LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041825\
Data File : BM049975.D
Acq On : 18 Apr 2025 21:02
Operator : RC/JU
Sample : Q1825-07 10X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
TP-11

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: BM049975.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	822	rBV	2083717	3207358	3.75%	0.362%
2	10.563	1280	1288	1292	rBV	2456006	4194649	4.90%	0.473%
3	10.610	1292	1296	1310	rVB	2854142	4780761	5.58%	0.539%
4	12.227	1564	1571	1578	rBV	1693031	2538634	2.97%	0.286%
5	12.451	1602	1609	1618	rVB	1194429	1947515	2.27%	0.220%
6	13.027	1701	1707	1716	rVB	835242	1227032	1.43%	0.138%
7	13.245	1738	1744	1755	rBV	557261	872421	1.02%	0.098%
8	13.733	1821	1827	1832	rBV	934855	1672285	1.95%	0.189%
9	13.786	1832	1836	1843	rVB	633778	925098	1.08%	0.104%
10	14.133	1887	1895	1907	rBV	1576568	2533318	2.96%	0.286%
11	14.416	1933	1943	1948	rBV2	3681572	5898367	6.89%	0.665%
12	14.480	1948	1954	1961	rVV	7195393	10395311	12.14%	1.172%
13	14.816	2004	2011	2019	rVV	3868723	5762908	6.73%	0.650%
14	15.463	2115	2121	2132	rVB	7761084	10984837	12.83%	1.239%
15	15.586	2139	2142	2145	rVV	805273	1096681	1.28%	0.124%
16	15.627	2145	2149	2153	rVV2	969118	1435631	1.68%	0.162%
17	15.757	2167	2171	2182	rVB	1594607	2358729	2.76%	0.266%
18	15.904	2188	2196	2204	rVV	2163454	3997092	4.67%	0.451%
19	16.139	2229	2236	2247	rVB3	540458	1134222	1.32%	0.128%
20	16.468	2280	2292	2296	rBV3	1234271	2608501	3.05%	0.294%
21	16.815	2347	2351	2358	rVB	1552141	2239504	2.62%	0.253%
22	16.892	2359	2364	2372	rVV2	760464	1830343	2.14%	0.206%
23	16.980	2374	2379	2389	rVB	2443715	3718147	4.34%	0.419%
24	17.162	2404	2410	2413	rBV	3452082	5199673	6.07%	0.586%
25	17.215	2413	2419	2424	rVV2	34212404	58389464	68.20%	6.585%
26	17.298	2424	2433	2438	rVV	14534301	20762186	24.25%	2.341%
27	17.357	2438	2443	2448	rVB2	989553	1592131	1.86%	0.180%
28	17.568	2469	2479	2484	rBV2	4596053	7783811	9.09%	0.878%
29	17.680	2492	2498	2504	rBV3	947127	1487030	1.74%	0.168%
30	17.739	2504	2508	2516	rVB6	717881	1314353	1.54%	0.148%
31	18.039	2549	2559	2563	rBV	4484408	7293603	8.52%	0.823%
32	18.086	2563	2567	2572	rVV	6879018	9278011	10.84%	1.046%
33	18.168	2576	2581	2586	rVV	2868326	3940201	4.60%	0.444%
34	18.239	2586	2593	2596	rVV2	9023896	15256182	17.82%	1.721%
35	18.268	2596	2598	2605	rVB	2871020	3322211	3.88%	0.375%
36	18.345	2606	2611	2615	rVV3	574003	984626	1.15%	0.111%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041825\
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Acq On : 18 Apr 2025 21:02
Operator : RC/JU
Sample : Q1825-07 10X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
TP-11

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	18.539	2639	2644	2648	rVV	3944211	5081176	5.93%	0.573%
38	18.586	2648	2652	2657	rVB	2161518	2725953	3.18%	0.307%
39	18.786	2682	2686	2690	rVB3	877690	1112607	1.30%	0.125%
40	18.833	2691	2694	2698	rVV	763931	874097	1.02%	0.099%
41	18.874	2698	2701	2705	rVB	797447	977598	1.14%	0.110%
42	18.956	2709	2715	2719	rBV	1690976	3217312	3.76%	0.363%
43	19.021	2723	2726	2729	rVV3	1197819	1801747	2.10%	0.203%
44	19.103	2735	2740	2748	rVB2	2019217	3530623	4.12%	0.398%
45	19.239	2754	2763	2767	rBV2	39502148	74033010	86.47%	8.349%
46	19.321	2774	2777	2782	rBV	1267732	1639925	1.92%	0.185%
47	19.374	2782	2786	2789	rVB	917012	1170305	1.37%	0.132%
48	19.421	2789	2794	2796	rBV4	598586	992308	1.16%	0.112%
49	19.462	2797	2801	2805	rVV2	1337771	2019186	2.36%	0.228%
50	19.598	2813	2824	2830	rBV4	38194723	85613953	100.00%	9.655%
51	19.656	2830	2834	2841	rVB2	2697937	3986240	4.66%	0.450%
52	19.762	2847	2852	2859	rBV2	3457666	6016554	7.03%	0.679%
53	19.833	2859	2864	2869	rVB	3158839	4707195	5.50%	0.531%
54	19.909	2871	2877	2878	rBV	3245094	5317349	6.21%	0.600%
55	19.962	2883	2886	2890	rVB	1286025	1438491	1.68%	0.162%
56	20.045	2894	2900	2902	rBV3	2762185	4678839	5.47%	0.528%
57	20.086	2902	2907	2912	rVB	8830728	12567260	14.68%	1.417%
58	20.180	2919	2923	2927	rBV	8110958	10149160	11.85%	1.145%
59	20.239	2927	2933	2937	rVV2	4571828	7998555	9.34%	0.902%
60	20.274	2937	2939	2943	rVB	2013888	2271387	2.65%	0.256%
61	20.321	2943	2947	2951	rBV3	1017475	1393069	1.63%	0.157%
62	20.380	2953	2957	2960	rBV	2212287	2620683	3.06%	0.296%
63	20.427	2960	2965	2969	rVV2	2381389	3074644	3.59%	0.347%
64	20.792	3023	3027	3030	rBV2	943555	1456701	1.70%	0.164%
65	20.833	3030	3034	3040	rVB	4039909	5476098	6.40%	0.618%
66	21.003	3057	3063	3067	rBV3	4073767	7159700	8.36%	0.807%
67	21.044	3067	3070	3074	rVV	5282624	7081530	8.27%	0.799%
68	21.092	3074	3078	3083	rVV2	5174484	9059238	10.58%	1.022%
69	21.156	3084	3089	3100	rVB	3696693	6162535	7.20%	0.695%
70	21.397	3119	3130	3135	rBV4	31098152	62293959	72.76%	7.025%
71	21.456	3136	3140	3151	rVB	25653131	40783538	47.64%	4.599%
72	21.592	3159	3163	3170	rBV	5603568	9010911	10.53%	1.016%
73	21.656	3171	3174	3179	rVV2	1373799	2435873	2.85%	0.275%
74	21.727	3183	3186	3191	rVB	2280905	3319642	3.88%	0.374%
75	21.792	3191	3197	3203	rBV2	3800315	7055588	8.24%	0.796%
76	22.015	3231	3235	3240	rBV2	1613631	2875808	3.36%	0.324%

LSC Area Percent Report

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Operator : RC/JU
Sample : Q1825-07 10X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
TP-11

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

77	22.092	3241	3248	3253	rVV	4038745	8307396	9.70%	0.937%
78	22.162	3256	3260	3267	rVB	2446972	4063799	4.75%	0.458%
79	22.291	3278	3282	3287	rVB2	1579050	2498582	2.92%	0.282%
80	22.350	3288	3292	3295	rVV	2294306	3836338	4.48%	0.433%
81	22.391	3296	3299	3307	rVB4	2536401	4576677	5.35%	0.516%
82	22.480	3308	3314	3327	rVB4	1649890	4353733	5.09%	0.491%
83	22.727	3353	3356	3363	rBV3	735859	1419356	1.66%	0.160%
84	23.491	3475	3486	3491	rBV	17810070	55818817	65.20%	6.295%
85	23.538	3492	3494	3501	rVB	11791040	16734488	19.55%	1.887%
86	23.709	3517	3523	3530	rVB	4130115	8525331	9.96%	0.961%
87	23.903	3550	3556	3559	rBV3	1050710	2471619	2.89%	0.279%
88	24.156	3590	3599	3611	rVB	10544643	29488455	34.44%	3.326%
89	24.303	3613	3624	3633	rVB	17068063	43791143	51.15%	4.939%
90	24.421	3638	3644	3649	rVV	2568829	6675319	7.80%	0.753%
91	24.497	3651	3657	3670	rVB	5139063	14056402	16.42%	1.585%
92	27.862	4215	4229	4244	rVB3	6496871	29763713	34.77%	3.357%
93	28.920	4396	4409	4433	rVB	4649900	21181870	24.74%	2.389%

Sum of corrected areas: 886706211

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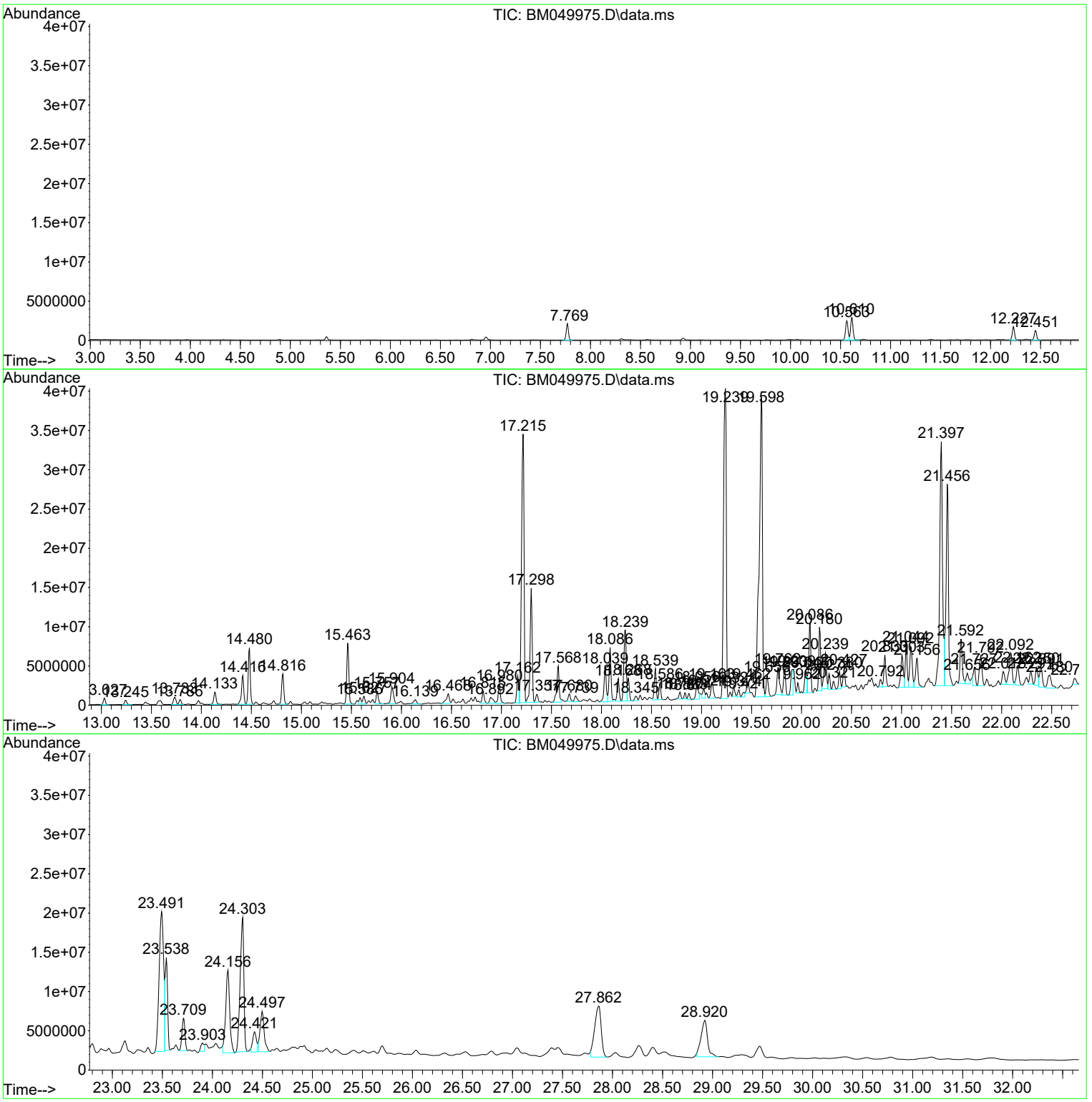
Sample : Q1825-07 10X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
TP-11

