LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053023\
Data File : BG057610.D
Acq On : 30 May 2023 17:29
Operator : CG/JU
Sample : 02955-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DUP02

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-BG052723.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG057610.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.366	305	311	320	rBV	24842	39158	2.49%	0.187%
2	5.859	388	395	408	rBV	268985	443162	28.16%	2.112%
3	7.486	665	672	693	rVB	300333	528776	33.60%	2.520%
4	8.338	809	817	824	rVB	66532	109341	6.95%	0.521%
5	9.519	1011	1018	1026	rBV	173992	312510	19.85%	1.489%
6	11.175	1292	1300	1306	rBV	95589	174334	11.08%	0.831%
7	13.578	1703	1709	1718	rBV	534825	825449	52.44%	3.934%
8	14.688	1890	1898	1914	rBV2	25689	69307	4.40%	0.330%
9	14.958	1938	1944	1950	rVV	199704	300050	19.06%	1.430%
10	15.023	1950	1955	1961	rVB	30275	47738	3.03%	0.227%
11	15.352	2004	2011	2017	rBV	26939	43168	2.74%	0.206%
12	15.998	2115	2121	2127	rBV	51815	77529	4.93%	0.369%
13	16.292	2165	2171	2180	rVB2	48149	73942	4.70%	0.352%
14	16.439	2190	2196	2206	rBV	516217	810131	51.47%	3.861%
15	16.991	2283	2290	2295	rVB3	14844	27470	1.75%	0.131%
16	17.514	2375	2379	2383	rVB	12608	17197	1.09%	0.082%
17	17.696	2404	2410	2414	rBV	274564	419993	26.68%	2.001%
18	17.737	2414	2417	2423	rVB	131085	194006	12.33%	0.925%
19	17.831	2427	2433	2437	rBV	63108	98695	6.27%	0.470%
20	18.107	2474	2480	2481	rBV2	14136	23944	1.52%	0.114%
21	18.536	2548	2553	2555	rBV3	40892	62416	3.97%	0.297%
22	18.559	2555	2557	2561	rVV	38263	55269	3.51%	0.263%
23	18.612	2561	2566	2571	rVB	51826	77671	4.93%	0.370%
24	18.695	2576	2580	2585	rVB	22979	35125	2.23%	0.167%
25	18.765	2585	2592	2595	rBV4	100783	181391	11.52%	0.864%
26	19.047	2636	2640	2645	rBV	34819	49734	3.16%	0.237%
27	19.106	2646	2650	2656	rVB4	19902	31129	1.98%	0.148%
28	19.347	2687	2691	2694	rVB	17643	22853	1.45%	0.109%
29	19.382	2694	2697	2703	rVB	19882	26628	1.69%	0.127%
30	19.464	2706	2711	2715	rBV	48296	71996	4.57%	0.343%
31	19.617	2730	2737	2745	rBV4	51234	107331	6.82%	0.511%
32	19.734	2749	2757	2767	rBV	871161	1337881	85.00%	6.376%
33	19.881	2777	2782	2788	rBV	49838	89229	5.67%	0.425%
34	19.975	2791	2798	2806	rVB4	52731	112397	7.14%	0.536%
35	20.052	2806	2811	2813	rBV	111864	158725	10.08%	0.756%
36	20.093	2813	2818	2824	rVV	884939	1253037	79.61%	5.971%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053023\
Data File : BG057610.D
Acq On : 30 May 2023 17:29
Operator : CG/JU
Sample : 02955-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DUP02

