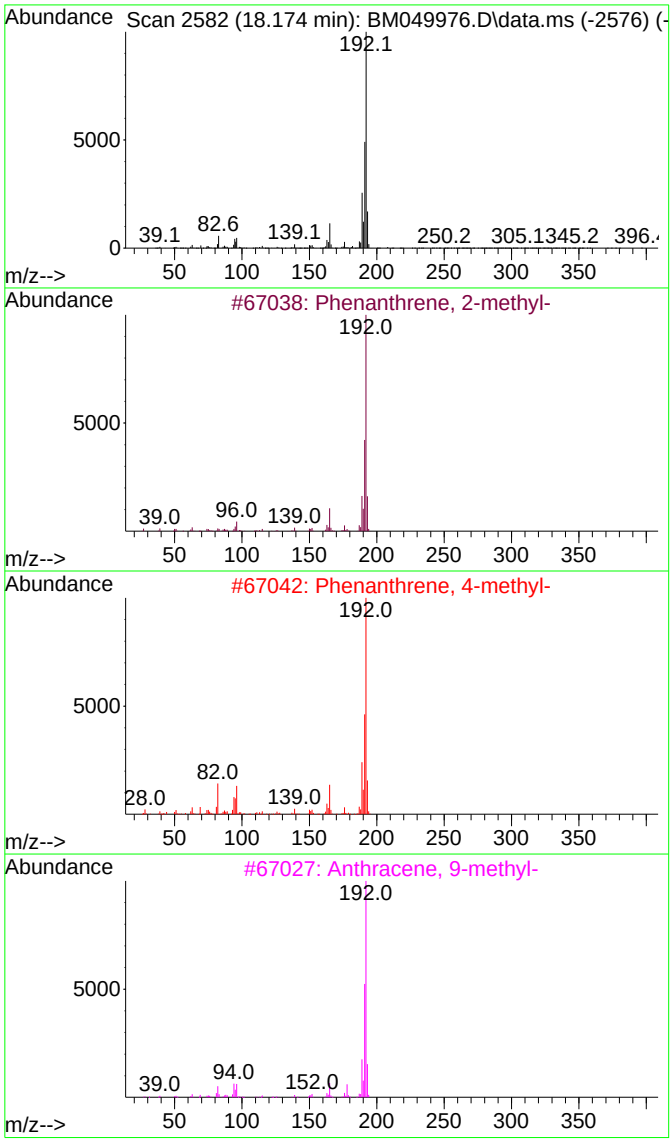
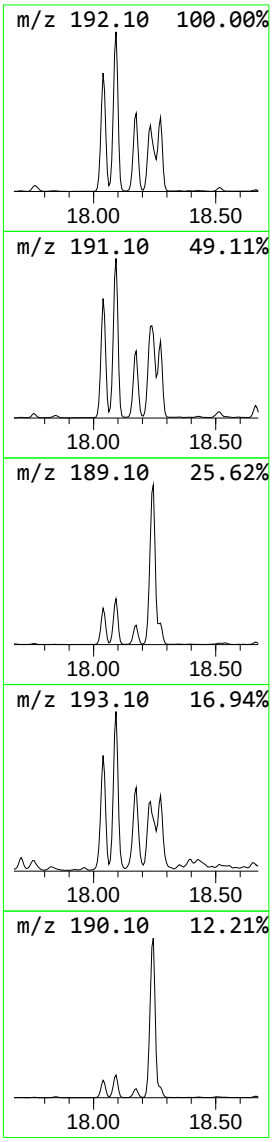
Peak Number 9 Phenanthrene, 4-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.174	37.92 ng	8659870	Phenanthrene-d10	17.168

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95





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Acq On : 18 Apr 2025 21:41
Operator : RC/JU
Sample : Q1832-31 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-6

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.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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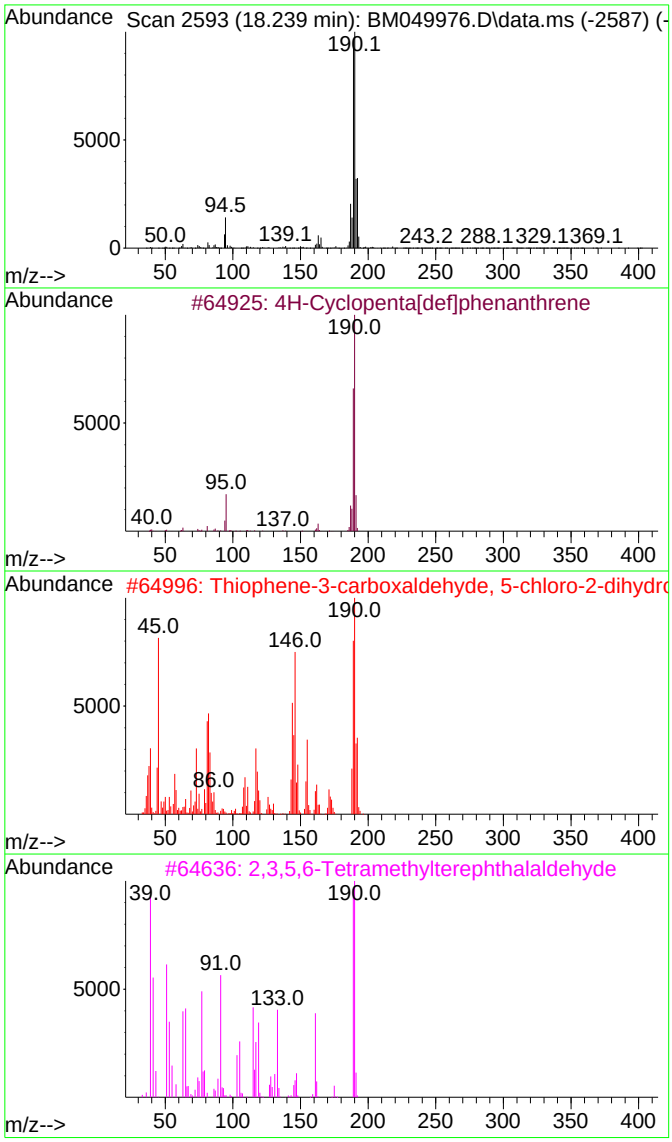
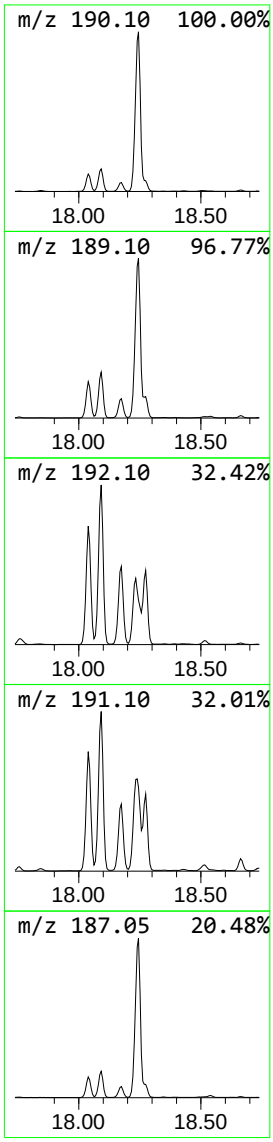
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.239	134.04 ng	30612600	Phenanthrene-d10	17.168