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 : BM049975.D
Acq On : 18 Apr 2025 21:02
Operator : RC/JU
Sample : Q1825-07 10X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
TP-11

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

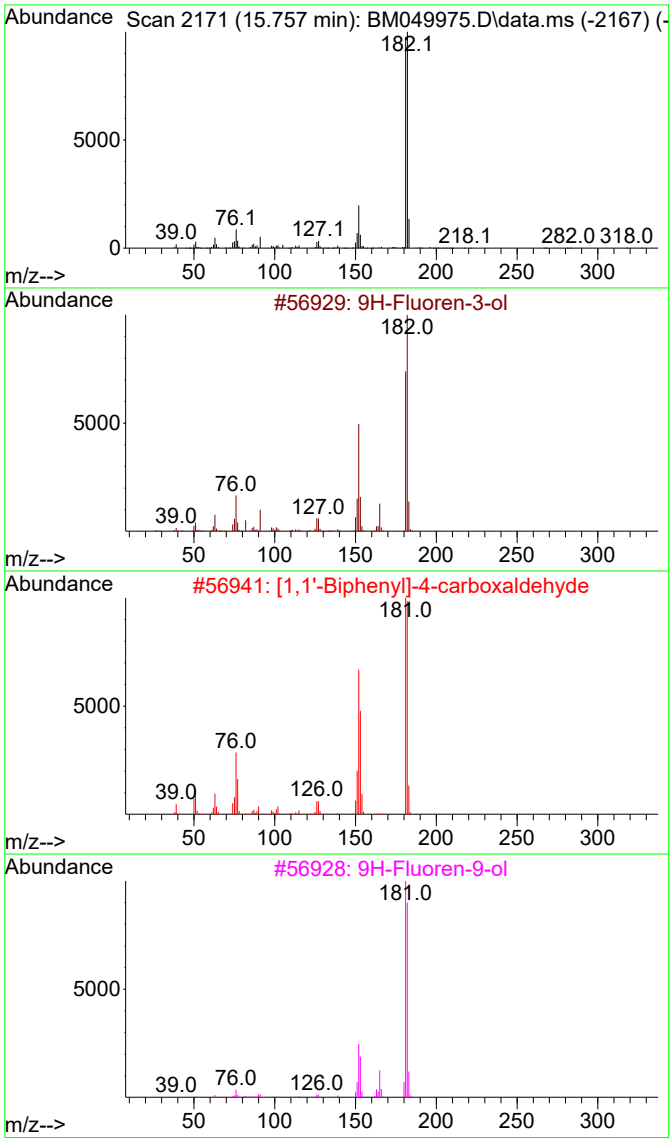
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

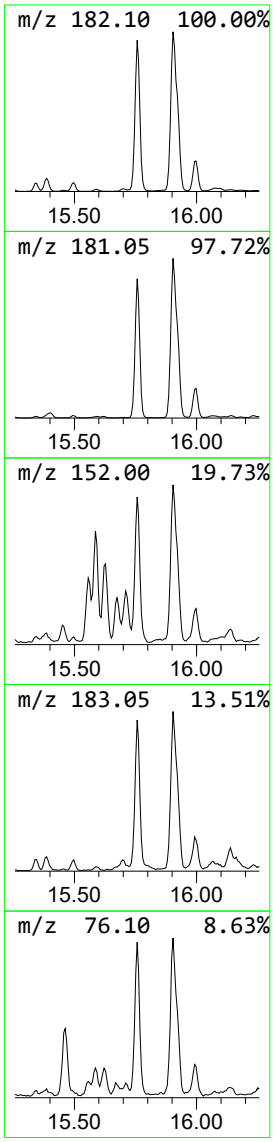
****

Peak Number 1 9H-Fluoren-3-ol Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.757	8.00 ng	2358730	Acenaphthene-d10	14.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-3-ol	182	C13H10O	006344-67-8	90
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	83
4	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	78
5	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041825\
Data File : BM049975.D
Acq On : 18 Apr 2025 21:02
Operator : RC/JU
Sample : Q1825-07 10X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
TP-11

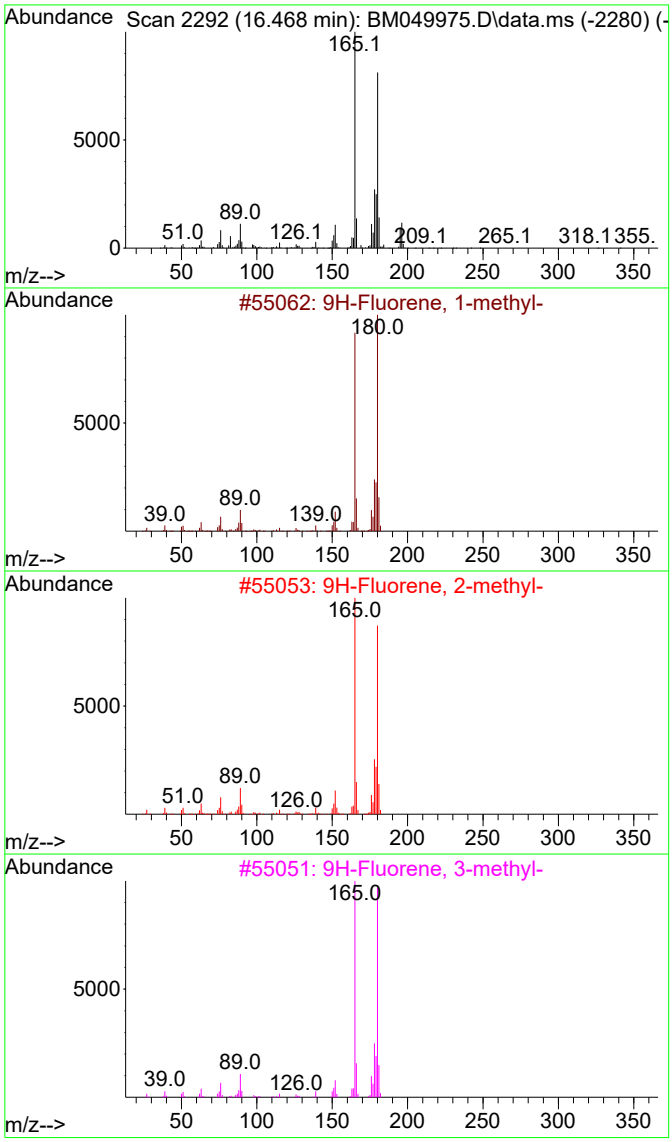
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

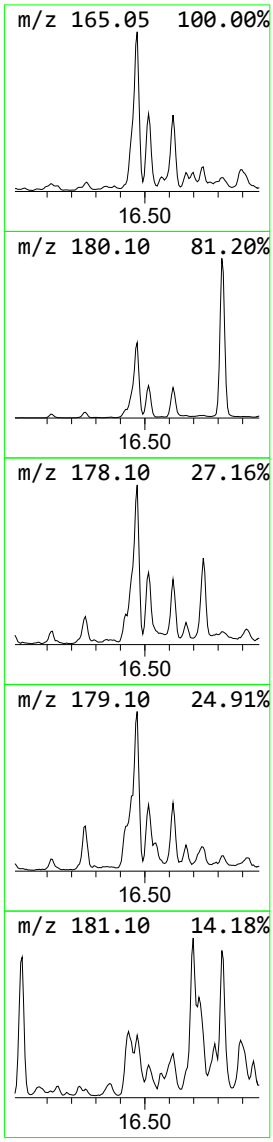
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 9H-Fluorene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.468	10.03 ng	2608500	Phenanthrene-d10	17.162

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
4	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	86
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041825\
Data File : BM049975.D
Acq On : 18 Apr 2025 21:02
Operator : RC/JU
Sample : Q1825-07 10X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
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

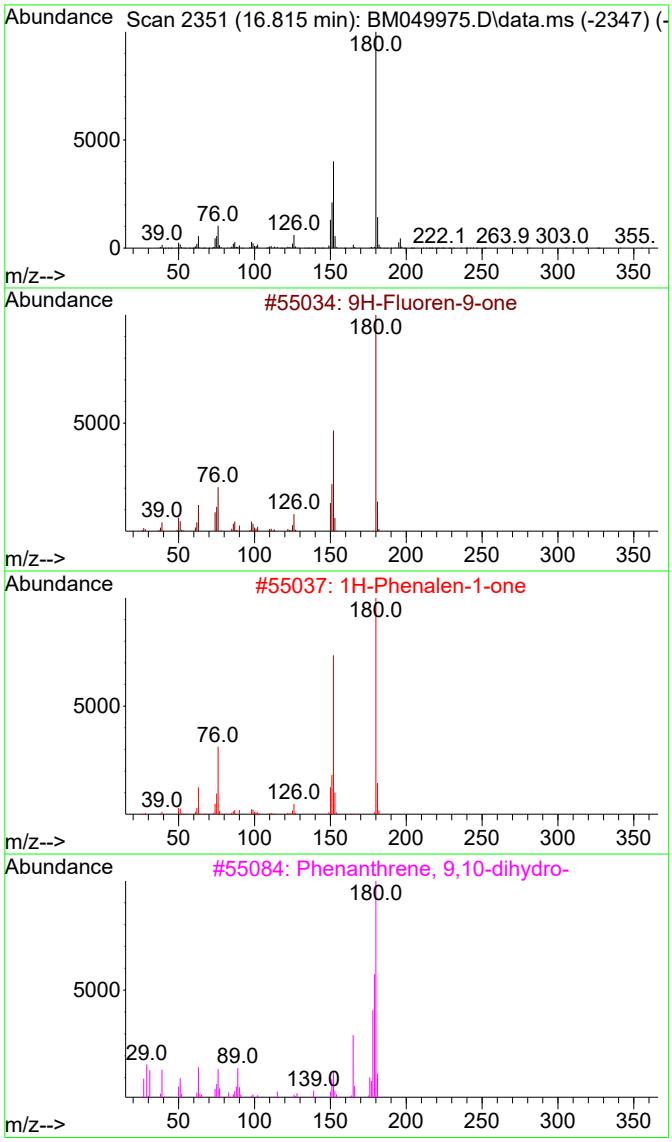
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

