LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032723\
Data File : BM039166.D
Acq On : 27 Mar 2023 18:38
Operator : CG/JU
Sample : O2021-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JPP-46A-032023

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-BM030823.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BM039166.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.034	291	297	306	rVB	1427321	1914829	12.26%	1.021%
2	5.504	370	377	386	rBV	3150010	4538543	29.06%	2.419%
3	7.110	639	650	664	rBV	3088240	4810125	30.80%	2.564%
4	7.945	783	792	799	rBV	978091	1576389	10.09%	0.840%
5	9.110	983	990	998	rBV	1882752	3049175	19.52%	1.625%
6	10.757	1261	1270	1275	rBV	1294073	2159139	13.82%	1.151%
7	13.210	1680	1687	1697	rBV	4299381	6231100	39.89%	3.321%
8	14.586	1910	1921	1927	rBV	1842606	2684367	17.19%	1.431%
9	14.651	1927	1932	1939	rVB	280606	412972	2.64%	0.220%
10	14.980	1983	1988	1995	rVB	127744	210578	1.35%	0.112%
11	15.633	2092	2099	2107	rVB2	188866	300684	1.93%	0.160%
12	15.945	2145	2152	2157	rVB2	246858	477830	3.06%	0.255%
13	16.074	2165	2174	2181	rBV	3425110	4829096	30.92%	2.574%
14	16.310	2207	2214	2219	rVB5	108044	214875	1.38%	0.115%
15	16.639	2267	2270	2275	rVB3	101416	162438	1.04%	0.087%
16	16.862	2300	2308	2311	rBV3	118902	242236	1.55%	0.129%
17	16.986	2325	2329	2335	rVB2	170138	255537	1.64%	0.136%
18	17.062	2337	2342	2343	rVV2	119645	164744	1.05%	0.088%
19	17.080	2343	2345	2353	rVV3	155987	259269	1.66%	0.138%
20	17.151	2353	2357	2364	rVB2	185603	322715	2.07%	0.172%
21	17.333	2382	2388	2391	rBV	2106591	2961652	18.96%	1.579%
22	17.374	2391	2395	2401	rVV	4314393	5862729	37.53%	3.125%
23	17.462	2405	2410	2415	rVV	991382	1380117	8.84%	0.736%
24	17.521	2415	2420	2425	rVB2	96053	193937	1.24%	0.103%
25	17.739	2450	2457	2460	rBV2	160630	277386	1.78%	0.148%
26	17.851	2473	2476	2481	rVB	199249	244309	1.56%	0.130%
27	18.227	2532	2540	2543	rBV2	1353812	2771482	17.74%	1.477%
28	18.256	2543	2545	2550	rVB	1044120	1266229	8.11%	0.675%
29	18.339	2555	2559	2564	rVV	423360	620112	3.97%	0.331%
30	18.404	2564	2570	2574	rVV2	1159551	2198035	14.07%	1.172%
31	18.439	2574	2576	2582	rVB	578948	688437	4.41%	0.367%
32	18.521	2586	2590	2593	rBV4	135173	180850	1.16%	0.096%
33	18.709	2617	2622	2626	rBV	677976	885811	5.67%	0.472%
34	18.751	2626	2629	2636	rVB	436057	581468	3.72%	0.310%
35	18.951	2660	2663	2668	rVV	252573	315436	2.02%	0.168%
36	19.003	2669	2672	2675	rVV	206993	226919	1.45%	0.121%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032723\
Data File : BM039166.D
Acq On : 27 Mar 2023 18:38
Operator : CG/JU
Sample : 02021-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JPP-46A-032023

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-BM030823.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	19.045	2675	2679	2682	rVB	205855	267802	1.71%	0.143%
38	19.127	2688	2693	2698	rBV	573029	1043485	6.68%	0.556%
39	19.192	2700	2704	2706	rVB2	194235	284167	1.82%	0.151%
40	19.268	2712	2717	2724	rBV2	626936	1071610	6.86%	0.571%
41	19.392	2732	2738	2744	rBV	11372848	15149457	96.99%	8.075%
42	19.451	2745	2748	2751	rVB	168527	189380	1.21%	0.101%
43	19.498	2751	2756	2761	rBV2	620383	1099142	7.04%	0.586%
44	19.633	2775	2779	2782	rBV	365273	437058	2.80%	0.233%
45	19.721	2789	2794	2796	rBV2	1921382	2916677	18.67%	1.555%
46	19.756	2796	2800	2807	rVV	11660394	15619551	100.00%	8.326%
47	19.821	2807	2811	2818	rVB3	533465	855355	5.48%	0.456%
48	19.950	2826	2833	2837	rBV	6508910	8285770	53.05%	4.416%
49	19.992	2837	2840	2845	rVB	483572	701912	4.49%	0.374%
50	20.074	2849	2854	2861	rBV4	727020	1740775	11.14%	0.928%
51	20.209	2872	2877	2879	rBV4	560578	963705	6.17%	0.514%
52	20.245	2880	2883	2888	rVB	1342075	1818117	11.64%	0.969%
53	20.345	2896	2900	2904	rBV2	747563	917773	5.88%	0.489%
54	20.403	2904	2910	2914	rVV2	1119196	1814853	11.62%	0.967%
55	20.439	2914	2916	2920	rVB	386056	451155	2.89%	0.240%
56	20.545	2930	2934	2937	rBV	722003	933912	5.98%	0.498%
57	20.592	2938	2942	2945	rVB	712542	910941	5.83%	0.486%
58	20.992	3006	3010	3016	rVB	905345	1239348	7.93%	0.661%
59	21.156	3036	3038	3042	rVB	657330	779733	4.99%	0.416%
60	21.197	3042	3045	3049	rBV2	935196	1735863	11.11%	0.925%
61	21.292	3057	3061	3065	rBV2	1023222	1495127	9.57%	0.797%
62	21.503	3092	3097	3102	rBV2	6809456	12341296	79.01%	6.578%
63	21.550	3102	3105	3115	rVB	5620555	7661213	49.05%	4.084%
64	21.674	3123	3126	3133	rBV2	1008045	1680363	10.76%	0.896%
65	22.097	3195	3198	3201	rVB	842607	1026640	6.57%	0.547%
66	23.203	3380	3386	3392	rBV	4677701	11887006	76.10%	6.336%
67	23.386	3414	3417	3430	rVB	897814	1588599	10.17%	0.847%
68	23.727	3470	3475	3485	rVB	3141728	6525167	41.78%	3.478%
69	23.833	3487	3493	3500	rBV	4407559	8832907	56.55%	4.708%
70	23.938	3507	3511	3516	rVV2	1398092	2635553	16.87%	1.405%
71	23.991	3517	3520	3530	rVB	1404702	2860036	18.31%	1.524%
72	26.462	3934	3940	3953	rVB2	2302834	6861890	43.93%	3.658%
73	27.244	4068	4073	4089	rVB	1800082	5514680	35.31%	2.939%

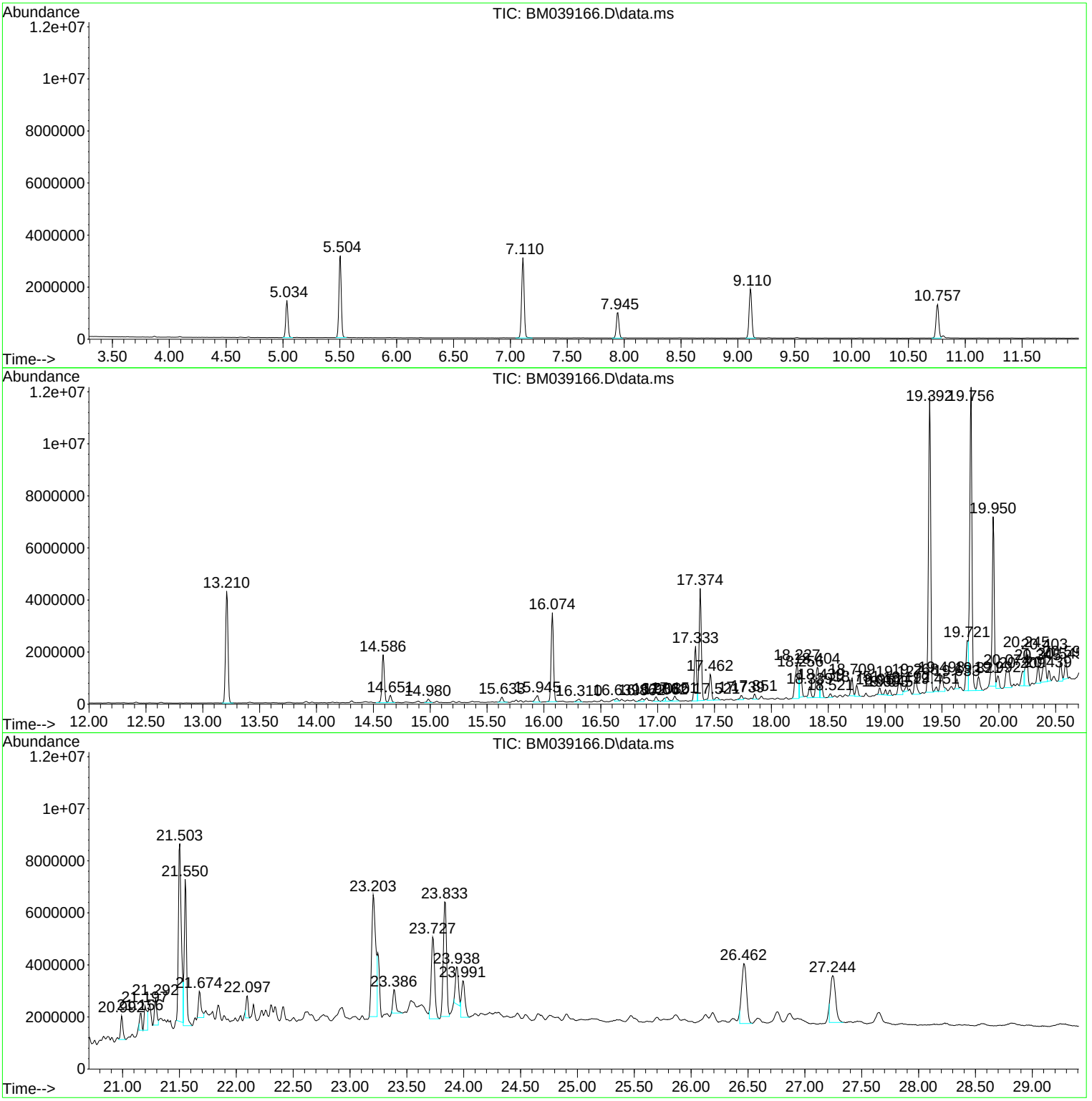
Sum of corrected areas: 187609568

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032723\
Data File : BM039166.D
Acq On : 27 Mar 2023 18:38
Operator : CG/JU
Sample : 02021-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JPP-46A-032023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.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\BM032723\
Data File : BM039166.D
Acq On : 27 Mar 2023 18:38
Operator : CG/JU
Sample : 02021-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JPP-46A-032023

