LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052523\
Data File : BG057571.D
Acq On : 26 May 2023 00:01
Operator : CG/JU
Sample : 02940-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : RBR-251671

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_G\Methods\8270-BG042723.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG057571.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.382	308	314	321	rVB	16070	26434	2.59%	0.207%
2	5.870	389	397	410	rBV	218200	368228	36.09%	2.883%
3	7.497	667	674	690	rBV	243158	441674	43.29%	3.458%
4	8.349	811	819	826	rBV	96620	161948	15.87%	1.268%
5	9.529	1010	1020	1031	rBV	161693	285863	28.02%	2.238%
6	11.186	1292	1302	1308	rBV	130641	230416	22.58%	1.804%
7	11.239	1308	1311	1318	rVB	9908	15218	1.49%	0.119%
8	13.589	1703	1711	1718	rBV	467400	707626	69.35%	5.541%
9	14.963	1939	1945	1951	rVV	206991	320882	31.45%	2.512%
10	15.028	1951	1956	1963	rVB	35515	53949	5.29%	0.422%
11	15.357	2004	2012	2018	rBV	18719	30103	2.95%	0.236%
12	16.009	2117	2123	2129	rVB	35595	57414	5.63%	0.450%
13	16.303	2167	2173	2180	rVB	76922	114543	11.23%	0.897%
14	16.450	2192	2198	2207	rBV	312198	483458	47.38%	3.785%
15	17.008	2289	2293	2297	rVB4	10549	14918	1.46%	0.117%
16	17.225	2324	2330	2334	rBV4	7624	13361	1.31%	0.105%
17	17.360	2346	2353	2358	rBV	16121	27834	2.73%	0.218%
18	17.431	2358	2365	2367	rBV5	7260	13525	1.33%	0.106%
19	17.525	2377	2381	2390	rVB	17737	27958	2.74%	0.219%
20	17.707	2406	2412	2416	rBV	247756	403846	39.58%	3.162%
21	17.748	2416	2419	2426	rVV	362599	512356	50.21%	4.012%
22	17.842	2427	2435	2442	rVV	88400	136307	13.36%	1.067%
23	18.106	2474	2480	2490	rBV	41219	79634	7.80%	0.624%
24	18.212	2494	2498	2503	rBV3	9035	13586	1.33%	0.106%
25	18.288	2507	2511	2522	rVB8	9740	19184	1.88%	0.150%
26	18.494	2542	2546	2550	rBV7	5684	11496	1.13%	0.090%
27	18.541	2550	2554	2556	rBV3	22193	29213	2.86%	0.229%
28	18.576	2556	2560	2563	rVB2	42405	59437	5.83%	0.465%
29	18.623	2563	2568	2573	rVB	66618	99397	9.74%	0.778%
30	18.699	2577	2581	2587	rVB	28157	38680	3.79%	0.303%
31	18.776	2587	2594	2597	rBV3	69634	141362	13.85%	1.107%
32	18.905	2613	2616	2620	rBV6	6700	10607	1.04%	0.083%
33	19.058	2637	2642	2647	rBV	40735	58707	5.75%	0.460%
34	19.111	2647	2651	2657	rVB2	34155	52398	5.14%	0.410%
35	19.299	2681	2683	2687	rVB3	11628	11551	1.13%	0.090%
36	19.351	2689	2692	2696	rVB2	10122	10939	1.07%	0.086%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052523\
Data File : BG057571.D
Acq On : 26 May 2023 00:01
Operator : CG/JU
Sample : 02940-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RBR-251671

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_G\Methods\8270-BG042723.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	19.393	2696	2699	2701	rVB	11428	12674	1.24%	0.099%
38	19.469	2704	2712	2716	rBV	32583	62082	6.08%	0.486%
39	19.534	2718	2723	2726	rBV5	10587	20851	2.04%	0.163%
40	19.628	2732	2739	2744	rBV3	34744	62285	6.10%	0.488%
41	19.739	2751	2758	2764	rBV	661659	958005	93.89%	7.501%
42	19.833	2770	2774	2780	rVB4	12495	23451	2.30%	0.184%
43	19.986	2796	2800	2808	rVB	25060	46283	4.54%	0.362%
44	20.062	2808	2813	2816	rBV2	119499	200948	19.69%	1.573%
45	20.103	2816	2820	2826	rVV	541144	770099	75.47%	6.030%
46	20.162	2826	2830	2835	rVB	35836	52474	5.14%	0.411%
47	20.274	2843	2849	2855	rBV	790241	1020375	100.00%	7.989%
48	20.421	2868	2874	2879	rVB4	42132	91030	8.92%	0.713%
49	20.474	2881	2883	2887	rVB	12863	13027	1.28%	0.102%
50	20.550	2891	2896	2897	rVV2	34620	53263	5.22%	0.417%
51	20.579	2898	2901	2910	rVB	95601	152340	14.93%	1.193%
52	20.679	2913	2918	2921	rBV	76244	105578	10.35%	0.827%
53	20.744	2921	2929	2932	rVV2	46686	99343	9.74%	0.778%
54	20.773	2932	2934	2937	rVB2	16125	18788	1.84%	0.147%
55	20.885	2949	2953	2956	rBV	38282	53454	5.24%	0.419%
56	20.932	2958	2961	2969	rVB2	34703	58489	5.73%	0.458%
57	21.314	3024	3026	3031	rBV5	11464	18029	1.77%	0.141%
58	21.372	3032	3036	3041	rVB	50194	75755	7.42%	0.593%
59	21.566	3064	3069	3073	rBV3	96130	155556	15.24%	1.218%
60	21.666	3082	3086	3091	rBV2	54397	98816	9.68%	0.774%
61	21.725	3094	3096	3107	rVB	46446	79789	7.82%	0.625%
62	22.001	3135	3143	3150	rBV4	323935	963426	94.42%	7.543%
63	22.065	3150	3154	3166	rVB	228785	415380	40.71%	3.252%
64	22.230	3177	3182	3187	rBV	48975	89208	8.74%	0.698%
65	22.459	3217	3221	3226	rVB3	37032	63019	6.18%	0.493%
66	22.788	3273	3277	3287	rVB2	49634	96981	9.50%	0.759%
67	23.093	3325	3329	3333	rBV2	24991	48221	4.73%	0.378%
68	24.398	3542	3551	3559	rBV	208879	702671	68.86%	5.502%
69	25.185	3679	3685	3696	rVB	97896	295955	29.00%	2.317%
70	25.349	3705	3713	3723	rBV2	135844	396014	38.81%	3.101%
71	25.520	3734	3742	3749	rBV	110861	301350	29.53%	2.359%
72	30.807	4640	4642	4643	rBV2	15106	12766	1.25%	0.100%