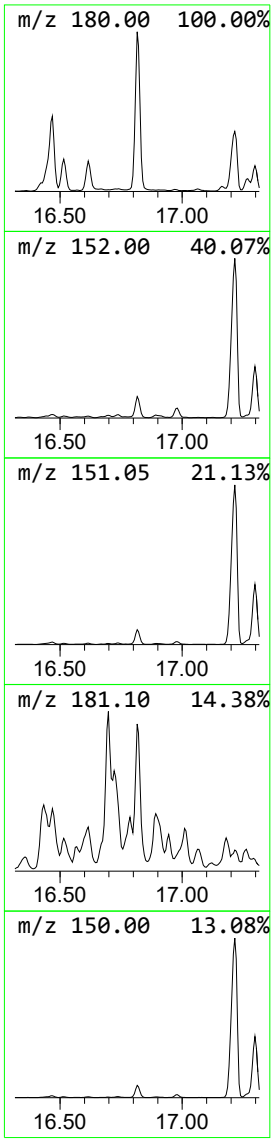
****

Peak Number 3 9H-Fluoren-9-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.815	8.61 ng	2239500	Phenanthrene-d10	17.162

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	1H-Phenalen-1-one	180	C13H8O	000548-39-0	78
3	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	50
4	Phenazine	180	C12H8N2	000092-82-0	43
5	1,1'-Biphenyl, 4-ethenyl-	180	C14H12	002350-89-2	40





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041825\
Data File : BM049975.D
Acq On : 18 Apr 2025 21:02
Operator : RC/JU
Sample : Q1825-07 10X
Misc :
ALS Vial : 17 Sample Multiplier: 1

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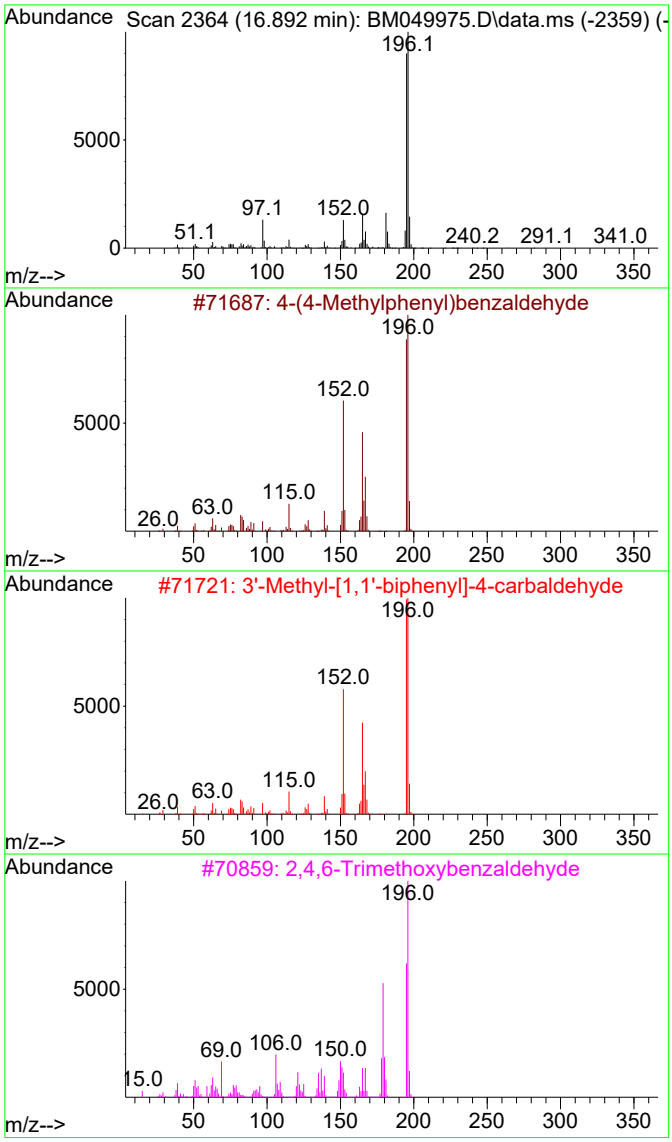
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

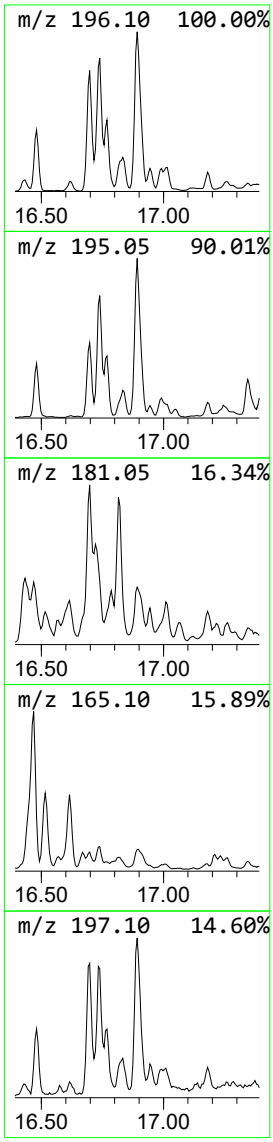
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 4-(4-Methylphenyl)benzaldehyde Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.892	7.04 ng	1830340	Phenanthrene-d10	17.162

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-(4-Methylphenyl)benzaldehyde	196	C14H12O	036393-42-7	91
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	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	80
5	Benzo[b]benzofuran-2-carboxaldehyde	196	C13H8O2	1000351-56-0	68





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041825\
Data File : BM049975.D
Acq On : 18 Apr 2025 21:02
Operator : RC/JU
Sample : Q1825-07 10X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
TP-11

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

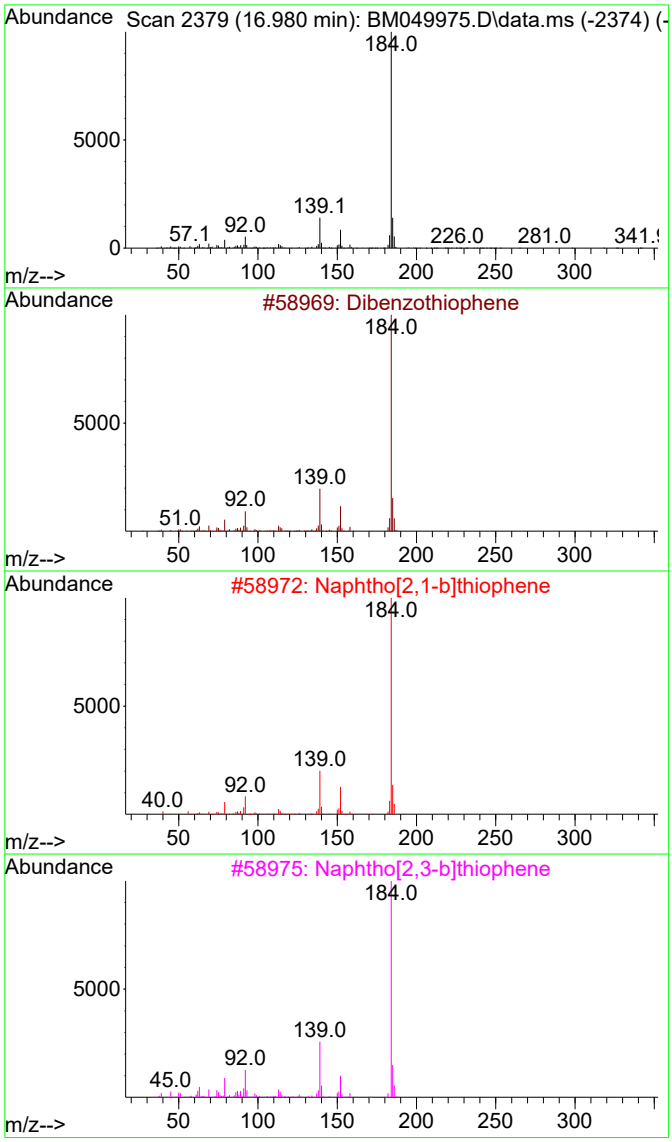
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

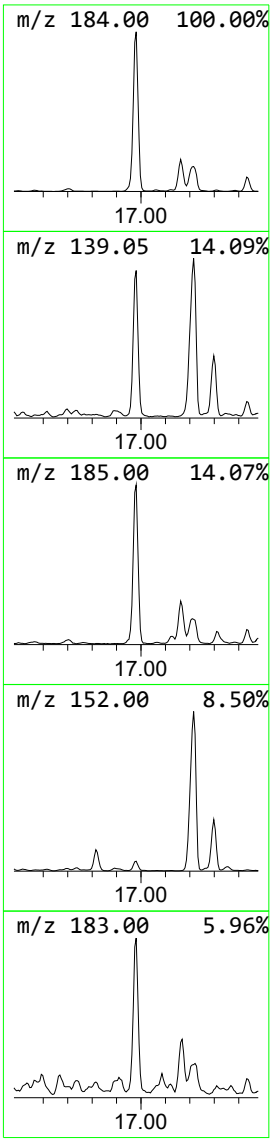
****

Peak Number 5 Dibenzothiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.980	14.30 ng	3718150	Phenanthrene-d10	17.162

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[2,3-b]thiophene	184	C12H8S	000268-77-9	95
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





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Acq On : 18 Apr 2025 21:02
Operator : RC/JU
Sample : Q1825-07 10X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
TP-11

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

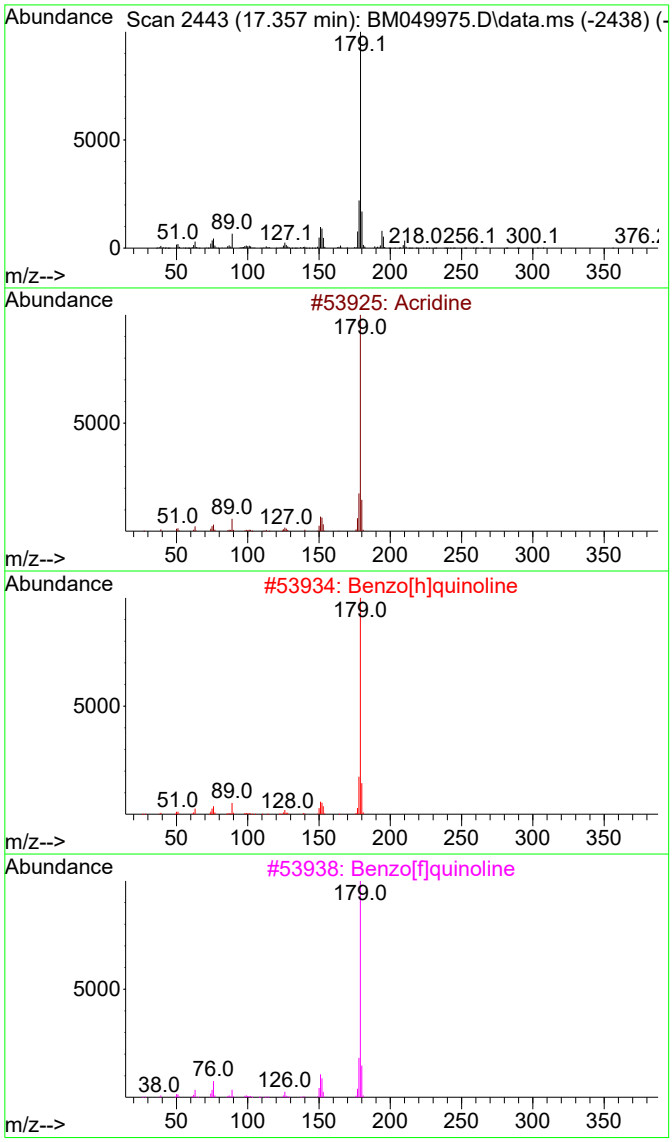
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

