LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040425\
Data File : BM049826.D
Acq On : 04 Apr 2025 16:40
Operator : RC/JU
Sample : Q1712-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
Z-05A

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: BM049826.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.369	399	405	414	rBV	2091330	2907987	3.05%	0.271%
2	6.957	665	675	694	rBV	2061479	3228494	3.38%	0.301%
3	7.786	808	816	823	rBV	1156909	1764688	1.85%	0.164%
4	8.939	1006	1012	1022	rVB	1251852	1961341	2.05%	0.183%
5	10.580	1282	1291	1295	rBV	1443922	2400663	2.51%	0.224%
6	10.627	1295	1299	1306	rVB	1427608	2344042	2.45%	0.218%
7	12.245	1565	1574	1582	rBV	972291	1459988	1.53%	0.136%
8	12.463	1602	1611	1622	rVB	913635	1464628	1.53%	0.136%
9	13.045	1704	1710	1722	rVB	3132043	4593245	4.81%	0.428%
10	13.751	1822	1830	1835	rBV	988190	1743540	1.83%	0.162%
11	14.151	1888	1898	1911	rBV	2537074	3923381	4.11%	0.365%
12	14.427	1935	1945	1950	rBV2	2375772	3815501	4.00%	0.355%
13	14.492	1950	1956	1963	rVV	2804468	4166892	4.36%	0.388%
14	14.827	2007	2013	2020	rVB	2755931	3960994	4.15%	0.369%
15	15.474	2117	2123	2134	rVB	4662614	6455539	6.76%	0.601%
16	15.768	2168	2173	2183	rVB2	1423118	2702316	2.83%	0.252%
17	15.915	2190	2198	2206	rVB	4120337	6559279	6.87%	0.611%
18	16.480	2291	2294	2298	rVV2	1153507	1773304	1.86%	0.165%
19	16.527	2298	2302	2308	rVB2	843012	1282999	1.34%	0.120%
20	16.827	2348	2353	2360	rVB	3455242	5050459	5.29%	0.470%
21	16.992	2376	2381	2391	rVB	2927851	4473245	4.68%	0.417%
22	17.174	2407	2412	2414	rBV	2478450	3632612	3.80%	0.338%
23	17.227	2414	2421	2426	rVV2	40138227	68430469	71.67%	6.375%
24	17.309	2426	2435	2440	rVV	11232691	16279761	17.05%	1.517%
25	17.362	2440	2444	2449	rVB3	1142900	1806989	1.89%	0.168%
26	17.574	2470	2480	2484	rBV	5070885	8251164	8.64%	0.769%
27	17.692	2496	2500	2504	rVB	1046074	1278209	1.34%	0.119%
28	17.751	2505	2510	2515	rVV	2061875	2662070	2.79%	0.248%
29	17.892	2530	2534	2543	rVB	975970	1654849	1.73%	0.154%
30	18.051	2551	2561	2564	rBV	9496165	13828397	14.48%	1.288%
31	18.098	2564	2569	2576	rVB	12805702	17384160	18.21%	1.619%
32	18.174	2576	2582	2587	rBV	3490717	5229948	5.48%	0.487%
33	18.239	2587	2593	2597	rVV2	11661186	20679887	21.66%	1.927%
34	18.280	2597	2600	2606	rVB	6738167	8777212	9.19%	0.818%
35	18.356	2606	2613	2616	rBV2	611839	1363649	1.43%	0.127%
36	18.550	2641	2646	2649	rVV	5841483	7935427	8.31%	0.739%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040425\
Data File : BM049826.D
Acq On : 04 Apr 2025 16:40
Operator : RC/JU
Sample : Q1712-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
Z-05A

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	18.592	2649	2653	2663	rVB2	5269607	7523693	7.88%	0.701%
38	18.674	2663	2667	2673	rBV	915676	1345544	1.41%	0.125%
39	18.792	2684	2687	2692	rVV	2469970	3586852	3.76%	0.334%
40	18.845	2692	2696	2699	rVV	2311191	2890713	3.03%	0.269%
41	18.886	2699	2703	2707	rVB	1958735	2544380	2.66%	0.237%
42	18.968	2711	2717	2722	rVV	5786272	9727201	10.19%	0.906%
43	19.033	2722	2728	2731	rVV2	2906358	6407790	6.71%	0.597%
44	19.062	2731	2733	2736	rVV	1794946	1899127	1.99%	0.177%
45	19.109	2736	2741	2749	rVB	5070864	8465036	8.87%	0.789%
46	19.245	2755	2764	2769	rBV2	45563681	84570202	88.57%	7.879%
47	19.297	2769	2773	2776	rVV	1427048	1922759	2.01%	0.179%
48	19.333	2776	2779	2784	rVV2	1968676	2745556	2.88%	0.256%
49	19.380	2784	2787	2791	rVB	1438083	1652614	1.73%	0.154%
50	19.433	2791	2796	2799	rBV3	1620020	2595735	2.72%	0.242%
51	19.474	2799	2803	2807	rVV	2758688	3809697	3.99%	0.355%
52	19.509	2807	2809	2814	rVB3	1001138	1342675	1.41%	0.125%
53	19.609	2814	2826	2831	rBV4	44254952	95484298	100.00%	8.895%
54	19.662	2831	2835	2842	rVB2	3586950	5936950	6.22%	0.553%
55	19.774	2842	2854	2855	rBV2	3412687	6075283	6.36%	0.566%
56	19.792	2855	2857	2861	rVV	5605448	6656910	6.97%	0.620%
57	19.833	2861	2864	2869	rVB	3541350	4882190	5.11%	0.455%
58	19.927	2872	2880	2885	rBV3	5104918	13104013	13.72%	1.221%
59	20.050	2896	2901	2904	rVV4	3845985	7035820	7.37%	0.655%
60	20.086	2904	2907	2912	rVB	8895859	11815970	12.37%	1.101%
61	20.186	2920	2924	2928	rVV	3623919	4758668	4.98%	0.443%
62	20.244	2928	2934	2938	rVV2	7473382	11699714	12.25%	1.090%
63	20.286	2938	2941	2945	rVB	1466402	1738682	1.82%	0.162%
64	20.327	2945	2948	2953	rVB3	1186101	1631766	1.71%	0.152%
65	20.386	2954	2958	2962	rBV	5190583	6370455	6.67%	0.593%
66	20.433	2962	2966	2970	rVB	5503976	6499224	6.81%	0.605%
67	20.544	2982	2985	2990	rVB3	1320015	1910144	2.00%	0.178%
68	20.644	2998	3002	3004	rBV3	1053129	1660510	1.74%	0.155%
69	20.680	3004	3008	3010	rVV3	1012340	1608162	1.68%	0.150%
70	20.750	3017	3020	3023	rVB3	1081082	1258947	1.32%	0.117%
71	20.839	3030	3035	3041	rVB	9752093	13148500	13.77%	1.225%
72	21.009	3057	3064	3068	rVV2	7440016	14326782	15.00%	1.335%
73	21.050	3068	3071	3075	rVV	6210322	8536470	8.94%	0.795%
74	21.097	3075	3079	3084	rVV2	5391185	9608789	10.06%	0.895%
75	21.156	3084	3089	3097	rVB2	8429780	13732468	14.38%	1.279%
76	21.274	3102	3109	3119	rBV2	1805002	4516168	4.73%	0.421%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040425\
Data File : BM049826.D
Acq On : 04 Apr 2025 16:40
Operator : RC/JU
Sample : Q1712-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
Z-05A

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	21.403	3120	3131	3136	rBV4	38149906	73785769	77.28%	6.874%
78	21.468	3136	3142	3152	rVB2	32672079	56865103	59.55%	5.298%
79	21.556	3153	3157	3160	rBV4	1228228	1735048	1.82%	0.162%
80	21.603	3160	3165	3170	rBV	3038764	4960368	5.19%	0.462%
81	21.662	3171	3175	3181	rBV4	1260446	3198959	3.35%	0.298%
82	21.791	3192	3197	3204	rBV2	3824353	7299457	7.64%	0.680%
83	21.856	3204	3208	3212	rVV4	1528408	2369809	2.48%	0.221%
84	22.027	3234	3237	3241	rVB	1192335	1602726	1.68%	0.149%
85	22.103	3241	3250	3255	rBV	6100081	11334256	11.87%	1.056%
86	22.168	3256	3261	3267	rVB	3627113	6293739	6.59%	0.586%
87	22.256	3270	3276	3279	rBV3	1380985	2717651	2.85%	0.253%
88	22.356	3288	3293	3297	rBV	2864688	4976913	5.21%	0.464%
89	22.397	3297	3300	3307	rVB4	2069031	3579552	3.75%	0.333%
90	22.491	3309	3316	3329	rVB4	1895129	4813908	5.04%	0.448%
91	23.127	3416	3424	3440	rVB2	1815794	6758931	7.08%	0.630%
92	23.491	3475	3486	3492	rBV2	21032887	66641252	69.79%	6.208%
93	23.715	3518	3524	3531	rVB	3728372	7470695	7.82%	0.696%
94	23.903	3551	3556	3560	rBV2	1056240	2429817	2.54%	0.226%
95	24.156	3590	3599	3611	rVB	12042013	33719336	35.31%	3.141%
96	24.303	3613	3624	3633	rVB	18442491	45642279	47.80%	4.252%
97	24.421	3637	3644	3650	rVV	2283644	6495294	6.80%	0.605%
98	24.497	3651	3657	3671	rVB2	4808029	14432769	15.12%	1.345%
99	27.856	4213	4228	4245	rVB2	7373557	34589178	36.22%	3.222%
100	28.915	4393	4408	4430	rVB	5593429	25462767	26.67%	2.372%