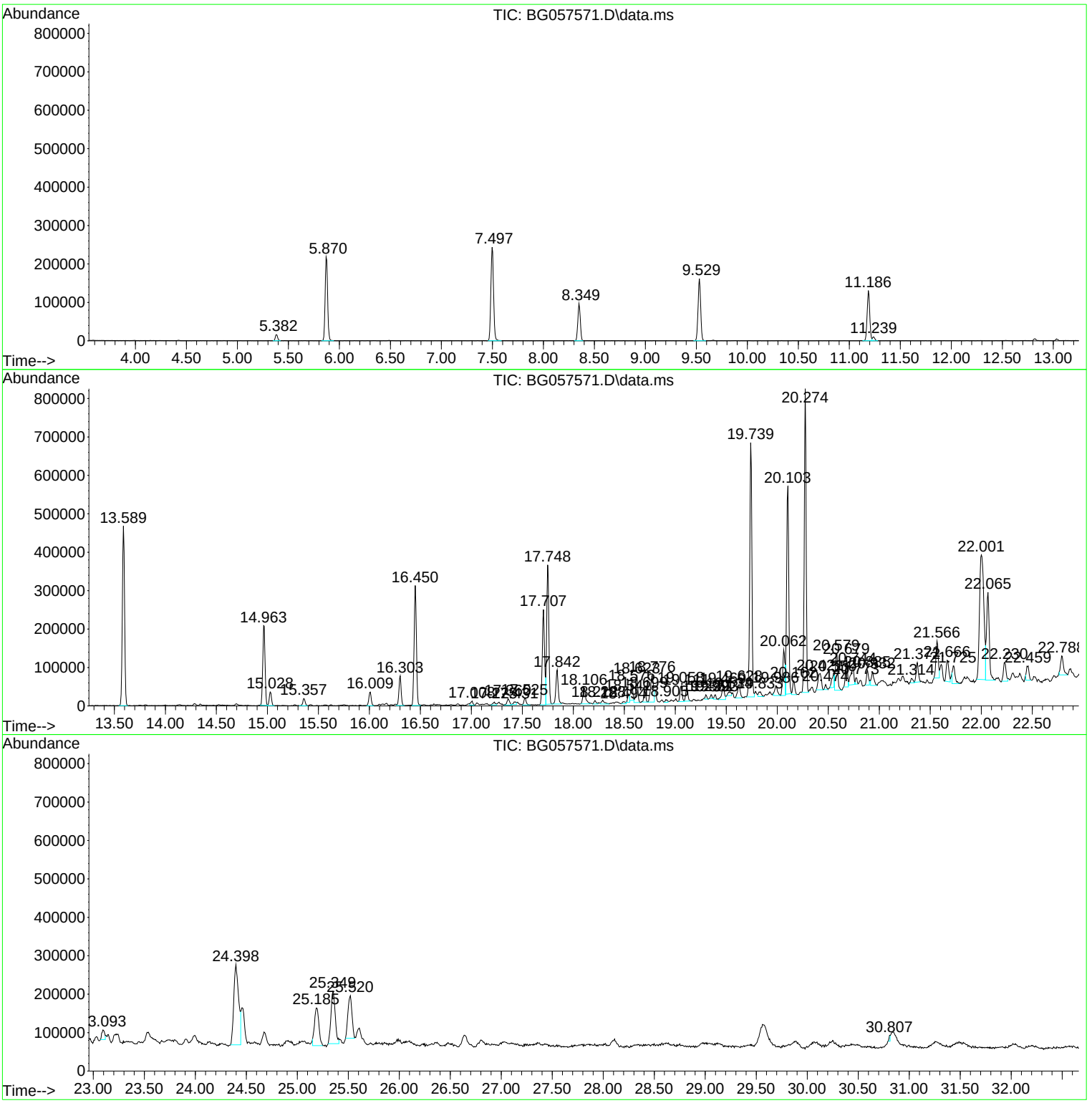
Sum of corrected areas: 12771827

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052523\
Data File : BG057571.D
Acq On : 26 May 2023 00:01
Operator : CG/JU
Sample : 02940-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RBR-251671

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.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_G\Data\BG052523\
Data File : BG057571.D
Acq On : 26 May 2023 00:01
Operator : CG/JU
Sample : 02940-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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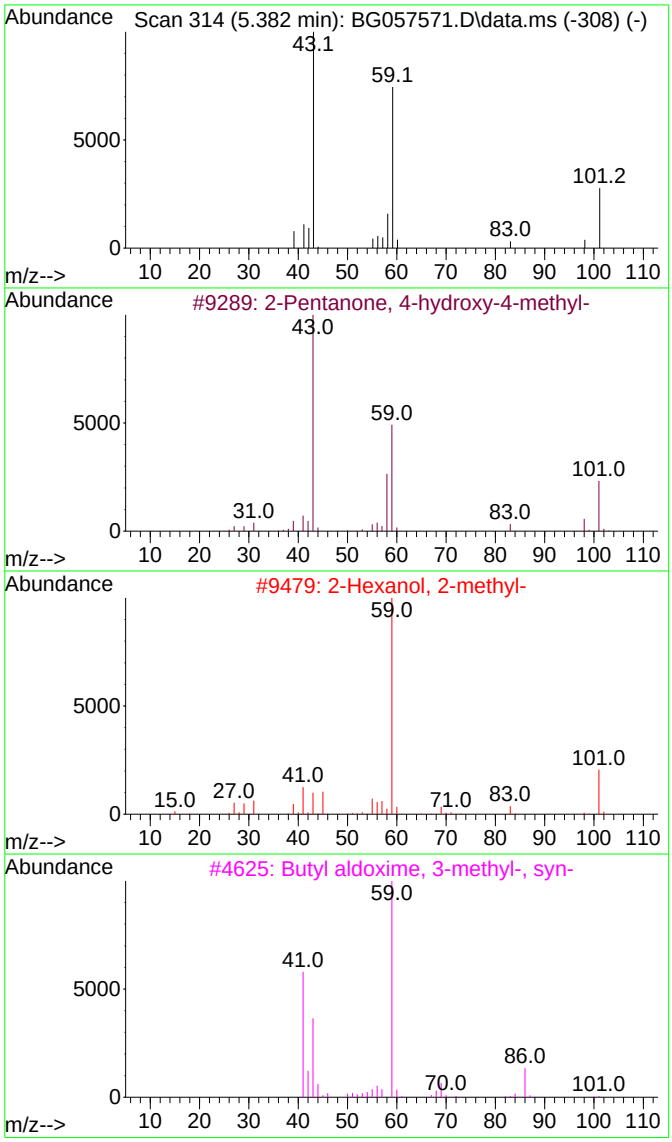
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

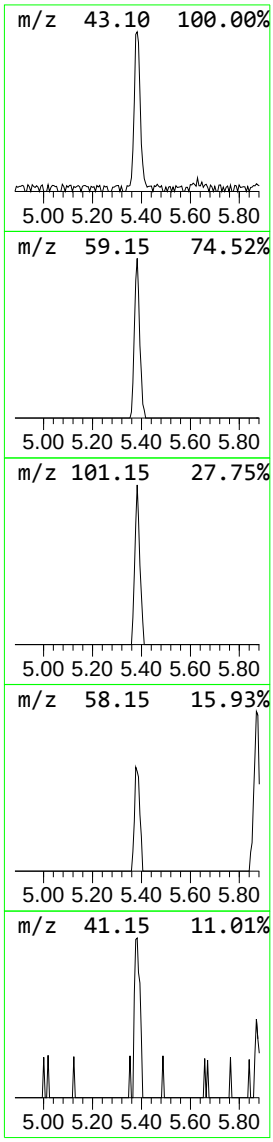
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.382	3.26 ng	26434	1,4-Dichlorobenzene-d4	8.349

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	45
2	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	42
3	Butyl aldoxime, 3-methyl-, syn-	101	C5H11NO	005780-40-5	28
4	Guanidine	59	CH5N3	000113-00-8	9
5	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052523\
Data File : BG057571.D
Acq On : 26 May 2023 00:01
Operator : CG/JU
Sample : 02940-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RBR-251671

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

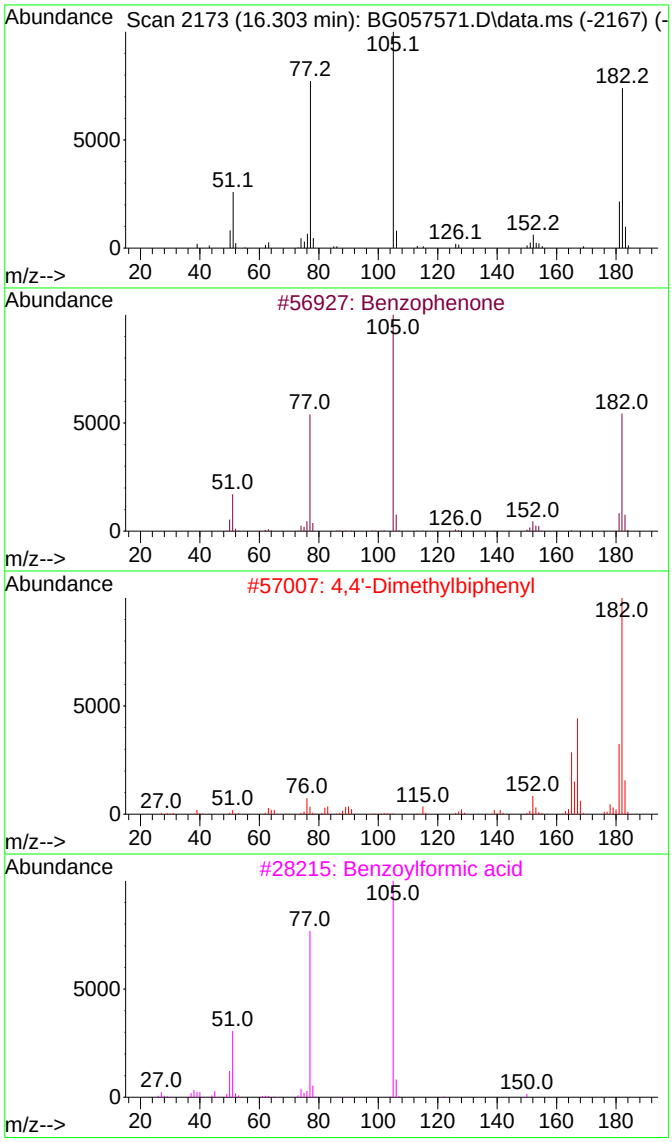
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

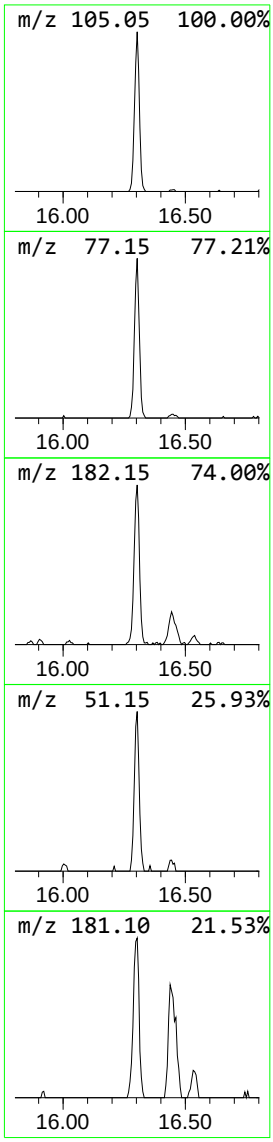
****

Peak Number 2 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.303	7.14 ng	114543	Acenaphthene-d10	14.969