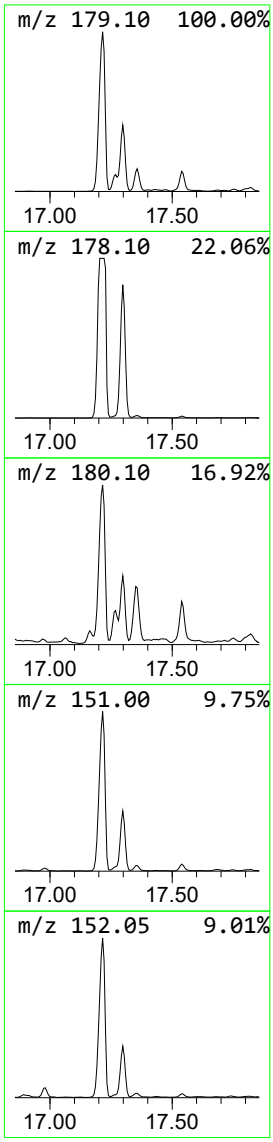
****

Peak Number 6 Acridine Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.357	6.12 ng	1592130	Phenanthrene-d10	17.162

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	94
3	Benzo[f]quinoline	179	C13H9N	000085-02-9	93
4	p-Phenylbenzonitrile	179	C13H9N	002920-38-9	91
5	Phenanthridine	179	C13H9N	000229-87-8	90





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Operator : RC/JU
Sample : Q1825-07 10X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
TP-11

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

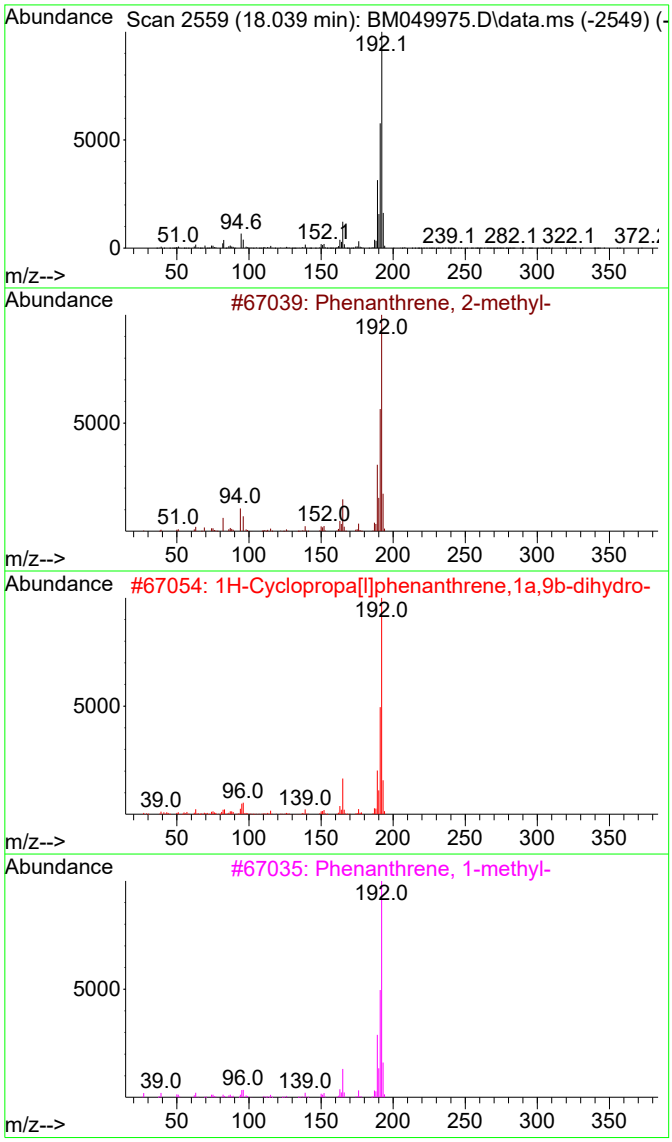
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

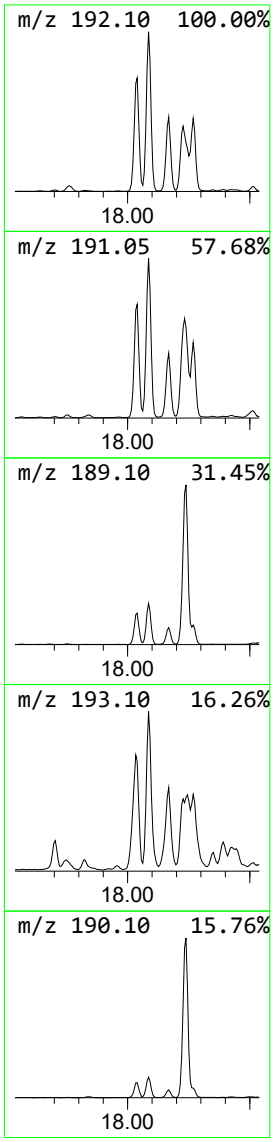
****

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.039	28.05 ng	7293600	Phenanthrene-d10	17.162

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





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Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
TP-11

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

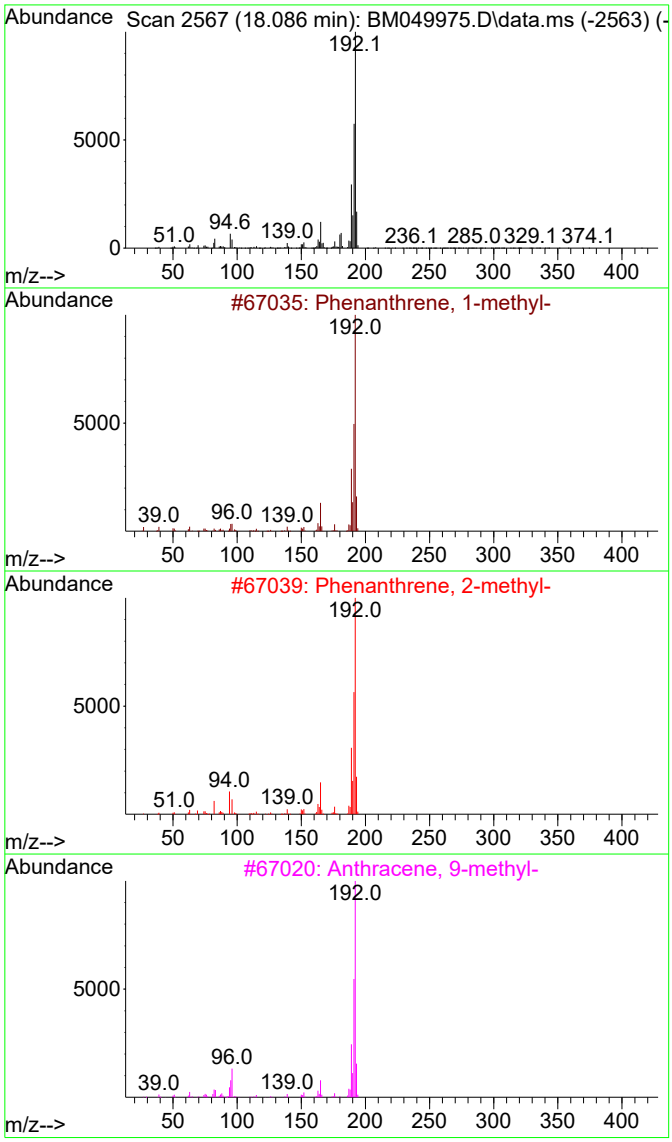
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

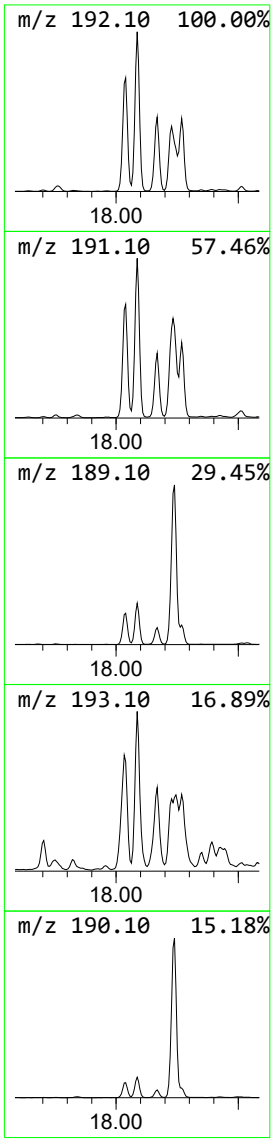
****

Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.086	35.69 ng	9278010	Phenanthrene-d10	17.162

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, 1-phenyl-	192	C15H12	001961-96-2	94





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Acq On : 18 Apr 2025 21:02
Operator : RC/JU
Sample : Q1825-07 10X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
TP-11

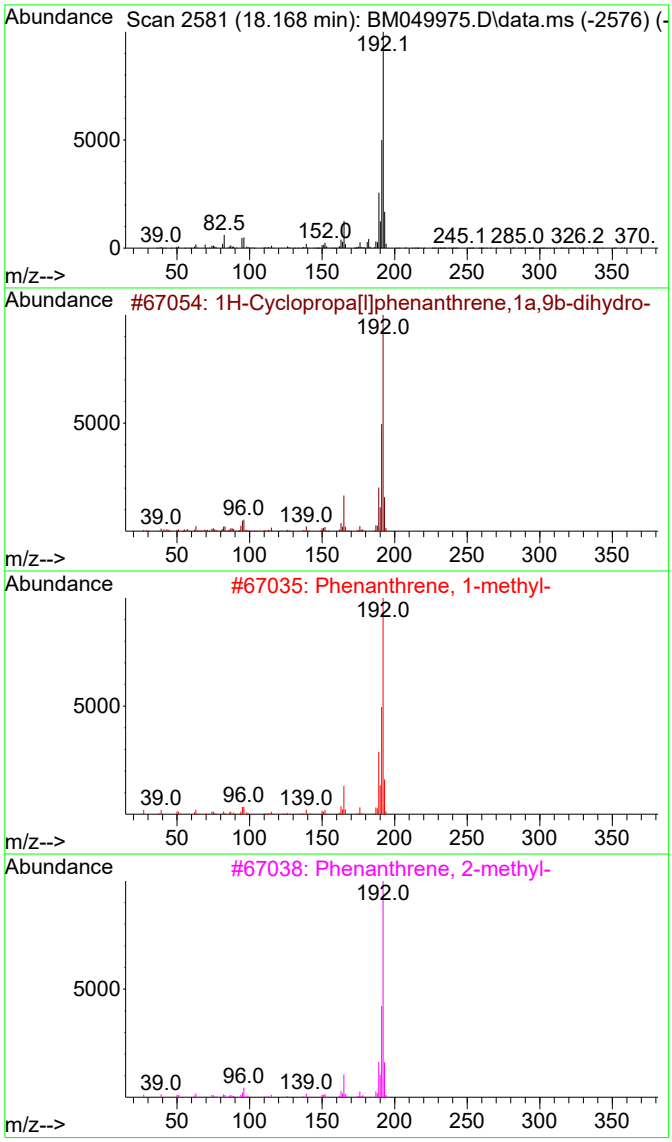
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