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	45
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041825\
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Acq On : 18 Apr 2025 21:41
Operator : RC/JU
Sample : Q1832-31 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PL-714-COMP-6

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.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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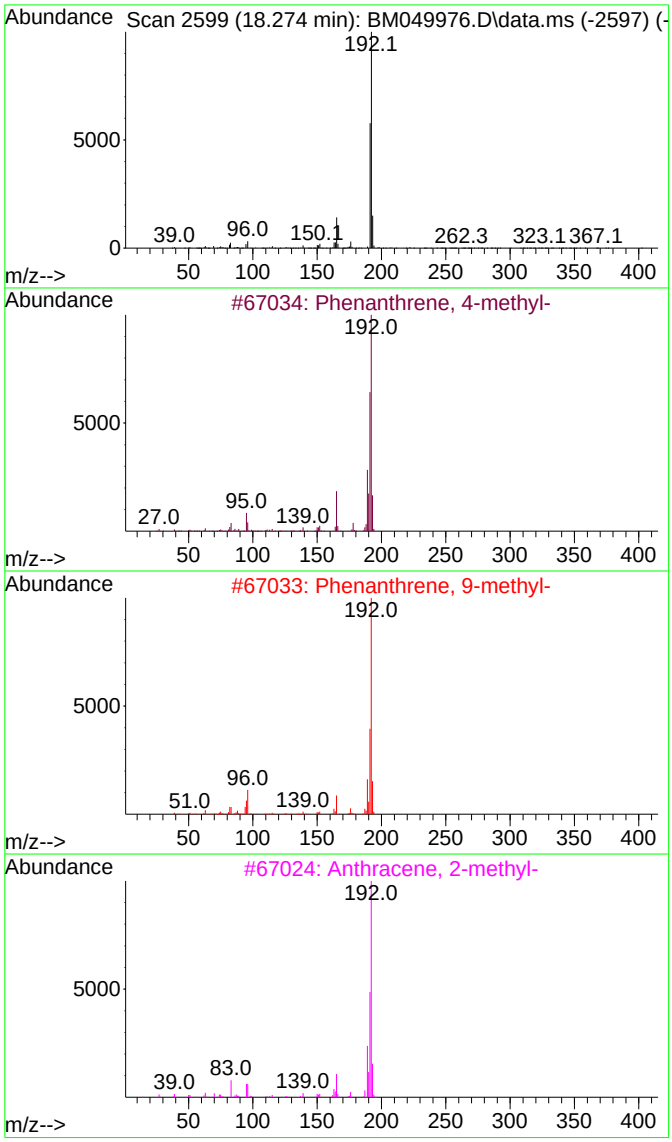
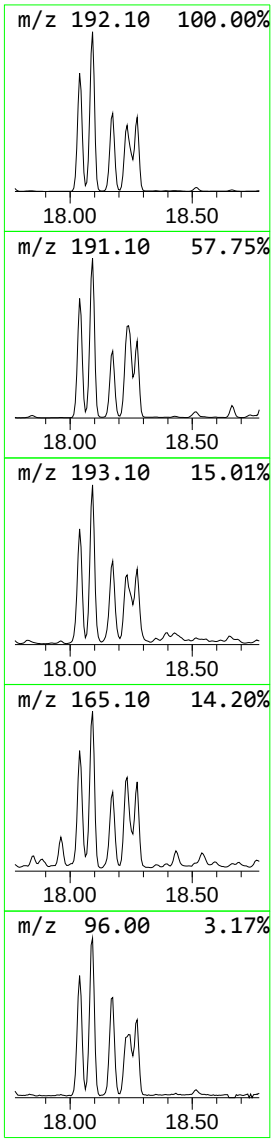
Peak Number 11 Phenanthrene, 9-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.274	29.53 ng	6743840	Phenanthrene-d10	17.168

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91
2	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	91
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	91
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91





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Acq On : 18 Apr 2025 21:41
Operator : RC/JU
Sample : Q1832-31 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-6