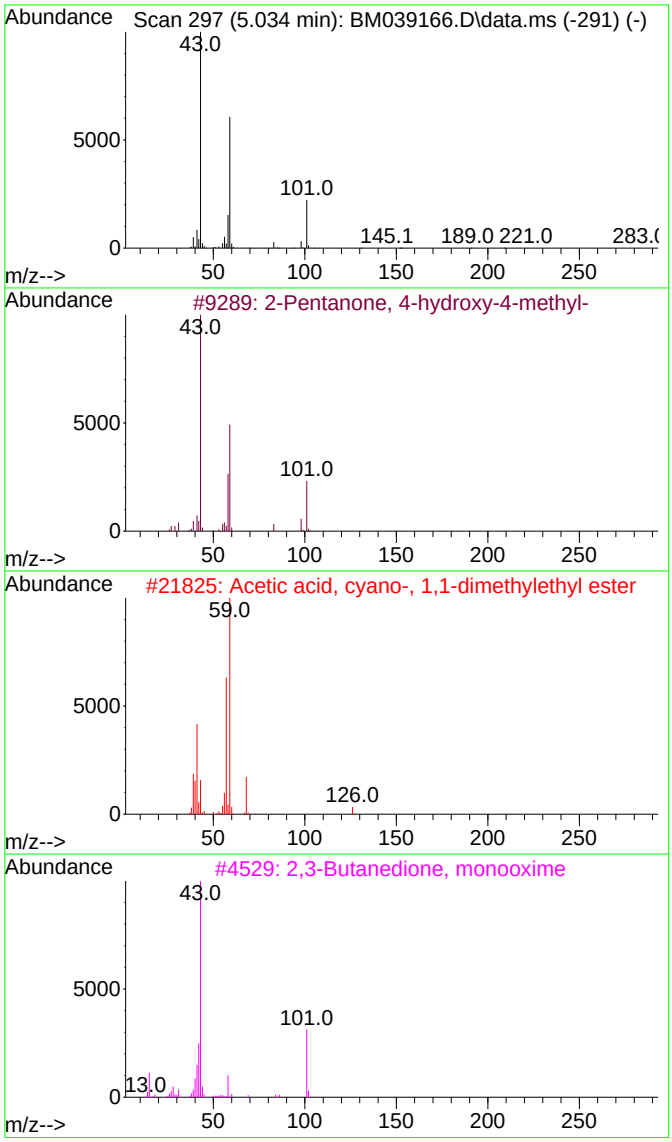
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

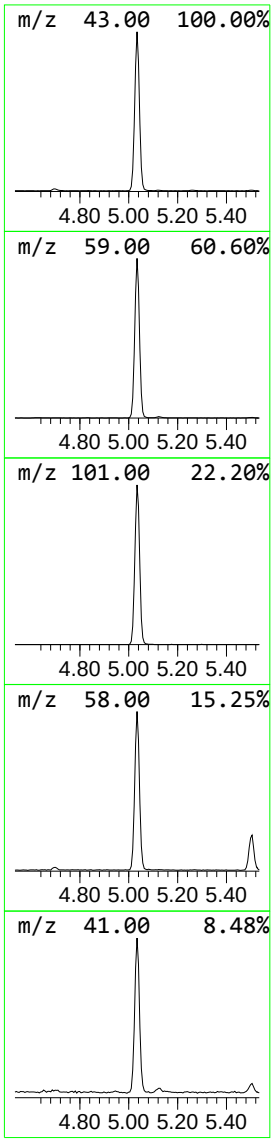
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.034	24.29 ng	1914830	1,4-Dichlorobenzene-d4	7.945

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	17
4	5-Hexen-2-one	98	C6H10O	000109-49-9	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032723\
Data File : BM039166.D
Acq On : 27 Mar 2023 18:38
Operator : CG/JU
Sample : 02021-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JPP-46A-032023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

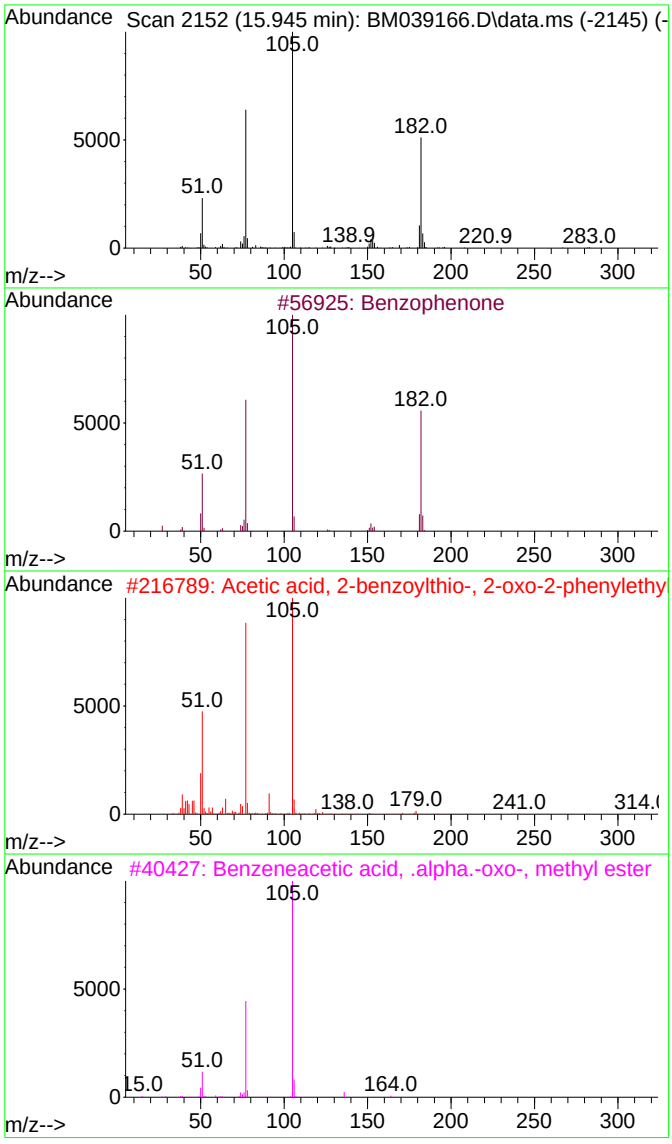
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

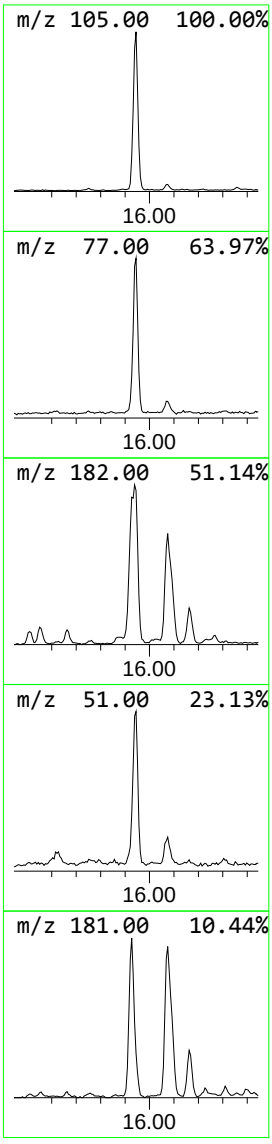
****

Peak Number 3 Benzophenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.945	3.56 ng	477830	Acenaphthene-d10	14.586

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	97
2	Acetic acid, 2-benzoylthio-, 2-o...	314	C17H14O4S	1000260-20-1	43
3	Benzeneacetic acid, .alpha.-oxo-...	164	C9H8O3	015206-55-0	43
4	1-Propanone, 3-chloro-1-phenyl-	168	C9H9ClO	000936-59-4	43
5	N-Methylbenzamide, N-pentafluoro...	281	C11H8F5NO2	1000446-98-1	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032723\
Data File : BM039166.D
Acq On : 27 Mar 2023 18:38
Operator : CG/JU
Sample : 02021-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JPP-46A-032023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

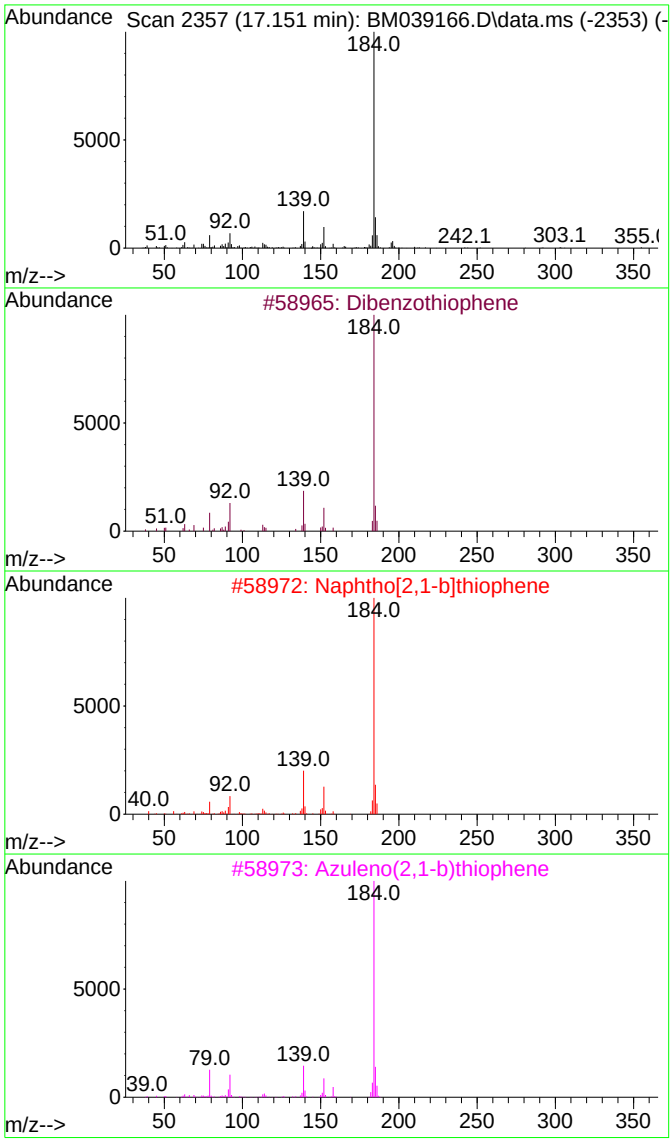
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