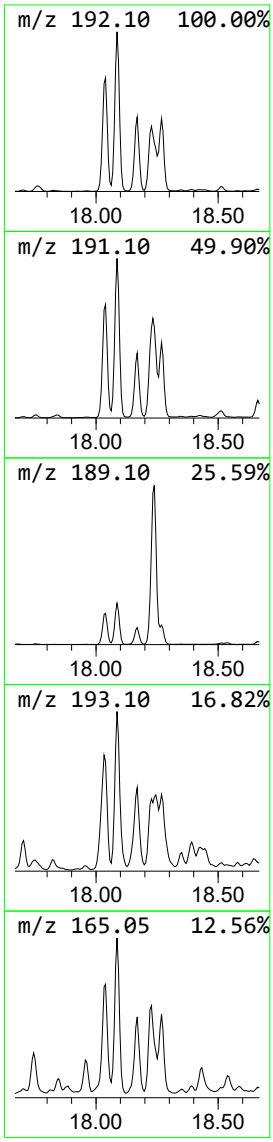
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.168	15.16 ng	3940200	Phenanthrene-d10	17.162

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





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Data File : BM049975.D
Acq On : 18 Apr 2025 21:02
Operator : RC/JU
Sample : Q1825-07 10X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
TP-11

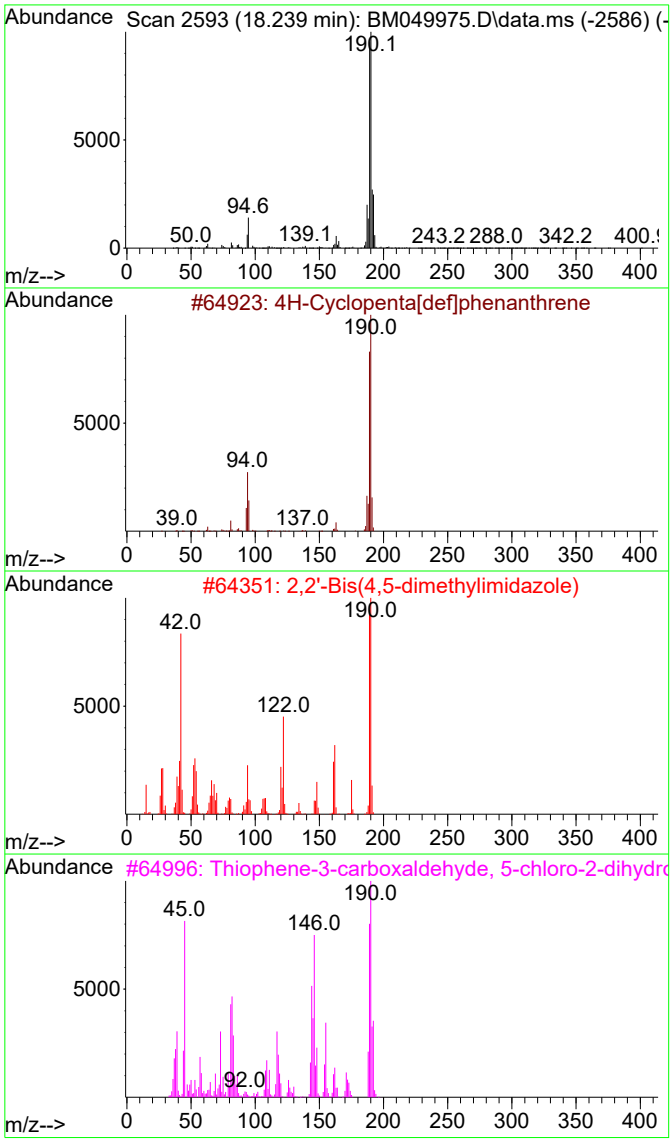
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

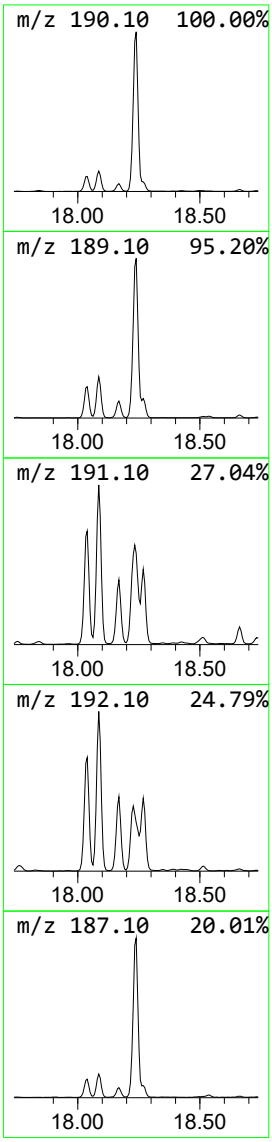
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.239	58.68 ng	15256200	Phenanthrene-d10	17.162

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	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	40
4	Methyl diselenide	190	C2H6Se2	007101-31-7	27
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25





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Acq On : 18 Apr 2025 21:02
Operator : RC/JU
Sample : Q1825-07 10X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
TP-11

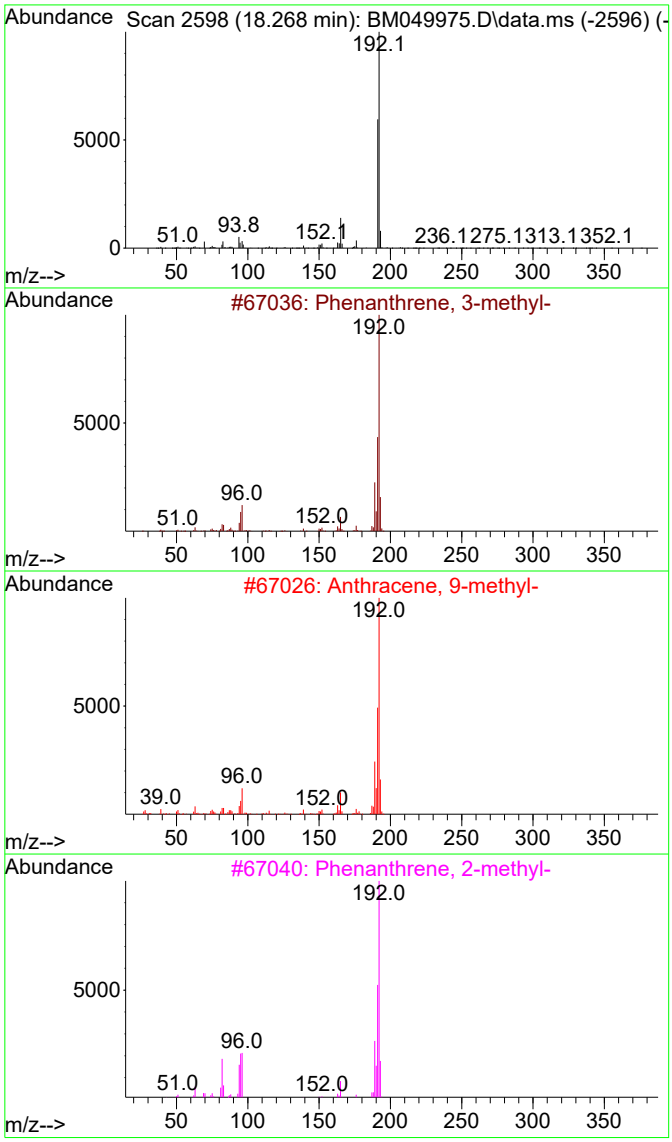
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

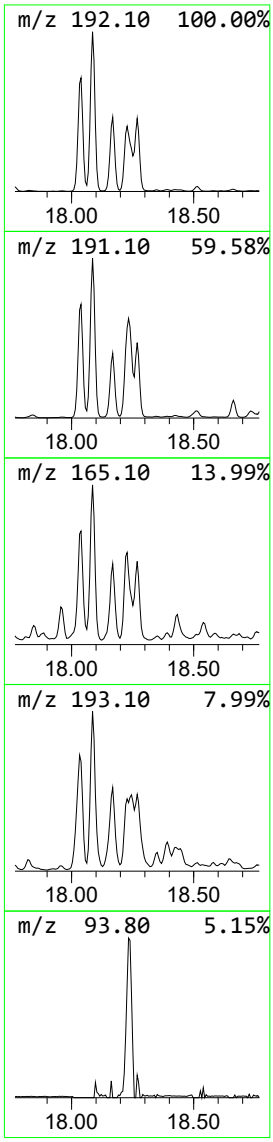
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Phenanthrene, 3-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.268	12.78 ng	3322210	Phenanthrene-d10	17.162

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	87
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	86
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	86
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	86
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	83





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Acq On : 18 Apr 2025 21:02
Operator : RC/JU
Sample : Q1825-07 10X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
TP-11

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

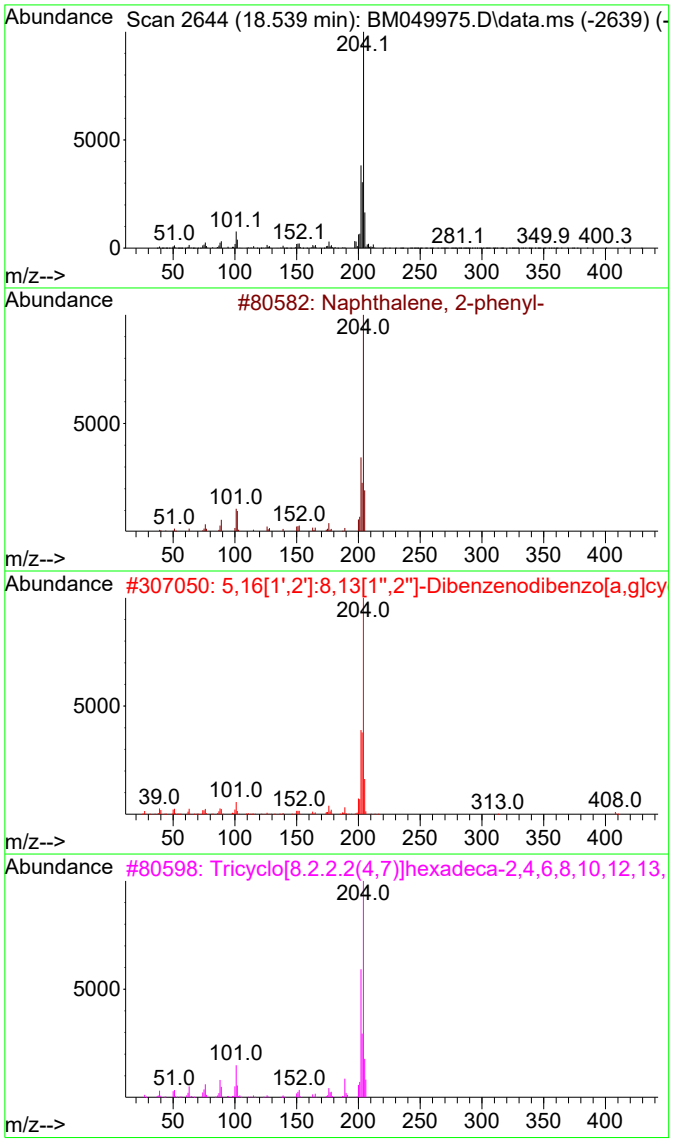
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