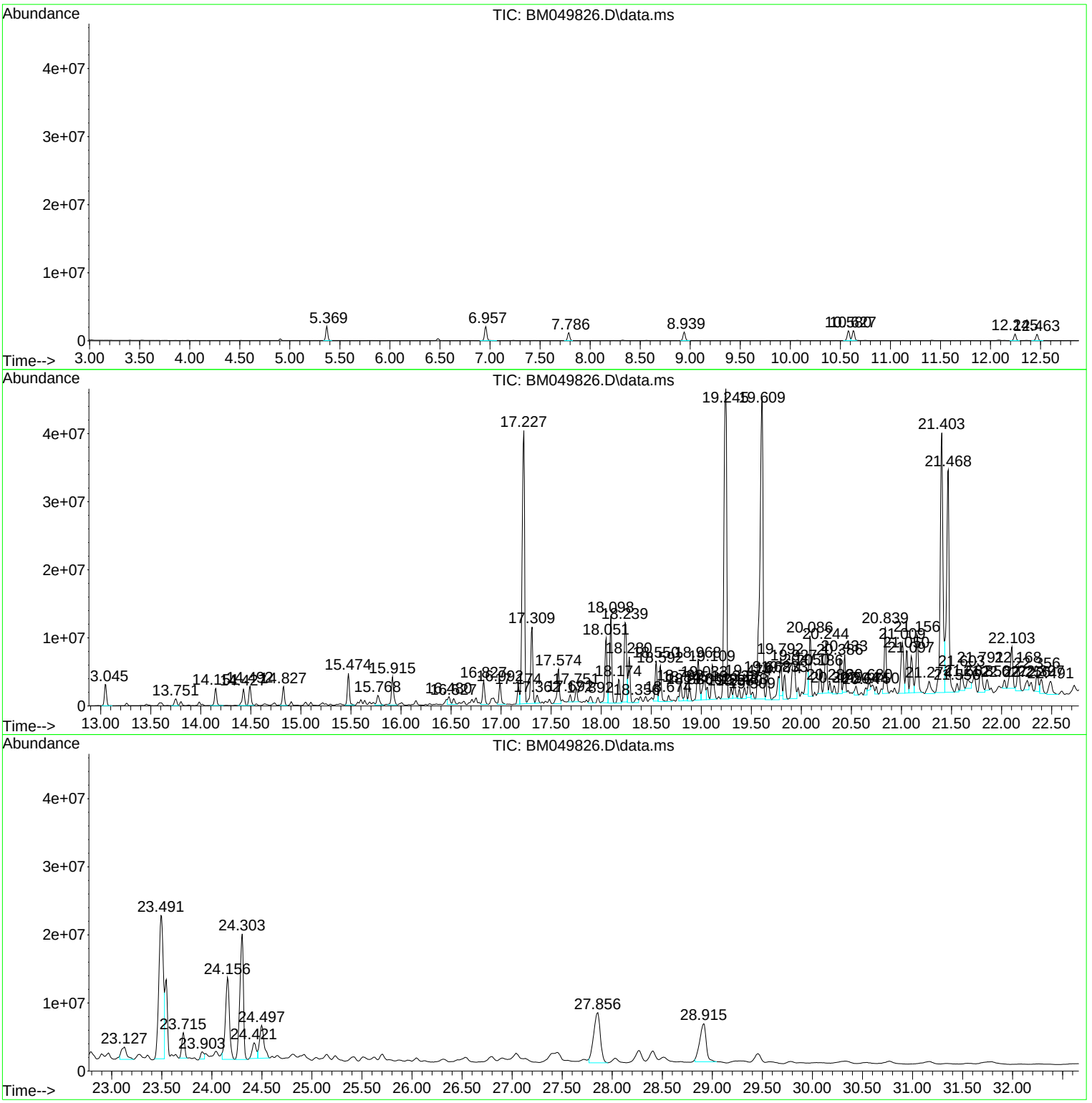
Sum of corrected areas: 1073429361

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040425\
Data File : BM049826.D
Acq On : 04 Apr 2025 16:40
Operator : RC/JU
Sample : Q1712-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
Z-05A

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\BM040425\
Data File : BM049826.D
Acq On : 04 Apr 2025 16:40
Operator : RC/JU
Sample : Q1712-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
Z-05A

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

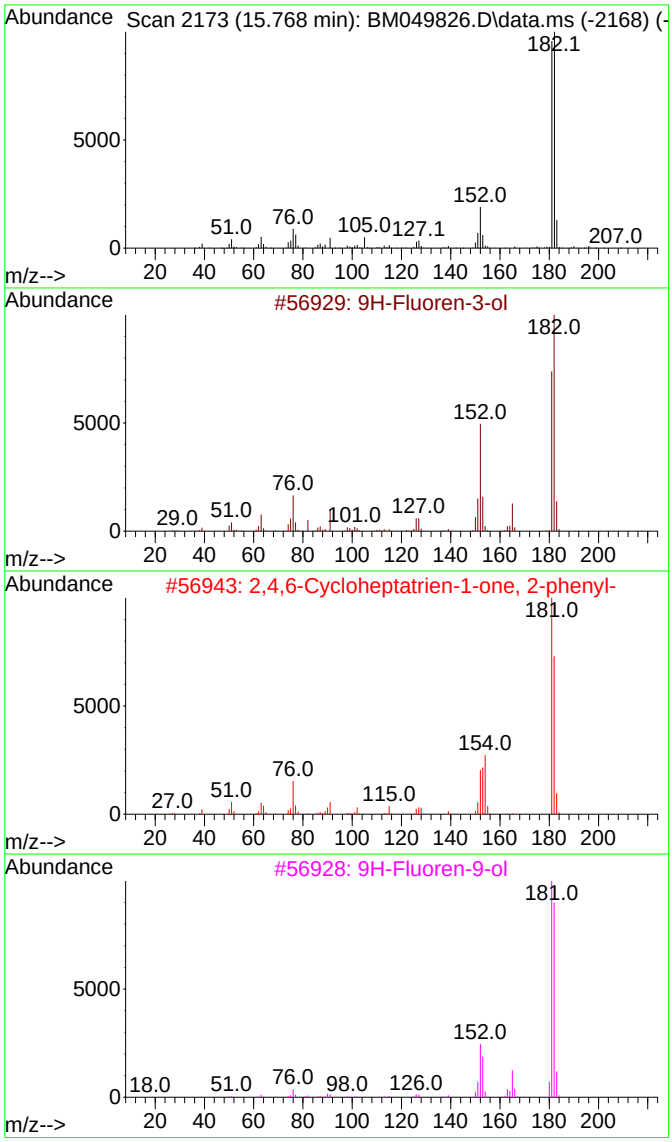
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

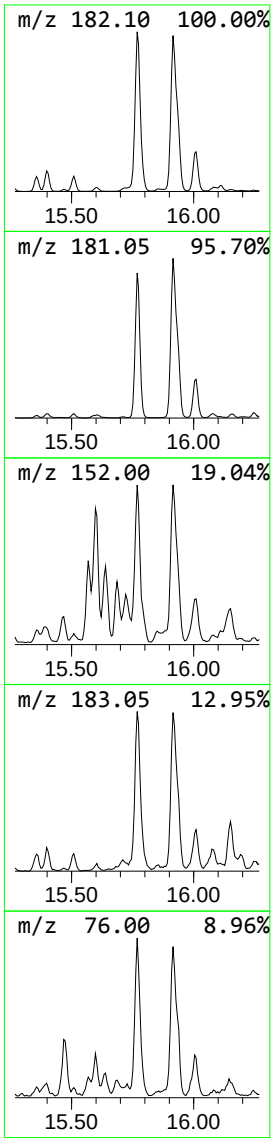
****

Peak Number 1 9H-Fluoren-3-ol Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.768	14.16 ng	2702320	Acenaphthene-d10	14.427

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-3-ol	182	C13H10O	006344-67-8	91
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	8-Methyl-5H-pyrido[4,3-b]indole	182	C12H10N2	088894-13-7	64
5	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040425\
Data File : BM049826.D
Acq On : 04 Apr 2025 16:40
Operator : RC/JU
Sample : Q1712-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
Z-05A

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

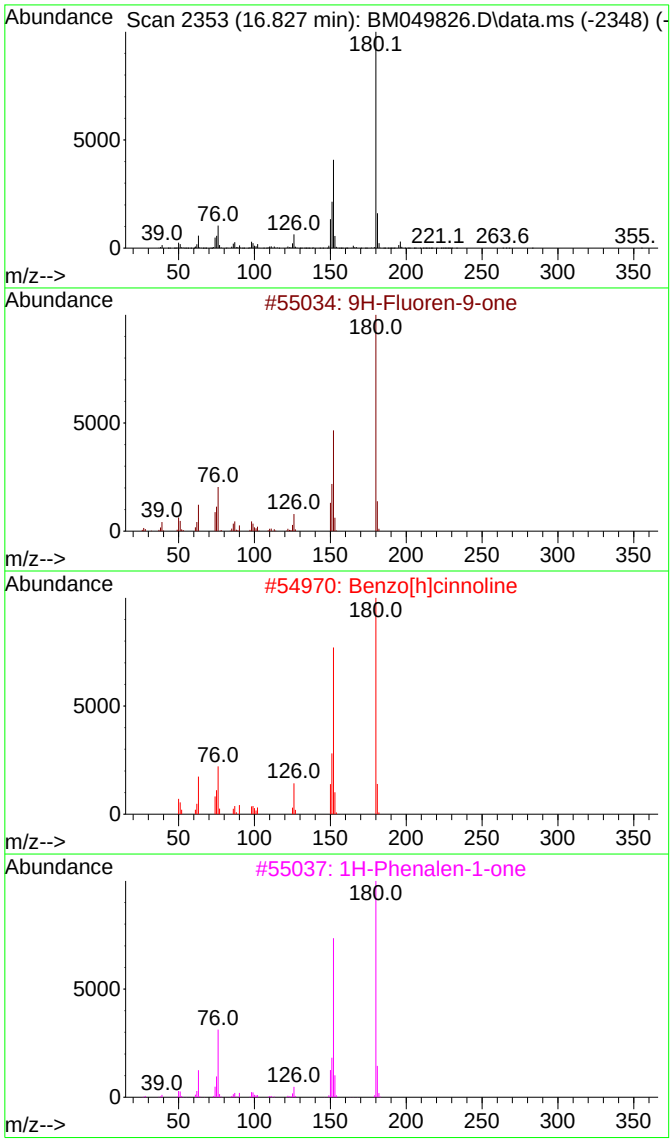
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

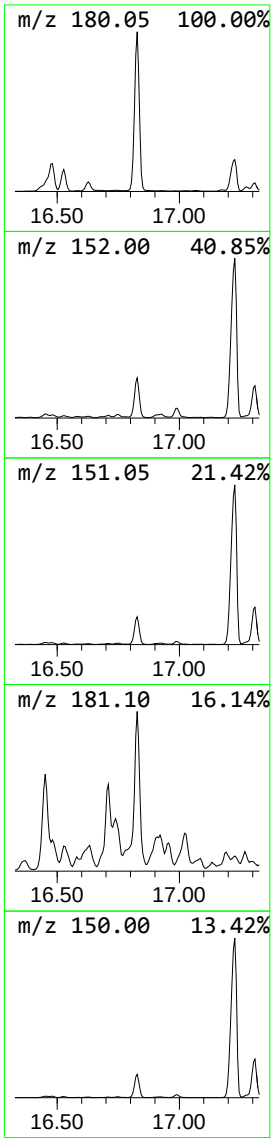
****

Peak Number 2 9H-Fluoren-9-one Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.827	27.81 ng	5050460	Phenanthrene-d10	17.174

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	86
4	6H-Purine-6-thione, 9-ethyl-1,9-...	180	C7H8N4S	005427-20-3	59
5	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040425\
Data File : BM049826.D
Acq On : 04 Apr 2025 16:40
Operator : RC/JU
Sample : Q1712-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
Z-05A

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

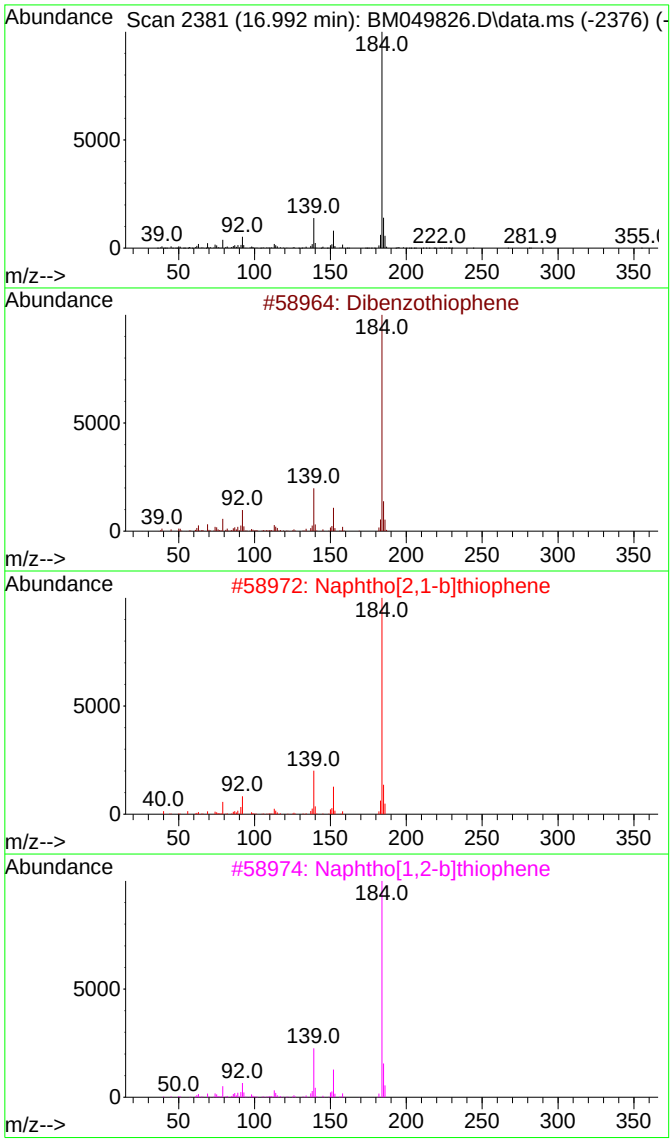
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