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	95
2	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	43
3	Benzoylformic acid	150	C8H6O3	000611-73-4	43
4	Phenazine, 5,10-dihydro-	182	C12H10N2	000613-32-1	43
5	Benzilic acid	228	C14H12O3	000076-93-7	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052523\
Data File : BG057571.D
Acq On : 26 May 2023 00:01
Operator : CG/JU
Sample : 02940-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RBR-251671

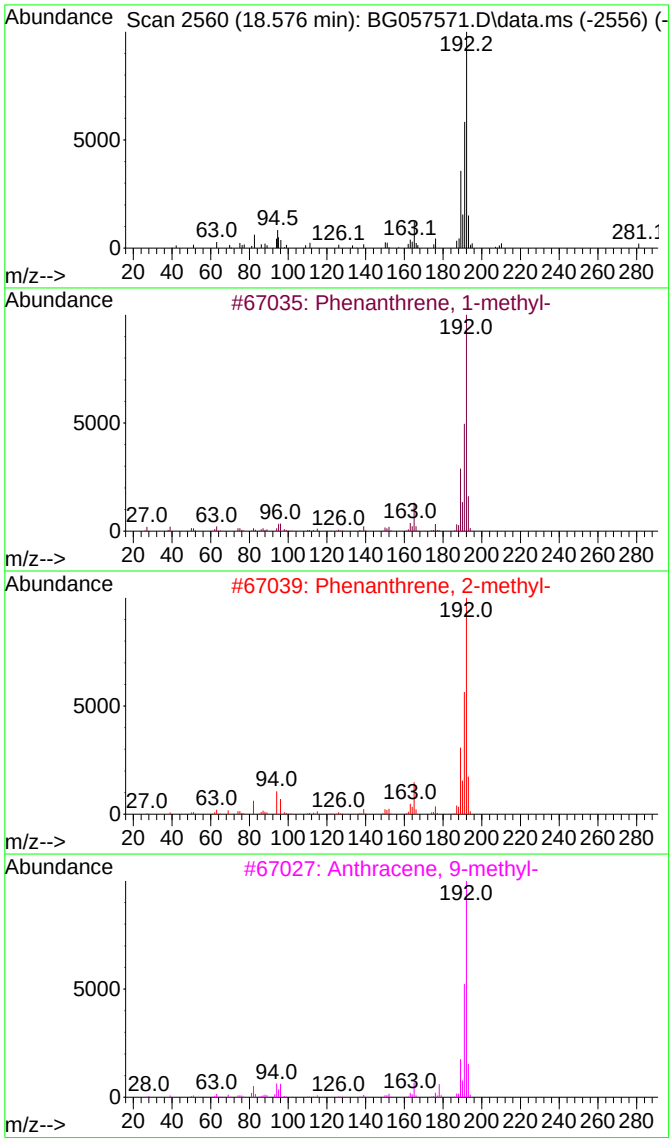
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

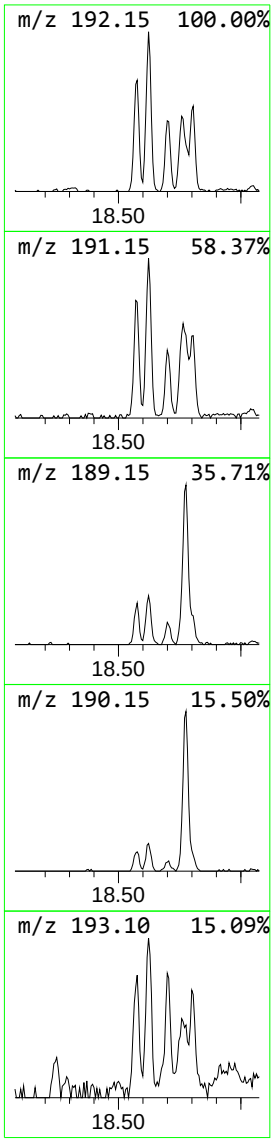
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Phenanthrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.576	2.94 ng	59437	Phenanthrene-d10	17.707

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052523\
Data File : BG057571.D
Acq On : 26 May 2023 00:01
Operator : CG/JU
Sample : 02940-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RBR-251671

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

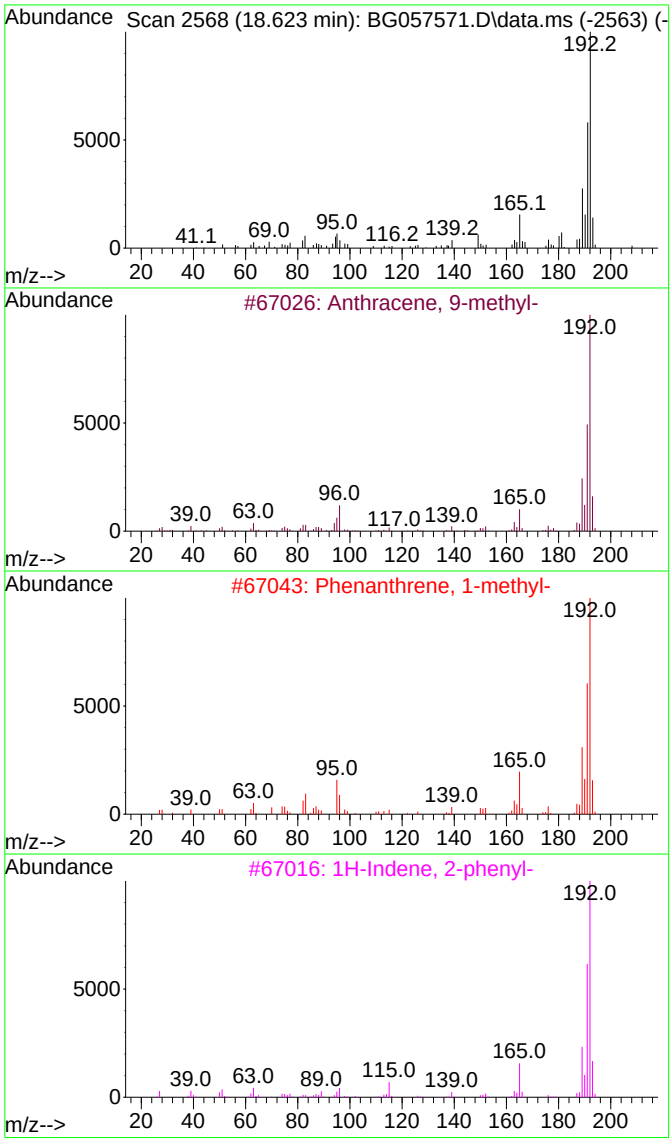
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

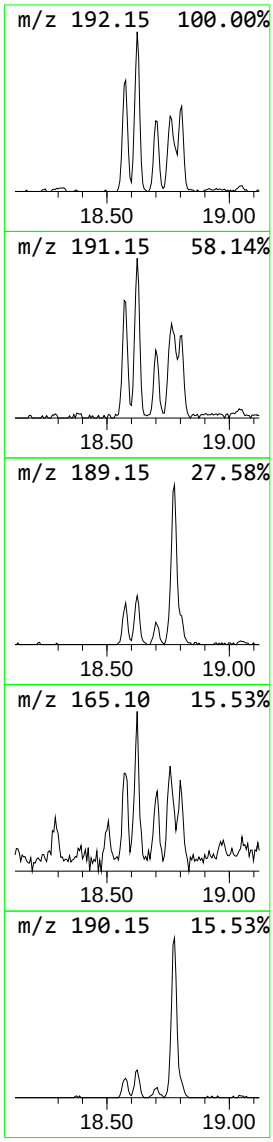
****

Peak Number 4 Anthracene, 9-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.623	4.92 ng	99397	Phenanthrene-d10	17.707

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052523\
Data File : BG057571.D
Acq On : 26 May 2023 00:01
Operator : CG/JU
Sample : 02940-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RBR-251671

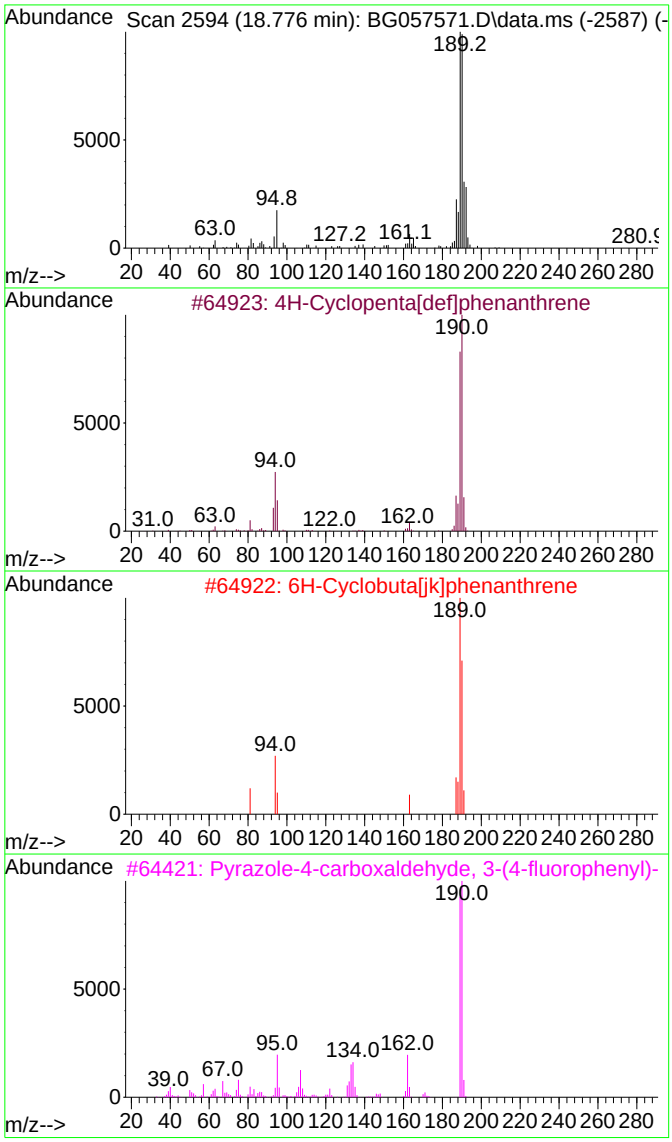
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