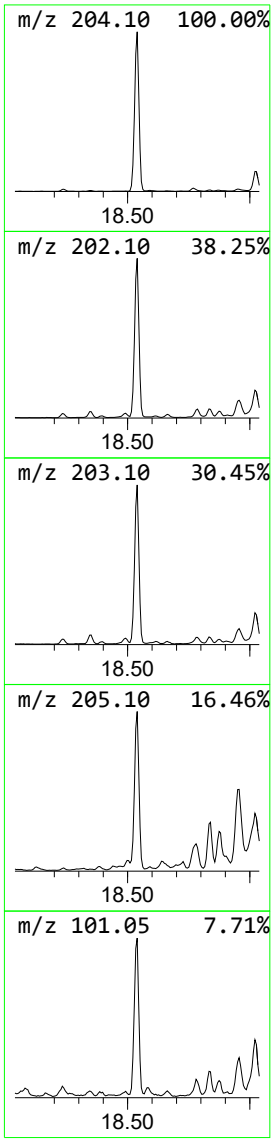
****

Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.539	19.54 ng	5081180	Phenanthrene-d10	17.162

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	91
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	83
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	53
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47





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Sample : Q1825-07 10X
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-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

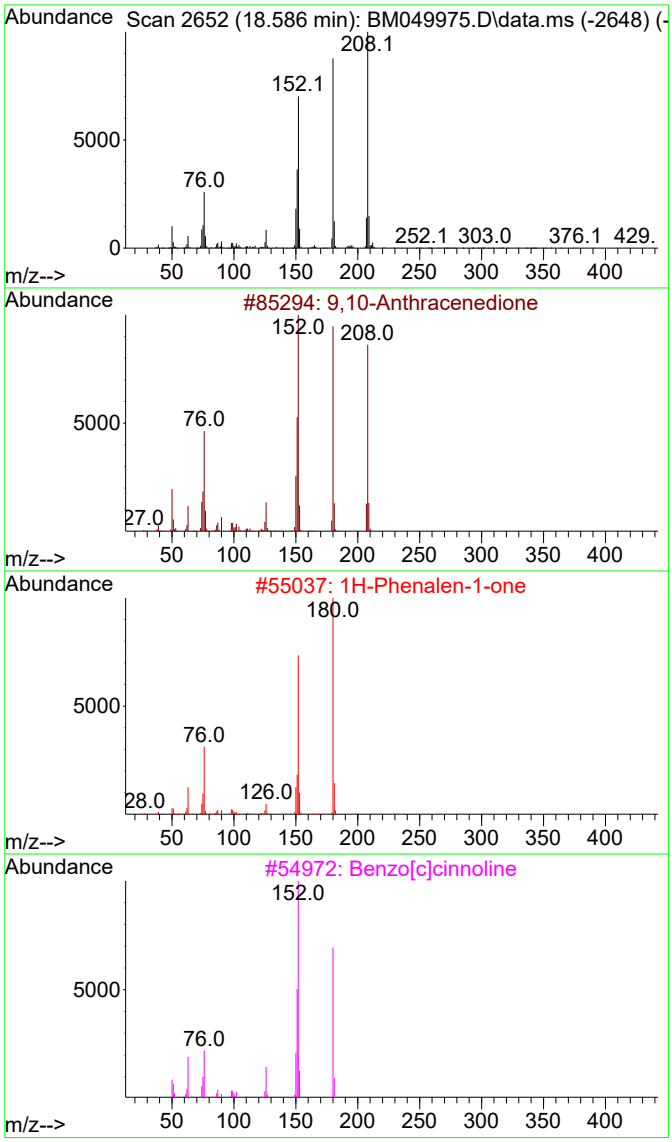
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

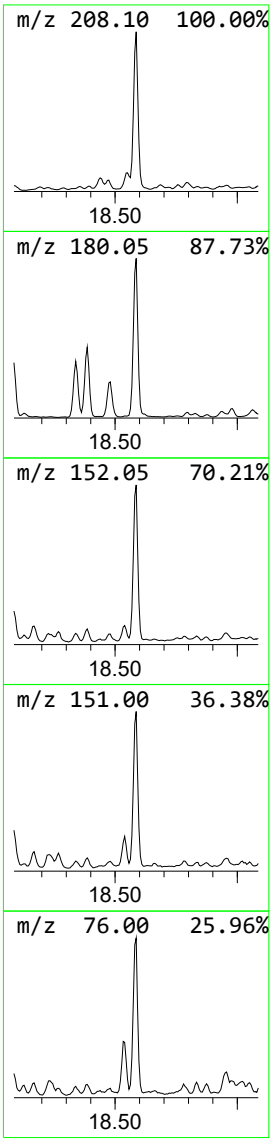
****

Peak Number 13 9,10-Anthracenedione Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.586	10.49 ng	2725950	Phenanthrene-d10	17.162

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	1H-Phenalen-1-one	180	C13H8O	000548-39-0	78
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60
4	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	49
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	49





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Acq On : 18 Apr 2025 21:02
Operator : RC/JU
Sample : Q1825-07 10X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TP-11

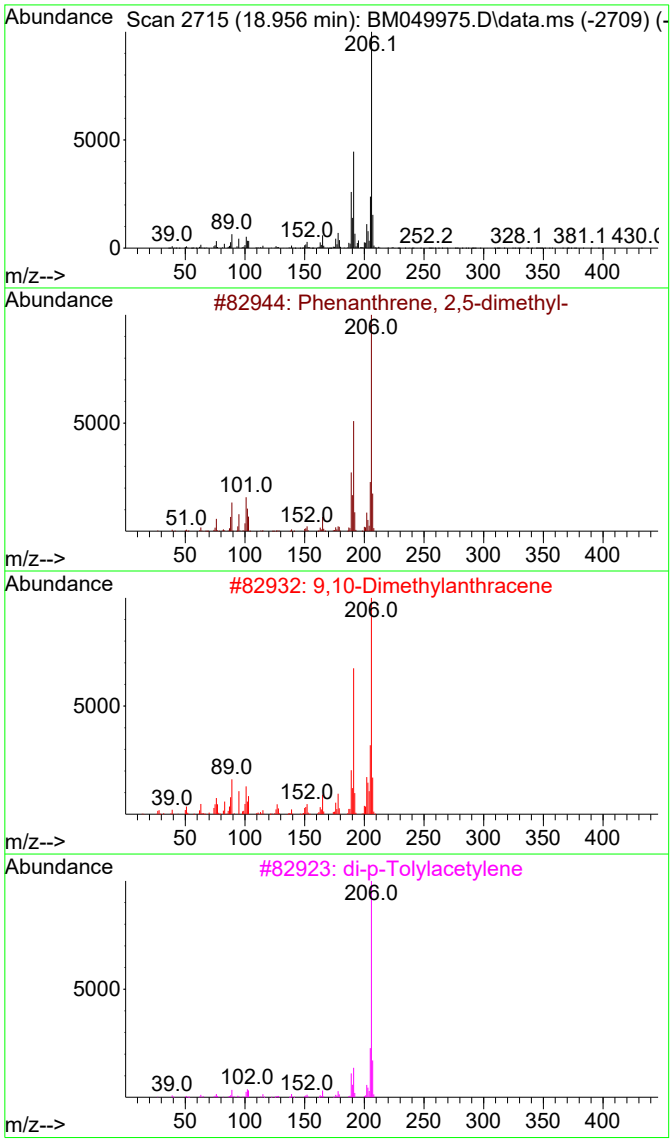
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

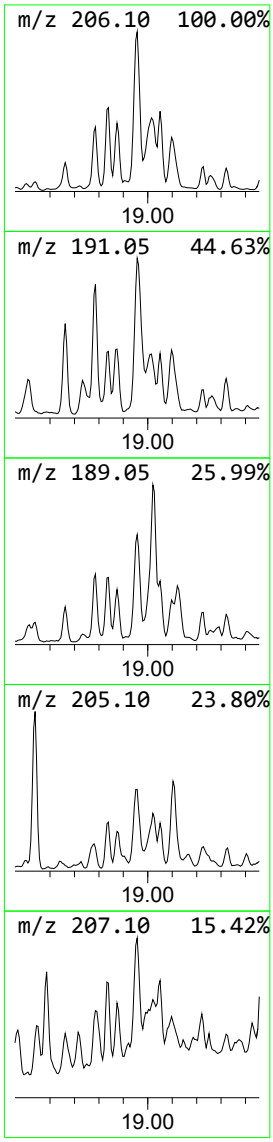
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.956	12.38 ng	3217310	Phenanthrene-d10	17.162

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86





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Sample : Q1825-07 10X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
TP-11

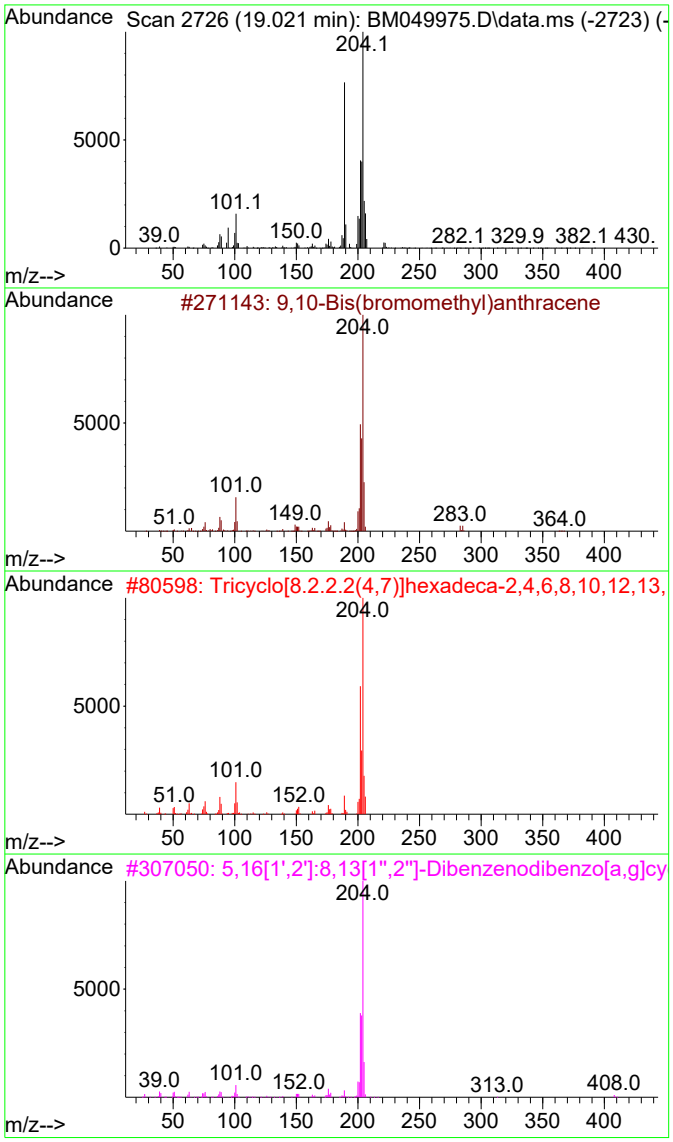
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