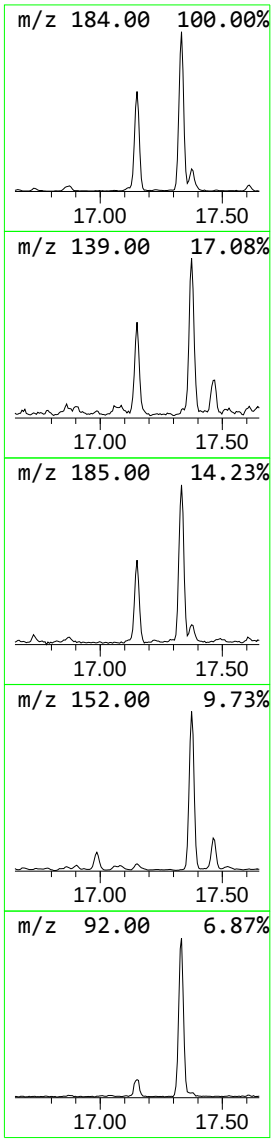
****

Peak Number 4 Dibenzothiophene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.151	2.18 ng	322715	Phenanthrene-d10	17.333

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	93
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	91
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
4	(5E)-5-(2-Naphthylmethylene)-1,3...	327	C17H17NO2SSi	1000487-49-1	78
5	Dibenzothiophene, 5-oxide	200	C12H8OS	001013-23-6	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032723\
Data File : BM039166.D
Acq On : 27 Mar 2023 18:38
Operator : CG/JU
Sample : 02021-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JPP-46A-032023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

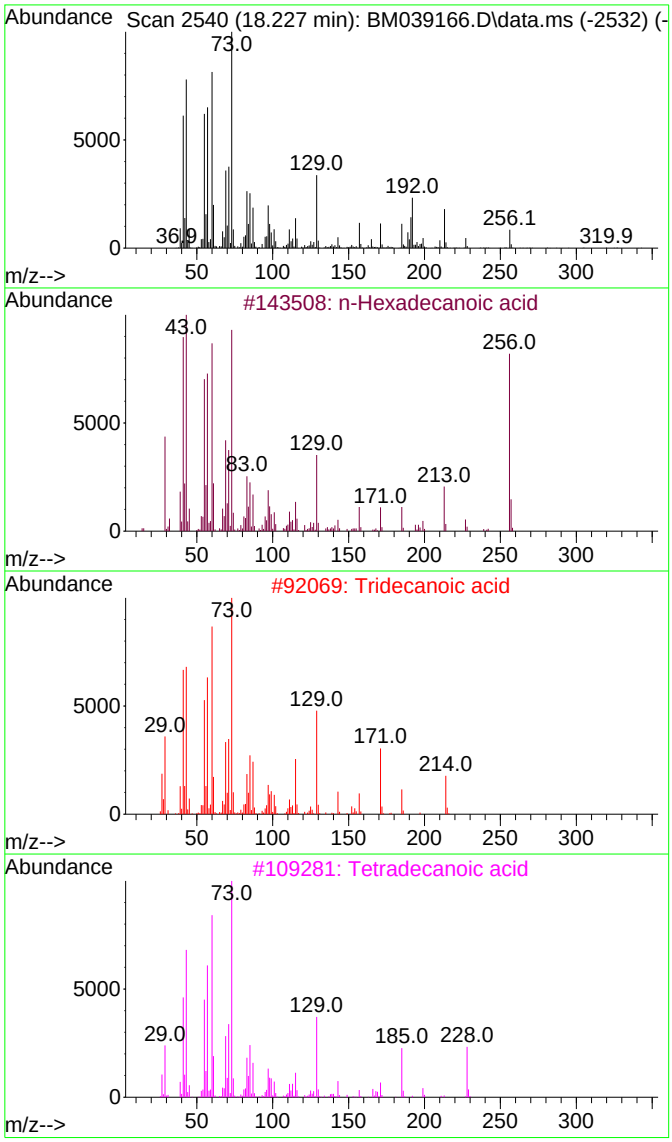
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

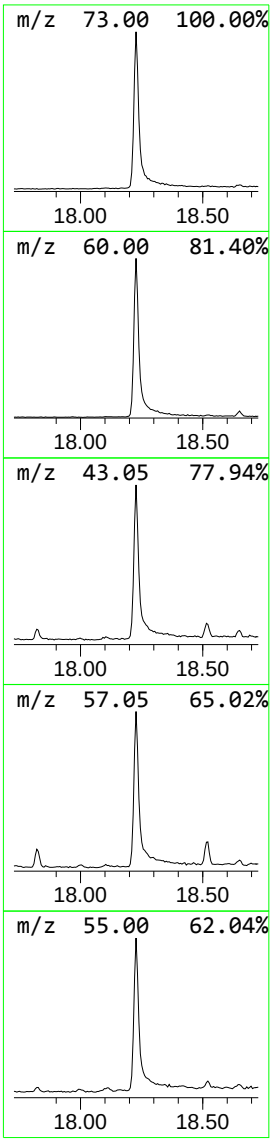
****

Peak Number 5 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.227	18.72 ng	2771480	Phenanthrene-d10	17.333

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	92
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	89
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	81
5	n-Decanoic acid	172	C10H20O2	000334-48-5	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032723\
Data File : BM039166.D
Acq On : 27 Mar 2023 18:38
Operator : CG/JU
Sample : 02021-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JPP-46A-032023

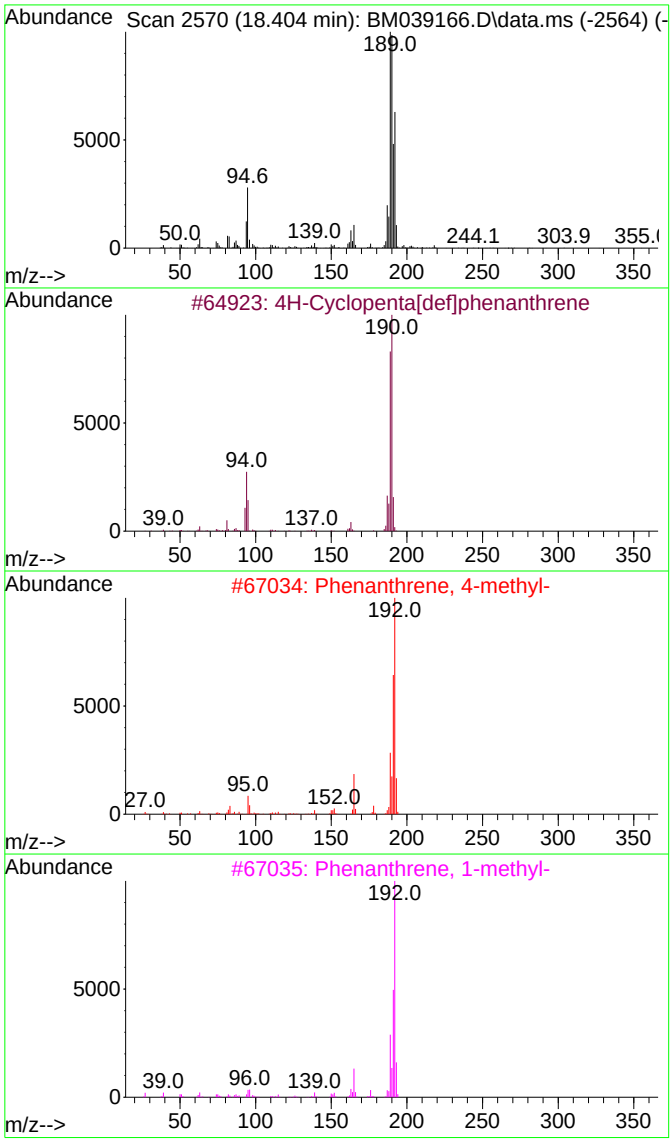
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

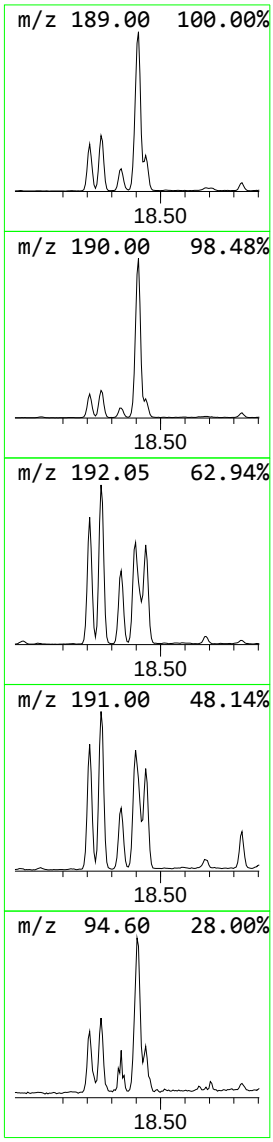
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.404	14.84 ng	2198040	Phenanthrene-d10	17.333

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	35
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	25
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	25
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032723\
Data File : BM039166.D
Acq On : 27 Mar 2023 18:38
Operator : CG/JU
Sample : 02021-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JPP-46A-032023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

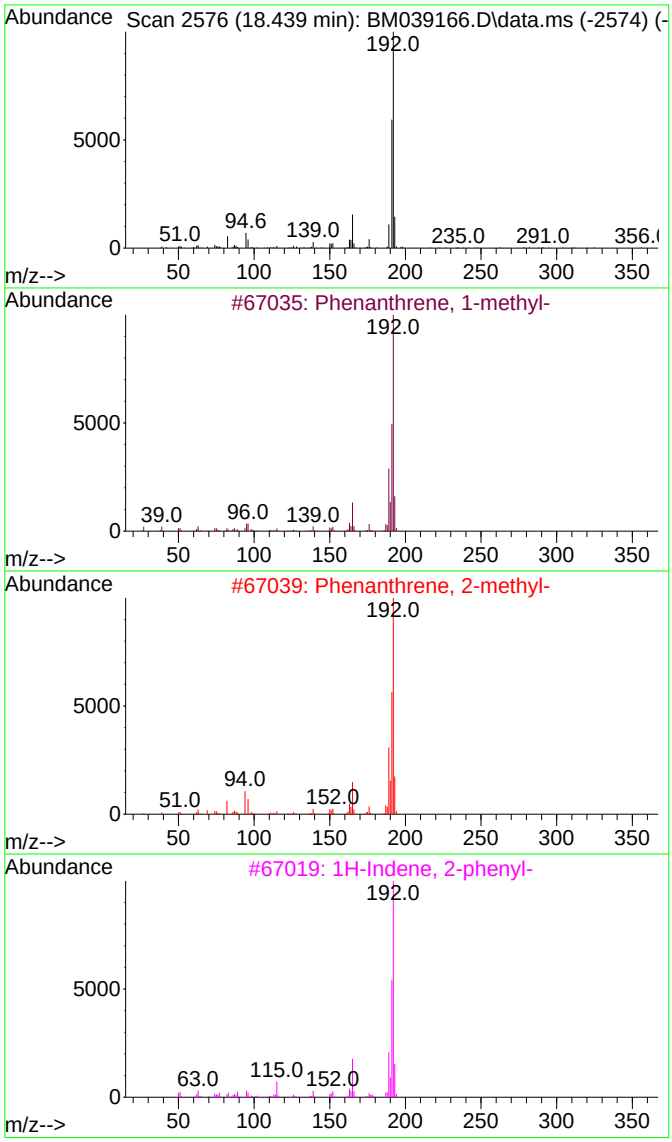
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