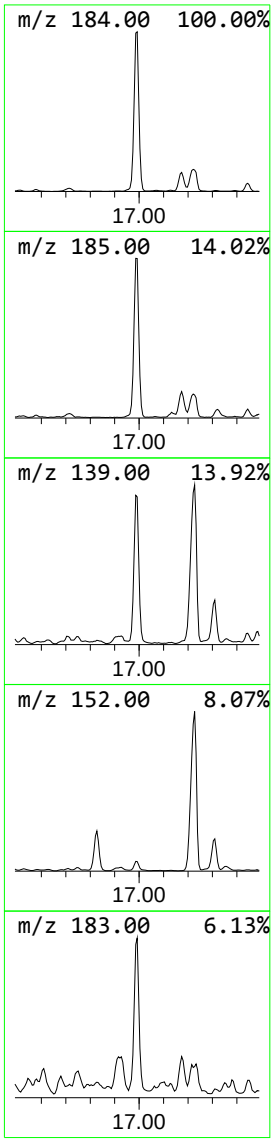
****

Peak Number 3 Dibenzothiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.992	24.63 ng	4473250	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	94
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040425\
Data File : BM049826.D
Acq On : 04 Apr 2025 16:40
Operator : RC/JU
Sample : Q1712-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
Z-05A

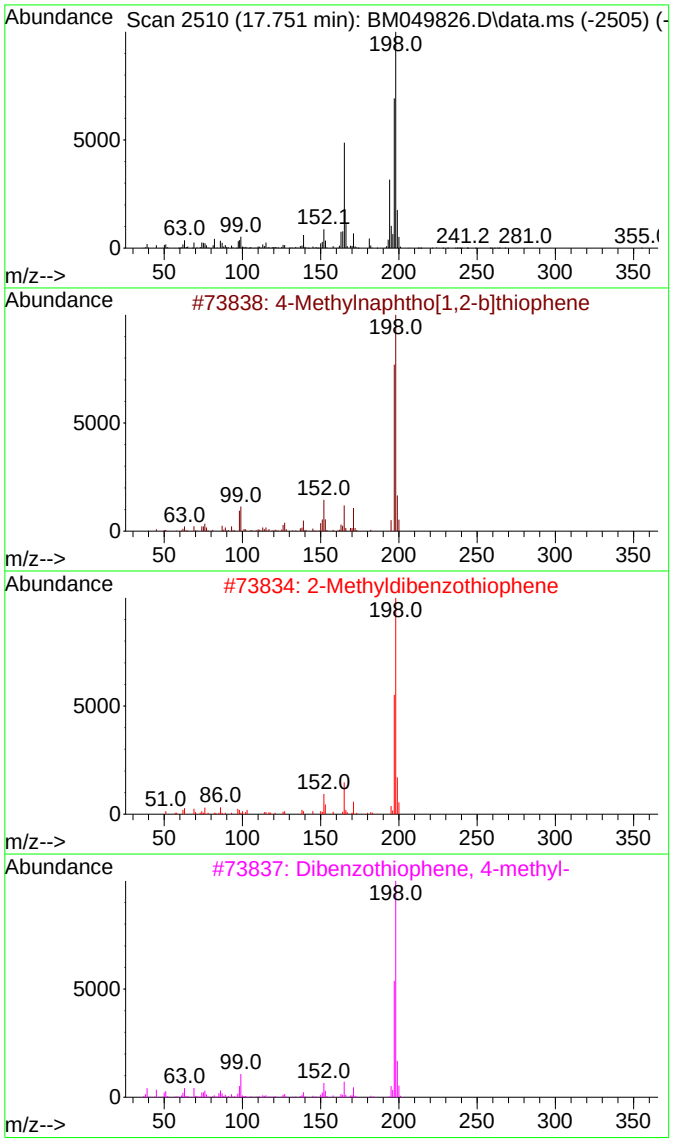
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

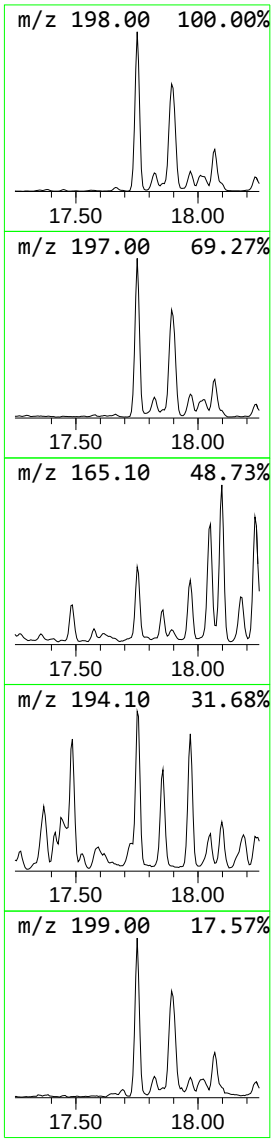
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 4-Methylnaphtho[1,2-b]thiop... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.750	14.66 ng	2662070	Phenanthrene-d10	17.174

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	91
2	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	87
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	70
4	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	58
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040425\
Data File : BM049826.D
Acq On : 04 Apr 2025 16:40
Operator : RC/JU
Sample : Q1712-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
Z-05A

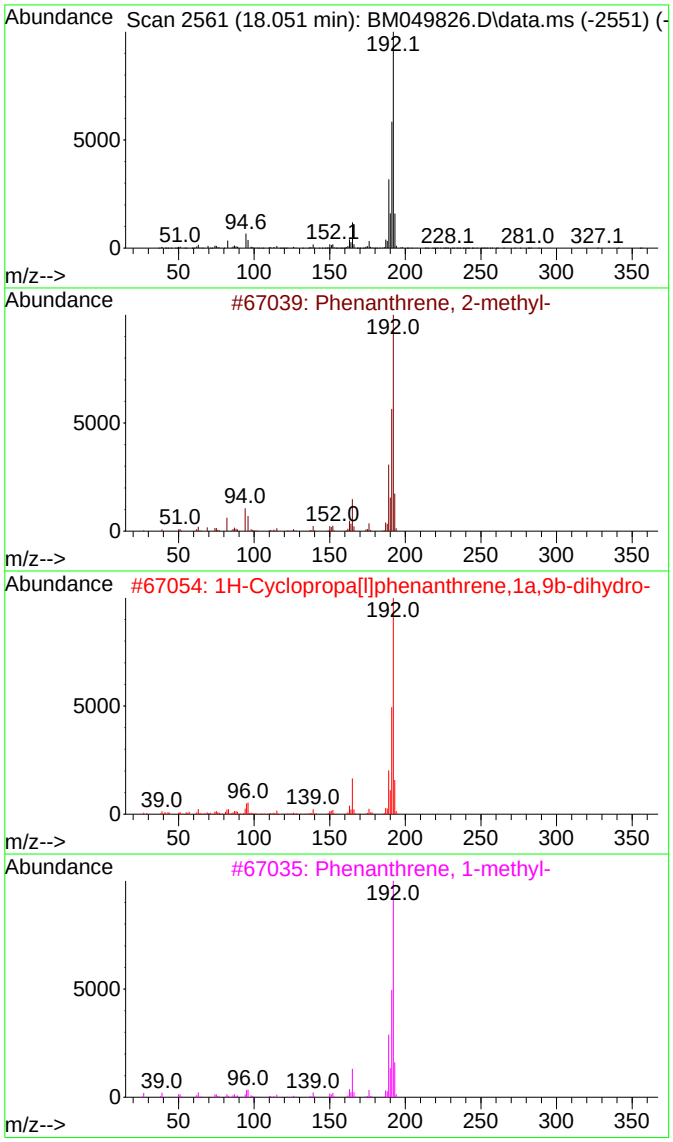
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

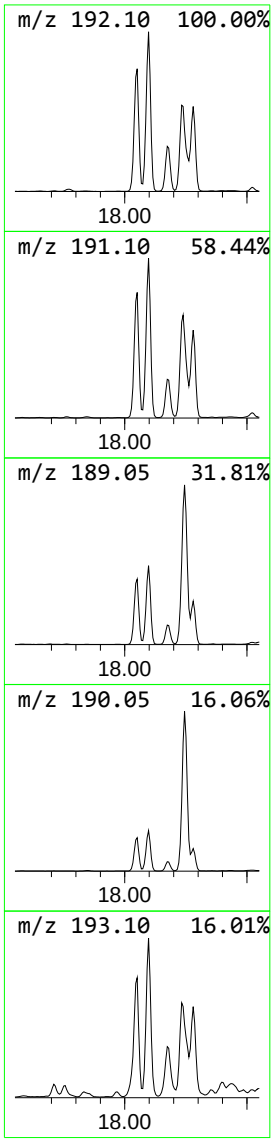
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.051	76.13 ng	13828400	Phenanthrene-d10	17.174

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	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040425\
Data File : BM049826.D
Acq On : 04 Apr 2025 16:40
Operator : RC/JU
Sample : Q1712-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
Z-05A

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

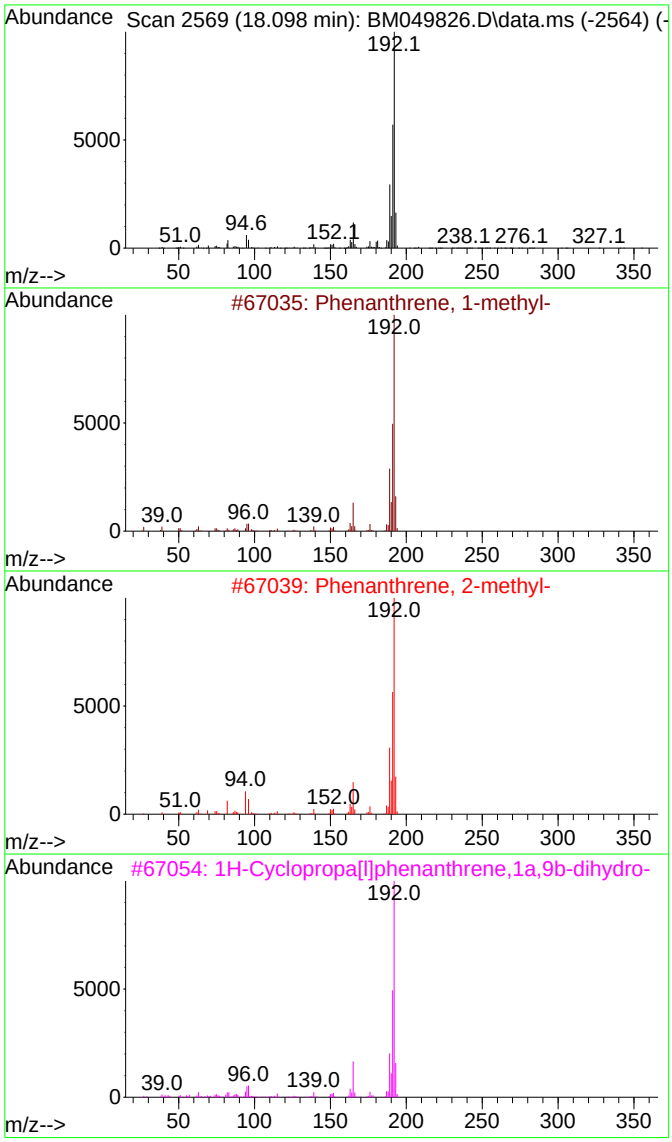
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