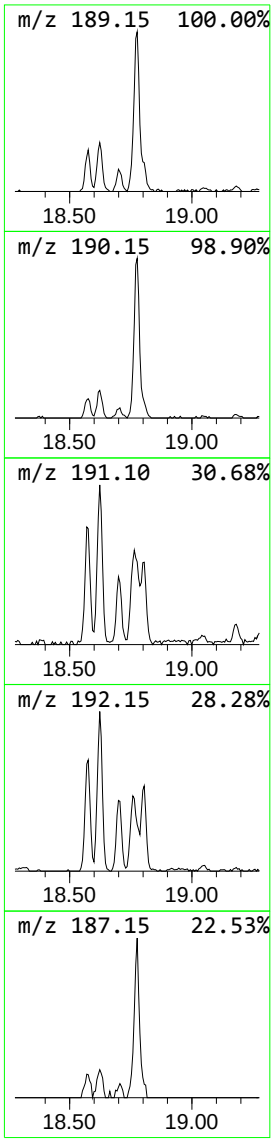
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.776	7.00 ng	141362	Phenanthrene-d10	17.707

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	53
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
5	Cyclohexanone, 2-(2-furanylmethy...	190	C12H14O2	056053-07-7	27





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052523\
Data File : BG057571.D
Acq On : 26 May 2023 00:01
Operator : CG/JU
Sample : 02940-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RBR-251671

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

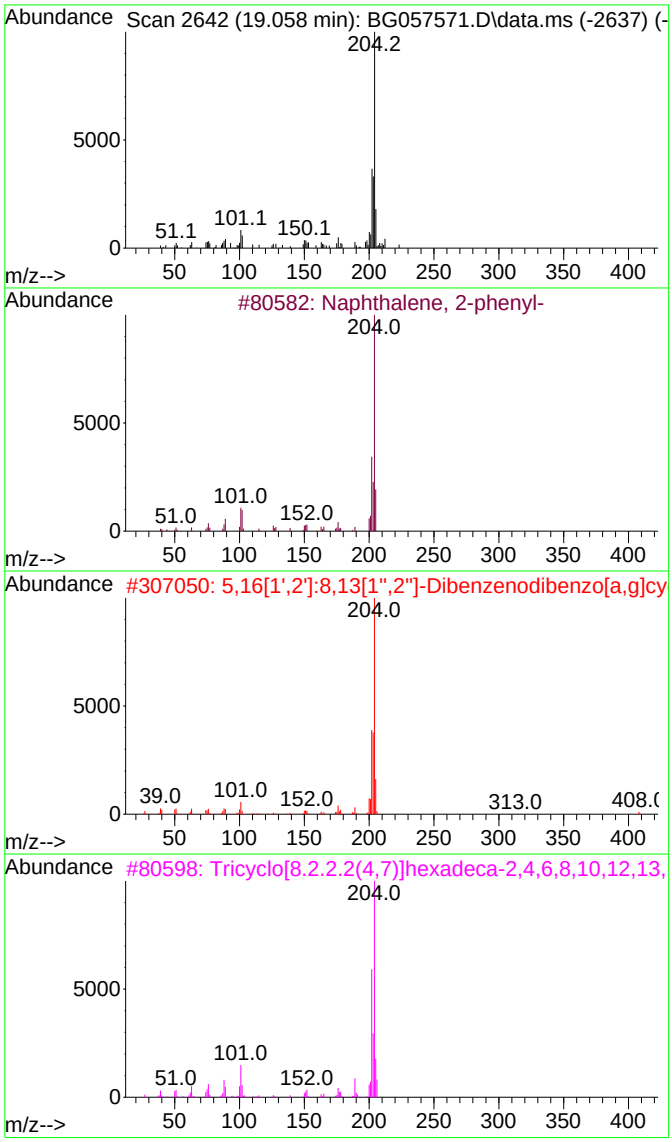
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

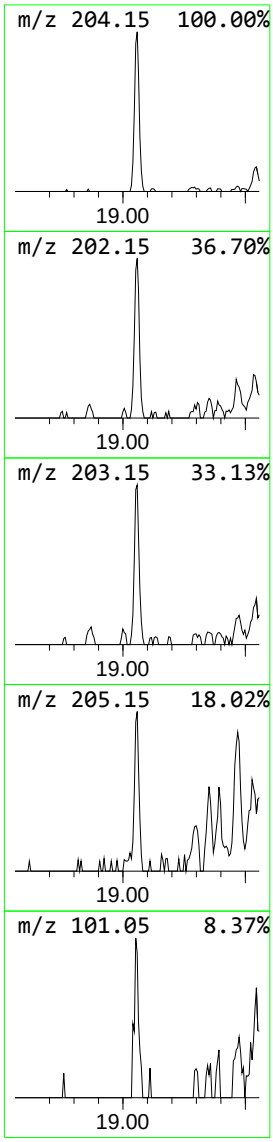
****

Peak Number 6 Naphthalene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.058	2.91 ng	58707	Phenanthrene-d10	17.707

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	76
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	59
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052523\
Data File : BG057571.D
Acq On : 26 May 2023 00:01
Operator : CG/JU
Sample : 02940-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RBR-251671

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

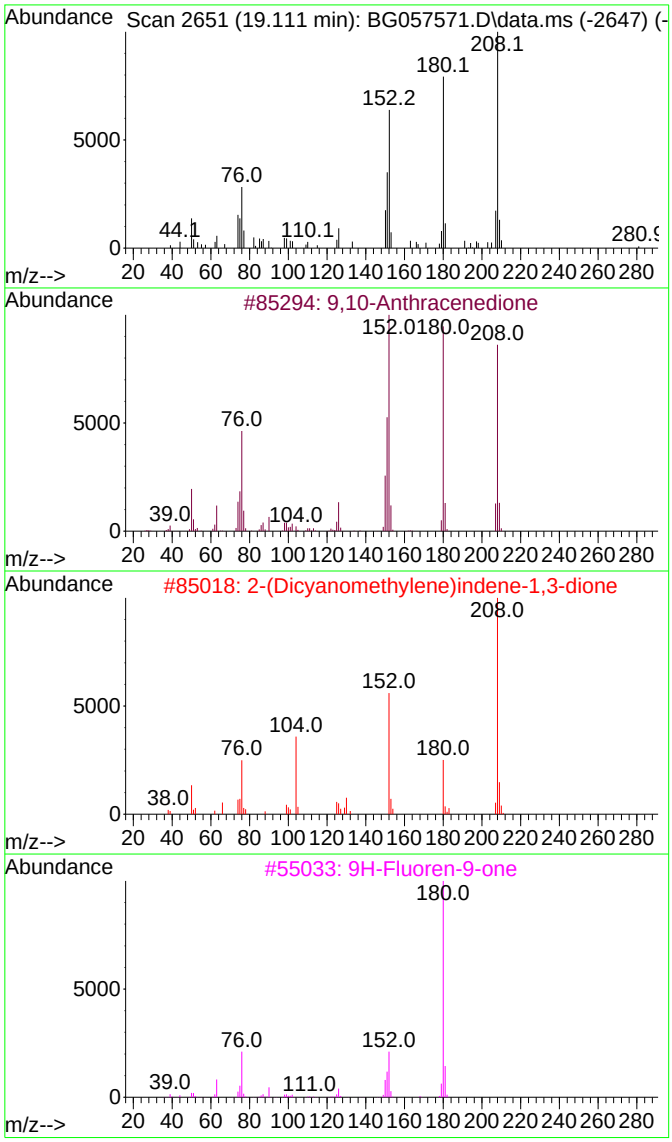
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