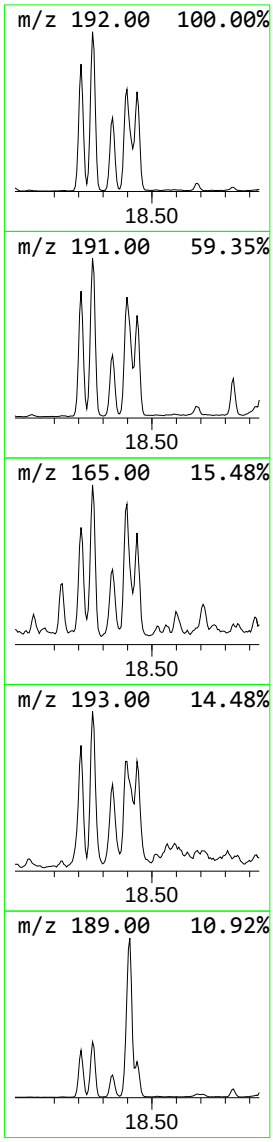
****

Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.439	4.65 ng	688437	Phenanthrene-d10	17.333

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032723\
Data File : BM039166.D
Acq On : 27 Mar 2023 18:38
Operator : CG/JU
Sample : 02021-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JPP-46A-032023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

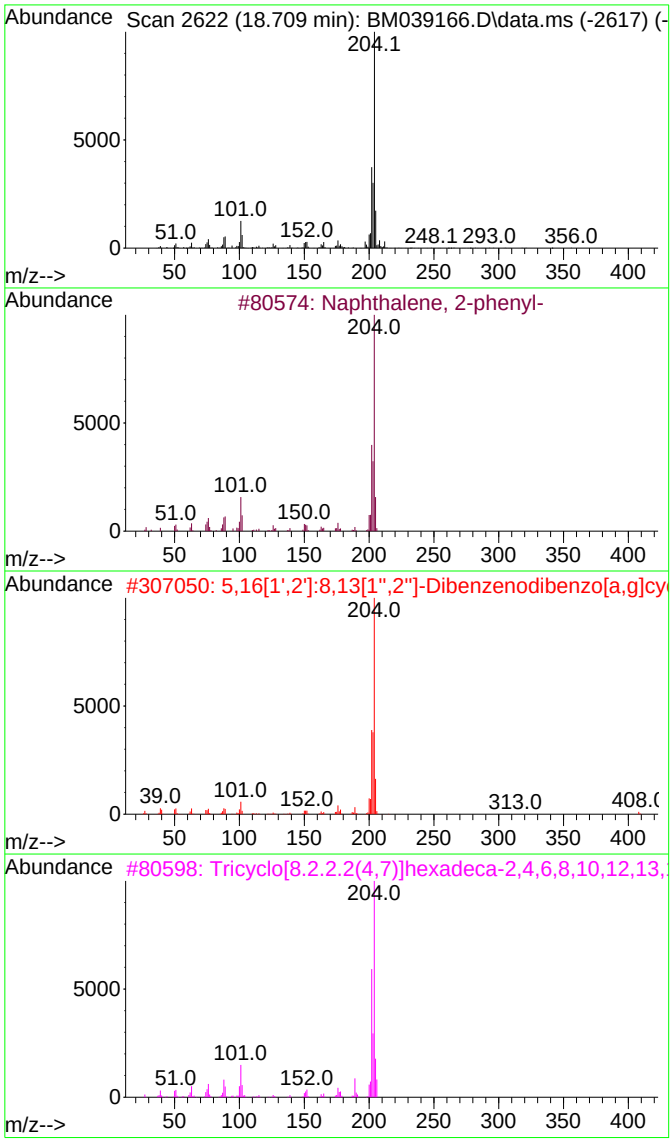
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

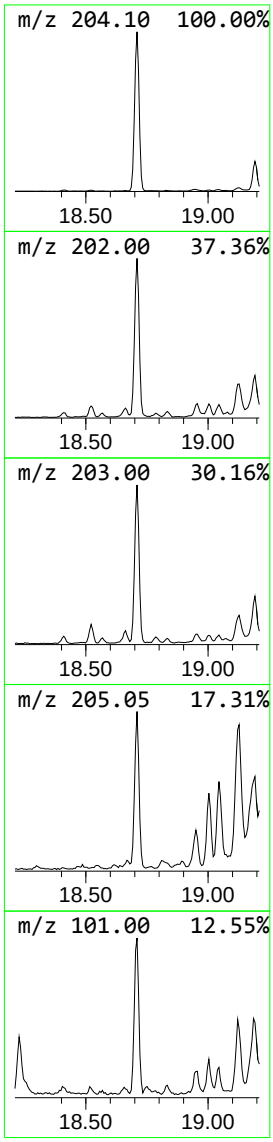
****

Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.709	5.98 ng	885811	Phenanthrene-d10	17.333

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	72
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	64
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032723\
Data File : BM039166.D
Acq On : 27 Mar 2023 18:38
Operator : CG/JU
Sample : 02021-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JPP-46A-032023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

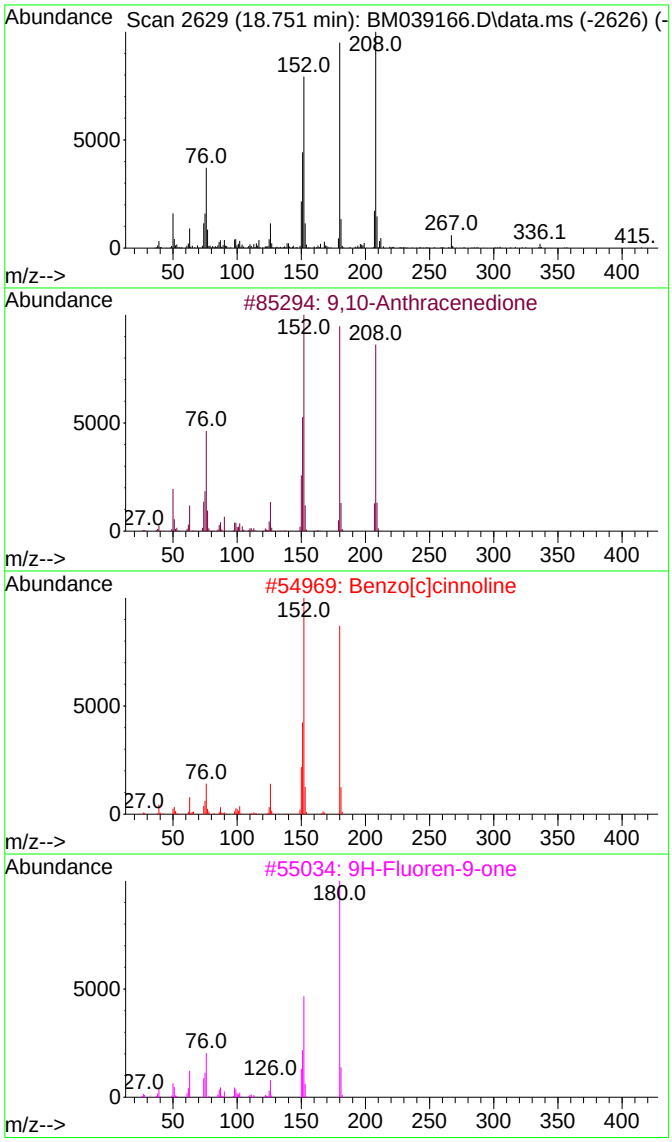
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

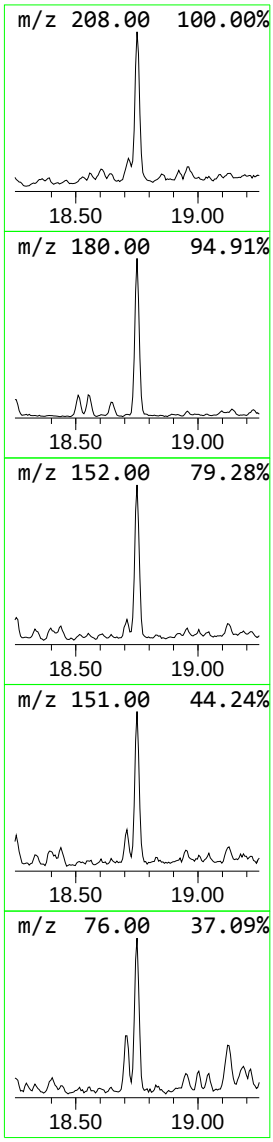
****

Peak Number 9 9,10-Anthracenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.751	3.93 ng	581468	Phenanthrene-d10	17.333

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	70
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	60
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	60





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032723\
Data File : BM039166.D
Acq On : 27 Mar 2023 18:38
Operator : CG/JU
Sample : 02021-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JPP-46A-032023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

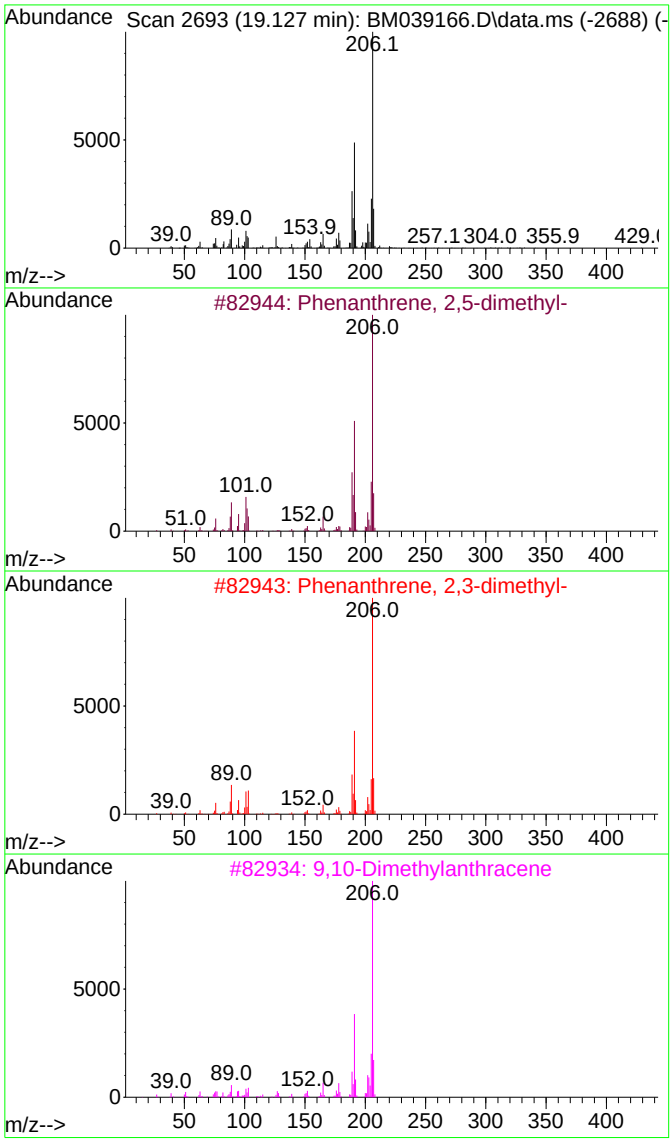
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