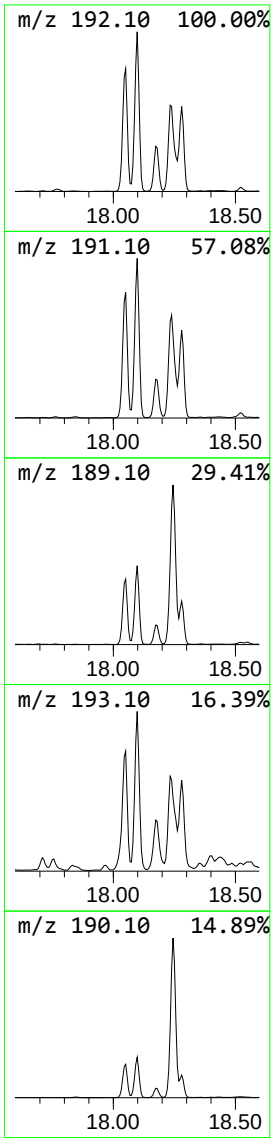
****

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.098	95.71 ng	17384200	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	95
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040425\
Data File : BM049826.D
Acq On : 04 Apr 2025 16:40
Operator : RC/JU
Sample : Q1712-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
Z-05A

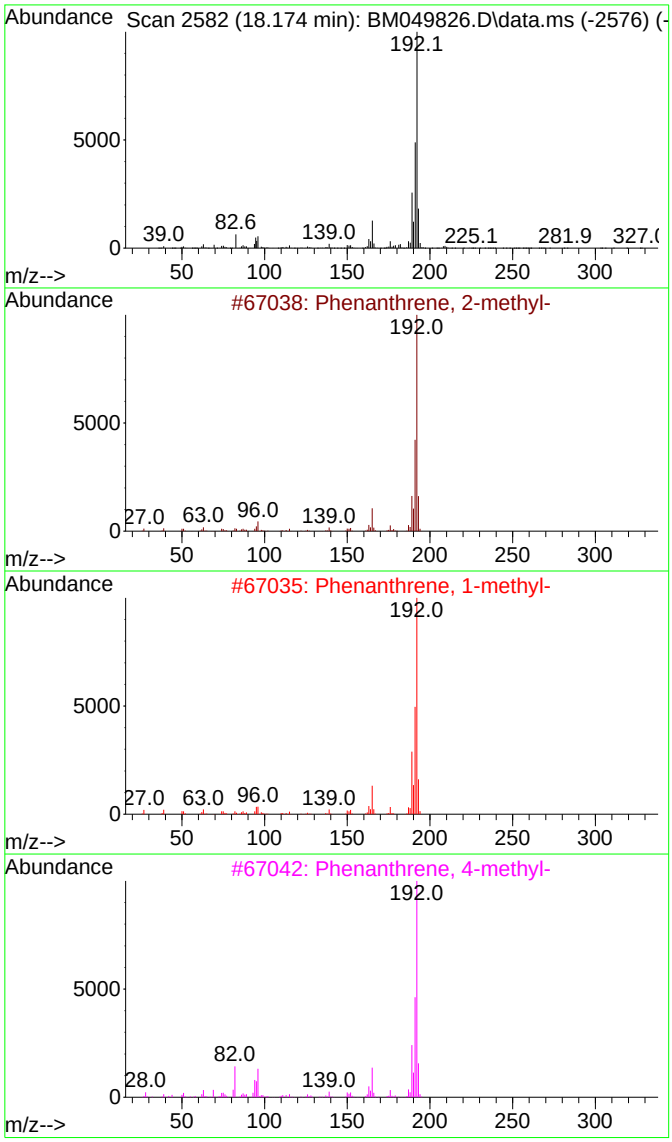
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

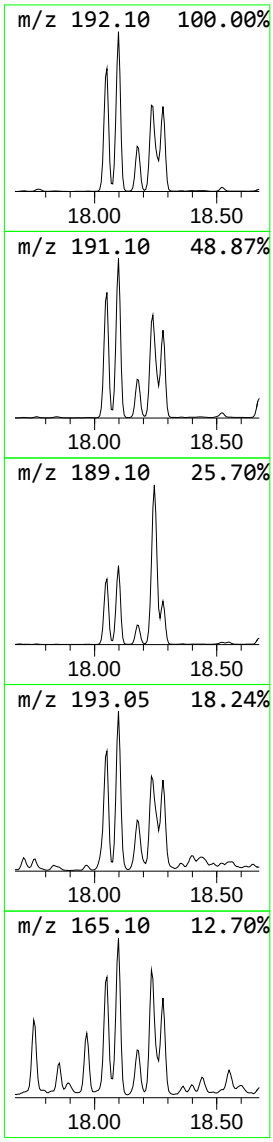
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Phenanthrene, 4-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.174	28.79 ng	5229950	Phenanthrene-d10	17.174

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	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040425\
Data File : BM049826.D
Acq On : 04 Apr 2025 16:40
Operator : RC/JU
Sample : Q1712-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
Z-05A

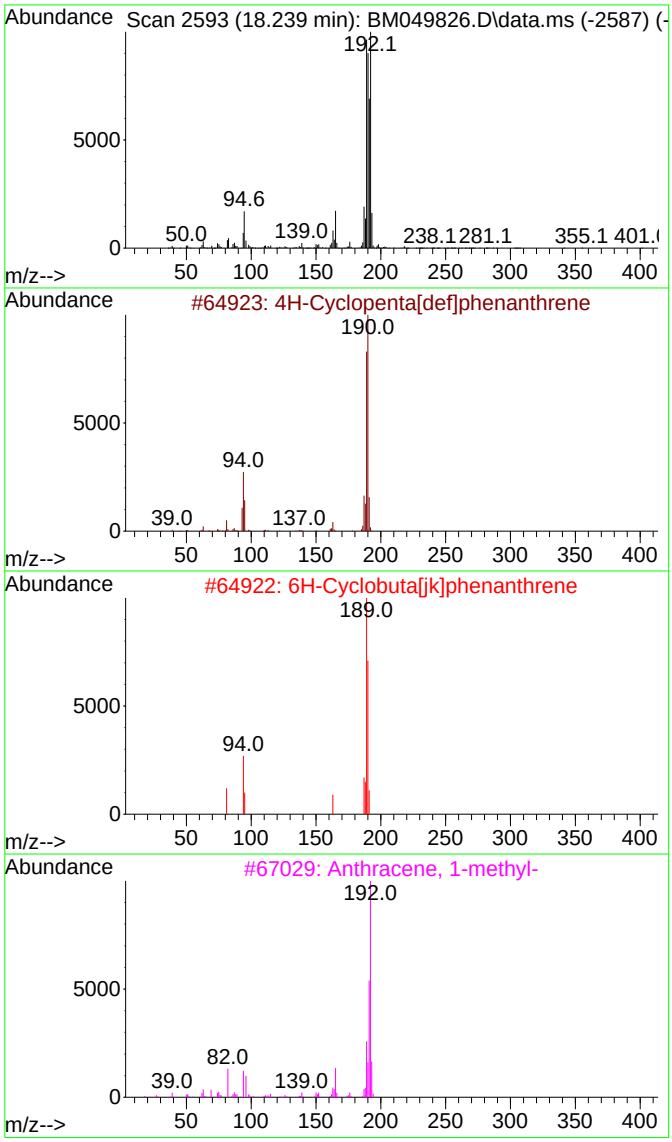
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

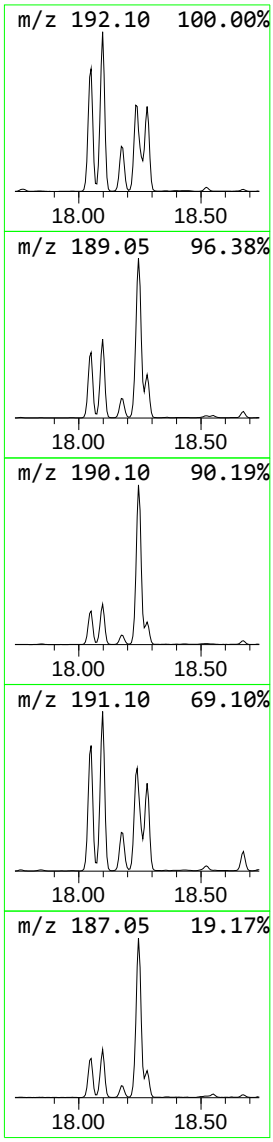
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.239	113.86 ng	20679900	Phenanthrene-d10	17.174

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	46
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	42
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040425\
Data File : BM049826.D
Acq On : 04 Apr 2025 16:40
Operator : RC/JU
Sample : Q1712-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
Z-05A

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

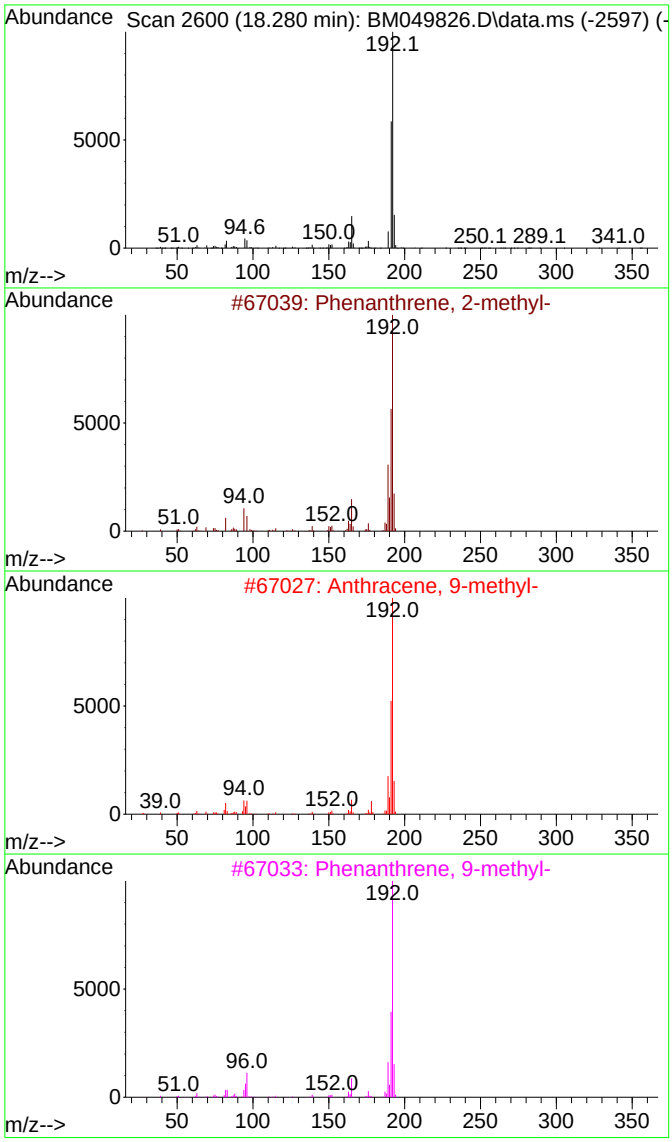
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