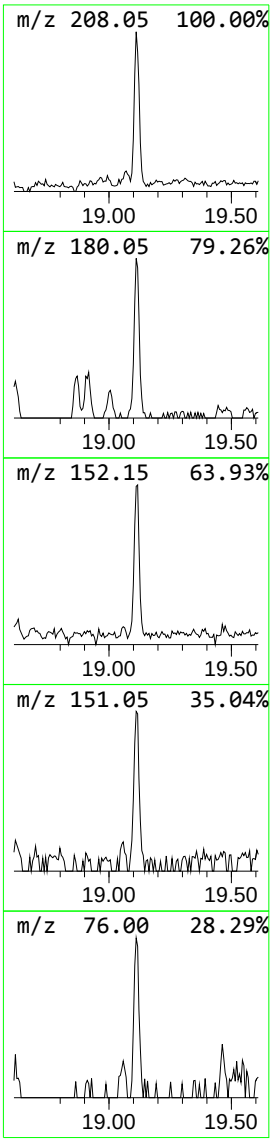
****

Peak Number 7 9,10-Anthracenedione Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.111	2.59 ng	52398	Phenanthrene-d10	17.707

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
2	2-(Dicyanomethylene)indene-1,3-d...	208	C12H4N2O2	016954-74-8	64
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	60
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	55
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	55





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Data File : BG057571.D
Acq On : 26 May 2023 00:01
Operator : CG/JU
Sample : 02940-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RBR-251671

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

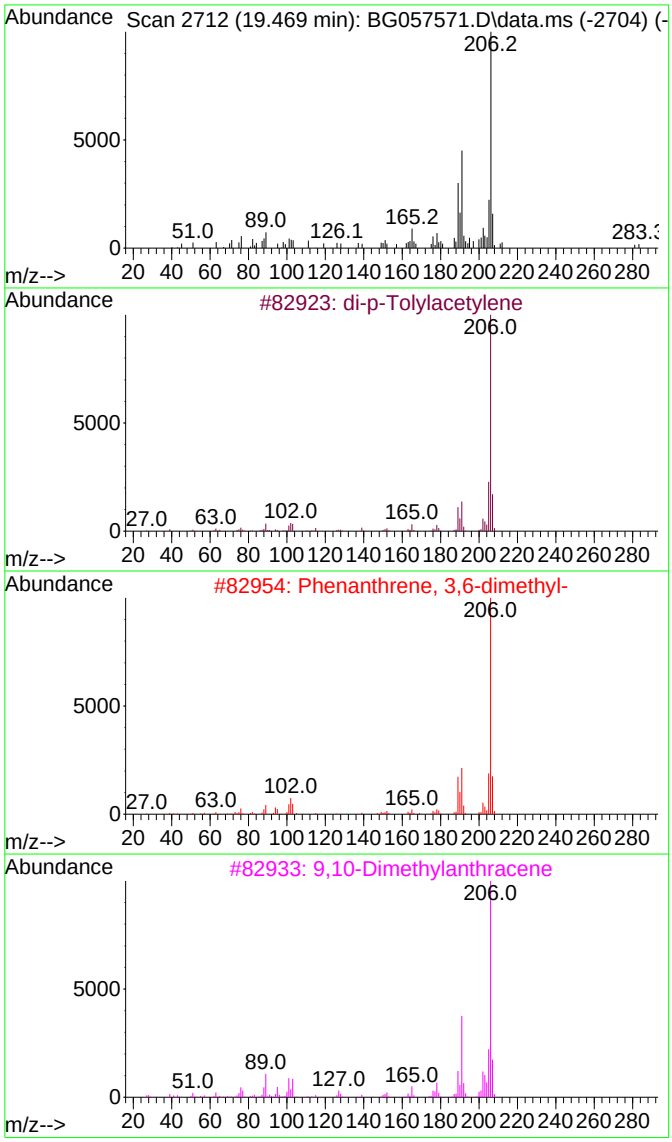
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

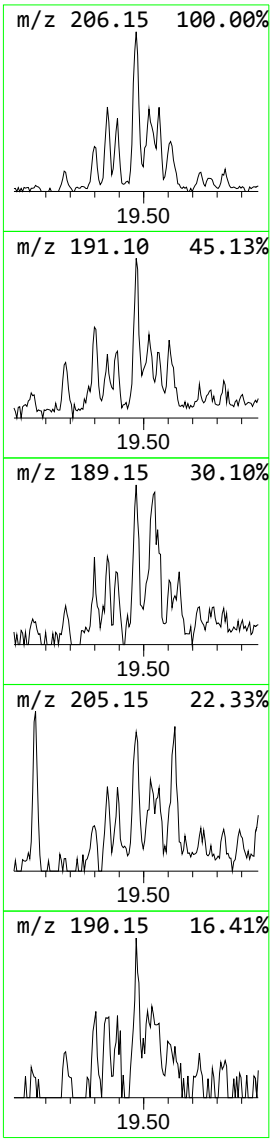
****

Peak Number 8 di-p-Tolylacetylene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.469	3.07 ng	62082	Phenanthrene-d10	17.707

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	86
5	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	80





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Acq On : 26 May 2023 00:01
Operator : CG/JU
Sample : 02940-01
Misc :
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BNA_G
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

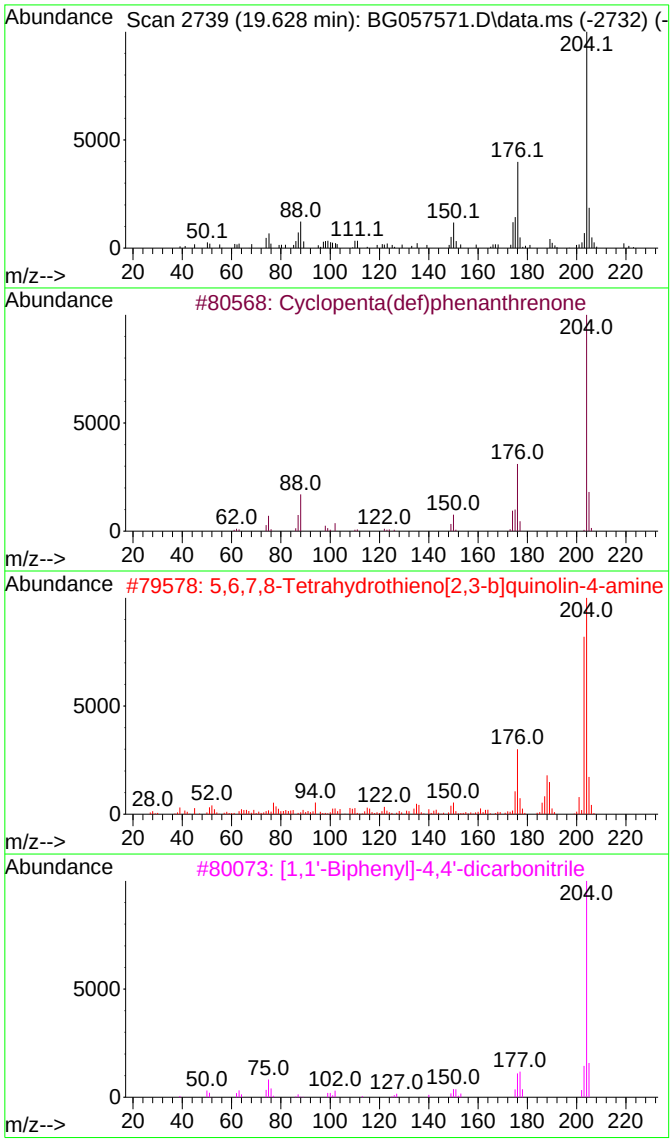
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

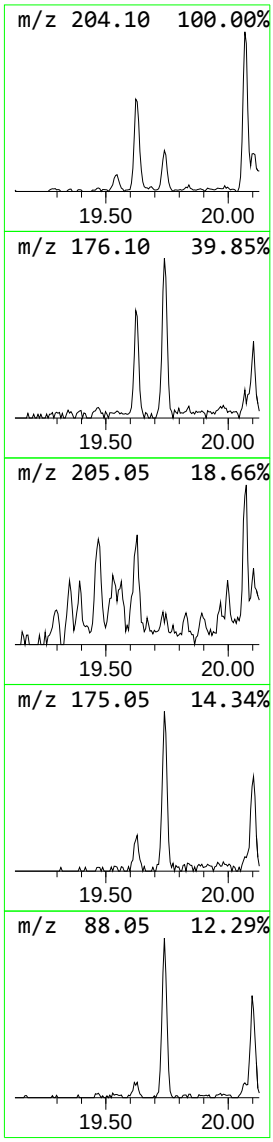
****

Peak Number 9 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.628	3.08 ng	62285	Phenanthrene-d10	17.707

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	91
2	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	64
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
4	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	50
5	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	47





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Acq On : 26 May 2023 00:01
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ALS Vial : 13 Sample Multiplier: 1