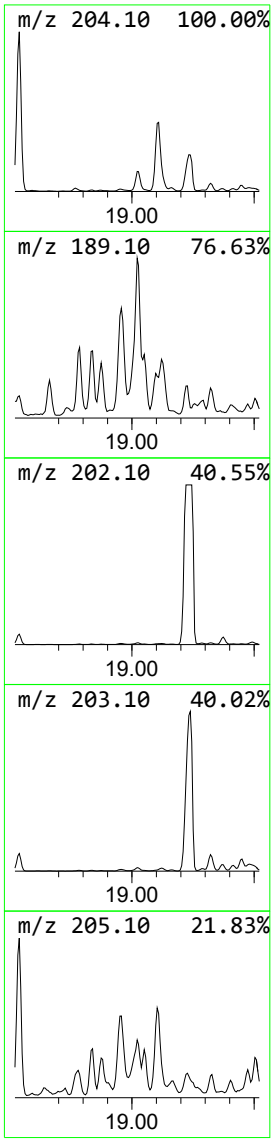
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 9,10-Bis(bromomethyl)anthra... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.021	6.93 ng	1801750	Phenanthrene-d10	17.162

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	55
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	52
4	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	52
5	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	50





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BNA_M
ClientSampleId :
TP-11

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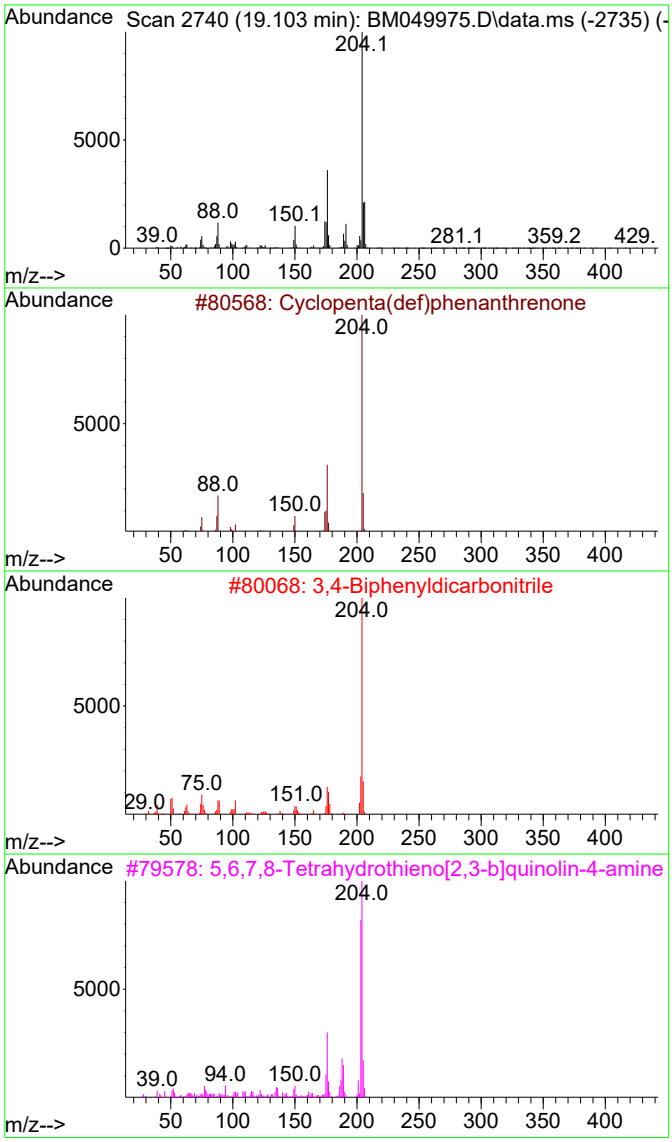
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

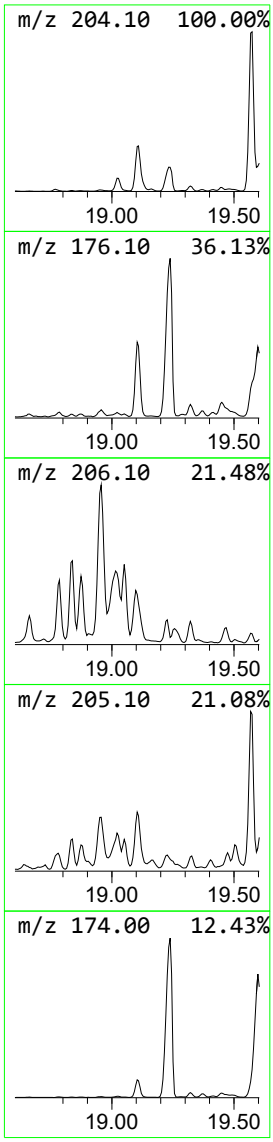
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.104	13.58 ng	3530620	Phenanthrene-d10	17.162

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	59
3	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	50
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47
5	Ethyl .alpha.-D-glucopyranoside,...	496	C20H48O6Si4	1000365-90-0	47





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Operator : RC/JU
Sample : Q1825-07 10X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
TP-11

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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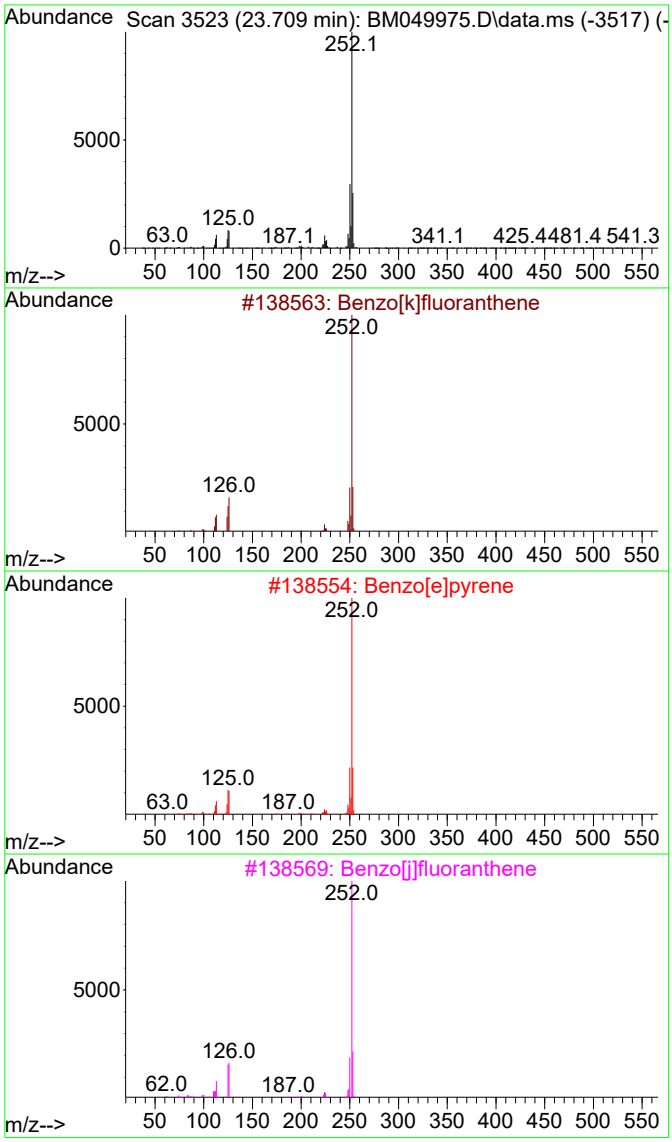
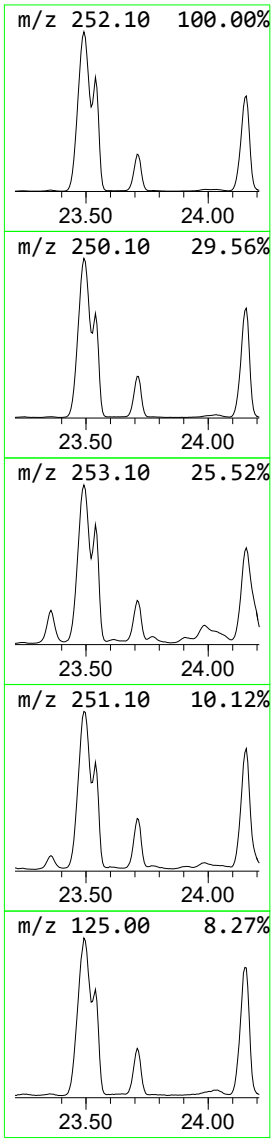
Peak Number 17 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.709	25.54 ng	8525330	Perylene-d12	24.421

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
2	Benzo[e]pyrene	252	C20H12	000192-97-2	95
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	91
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041825\
Data File : BM049975.D
Acq On : 18 Apr 2025 21:02
Operator : RC/JU
Sample : Q1825-07 10X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
TP-11

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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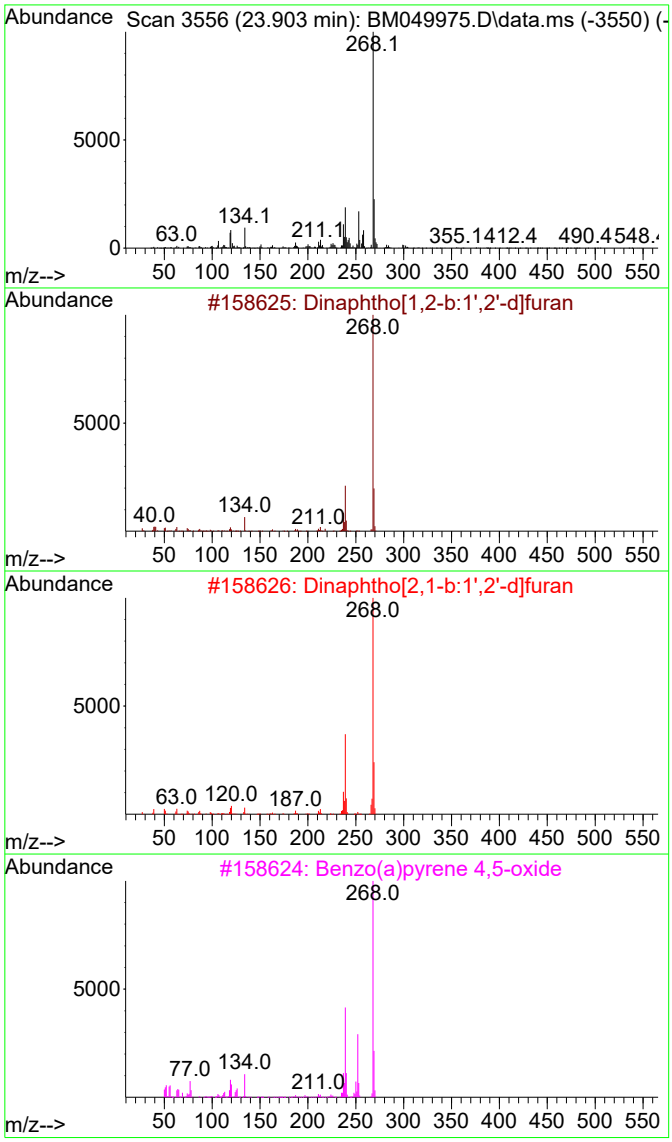
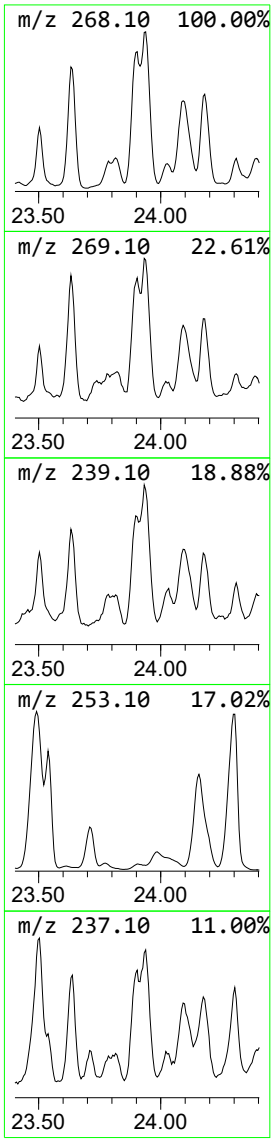
Peak Number 18 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.903	7.41 ng	2471620	Perylene-d12	24.421