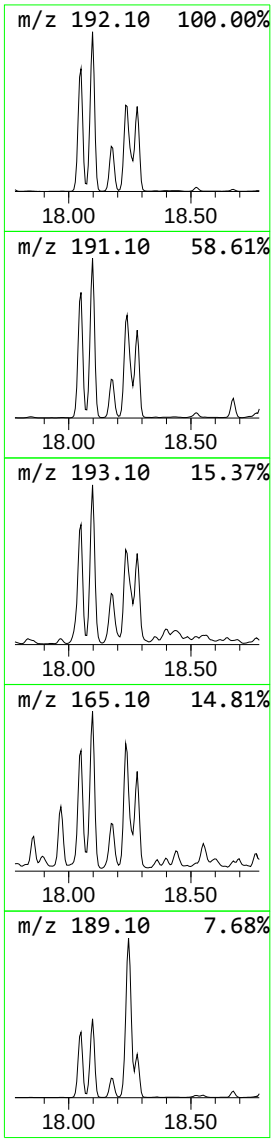
****

Peak Number 9 Anthracene, 9-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.280	48.32 ng	8777210	Phenanthrene-d10	17.174

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
3	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	90
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040425\
Data File : BM049826.D
Acq On : 04 Apr 2025 16:40
Operator : RC/JU
Sample : Q1712-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
Z-05A

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

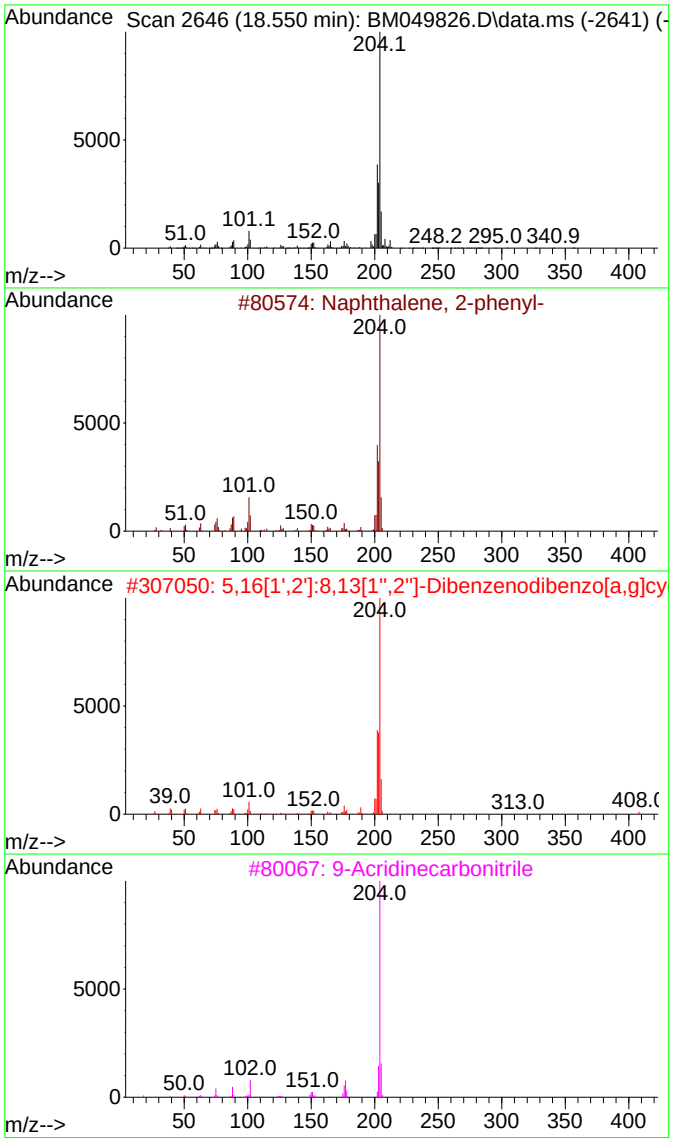
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

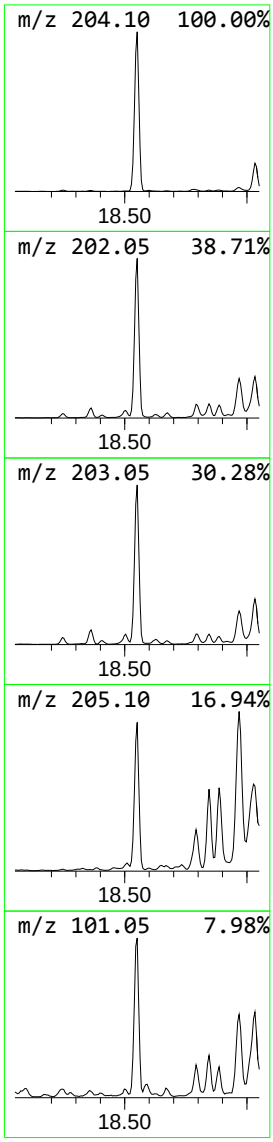
****

Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.551	43.69 ng	7935430	Phenanthrene-d10	17.174

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	90
3	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	49
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	49
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040425\
Data File : BM049826.D
Acq On : 04 Apr 2025 16:40
Operator : RC/JU
Sample : Q1712-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
Z-05A

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

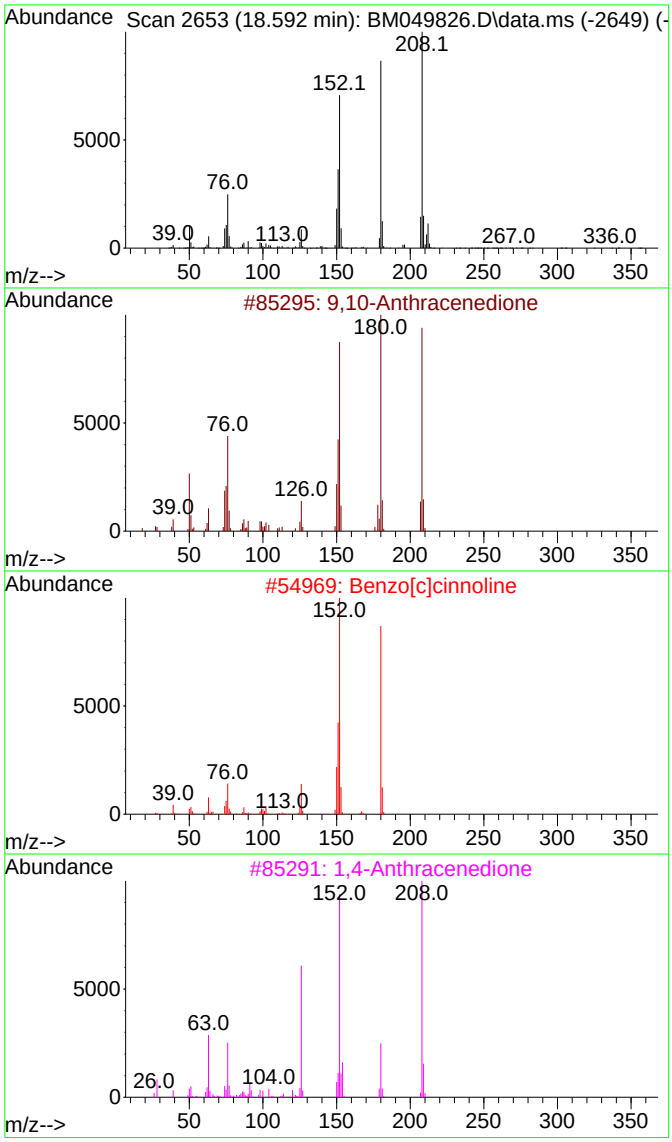
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

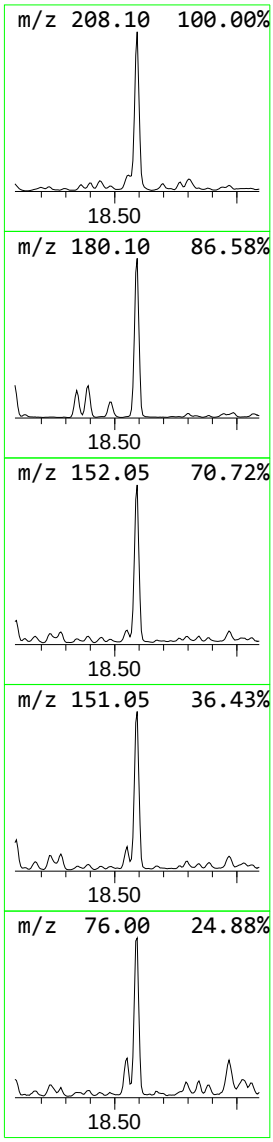
****

Peak Number 11 9,10-Anthracenedione Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.592	41.42 ng	7523690	Phenanthrene-d10	17.174

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60
3	1,4-Anthracenedione	208	C14H8O2	000635-12-1	60
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	55
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040425\
Data File : BM049826.D
Acq On : 04 Apr 2025 16:40
Operator : RC/JU
Sample : Q1712-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
Z-05A

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

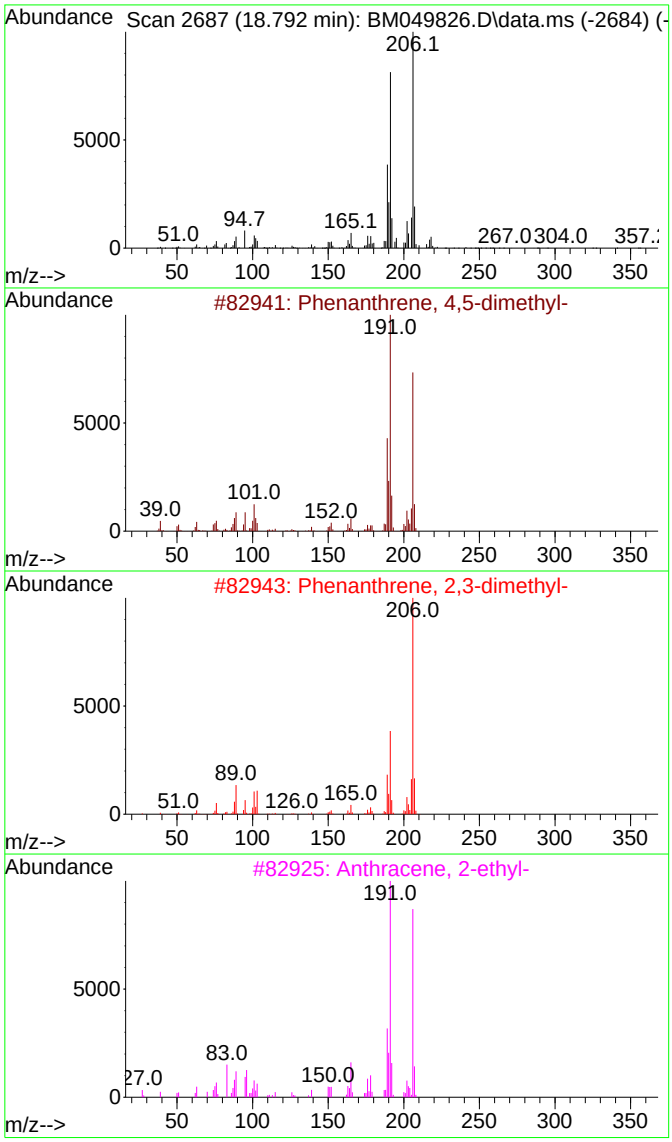
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