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BNA_G
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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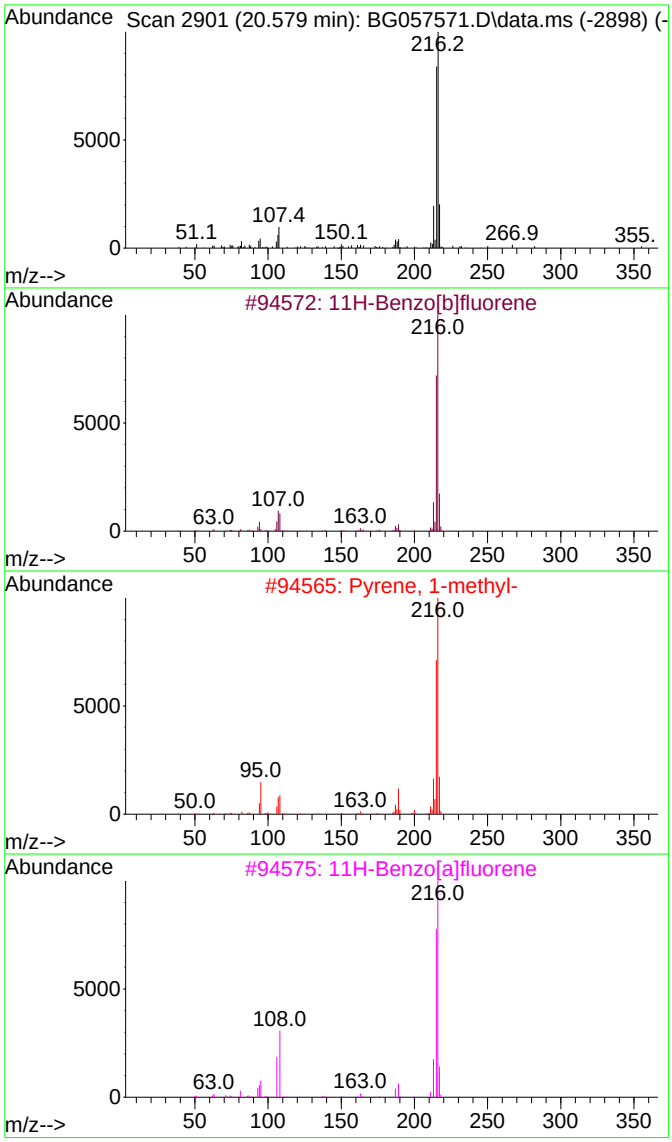
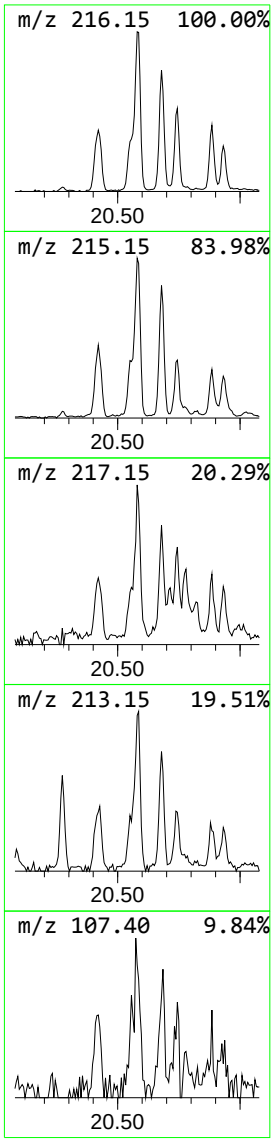
Peak Number 10 11H-Benzo[b]fluorene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.579	3.16 ng	152340	Chrysene-d12	22.013

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	86
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	78
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





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Acq On : 26 May 2023 00:01
Operator : CG/JU
Sample : 02940-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RBR-251671

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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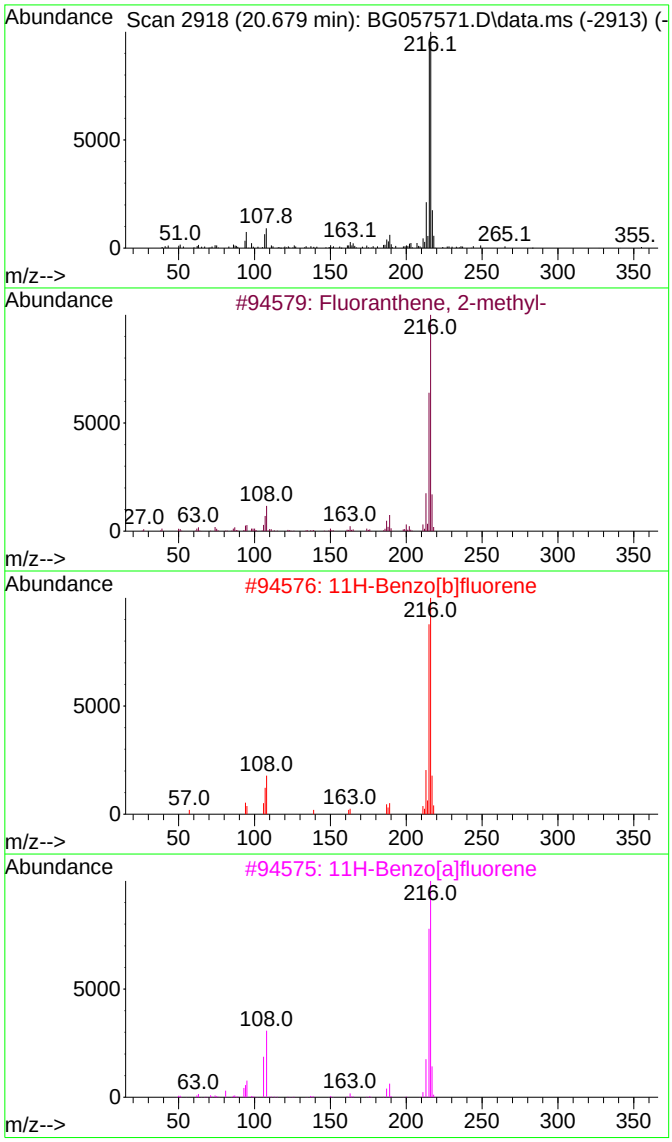
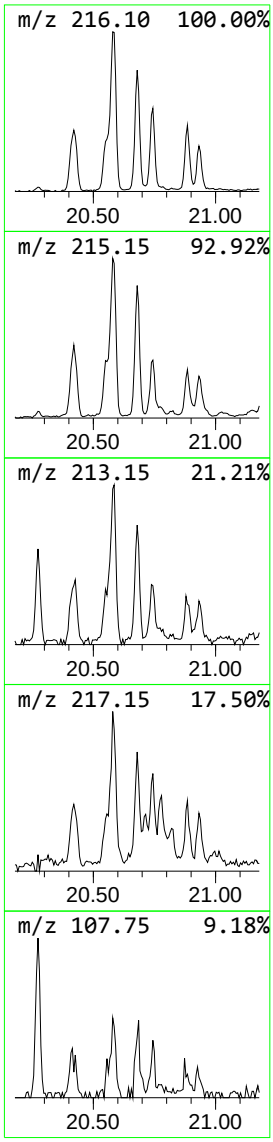
Peak Number 11 Fluoranthene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.679	2.19 ng	105578	Chrysene-d12	22.013

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	70





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Acq On : 26 May 2023 00:01
Operator : CG/JU
Sample : 02940-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RBR-251671

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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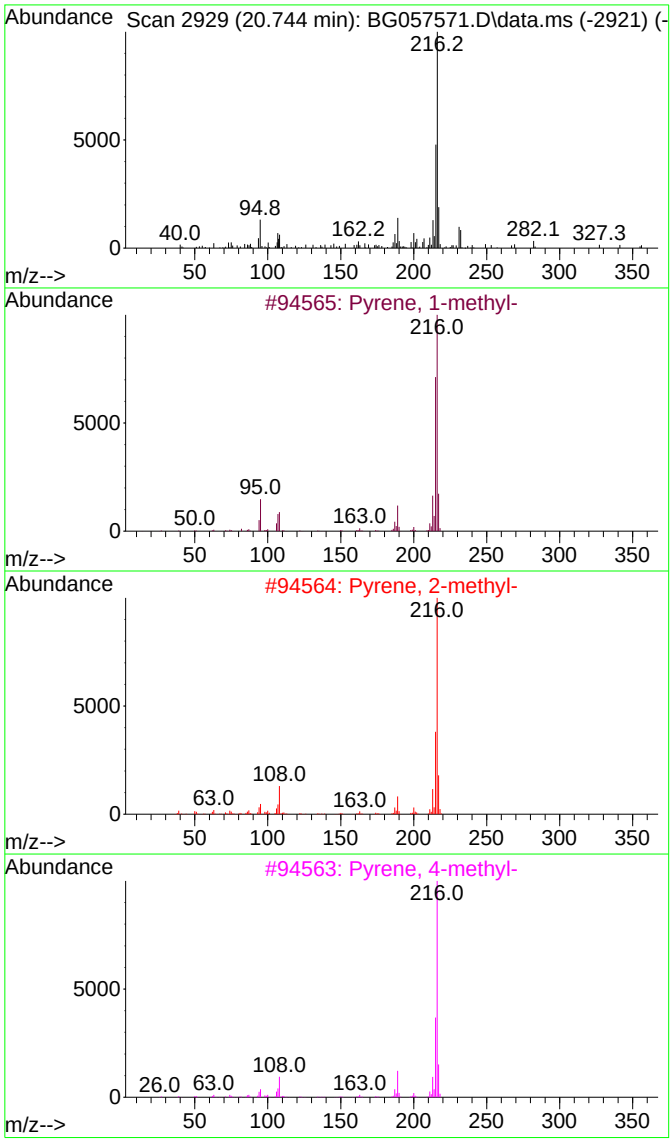
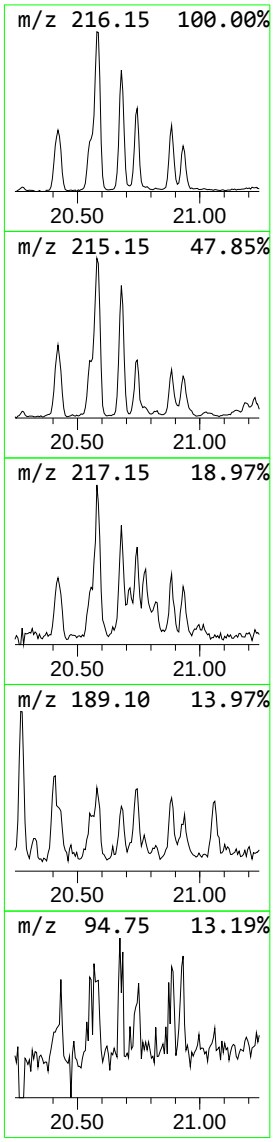
Peak Number 12 Pyrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.744	2.06 ng	99343	Chrysene-d12	22.013