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.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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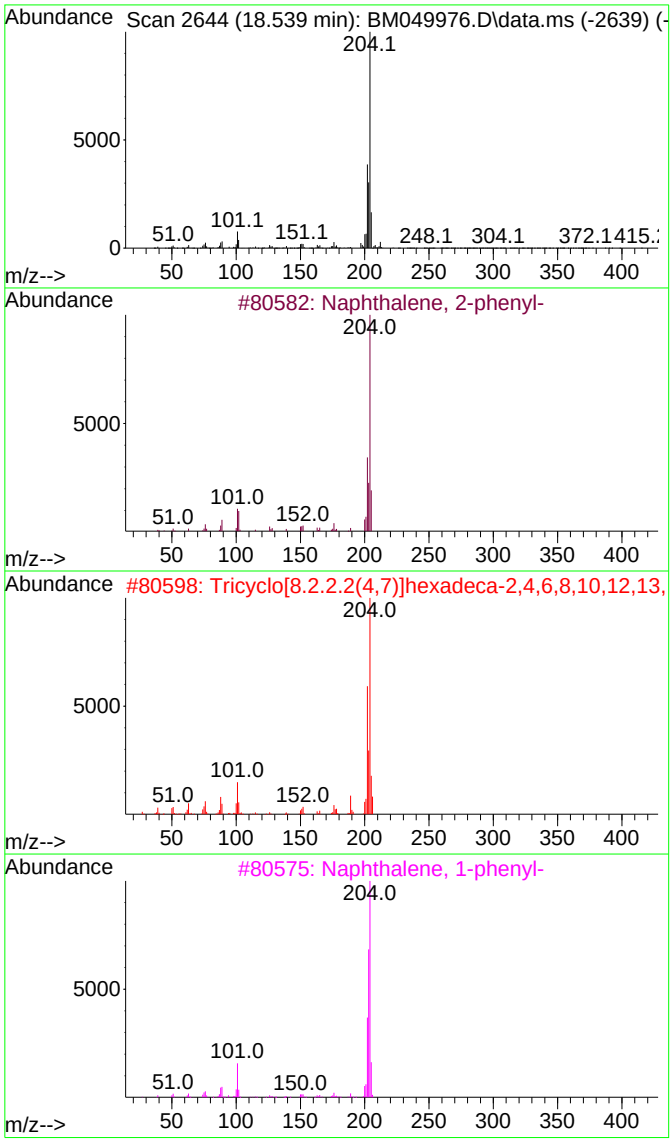
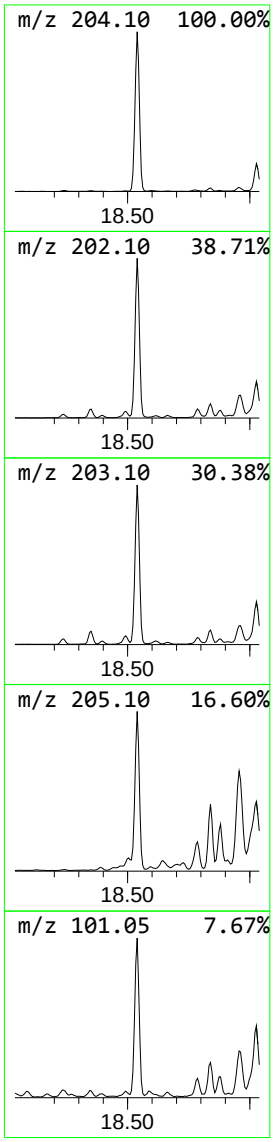
Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.539	42.00 ng	9592250	Phenanthrene-d10	17.168

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	91
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	53
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	49
5	9,10-ethenoanthracene, 9,10-dihy...	204	C16H12	1000400-47-8	47





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Operator : RC/JU
Sample : Q1832-31 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PL-714-COMP-6

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.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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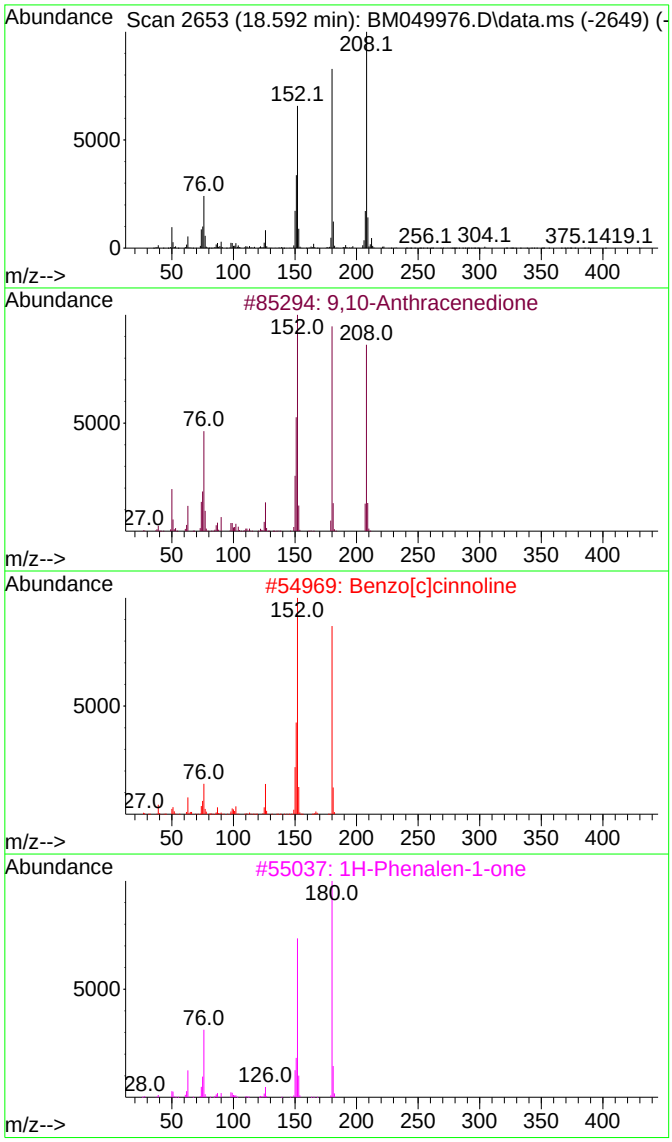
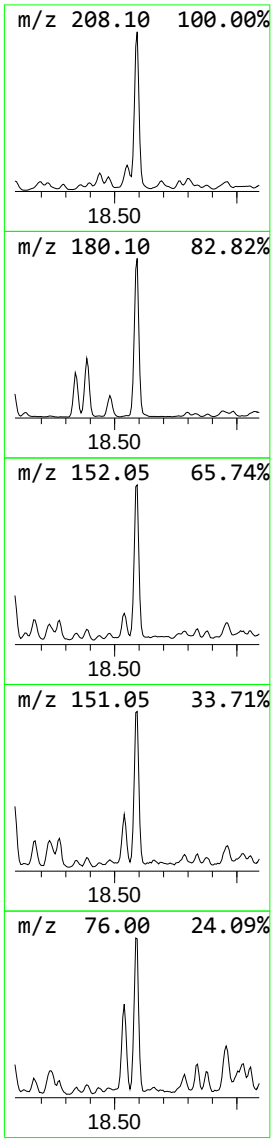
Peak Number 13 9,10-Anthracenedione Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.592	14.76 ng	3371150	Phenanthrene-d10	17.168