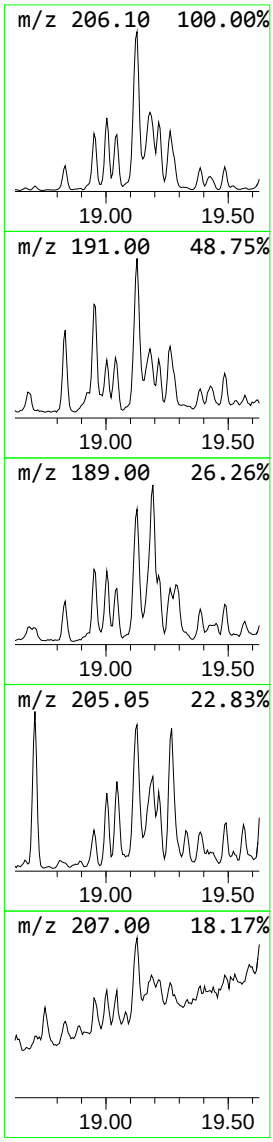
****

Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.127	7.05 ng	1043490	Phenanthrene-d10	17.333

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	90
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032723\
Data File : BM039166.D
Acq On : 27 Mar 2023 18:38
Operator : CG/JU
Sample : 02021-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JPP-46A-032023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

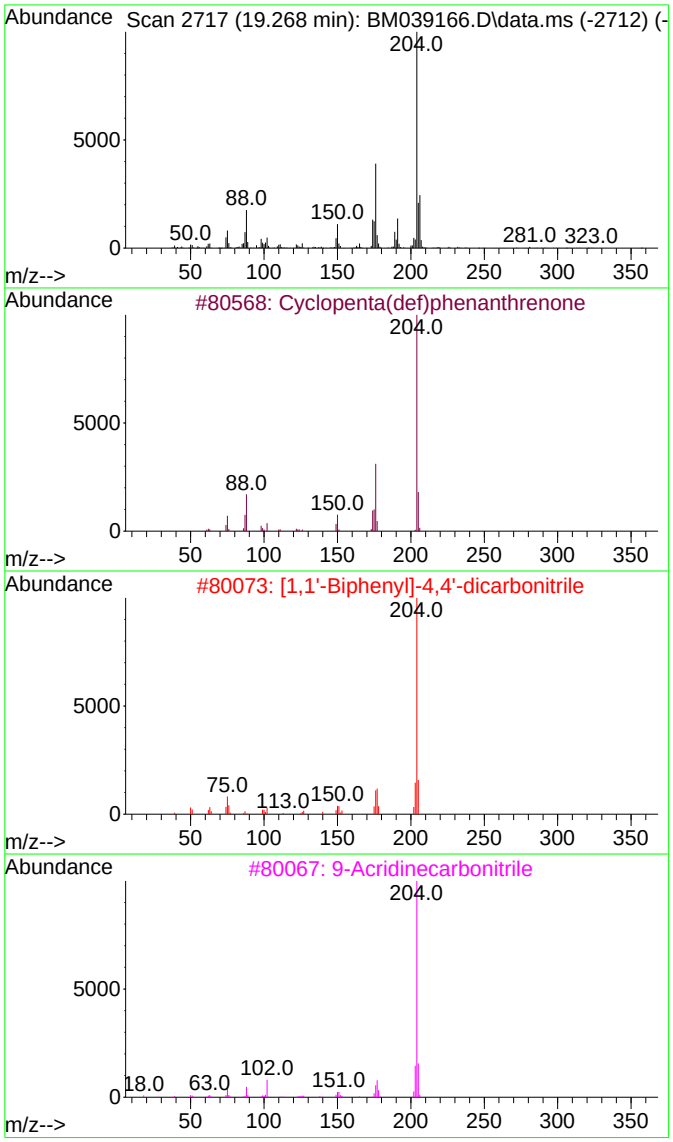
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

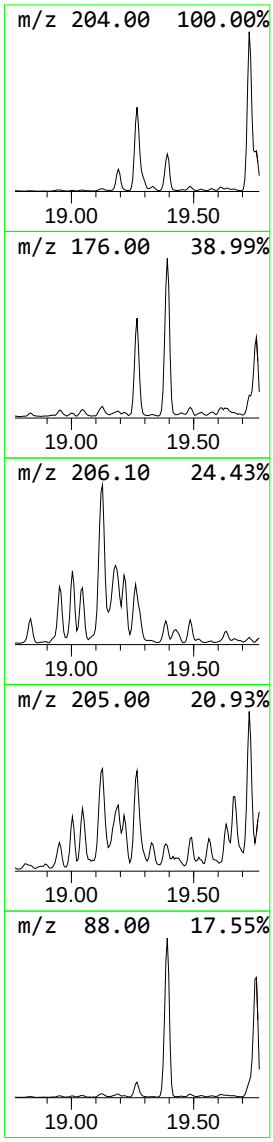
****

Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.268	7.24 ng	1071610	Phenanthrene-d10	17.333

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	98
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	49
3	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	47
4	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	43
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032723\
Data File : BM039166.D
Acq On : 27 Mar 2023 18:38
Operator : CG/JU
Sample : 02021-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JPP-46A-032023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

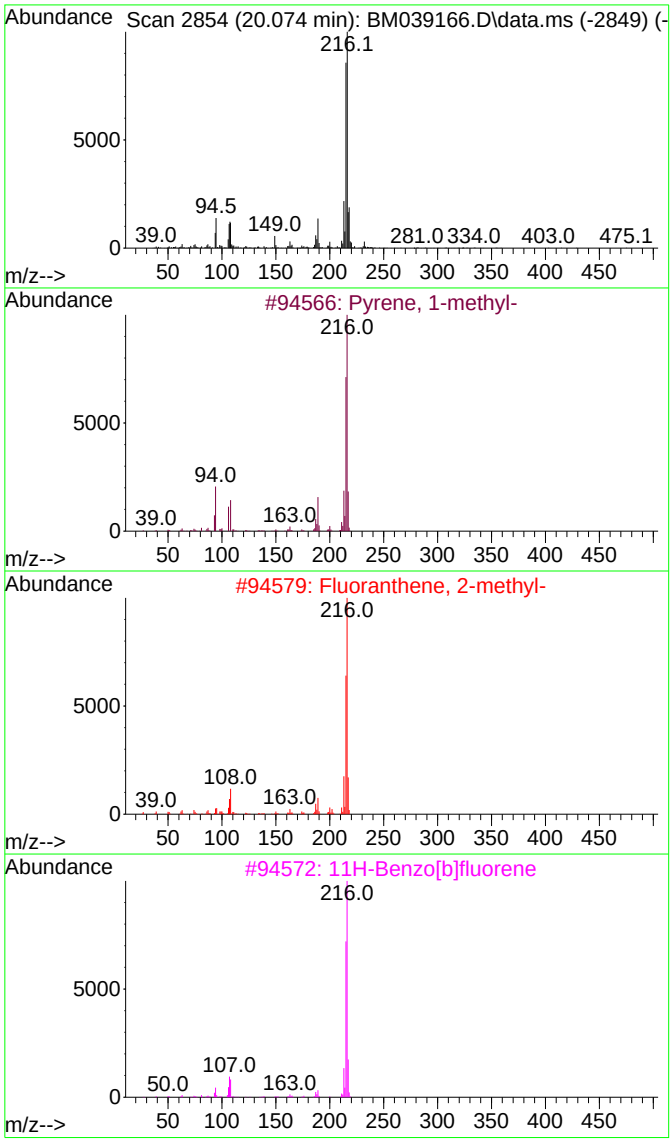
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

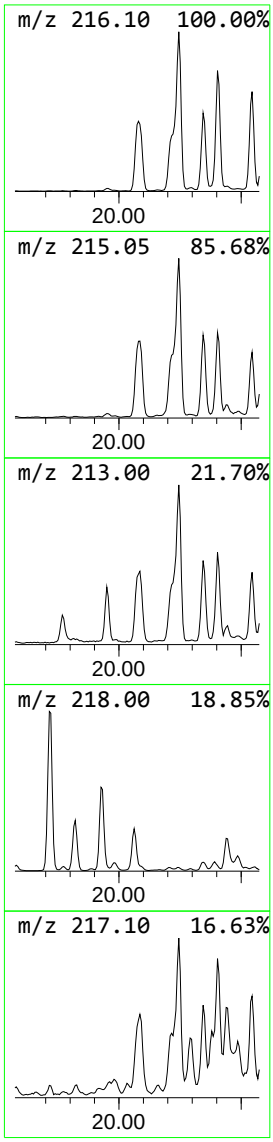
****

Peak Number 12 Pyrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.074	2.82 ng	1740780	Chrysene-d12	21.515

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	96
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	68





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032723\
Data File : BM039166.D
Acq On : 27 Mar 2023 18:38
Operator : CG/JU
Sample : 02021-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JPP-46A-032023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