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	68





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Acq On : 26 May 2023 00:01
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Sample : 02940-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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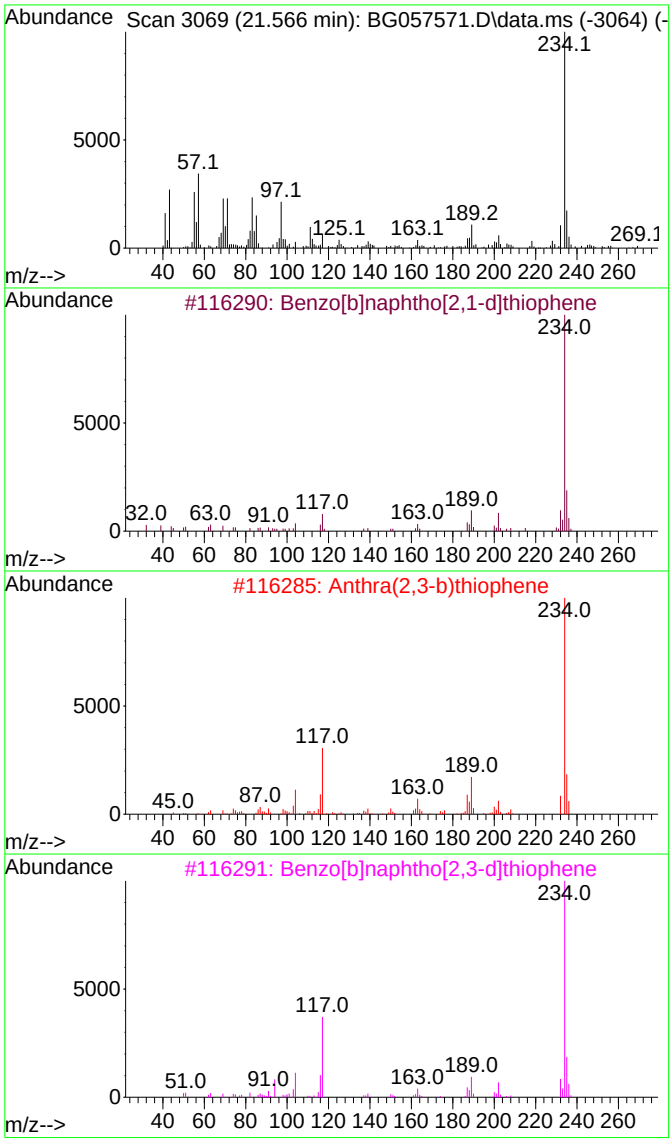
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

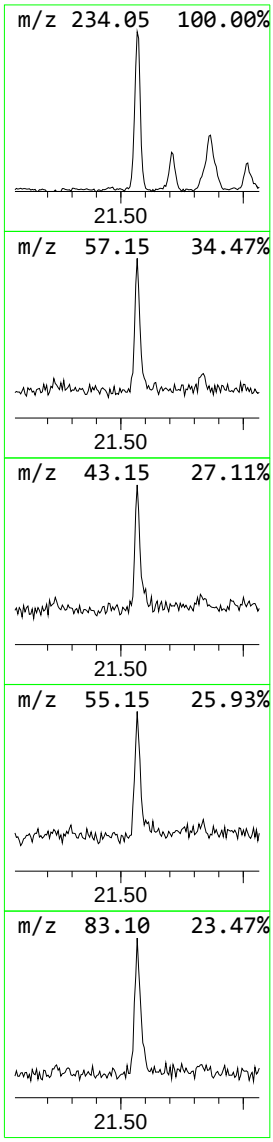
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.566	3.23 ng	155556	Chrysene-d12	22.013

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
2	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	92
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	83
4	Phenanthro(2,1-b)thiophene	234	C16H10S	000219-25-0	78
5	Phenanthro[4,3-b]thiophene	234	C16H10S	000195-68-6	60





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Acq On : 26 May 2023 00:01
Operator : CG/JU
Sample : 02940-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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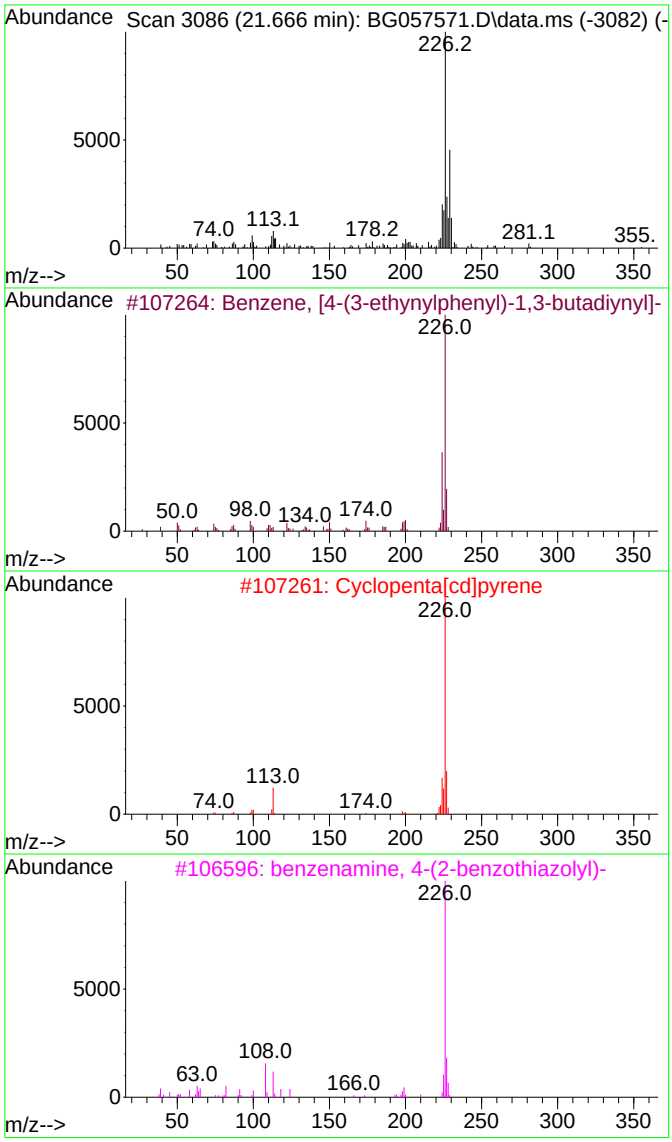
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

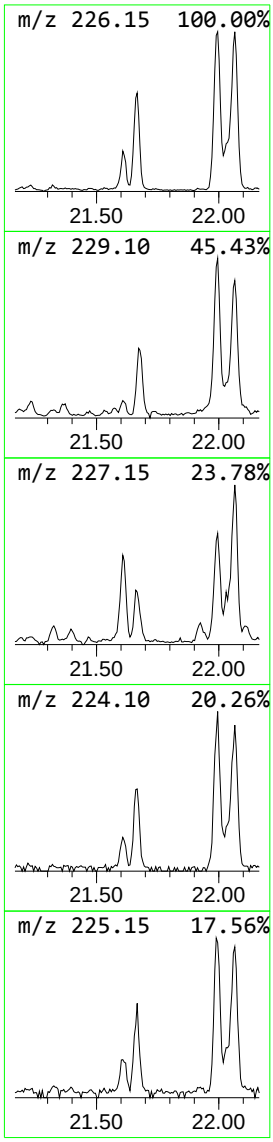
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Benzene, [4-(3-ethynylpheny... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.666	2.05 ng	98816	Chrysene-d12	22.013

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	55
2	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	46
3	benzenamine, 4-(2-benzothiazolyl)-	226	C13H10N2S	1000400-93-4	43
4	6-Methyl-4-phenyl-3-cyanopyridin...	226	C13H10N2S	078564-23-5	38
5	1,1,3,3-Tetrachloro-1,3-disilacy...	224	C2H4Cl4Si2	002146-97-6	38