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-BG052723.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	20.151	2824	2828	2834	rVB	52129	73622	4.68%	0.351%
38	20.263	2842	2847	2852	rBV	1102168	1447565	91.97%	6.898%
39	20.404	2866	2871	2878	rVB3	97706	209064	13.28%	0.996%
40	20.469	2879	2882	2886	rBV4	15305	24225	1.54%	0.115%
41	20.574	2896	2900	2905	rVB	213075	317814	20.19%	1.515%
42	20.668	2911	2916	2920	rBV	159042	238258	15.14%	1.135%
43	20.733	2920	2927	2931	rVB2	114154	195549	12.42%	0.932%
44	20.798	2936	2938	2944	rVB4	21371	30302	1.93%	0.144%
45	20.874	2946	2951	2955	rBV	88484	134103	8.52%	0.639%
46	20.921	2956	2959	2968	rVB	66072	100762	6.40%	0.480%
47	21.003	2970	2973	2982	rVV7	24608	64589	4.10%	0.308%
48	21.309	3020	3025	3029	rBV3	40728	78791	5.01%	0.375%
49	21.362	3030	3034	3041	rVB	84288	146806	9.33%	0.700%
50	21.555	3062	3067	3071	rBV	114318	201801	12.82%	0.962%
51	21.597	3071	3074	3079	rVB	86509	129506	8.23%	0.617%
52	21.655	3079	3084	3089	rBV2	95137	168291	10.69%	0.802%
53	21.984	3133	3140	3148	rBV2	549878	1544325	98.12%	7.360%
54	22.055	3148	3152	3158	rVB	407511	694931	44.15%	3.312%
55	22.213	3175	3179	3186	rBV2	49767	87765	5.58%	0.418%
56	22.290	3187	3192	3198	rBV	84271	165680	10.53%	0.790%
57	22.437	3212	3217	3224	rVB2	59382	117862	7.49%	0.562%
58	22.507	3225	3229	3232	rBV5	22570	37393	2.38%	0.178%
59	22.695	3256	3261	3265	rBV3	30102	62893	4.00%	0.300%
60	22.777	3267	3275	3281	rVV	118081	285872	18.16%	1.362%
61	22.854	3284	3288	3297	rVB	58031	120810	7.68%	0.576%
62	22.948	3300	3304	3309	rBV3	27048	44828	2.85%	0.214%
63	23.018	3312	3316	3321	rVB3	34147	58641	3.73%	0.279%
64	23.077	3322	3326	3331	rBV2	44767	83676	5.32%	0.399%
65	24.387	3538	3549	3556	rBV2	448434	1573962	100.00%	7.501%
66	24.657	3588	3595	3604	rVB	111061	276281	17.55%	1.317%
67	24.869	3626	3631	3637	rBV4	28461	79148	5.03%	0.377%
68	25.168	3674	3682	3694	rVB	256864	761907	48.41%	3.631%
69	25.338	3701	3711	3720	rVB	351945	1006213	63.93%	4.795%
70	25.497	3729	3738	3745	rBV	131711	396595	25.20%	1.890%
71	25.579	3746	3752	3767	rVB3	109320	376556	23.92%	1.794%
72	29.539	4413	4426	4448	rVB4	163048	861609	54.74%	4.106%
73	30.808	4629	4642	4658	rVB3	98910	477324	30.33%	2.275%