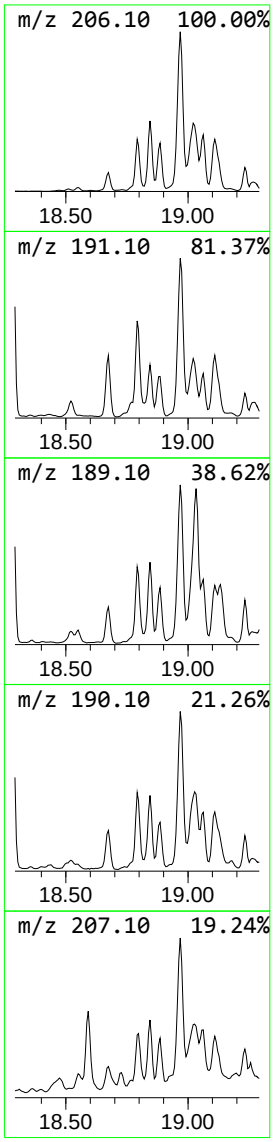
****

Peak Number 12 Phenanthrene, 4,5-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.792	19.75 ng	3586850	Phenanthrene-d10	17.174

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
3	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	90
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	76
5	Phenanthrene, 9,10-dimethyl-	206	C16H14	000604-83-1	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040425\
Data File : BM049826.D
Acq On : 04 Apr 2025 16:40
Operator : RC/JU
Sample : Q1712-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
Z-05A

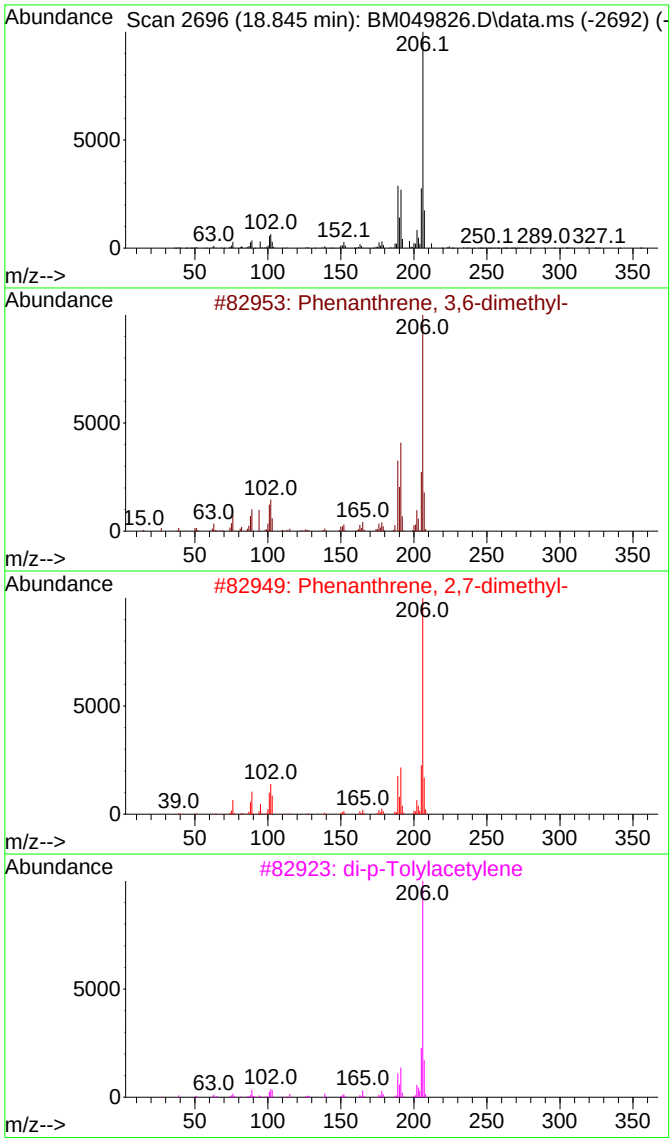
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

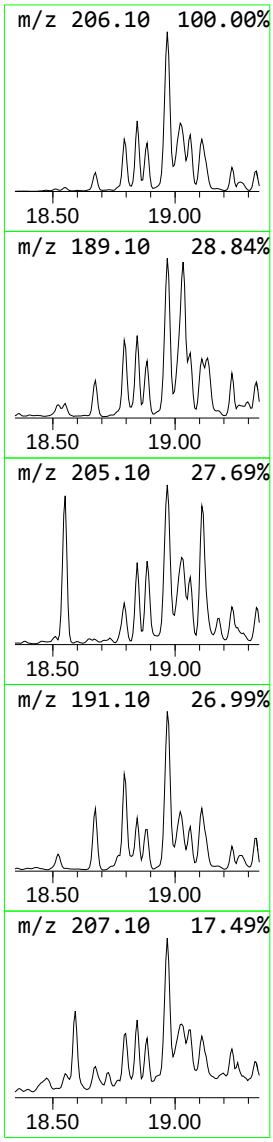
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Phenanthrene, 3,6-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.845	15.92 ng	2890710	Phenanthrene-d10	17.174

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	97
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	87
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86
5	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	80





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040425\
Data File : BM049826.D
Acq On : 04 Apr 2025 16:40
Operator : RC/JU
Sample : Q1712-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
Z-05A

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

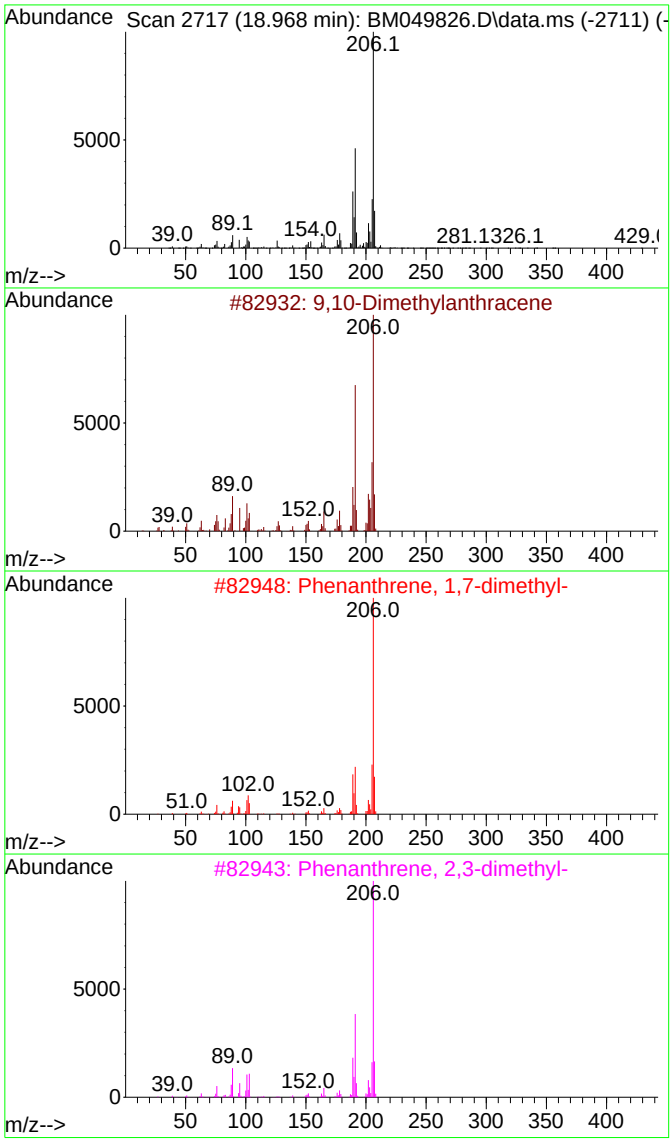
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

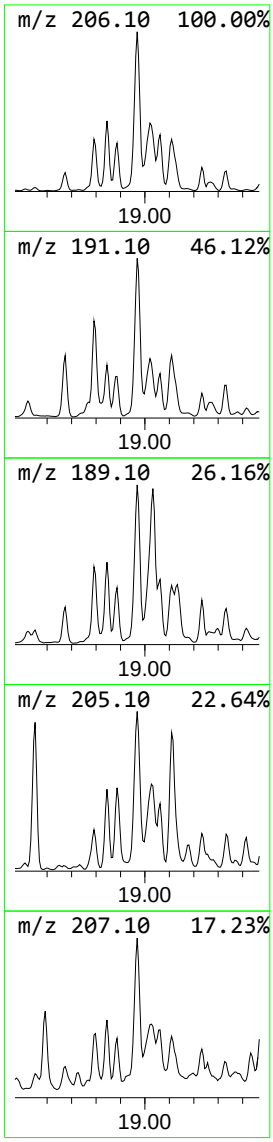
****

Peak Number 14 9,10-Dimethylanthracene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.968	53.55 ng	9727200	Phenanthrene-d10	17.174

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040425\
Data File : BM049826.D
Acq On : 04 Apr 2025 16:40
Operator : RC/JU
Sample : Q1712-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
Z-05A

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

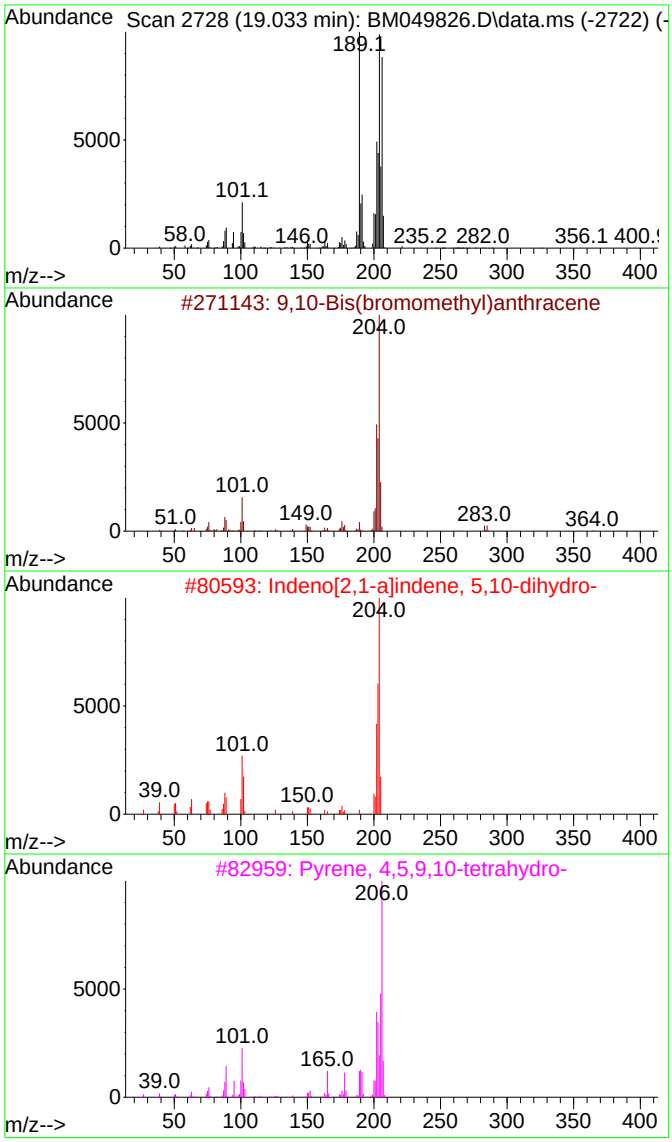
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