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	95
2	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	83
3	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	80
4	Naphthalene, 1-(2-naphthalenylme...	268	C21H16	000611-48-3	80
5	4H-Dibenz[a,kl]anthracene, 5,6-d...	268	C21H16	007198-87-0	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041825\
Data File : BM049975.D
Acq On : 18 Apr 2025 21:02
Operator : RC/JU
Sample : Q1825-07 10X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
TP-11

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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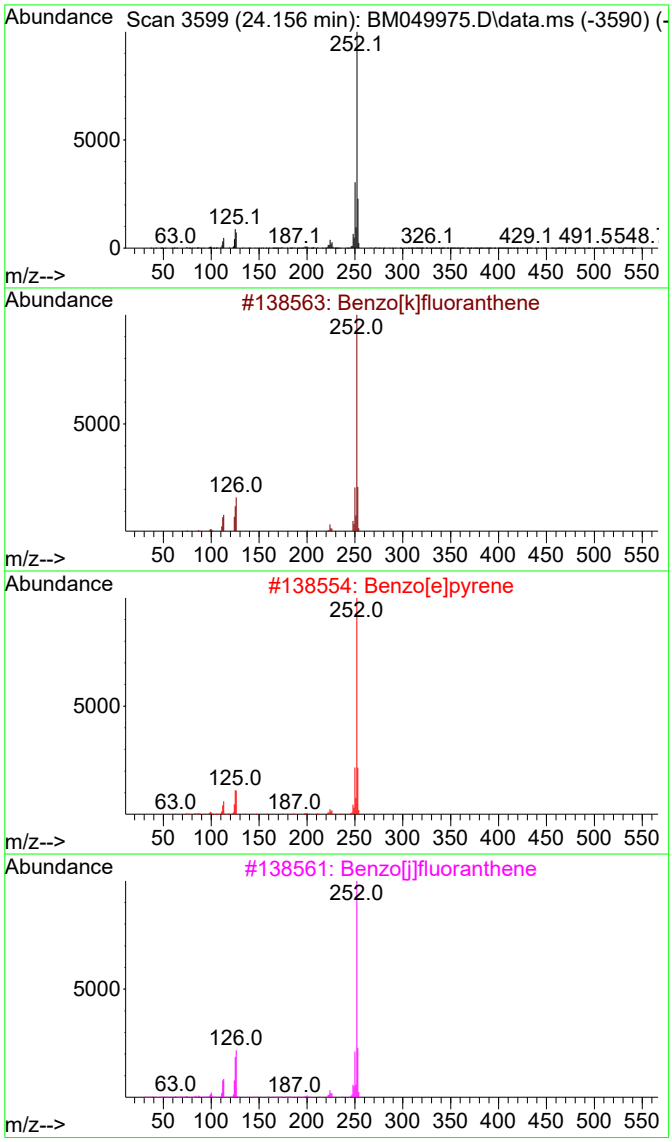
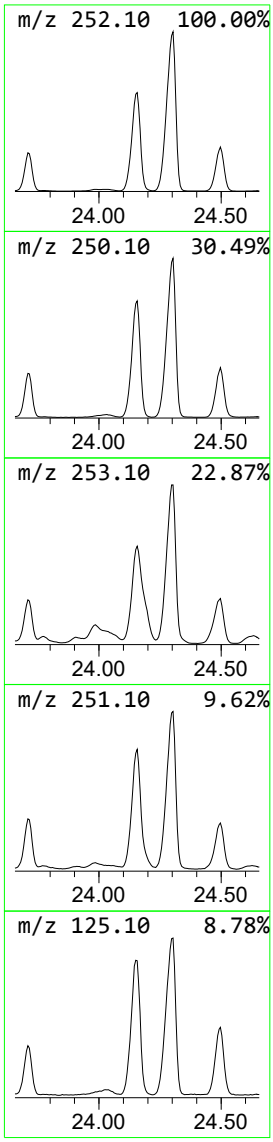
Peak Number 19 Benzo[j]fluoranthene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.156	88.35 ng	29488500	Perylene-d12	24.421

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





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041825\
Data File : BM049975.D
Acq On : 18 Apr 2025 21:02
Operator : RC/JU
Sample : Q1825-07 10X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
TP-11

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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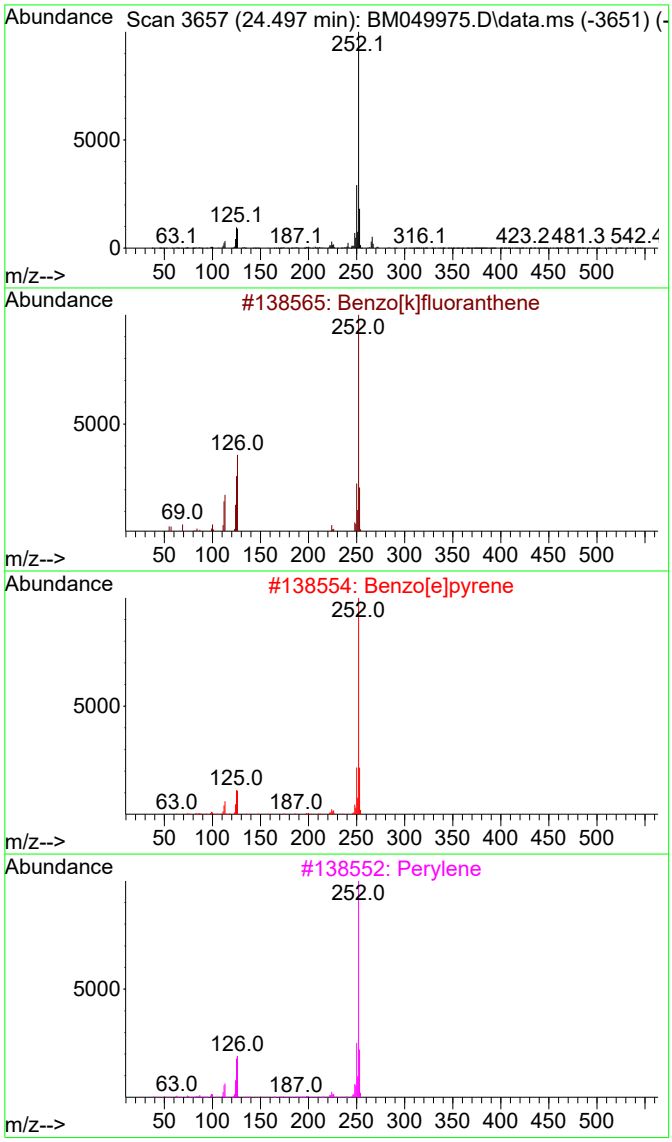
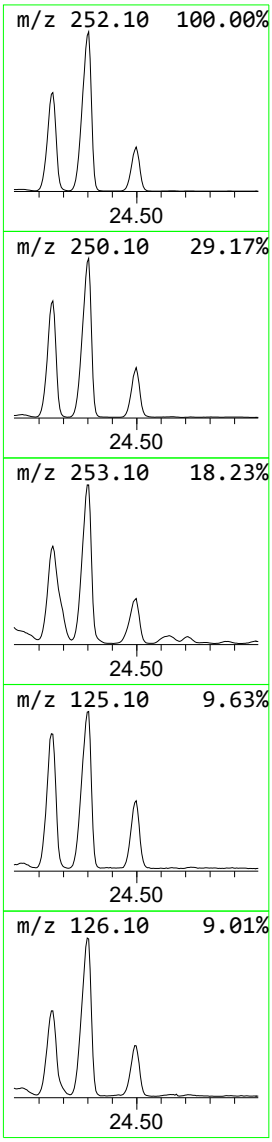
Peak Number 20 Perylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.497	42.11 ng	14056400	Perylene-d12	24.421

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
2	Benzo[e]pyrene	252	C20H12	000192-97-2	90
3	Perylene	252	C20H12	000198-55-0	89
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	81
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	76





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041825\
Data File : BM049975.D
Acq On : 18 Apr 2025 21:02
Operator : RC/JU
Sample : Q1825-07 10X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
TP-11

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
9H-Fluoren-3-ol	15.757	8.0	ng	2358730	3	14.416	5898370	20.0
9H-Fluorene, 1-...	16.468	10.0	ng	2608500	4	17.162	5199670	20.0
9H-Fluoren-9-one	16.815	8.6	ng	2239500	4	17.162	5199670	20.0
4-(4-Methylphen...	16.892	7.0	ng	1830340	4	17.162	5199670	20.0
Dibenzothiophene	16.980	14.3	ng	3718150	4	17.162	5199670	20.0
Acridine	17.357	6.1	ng	1592130	4	17.162	5199670	20.0
Phenanthrene, 2...	18.039	28.1	ng	7293600	4	17.162	5199670	20.0
Phenanthrene, 1...	18.086	35.7	ng	9278010	4	17.162	5199670	20.0
1H-Cyclopropa[l...	18.168	15.2	ng	3940200	4	17.162	5199670	20.0
4H-Cyclopenta[d...	18.239	58.7	ng	15256200	4	17.162	5199670	20.0
Phenanthrene, 3...	18.268	12.8	ng	3322210	4	17.162	5199670	20.0
Naphthalene, 2-...	18.539	19.5	ng	5081180	4	17.162	5199670	20.0
9,10-Anthracene...	18.586	10.5	ng	2725950	4	17.162	5199670	20.0
Phenanthrene, 2...	18.956	12.4	ng	3217310	4	17.162	5199670	20.0
9,10-Bis(bromom...	19.021	6.9	ng	1801750	4	17.162	5199670	20.0
Cyclopenta(def)...	19.104	13.6	ng	3530620	4	17.162	5199670	20.0
Benzo[e]pyrene	23.709	25.5	ng	8525330	6	24.421	6675320	20.0
Dinaphtho[1,2-b...	23.903	7.4	ng	2471620	6	24.421	6675320	20.0
Benzo[j]fluoran...	24.156	88.3	ng	29488500	6	24.421	6675320	20.0
Perylene	24.497	42.1	ng	14056400	6	24.421	6675320	20.0