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	55
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	50
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	46





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Sample : Q1832-31 10X
Misc :
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Instrument :
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ClientSampleId :
PL-714-COMP-6

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.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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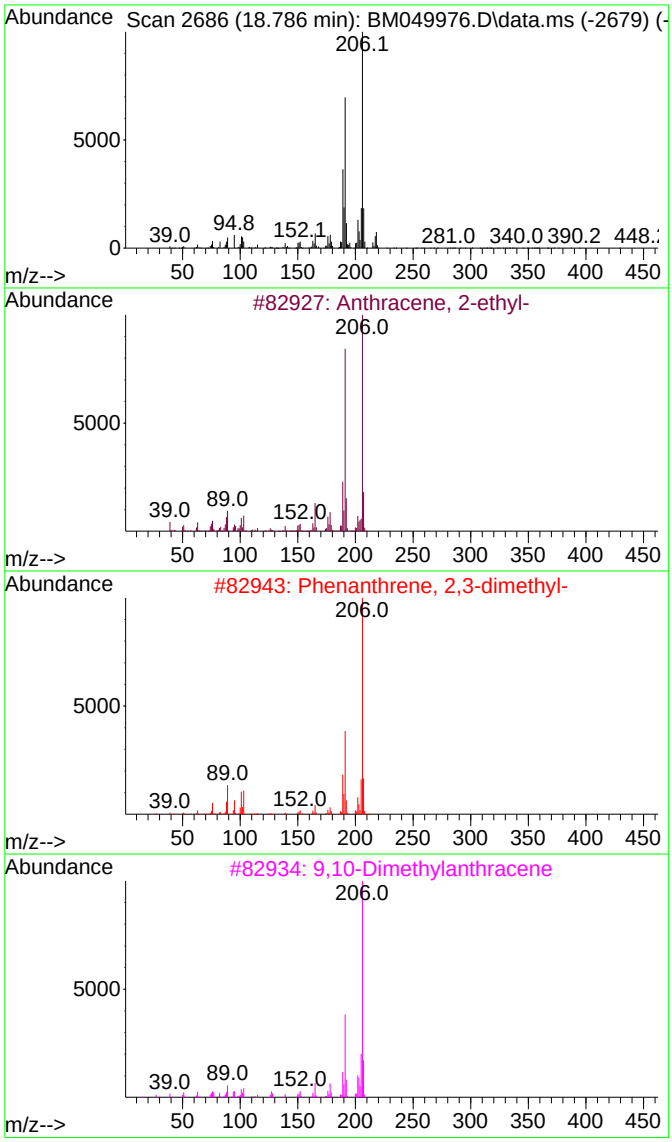
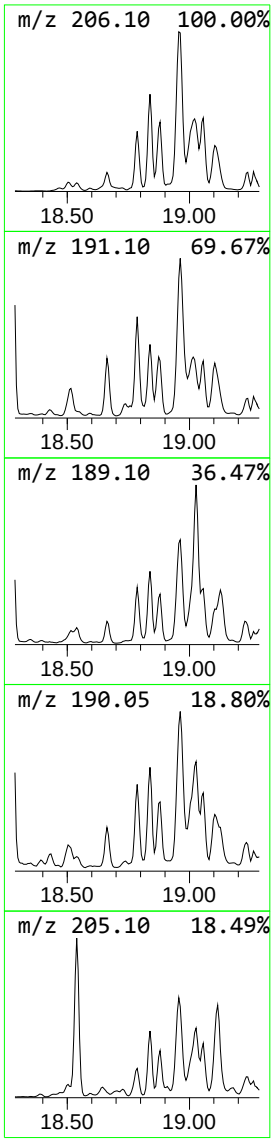
Peak Number 14 Anthracene, 2-ethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.786	12.58 ng	2872040	Phenanthrene-d10	17.168

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	93
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	92
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	91
5	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	90