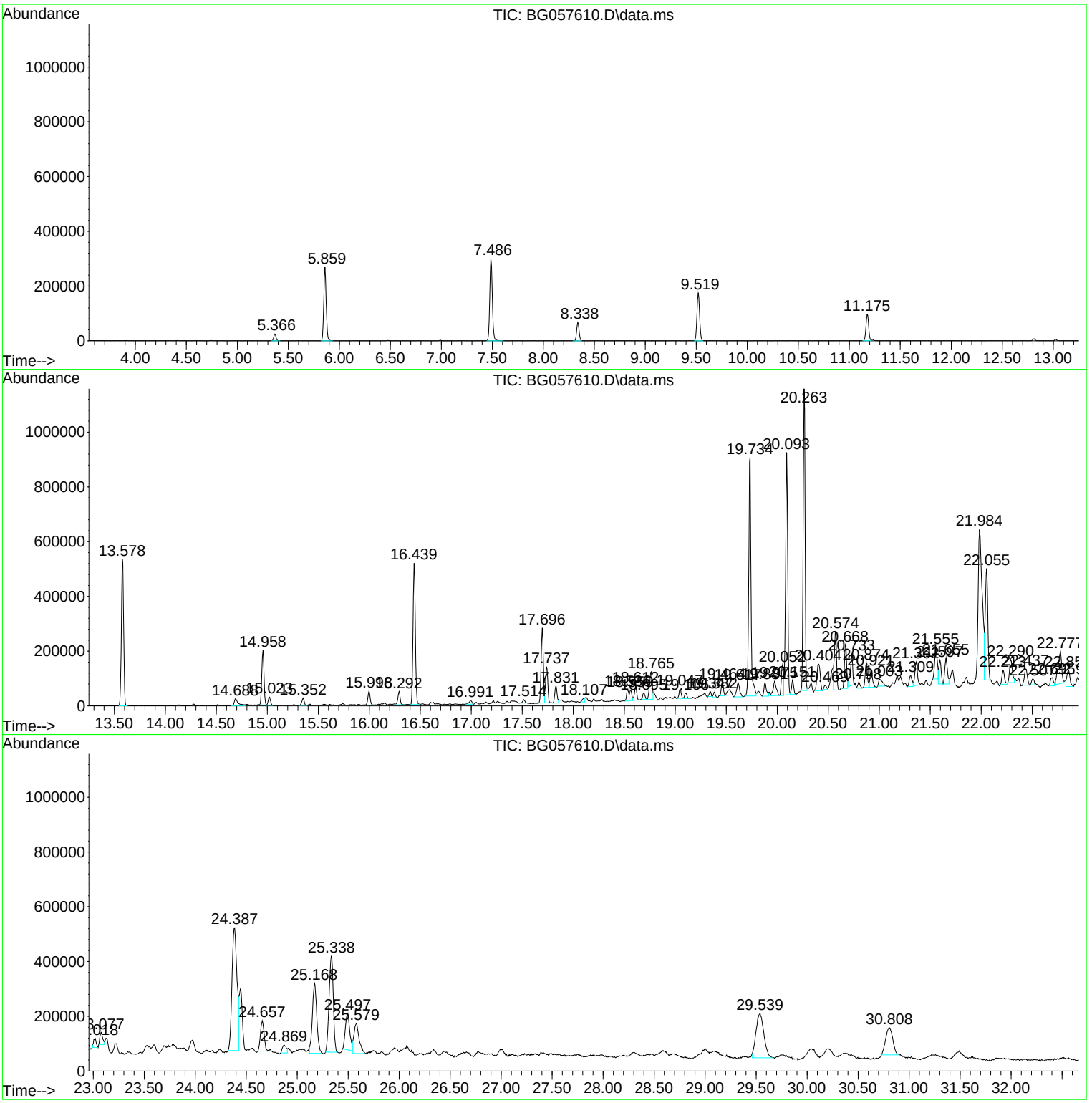
Sum of corrected areas: 20984031

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053023\
Data File : BG057610.D
Acq On : 30 May 2023 17:29
Operator : CG/JU
Sample : 02955-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DUP02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG052723.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\BG053023\
Data File : BG057610.D
Acq On : 30 May 2023 17:29
Operator : CG/JU
Sample : 02955-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DUP02

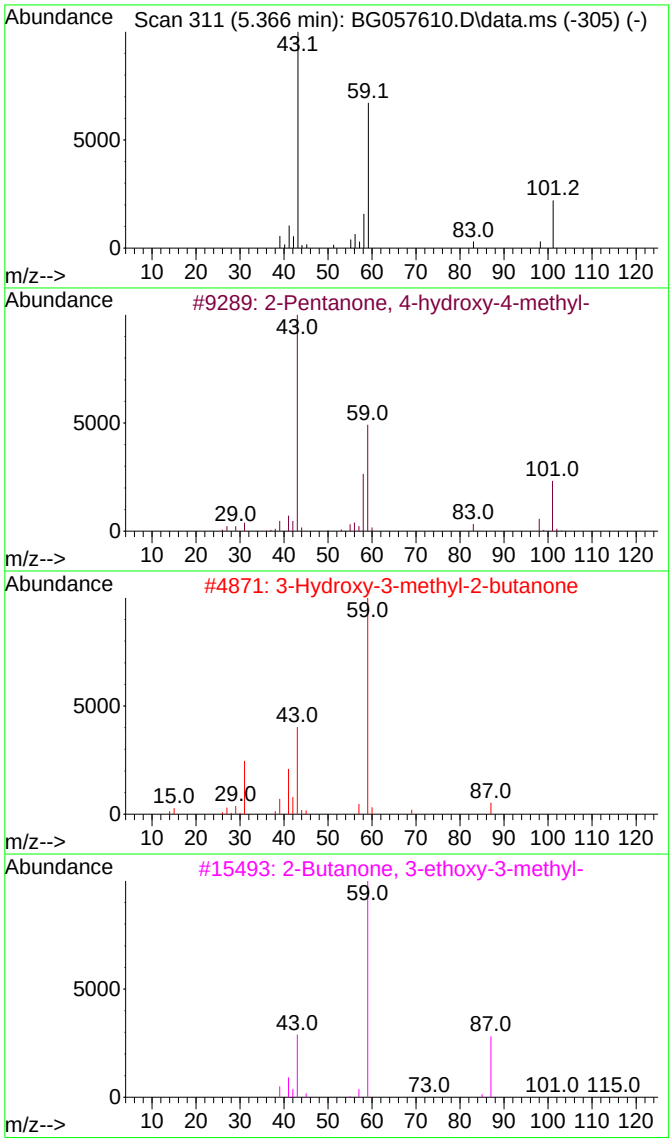
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG052723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