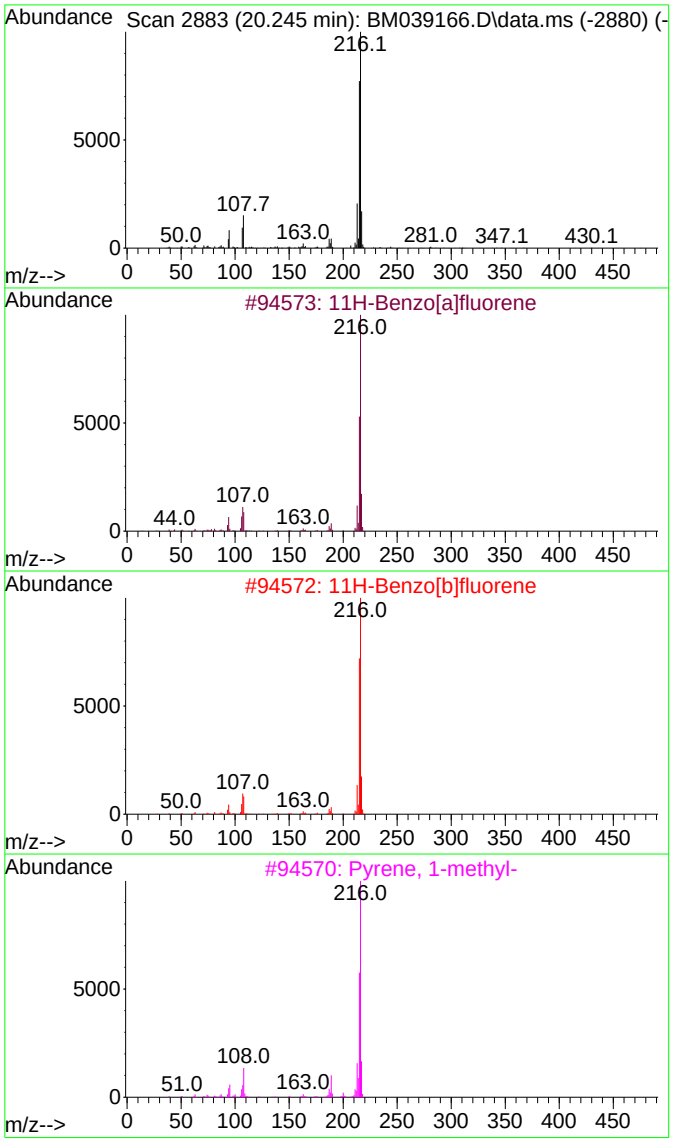
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

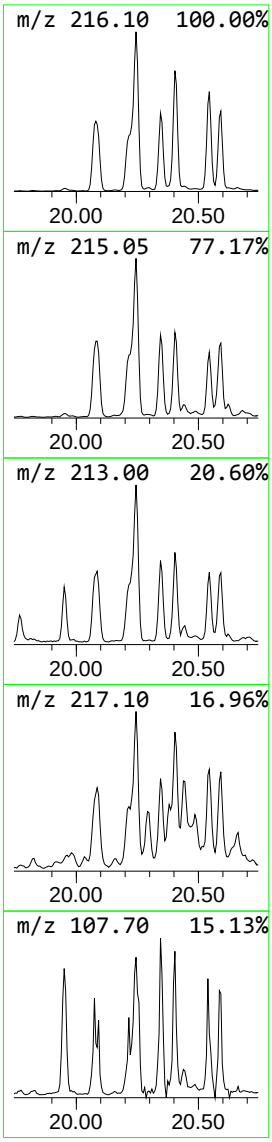
****

Peak Number 13 11H-Benzo[a]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.245	2.95 ng	1818120	Chrysene-d12	21.515

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	74
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032723\
Data File : BM039166.D
Acq On : 27 Mar 2023 18:38
Operator : CG/JU
Sample : 02021-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JPP-46A-032023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

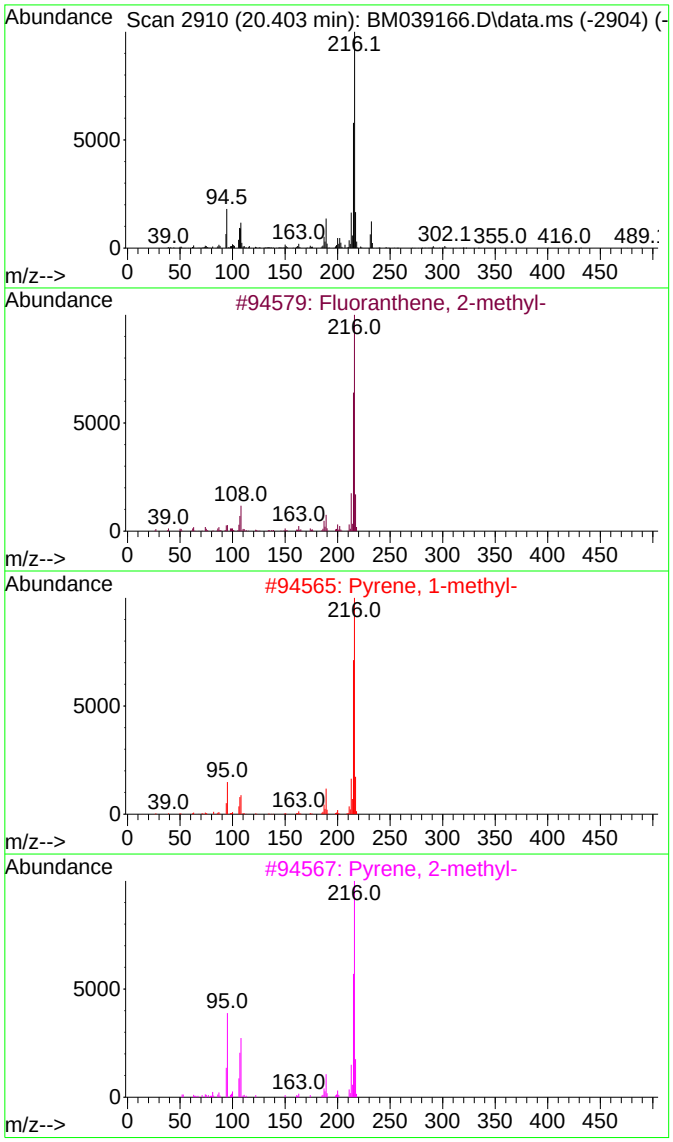
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

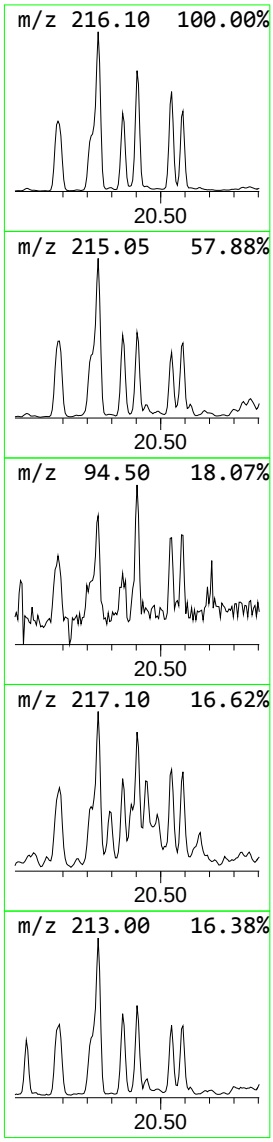
****

Peak Number 14 Fluoranthene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.403	2.94 ng	1814850	Chrysene-d12	21.515

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	97
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	95
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	95
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032723\
Data File : BM039166.D
Acq On : 27 Mar 2023 18:38
Operator : CG/JU
Sample : 02021-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JPP-46A-032023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

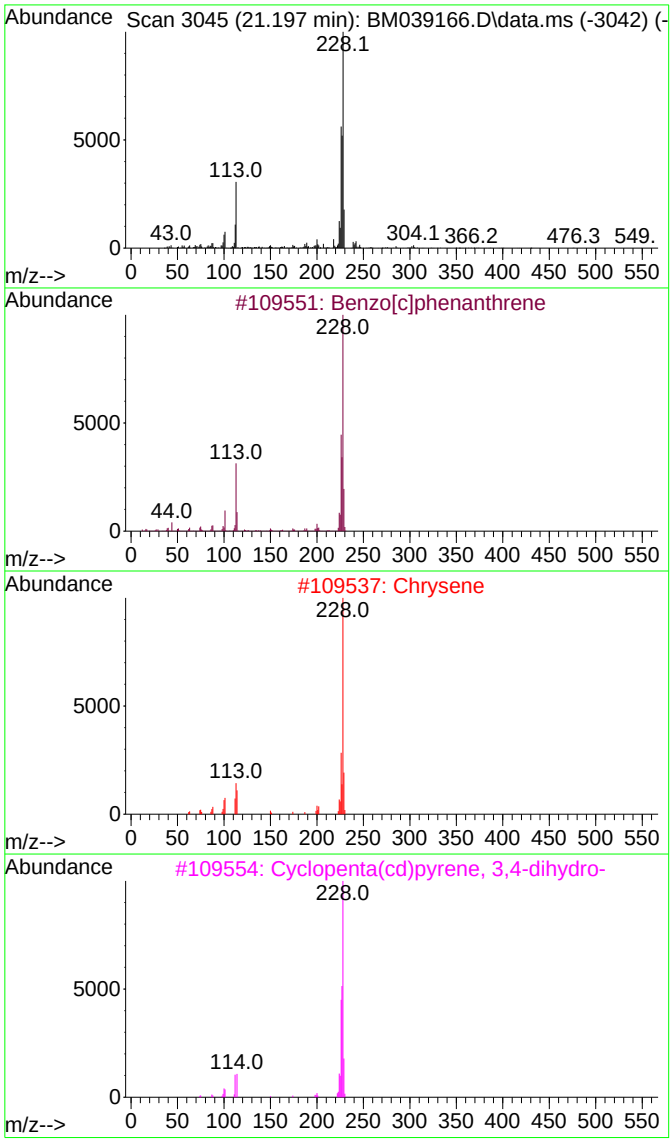
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

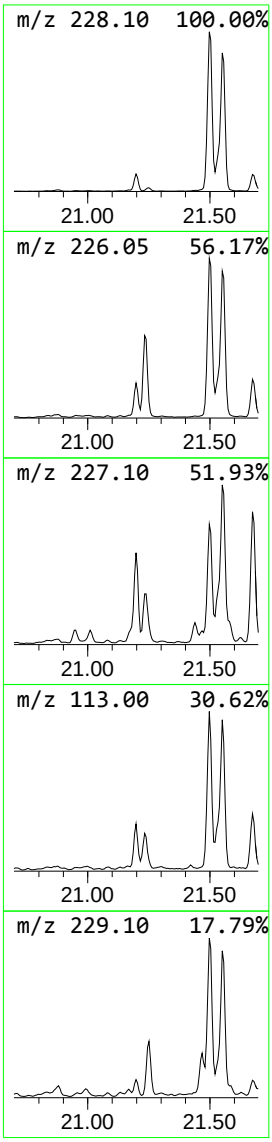
****

Peak Number 15 Benzo[c]phenanthrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.198	2.81 ng	1735860	Chrysene-d12	21.515

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene	228	C18H12	000195-19-7	91
2	Chrysene	228	C18H12	000218-01-9	70
3	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	64
4	Benz[a]anthracene	228	C18H12	000056-55-3	60
5	Triphenylene	228	C18H12	000217-59-4	60