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Sample : Q1832-31 10X
Misc :
ALS Vial : 18 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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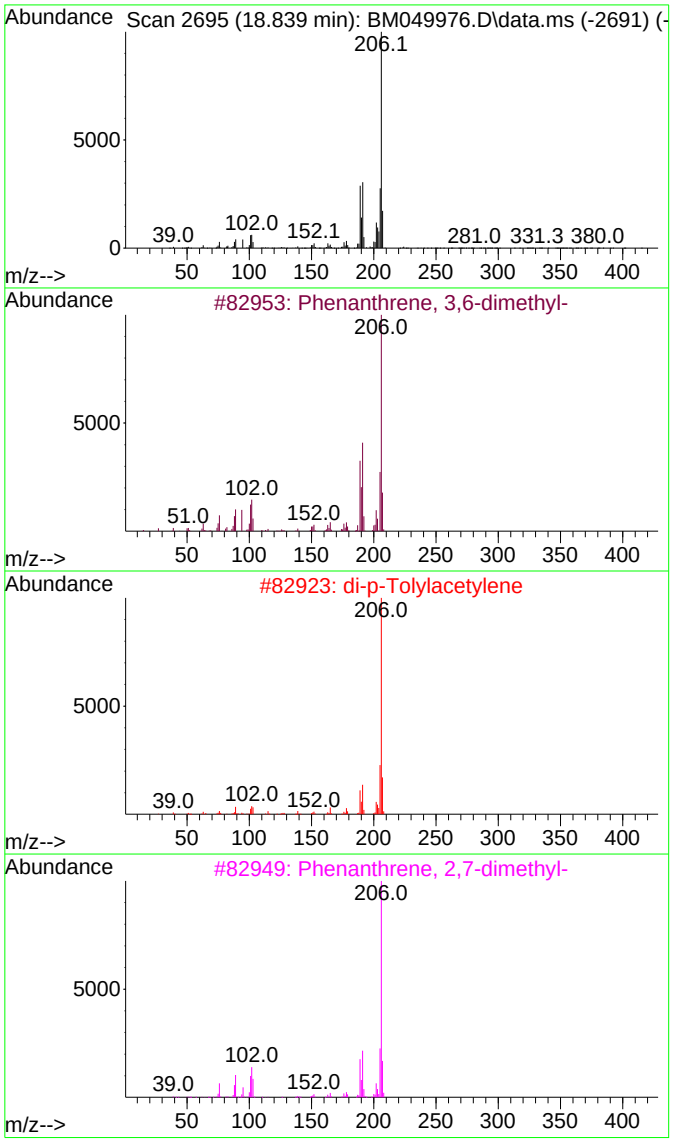
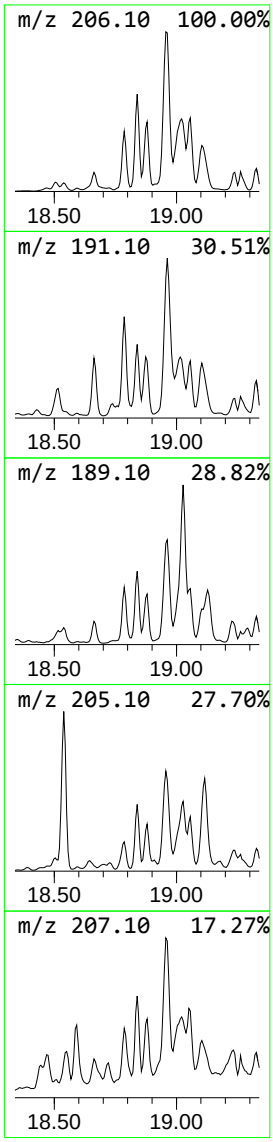
Peak Number 15 Phenanthrene, 3,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.839	12.45 ng	2843740	Phenanthrene-d10	17.168

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	95
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	87
5	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	81





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Sample : Q1832-31 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

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ClientSampleId :
PL-714-COMP-6

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.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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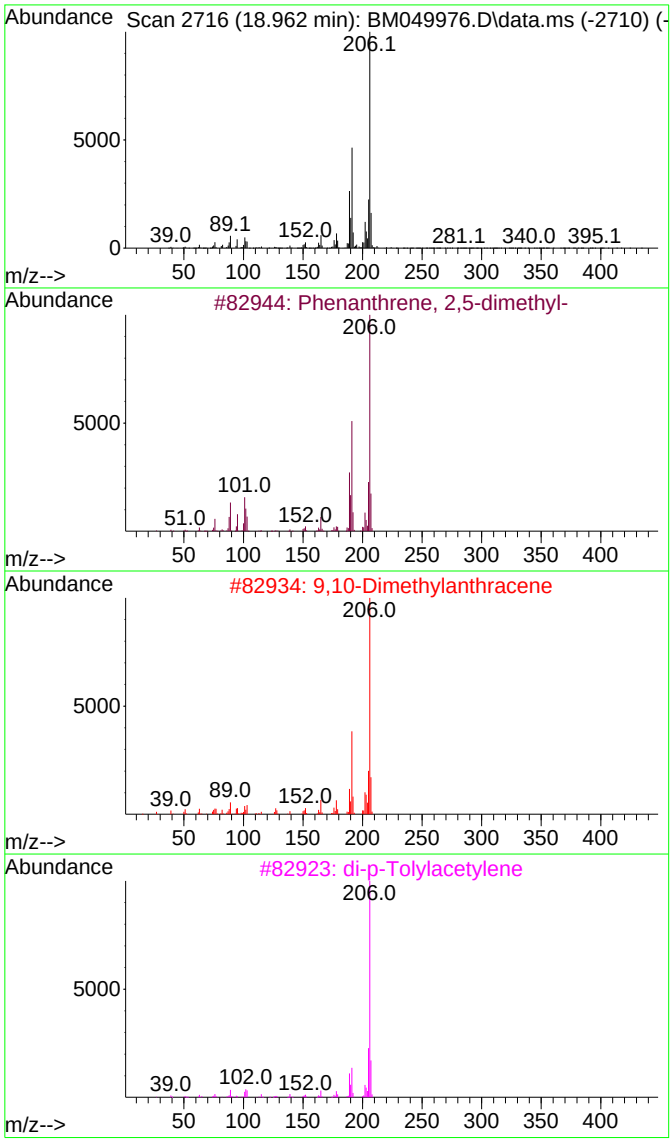
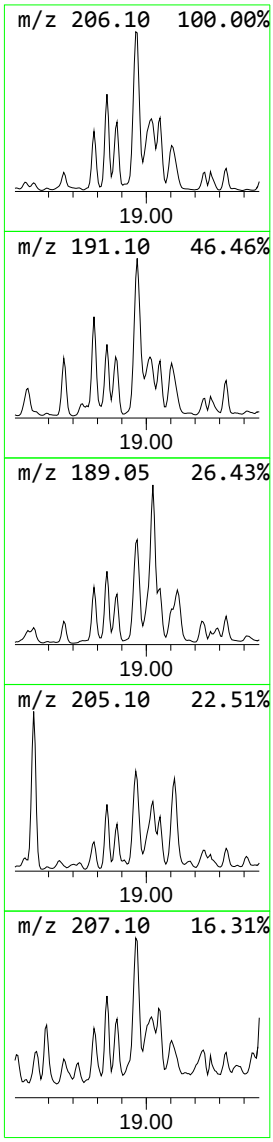
Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.962	31.62 ng	7221790	Phenanthrene-d10	17.168