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Operator : CG/JU
Sample : 02940-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.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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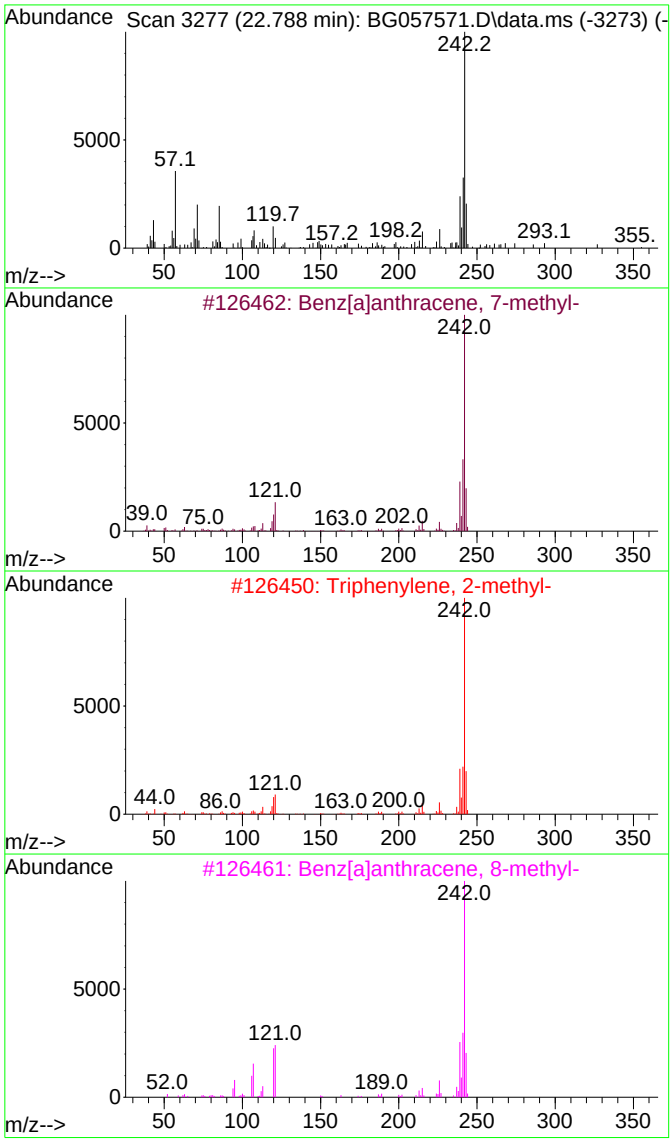
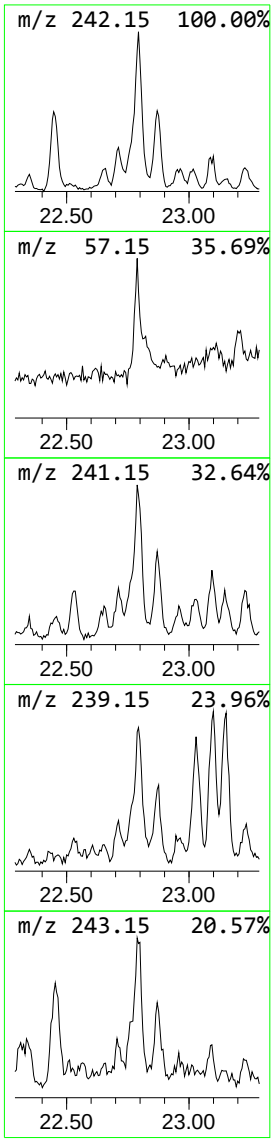
Peak Number 15 Benz[a]anthracene, 7-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.788	2.01 ng	96981	Chrysene-d12	22.013

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	83
2	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	83
3	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	70
4	2-Methylchrysene	242	C19H14	003351-32-4	64
5	Benz[a]anthracene, 2-methyl-	242	C19H14	002498-76-2	64





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Sample : 02940-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
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ClientSampleId :
RBR-251671

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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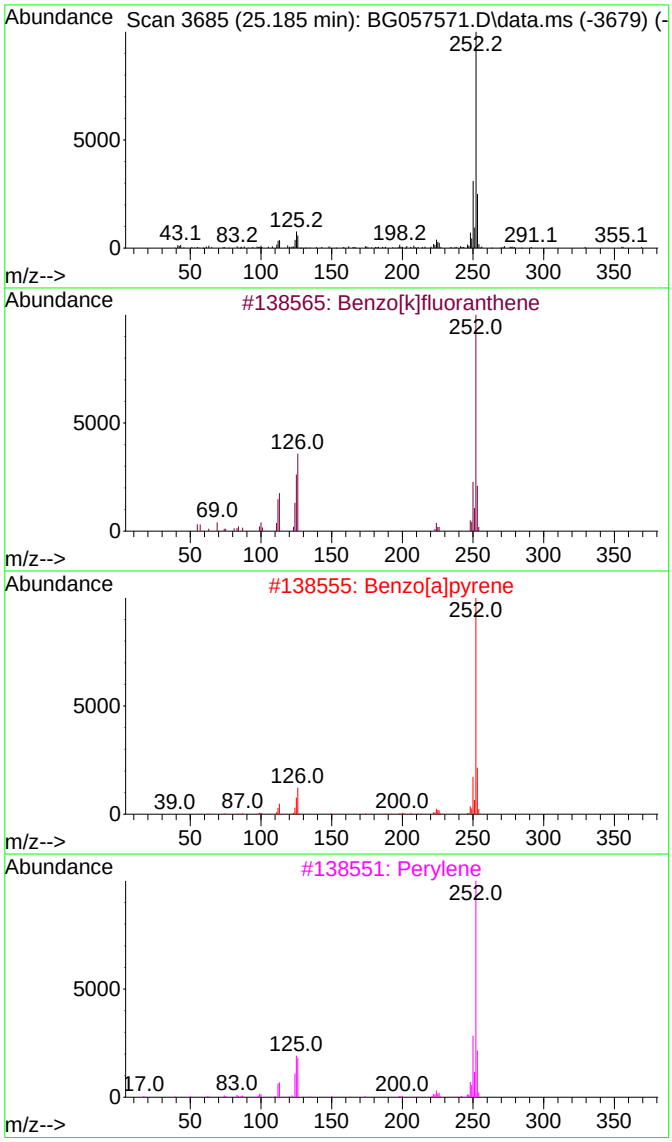
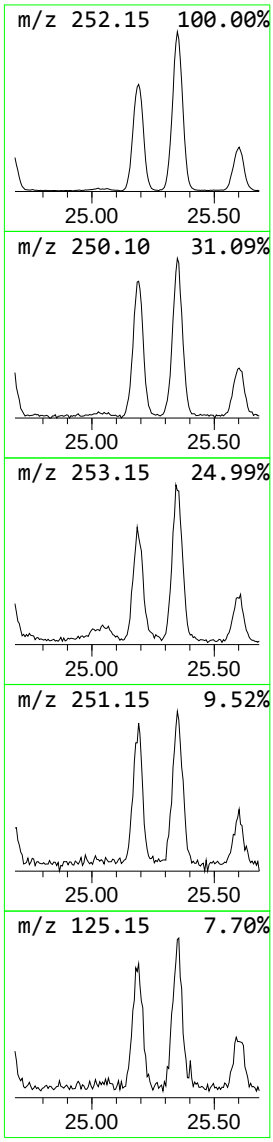
Peak Number 16 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.185	19.64 ng	295955	Perylene-d12	25.520

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
2	Benzo[a]pyrene	252	C20H12	000050-32-8	90
3	Perylene	252	C20H12	000198-55-0	90
4	Benzo[e]pyrene	252	C20H12	000192-97-2	87
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG052523\
Data File : BG057571.D
Acq On : 26 May 2023 00:01
Operator : CG/JU
Sample : 02940-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RBR-251671

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042723.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-...	5.382	3.3	ng	26434	1	8.349	161948	20.0
Benzophenone	16.303	7.1	ng	114543	3	14.969	320882	20.0
Phenanthrene, 1...	18.576	2.9	ng	59437	4	17.707	403846	20.0
Anthracene, 9-m...	18.623	4.9	ng	99397	4	17.707	403846	20.0
4H-Cyclopenta[d...	18.776	7.0	ng	141362	4	17.707	403846	20.0
Naphthalene, 2-...	19.058	2.9	ng	58707	4	17.707	403846	20.0
9,10-Anthracene...	19.111	2.6	ng	52398	4	17.707	403846	20.0
di-p-Tolylacety...	19.469	3.1	ng	62082	4	17.707	403846	20.0
Cyclopenta(def)...	19.628	3.1	ng	62285	4	17.707	403846	20.0
11H-Benzo[b]flu...	20.579	3.2	ng	152340	5	22.013	963426	20.0
Fluoranthene, 2...	20.679	2.2	ng	105578	5	22.013	963426	20.0
Pyrene, 1-methyl-	20.744	2.1	ng	99343	5	22.013	963426	20.0
Benzo[b]naphtho...	21.566	3.2	ng	155556	5	22.013	963426	20.0
Benzene, [4-(3-...	21.666	2.0	ng	98816	5	22.013	963426	20.0
Benz[a]anthrace...	22.788	2.0	ng	96981	5	22.013	963426	20.0
Perylene	25.185	19.6	ng	295955	6	25.520	301350	20.0