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032723\
Data File : BM039166.D
Acq On : 27 Mar 2023 18:38
Operator : CG/JU
Sample : 02021-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JPP-46A-032023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

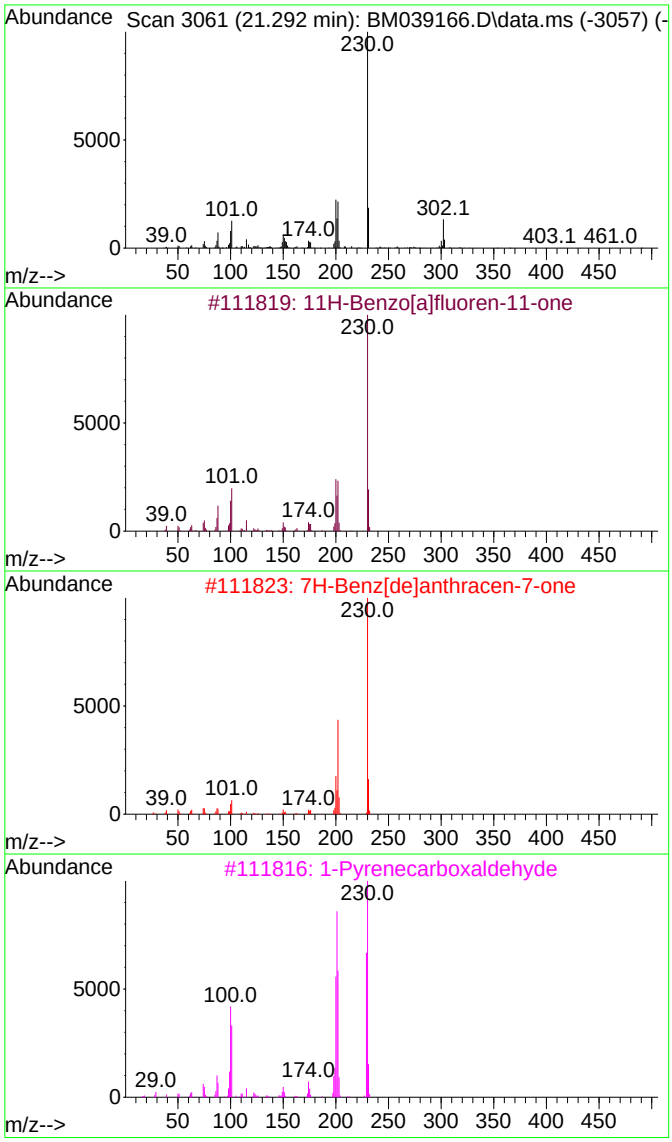
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

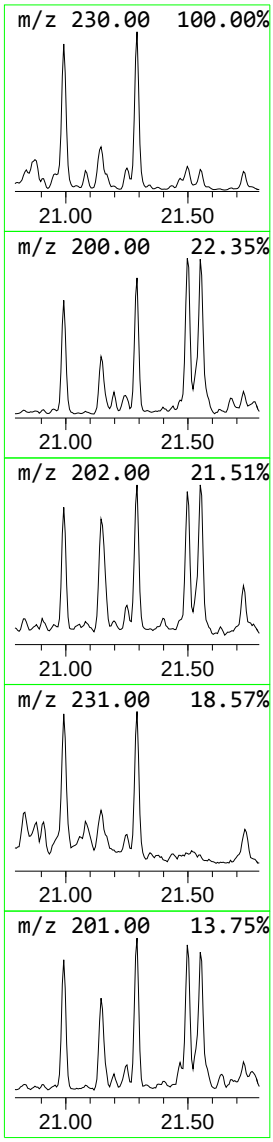
****

Peak Number 16 11H-Benzo[a]fluoren-11-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.292	2.42 ng	1495130	Chrysene-d12	21.515

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	95
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	89
3	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	64
4	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	59
5	9-Chloro-1-phenazinol	230	C12H7ClN2O	091268-03-0	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032723\
Data File : BM039166.D
Acq On : 27 Mar 2023 18:38
Operator : CG/JU
Sample : 02021-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JPP-46A-032023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

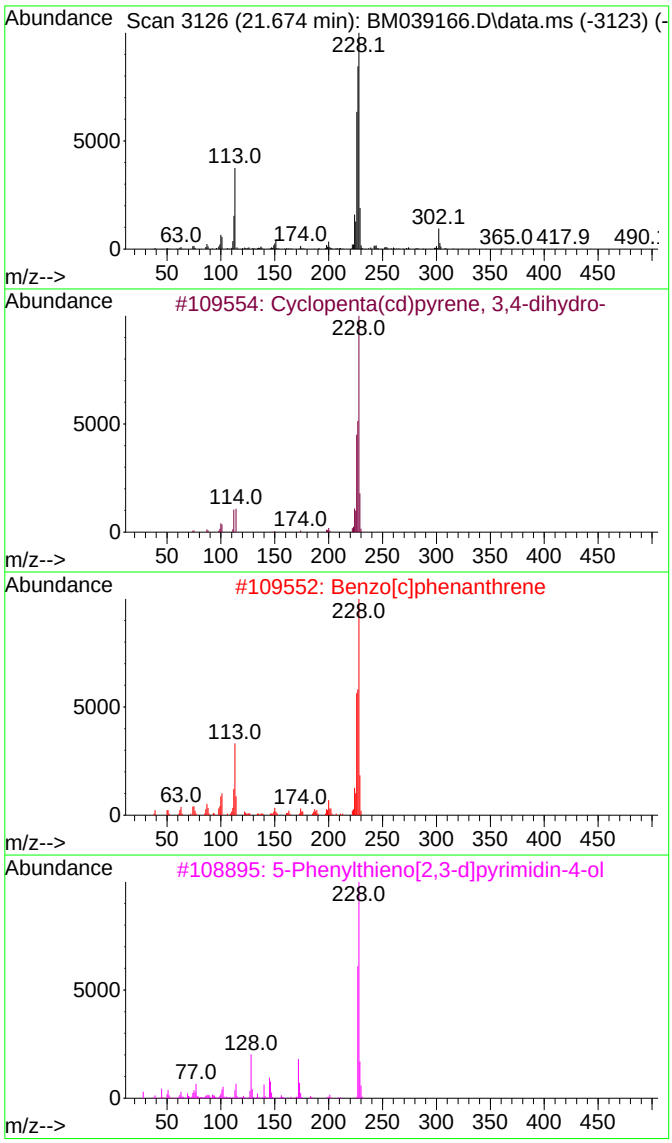
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

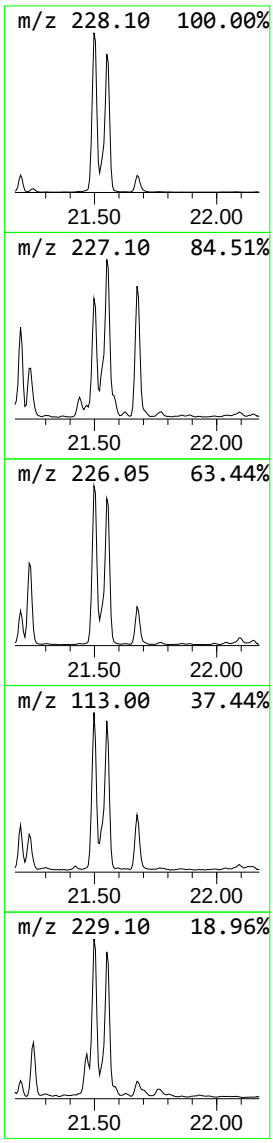
****

Peak Number 17 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.674	2.72 ng	1680360	Chrysene-d12	21.515

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	90
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	49
3	5-Phenylthieno[2,3-d]pyrimidin-4-ol	228	C12H8N2OS	035978-39-3	47
4	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	47
5	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032723\
Data File : BM039166.D
Acq On : 27 Mar 2023 18:38
Operator : CG/JU
Sample : 02021-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JPP-46A-032023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

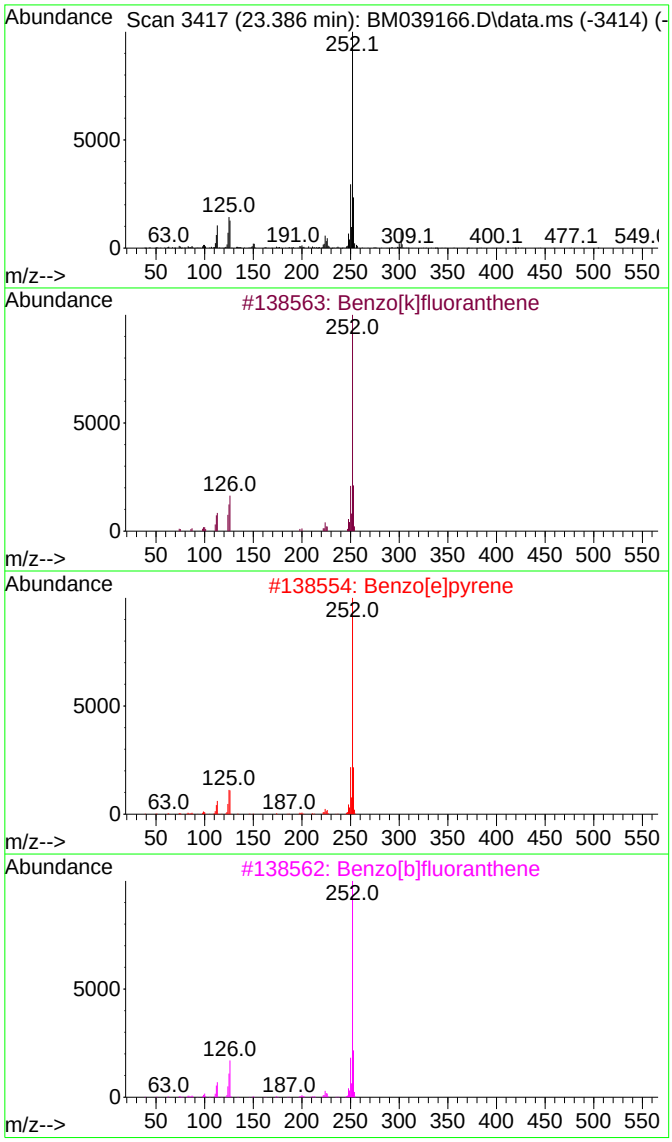
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