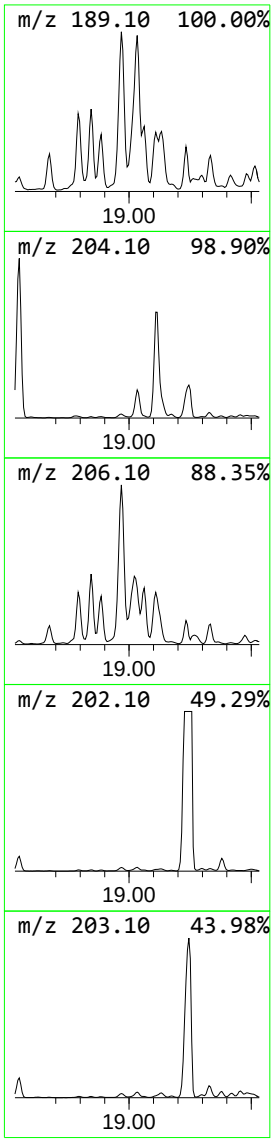
****

Peak Number 15 unknown19.033 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.033	35.28 ng	6407790	Phenanthrene-d10	17.174

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	43
2	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	38
3	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38
5	1H-Indol-6-ylamine, TMS derivative	204	C11H16N2Si	1000484-86-1	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040425\
Data File : BM049826.D
Acq On : 04 Apr 2025 16:40
Operator : RC/JU
Sample : Q1712-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
Z-05A

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

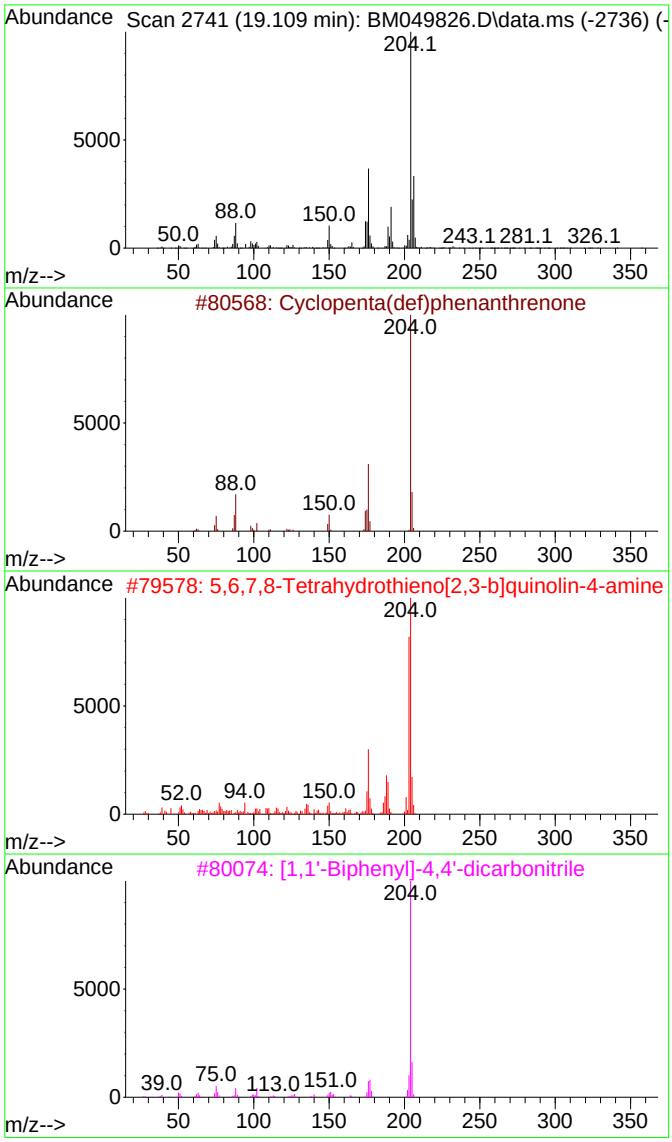
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

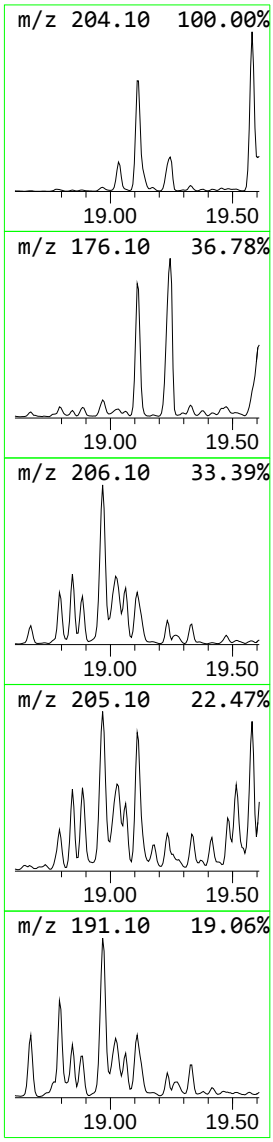
****

Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.109	46.61 ng	8465040	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	53
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	52
4	L-Rhamnose, 4TMS derivative	452	C18H44O5Si4	019127-15-2	50
5	L-Rhamnose, (R,R,S,S)-, 4TMS der...	452	C18H44O5Si4	108392-01-4	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040425\
Data File : BM049826.D
Acq On : 04 Apr 2025 16:40
Operator : RC/JU
Sample : Q1712-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
Z-05A

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

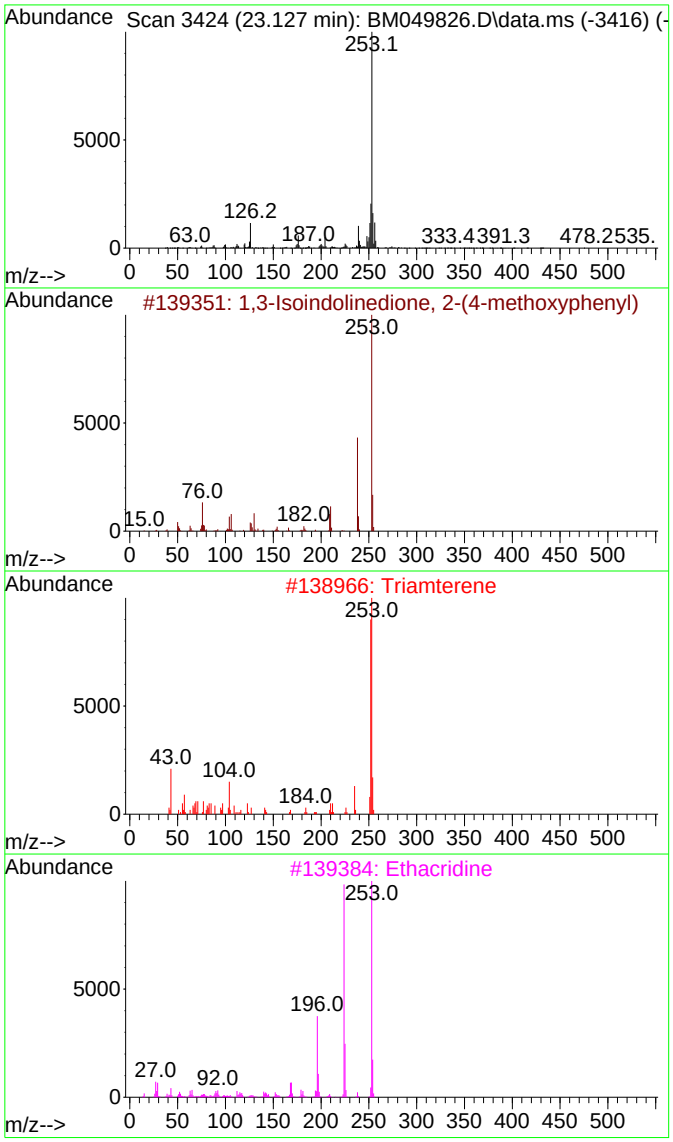
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

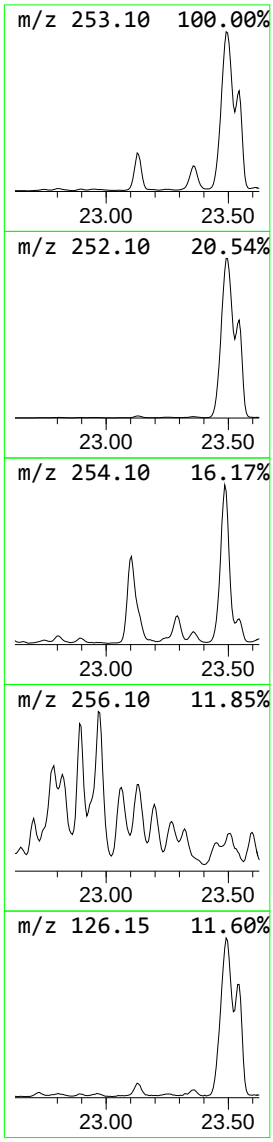
****

Peak Number 17 unknown23.127 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.127	20.81 ng	6758930	Perylene-d12	24.427

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Isoindolinedione, 2-(4-metho...	253	C15H11NO3	002142-04-3	38
2	Triamterene	253	C12H11N7	000396-01-0	38
3	Ethacridine	253	C15H15N3O	000442-16-0	37
4	3,12,12b-Trimethyl-1,2,3,4,6,7,1...	268	C18H24N2	082605-35-4	36
5	N-(4-Phenyl-1,3-thiazol-2-yl)-2-...	253	C14H11N3S	1000485-04-5	33





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040425\
Data File : BM049826.D
Acq On : 04 Apr 2025 16:40
Operator : RC/JU
Sample : Q1712-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
Z-05A

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

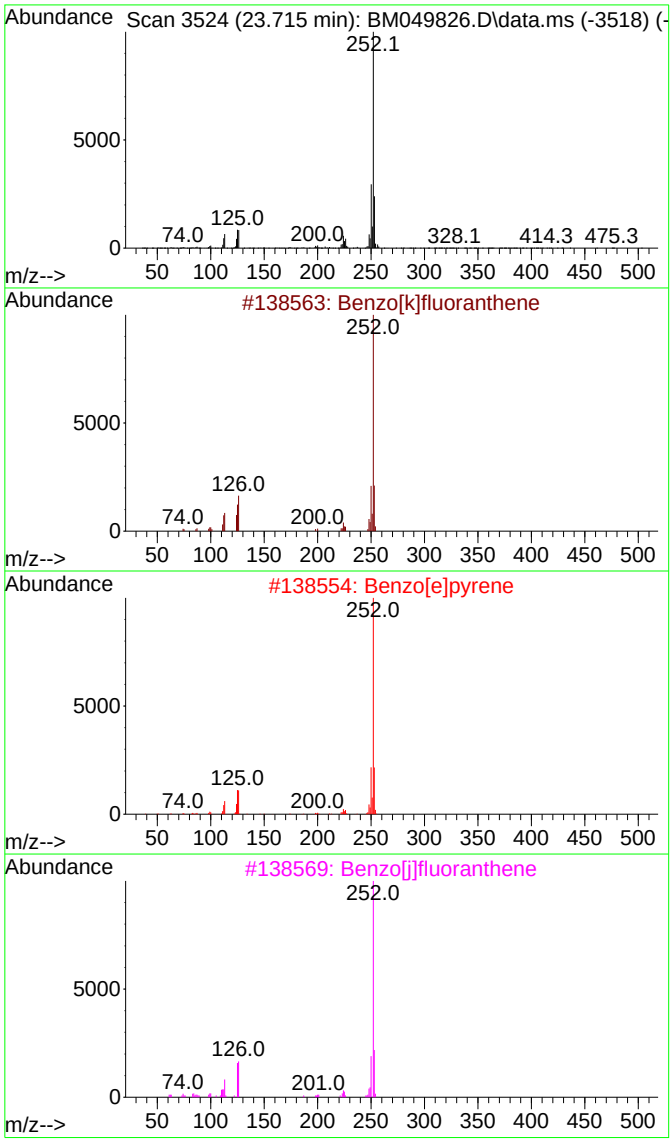
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