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





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Data File : BM049976.D
Acq On : 18 Apr 2025 21:41
Operator : RC/JU
Sample : Q1832-31 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-6

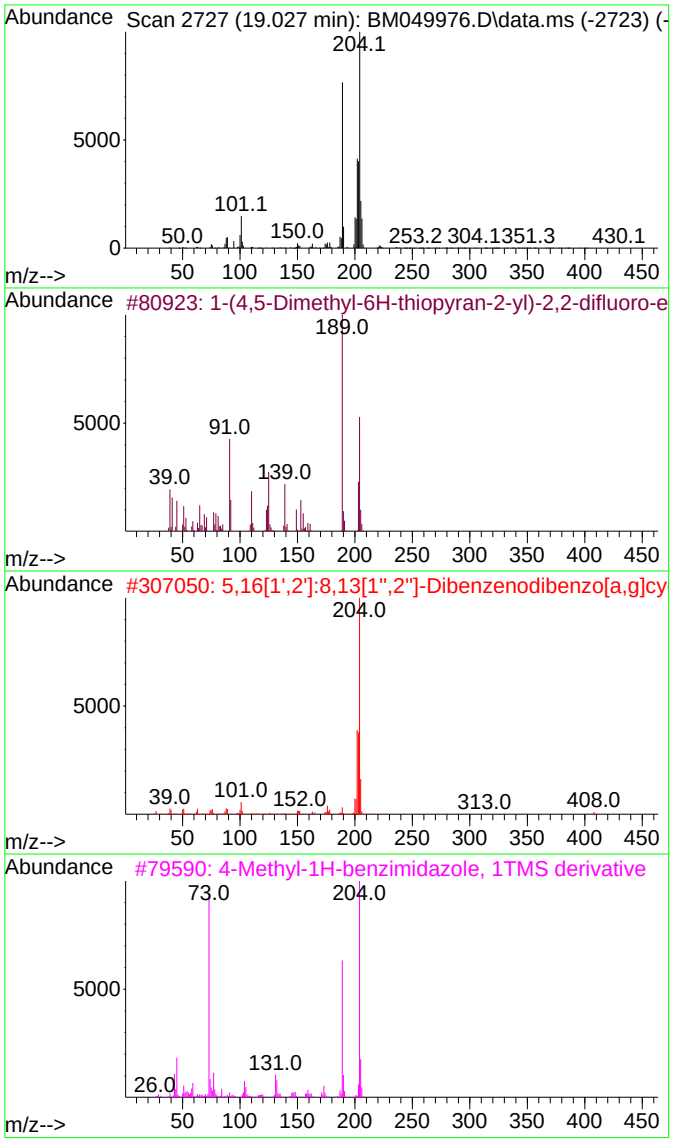
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

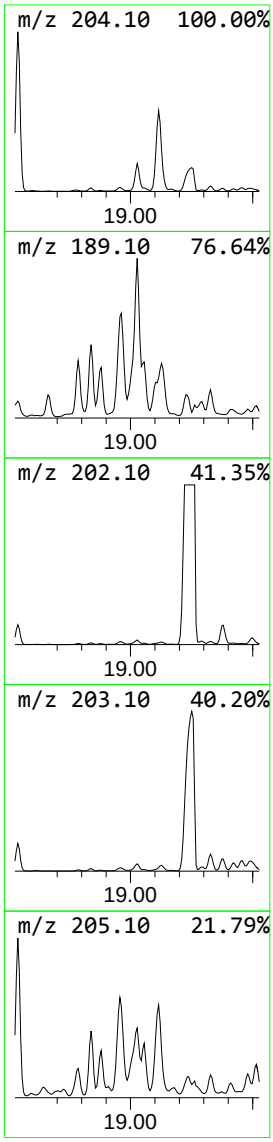
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 1-(4,5-Dimethyl-6H-thiopyra... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.027	22.80 ng	5208210	Phenanthrene-d10	17.168

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(4,5-Dimethyl-6H-thiopyran-2-y...	204	C9H10F2OS	1000318-25-0	59
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	52
3	4-Methyl-1H-benzimidazole, 1TMS ...	204	C11H16N2Si	1000486-24-6	50
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49
5	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041825\
Data File : BM049976.D
Acq On : 18 Apr 2025 21:41
Operator : RC/JU
Sample : Q1832-31 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-6