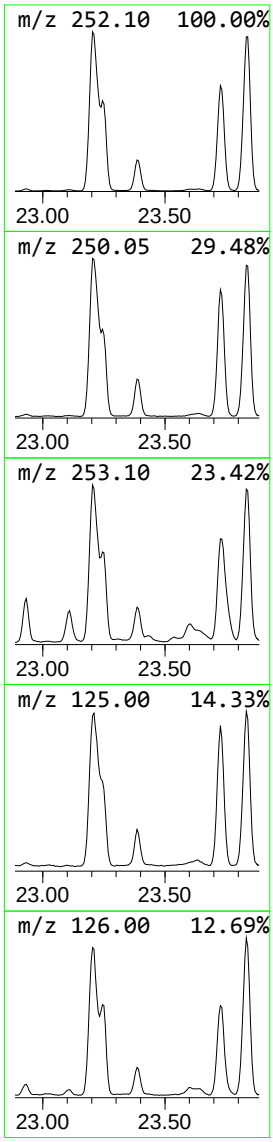
****

Peak Number 18 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.386	12.06 ng	1588600	Perylene-d12	23.939

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
2	Benzo[e]pyrene	252	C20H12	000192-97-2	98
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	96
4	Perylene	252	C20H12	000198-55-0	94
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032723\
Data File : BM039166.D
Acq On : 27 Mar 2023 18:38
Operator : CG/JU
Sample : 02021-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JPP-46A-032023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

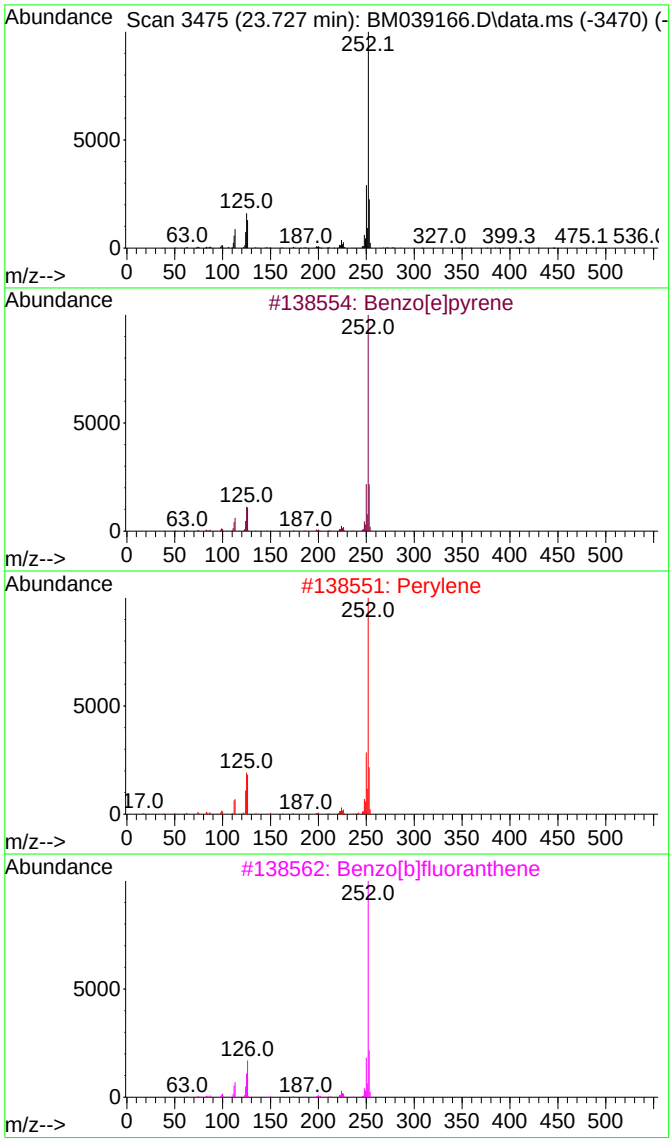
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

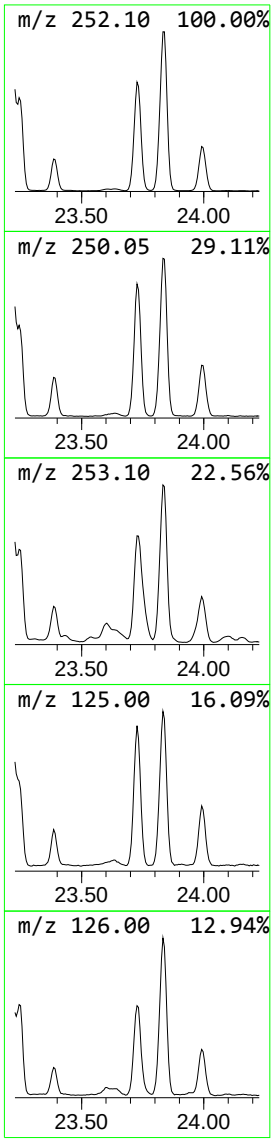
****

Peak Number 19 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.727	49.52 ng	6525170	Perylene-d12	23.939

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Perylene	252	C20H12	000198-55-0	98
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	98
4	Benzo[a]pyrene	252	C20H12	000050-32-8	98
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032723\
Data File : BM039166.D
Acq On : 27 Mar 2023 18:38
Operator : CG/JU
Sample : 02021-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JPP-46A-032023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

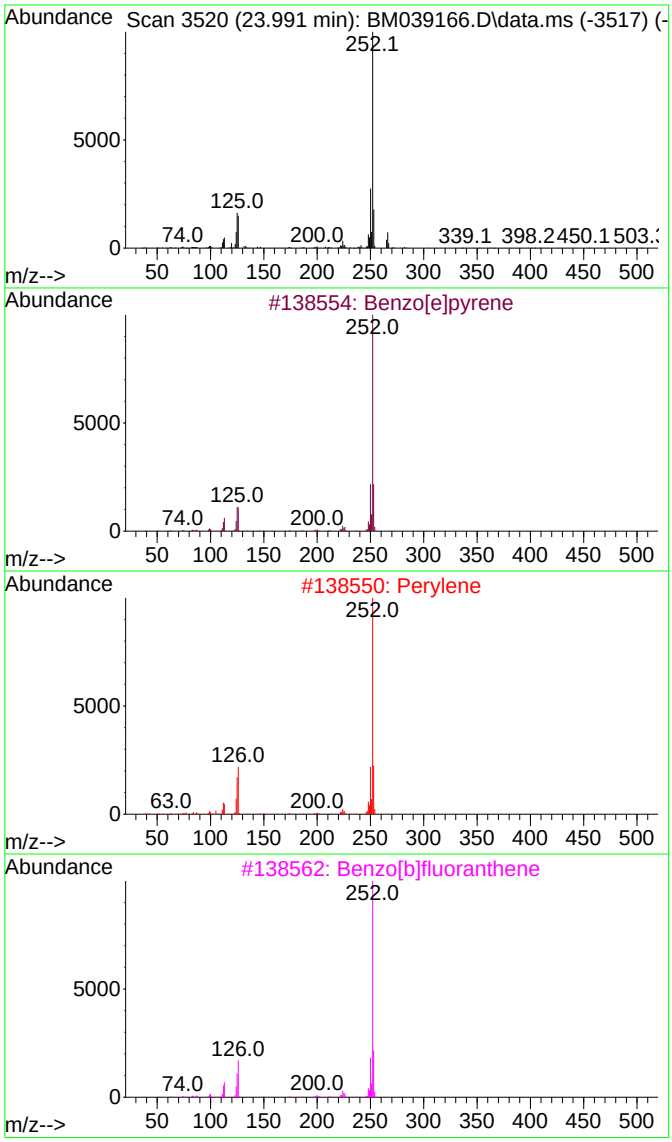
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

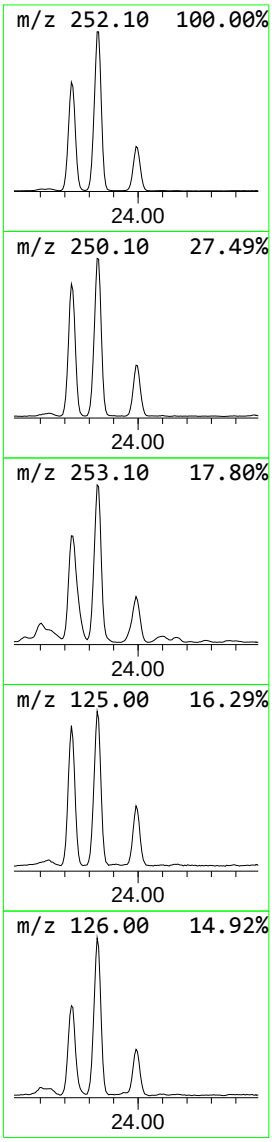
****

Peak Number 20 Benzo[j]fluoranthene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.991	21.70 ng	2860040	Perylene-d12	23.939

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Perylene	252	C20H12	000198-55-0	94
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	89
4	Benzo[a]pyrene	252	C20H12	000050-32-8	89
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032723\
Data File : BM039166.D
Acq On : 27 Mar 2023 18:38
Operator : CG/JU
Sample : 02021-11
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
JPP-46A-032023

Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.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-Pentanone, 4-...	5.034	24.3	ng	1914830	1	7.945	1576390	20.0
Benzophenone	15.945	3.6	ng	477830	3	14.586	2684370	20.0
Dibenzothiophene	17.151	2.2	ng	322715	4	17.333	2961650	20.0
n-Hexadecanoic ...	18.227	18.7	ng	2771480	4	17.333	2961650	20.0
4H-Cyclopenta[d...	18.404	14.8	ng	2198040	4	17.333	2961650	20.0
Phenanthrene, 1...	18.439	4.7	ng	688437	4	17.333	2961650	20.0
Naphthalene, 2-...	18.709	6.0	ng	885811	4	17.333	2961650	20.0
9,10-Anthracene...	18.751	3.9	ng	581468	4	17.333	2961650	20.0
Phenanthrene, 2...	19.127	7.0	ng	1043490	4	17.333	2961650	20.0
Cyclopenta(def)...	19.268	7.2	ng	1071610	4	17.333	2961650	20.0
Pyrene, 1-methyl-	20.074	2.8	ng	1740780	5	21.515	12341300	20.0
11H-Benzo[a]flu...	20.245	3.0	ng	1818120	5	21.515	12341300	20.0
Fluoranthene, 2...	20.403	2.9	ng	1814850	5	21.515	12341300	20.0
Benzo[c]phenant...	21.198	2.8	ng	1735860	5	21.515	12341300	20.0
11H-Benzo[a]flu...	21.292	2.4	ng	1495130	5	21.515	12341300	20.0
Cyclopenta(cd)p...	21.674	2.7	ng	1680360	5	21.515	12341300	20.0
Benzo[e]pyrene	23.386	12.1	ng	1588600	6	23.939	2635550	20.0
Perylene	23.727	49.5	ng	6525170	6	23.939	2635550	20.0
Benzo[j]fluoran...	23.991	21.7	ng	2860040	6	23.939	2635550	20.0