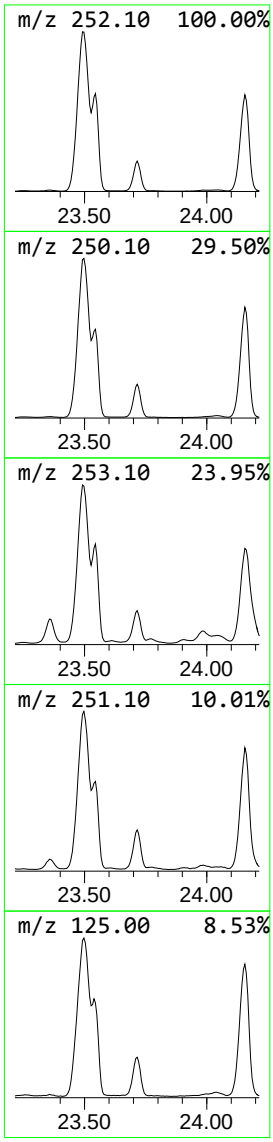
****

Peak Number 18 Benzo[e]pyrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.715	23.00 ng	7470700	Perylene-d12	24.427

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	93
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	90
5	Benzo[a]pyrene	252	C20H12	000050-32-8	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040425\
Data File : BM049826.D
Acq On : 04 Apr 2025 16:40
Operator : RC/JU
Sample : Q1712-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
Z-05A

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

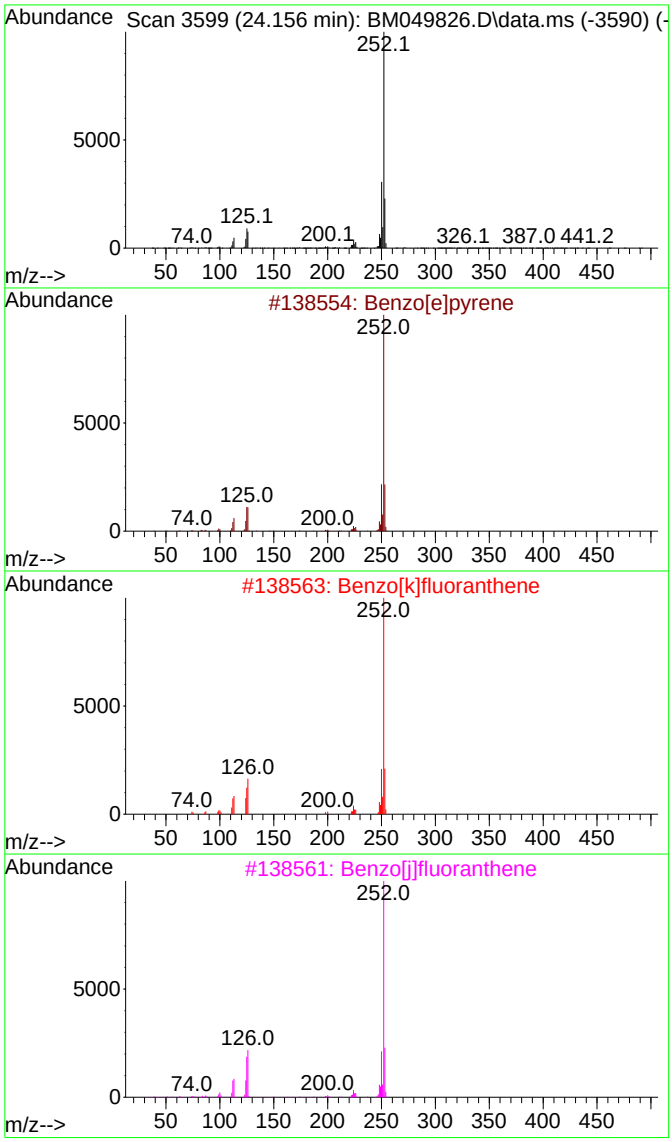
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

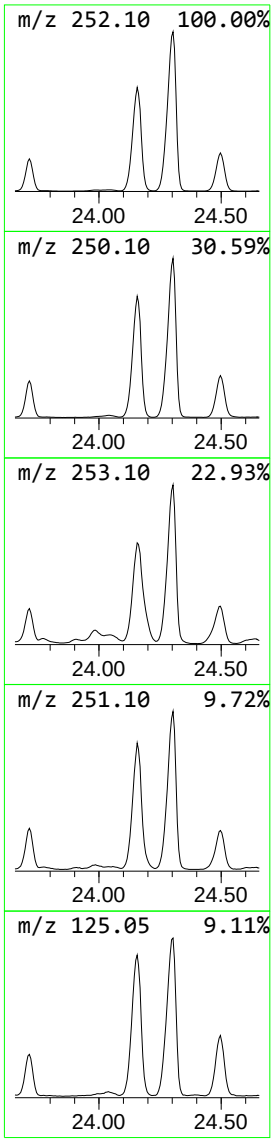
****

Peak Number 19 Benzo[j]fluoranthene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.156	103.83 ng	33719300	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[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\BM040425\
Data File : BM049826.D
Acq On : 04 Apr 2025 16:40
Operator : RC/JU
Sample : Q1712-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
Z-05A

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

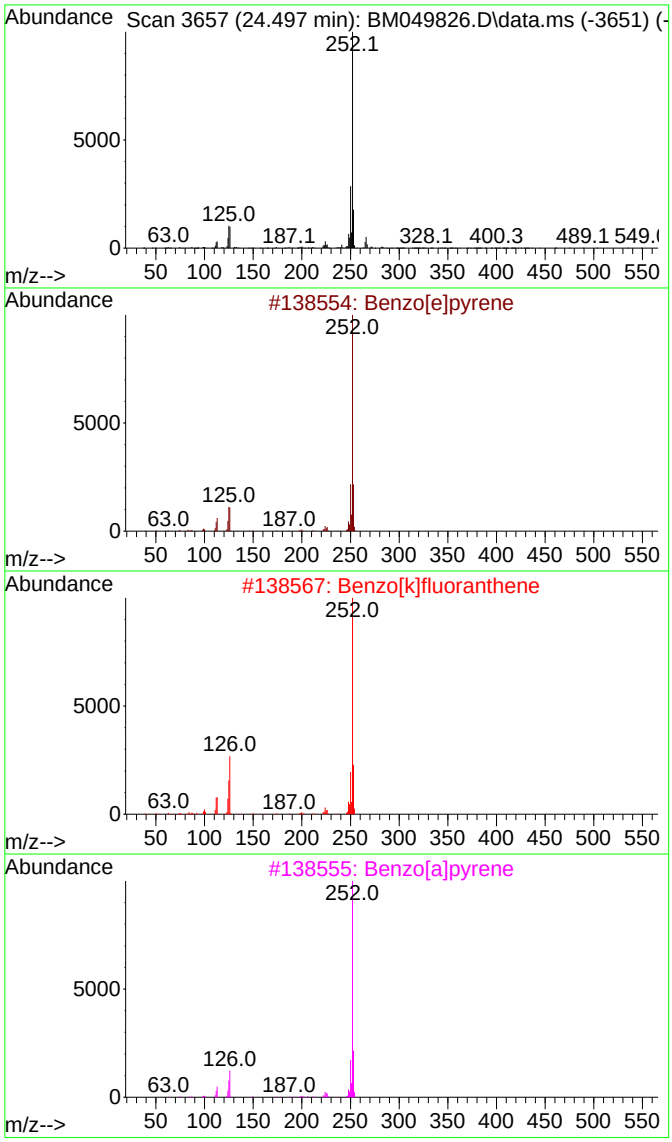
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

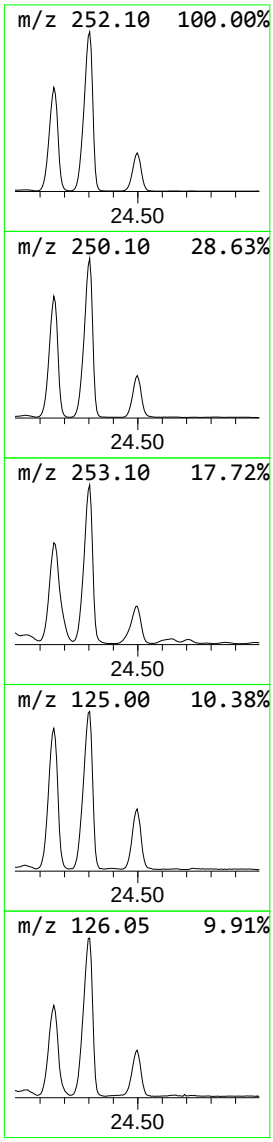
****

Peak Number 20 unknown24.497 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.497	44.44 ng	14432800	Perylene-d12	24.427

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89
3	Benzo[a]pyrene	252	C20H12	000050-32-8	81
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	76
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	68





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM040425\
Data File : BM049826.D
Acq On : 04 Apr 2025 16:40
Operator : RC/JU
Sample : Q1712-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
Z-05A

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
9H-Fluoren-3-ol	15.768	14.2	ng	2702320	3	14.427	3815500	20.0
9H-Fluoren-9-one	16.827	27.8	ng	5050460	4	17.174	3632610	20.0
Dibenzothiophene	16.992	24.6	ng	4473250	4	17.174	3632610	20.0
4-Methylnaphtho...	17.750	14.7	ng	2662070	4	17.174	3632610	20.0
Phenanthrene, 2...	18.051	76.1	ng	13828400	4	17.174	3632610	20.0
Phenanthrene, 1...	18.098	95.7	ng	17384200	4	17.174	3632610	20.0
Phenanthrene, 4...	18.174	28.8	ng	5229950	4	17.174	3632610	20.0
4H-Cyclopenta[d...	18.239	113.9	ng	20679900	4	17.174	3632610	20.0
Anthracene, 9-m...	18.280	48.3	ng	8777210	4	17.174	3632610	20.0
Naphthalene, 2-...	18.551	43.7	ng	7935430	4	17.174	3632610	20.0
9,10-Anthracene...	18.592	41.4	ng	7523690	4	17.174	3632610	20.0
Phenanthrene, 4...	18.792	19.8	ng	3586850	4	17.174	3632610	20.0
Phenanthrene, 3...	18.845	15.9	ng	2890710	4	17.174	3632610	20.0
9,10-Dimethylan...	18.968	53.5	ng	9727200	4	17.174	3632610	20.0
unknown19.033	19.033	35.3	ng	6407790	4	17.174	3632610	20.0
Cyclopenta(def)...	19.109	46.6	ng	8465040	4	17.174	3632610	20.0
unknown23.127	23.127	20.8	ng	6758930	6	24.427	6495290	20.0
Benzo[e]pyrene	23.715	23.0	ng	7470700	6	24.427	6495290	20.0
Benzo[j]fluoran...	24.156	103.8	ng	33719300	6	24.427	6495290	20.0
unknown24.497	24.497	44.4	ng	14432800	6	24.427	6495290	20.0