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.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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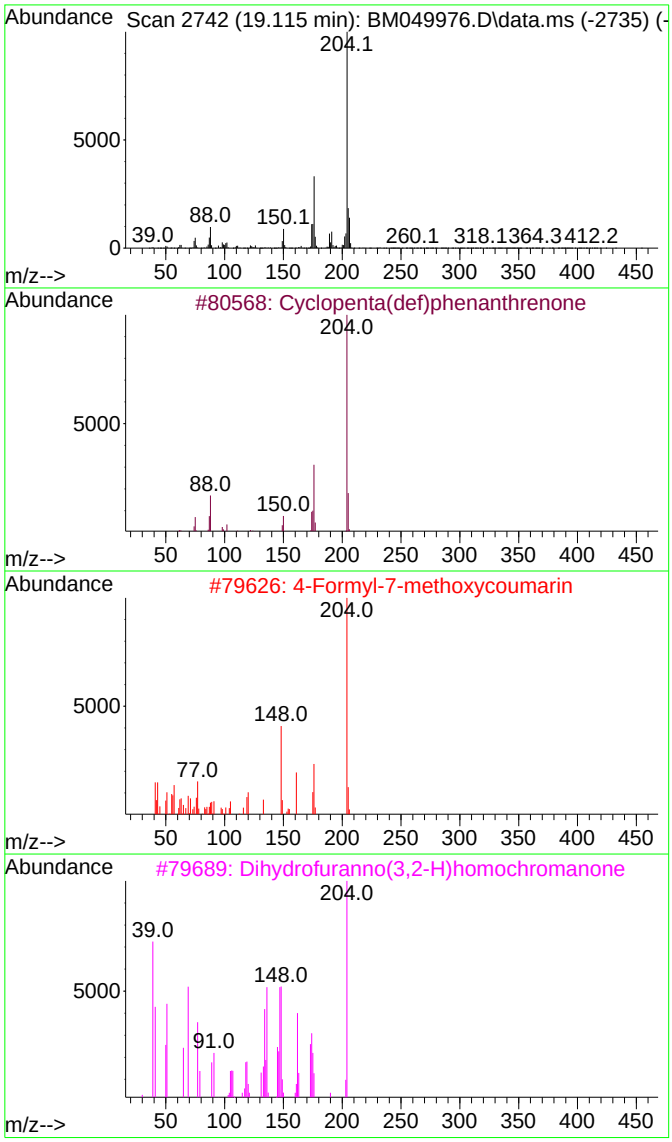
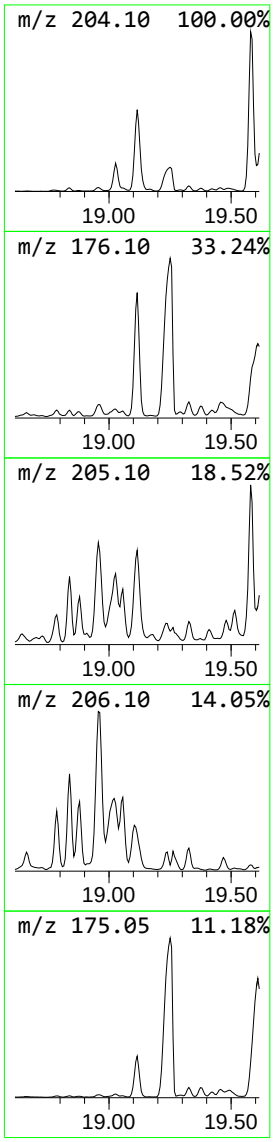
Peak Number 18 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.115	34.81 ng	7950260	Phenanthrene-d10	17.168

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2	4-Formyl-7-methoxycoumarin	204	C11H8O4	1000429-03-0	64
3	Dihydrofuranno(3,2-H)homochromanone	204	C12H12O3	057052-85-4	52
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	50
5	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	50





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Data File : BM049976.D
Acq On : 18 Apr 2025 21:41
Operator : RC/JU
Sample : Q1832-31 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-6

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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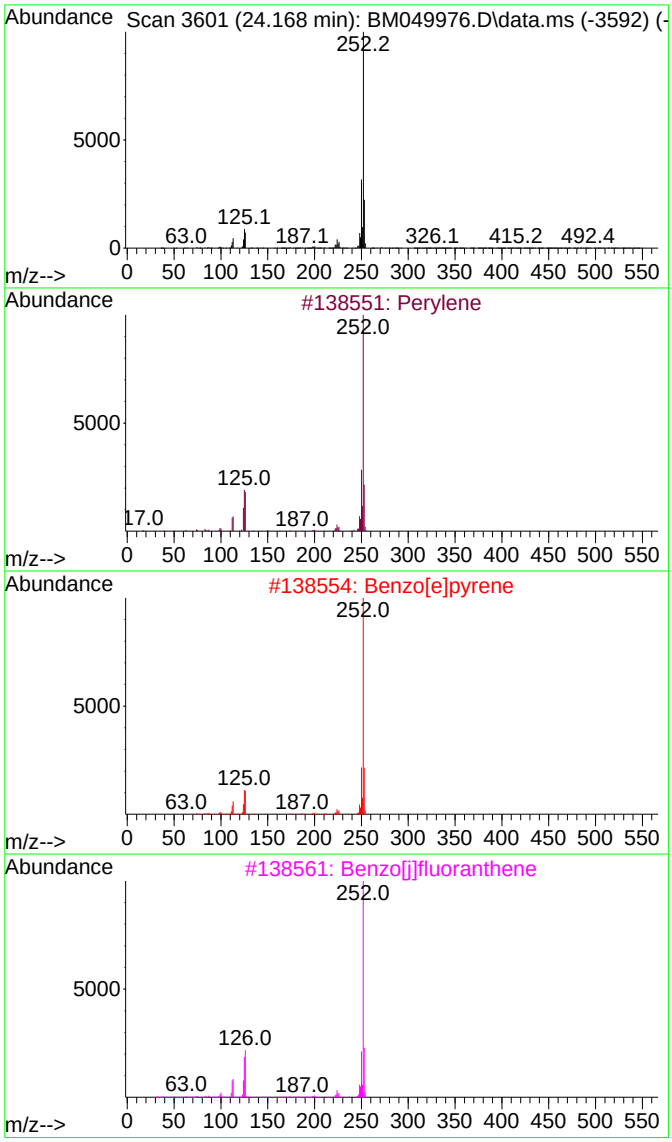
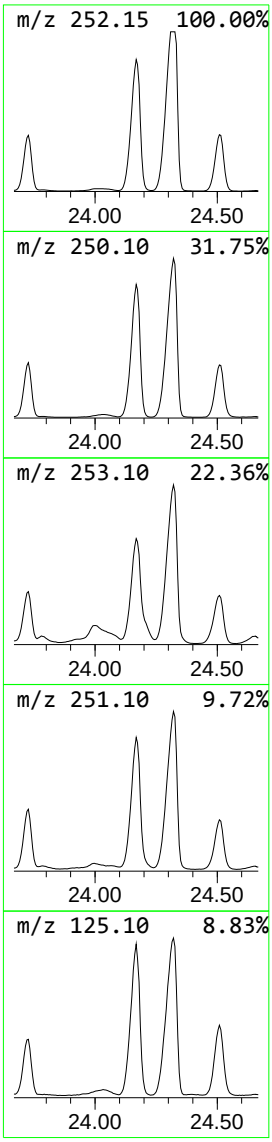
Peak Number 19 Perylene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.168	37.08 ng	47692900	Perylene-d12	24.433

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	96
2	Benzo[e]pyrene	252	C20H12	000192-97-2	96
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