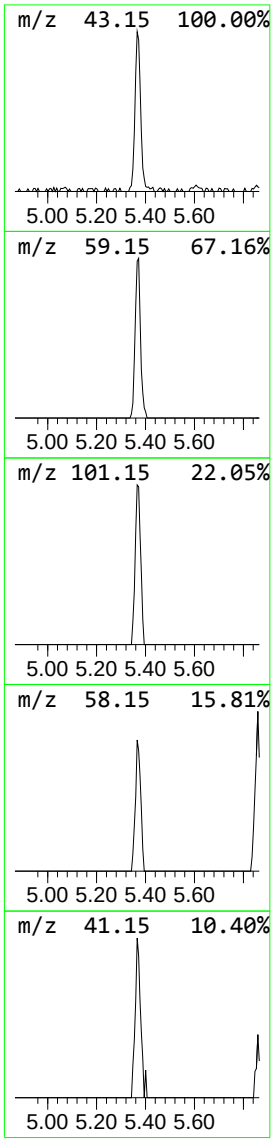
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.366	7.16 ng	39158	1,4-Dichlorobenzene-d4	8.338

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	9
3	2-Butanone, 3-ethoxy-3-methyl-	130	C7H14O2	036687-99-7	9
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	9
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053023\
Data File : BG057610.D
Acq On : 30 May 2023 17:29
Operator : CG/JU
Sample : 02955-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DUP02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG052723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

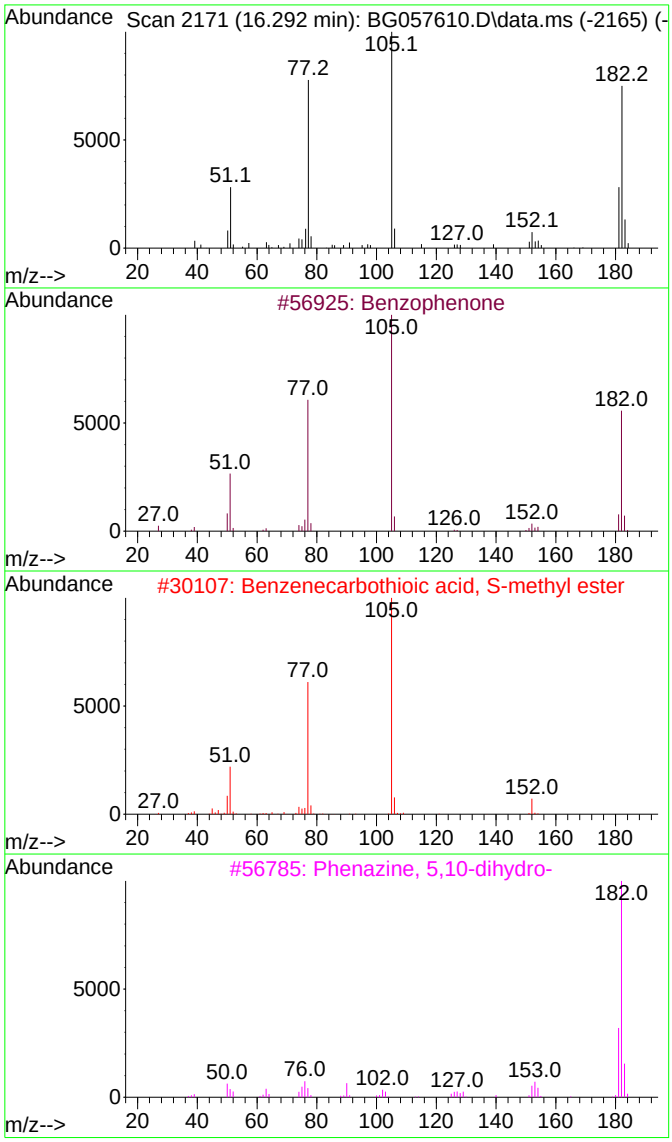
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