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Acq On : 18 Apr 2025 21:41
Operator : RC/JU
Sample : Q1832-31 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-6

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.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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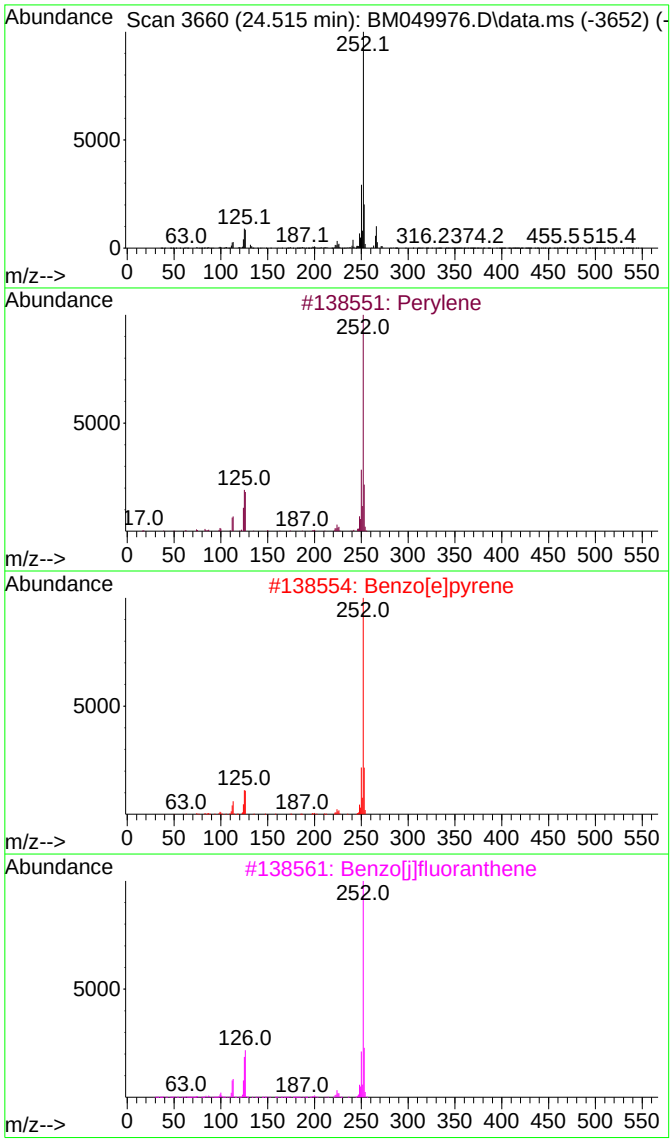
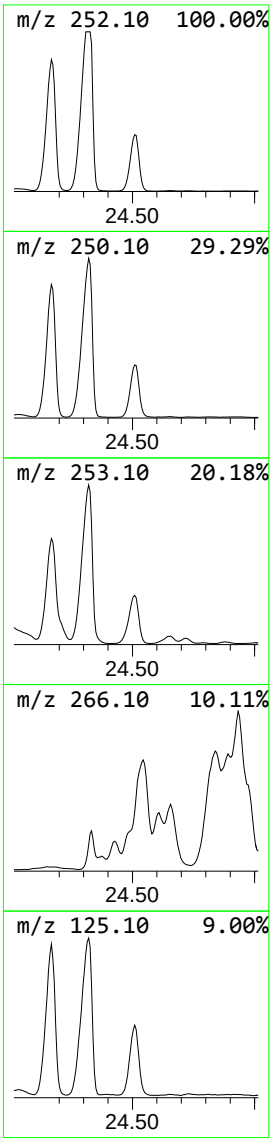
Peak Number 20 Benzo[e]pyrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.515	20.00 ng	25725700	Perylene-d12	24.433

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	95
2	Benzo[e]pyrene	252	C20H12	000192-97-2	95
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041825\
Data File : BM049976.D
Acq On : 18 Apr 2025 21:41
Operator : RC/JU
Sample : Q1832-31 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PL-714-COMP-6

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2,4,6-Cyclohept...	15.757	16.9	ng	4744700	3	14.416	5597760	20.0
9H-Fluorene, 2-...	16.468	23.6	ng	5393350	4	17.168	4567830	20.0
Methanone, (2-m...	16.892	15.9	ng	3634810	4	17.168	4567830	20.0
Dibenzothiophene	16.980	23.5	ng	5357650	4	17.168	4567830	20.0
Anthracene, 9-e...	17.680	13.1	ng	2997880	4	17.168	4567830	20.0
2-Methyldibenzo...	17.745	12.7	ng	2892200	4	17.168	4567830	20.0
Phenanthrene, 2...	18.039	61.9	ng	14128900	4	17.168	4567830	20.0
Phenanthrene, 1...	18.092	79.2	ng	18080200	4	17.168	4567830	20.0
Phenanthrene, 4...	18.174	37.9	ng	8659870	4	17.168	4567830	20.0
4H-Cyclopenta[d...	18.239	134.0	ng	30612600	4	17.168	4567830	20.0
Phenanthrene, 9...	18.274	29.5	ng	6743840	4	17.168	4567830	20.0
Naphthalene, 2-...	18.539	42.0	ng	9592250	4	17.168	4567830	20.0
9,10-Anthracene...	18.592	14.8	ng	3371150	4	17.168	4567830	20.0
Anthracene, 2-e...	18.786	12.6	ng	2872040	4	17.168	4567830	20.0
Phenanthrene, 3...	18.839	12.4	ng	2843740	4	17.168	4567830	20.0
Phenanthrene, 2...	18.962	31.6	ng	7221790	4	17.168	4567830	20.0
1-(4,5-Dimethyl...	19.027	22.8	ng	5208210	4	17.168	4567830	20.0
Cyclopenta(def)...	19.115	34.8	ng	7950260	4	17.168	4567830	20.0
Perylene	24.168	37.1	ng	47692900	6	24.433	25725700	20.0
Benzo[e]pyrene	24.515	20.0	ng	25725700	6	24.433	25725700	20.0