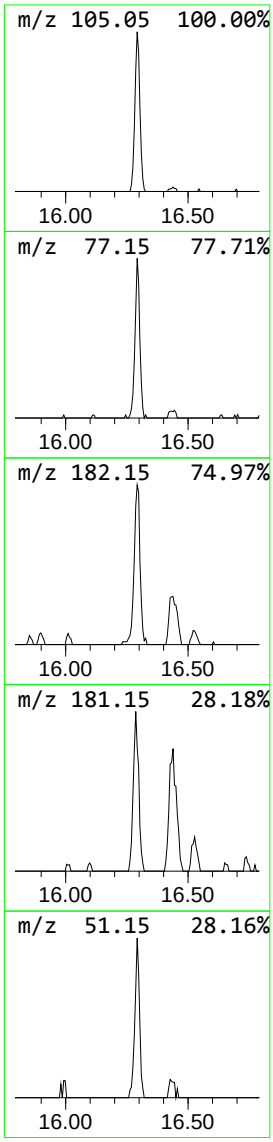
****

Peak Number 2 Benzophenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.292	4.93 ng	73942	Acenaphthene-d10	14.958

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	95
2	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	43
3	Phenazine, 5,10-dihydro-	182	C12H10N2	000613-32-1	43
4	Benzoyl bromide	184	C7H5BrO	000618-32-6	38
5	Benzenecarbothioic acid	138	C7H6OS	000098-91-9	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053023\
Data File : BG057610.D
Acq On : 30 May 2023 17:29
Operator : CG/JU
Sample : 02955-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DUP02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG052723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

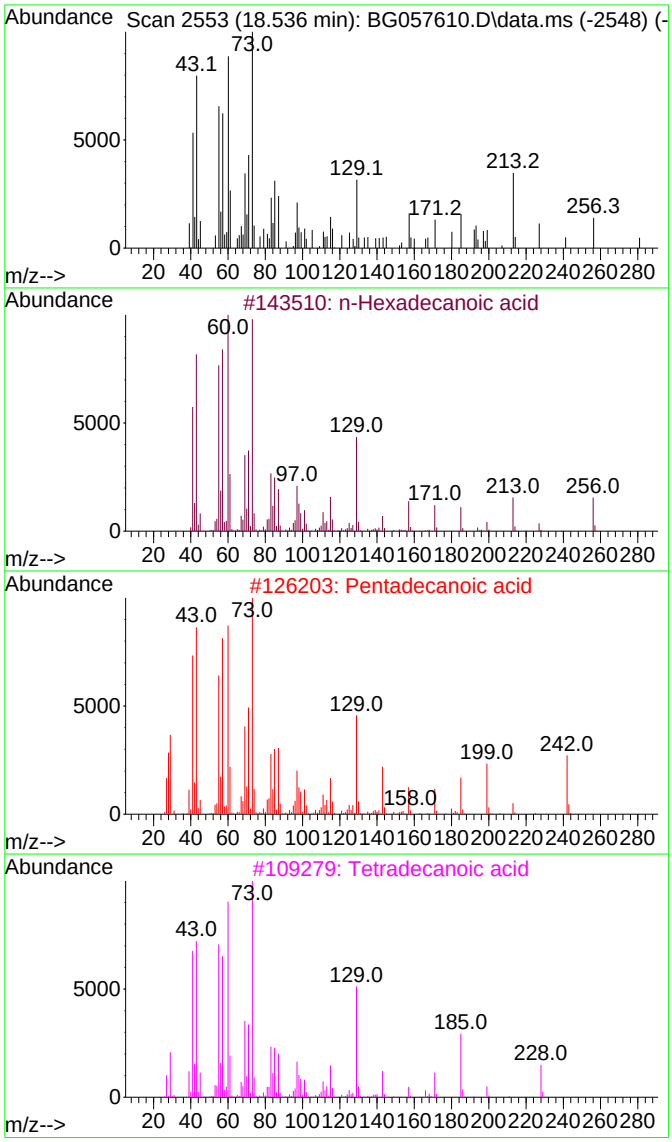
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

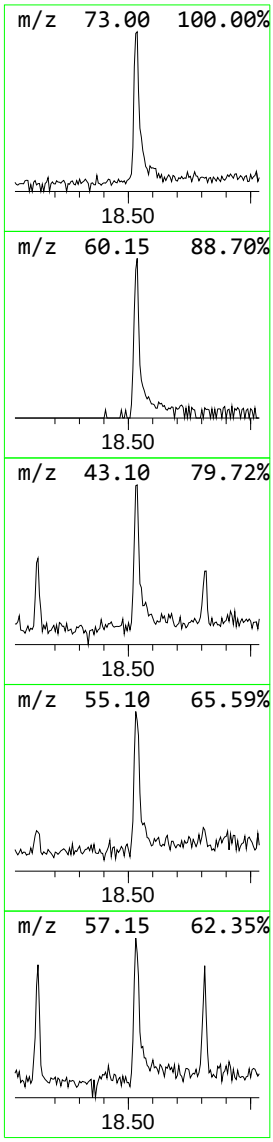
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.536	2.97 ng	62416	Phenanthrene-d10	17.696

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	81
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	74
4	Tridecanoic acid	214	C13H26O2	000638-53-9	70
5	1-Dodecanol, 2-hexyl-	270	C18H38O	110225-00-8	35





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053023\
Data File : BG057610.D
Acq On : 30 May 2023 17:29
Operator : CG/JU
Sample : 02955-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DUP02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG052723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

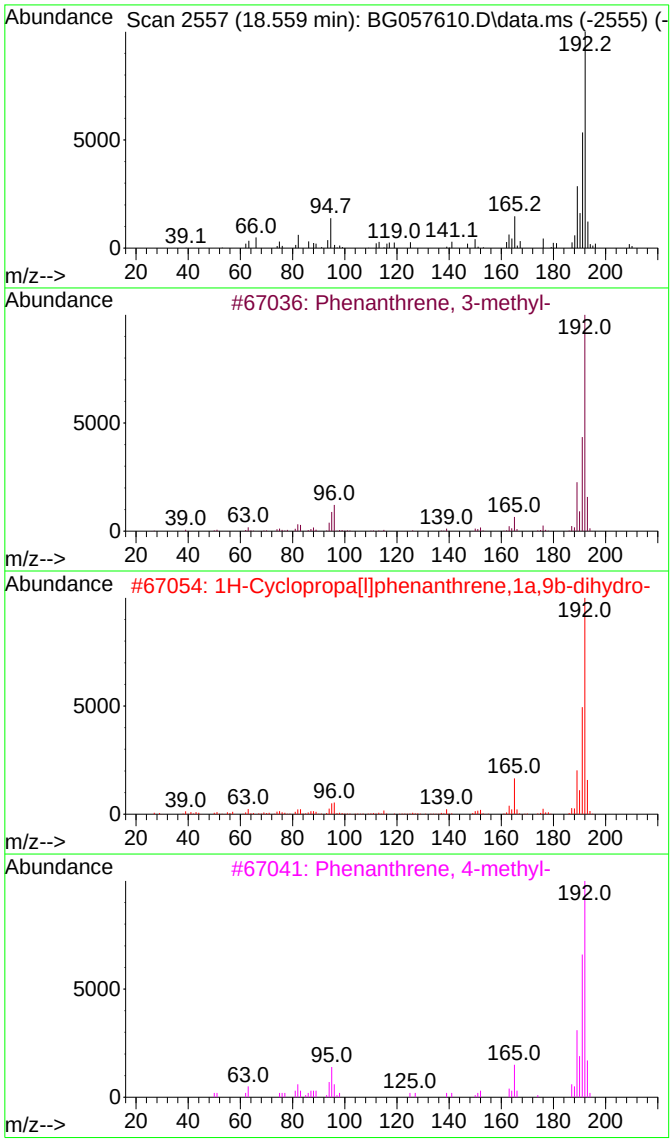
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

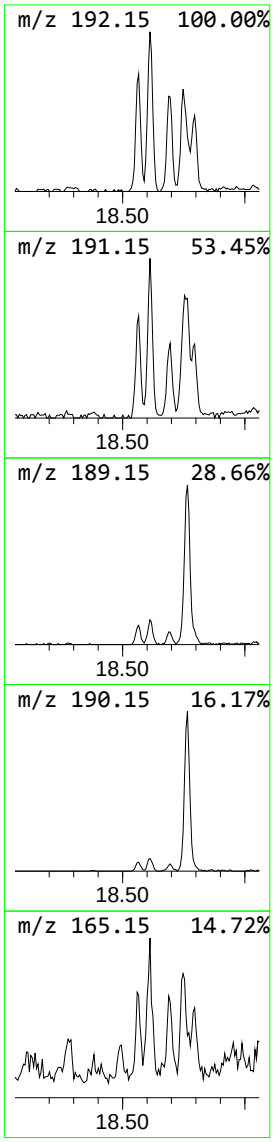
****

Peak Number 4 Phenanthrene, 3-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.559	2.63 ng	55269	Phenanthrene-d10	17.696

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	87
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	83
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	81
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	81
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053023\
Data File : BG057610.D
Acq On : 30 May 2023 17:29
Operator : CG/JU
Sample : 02955-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DUP02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG052723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

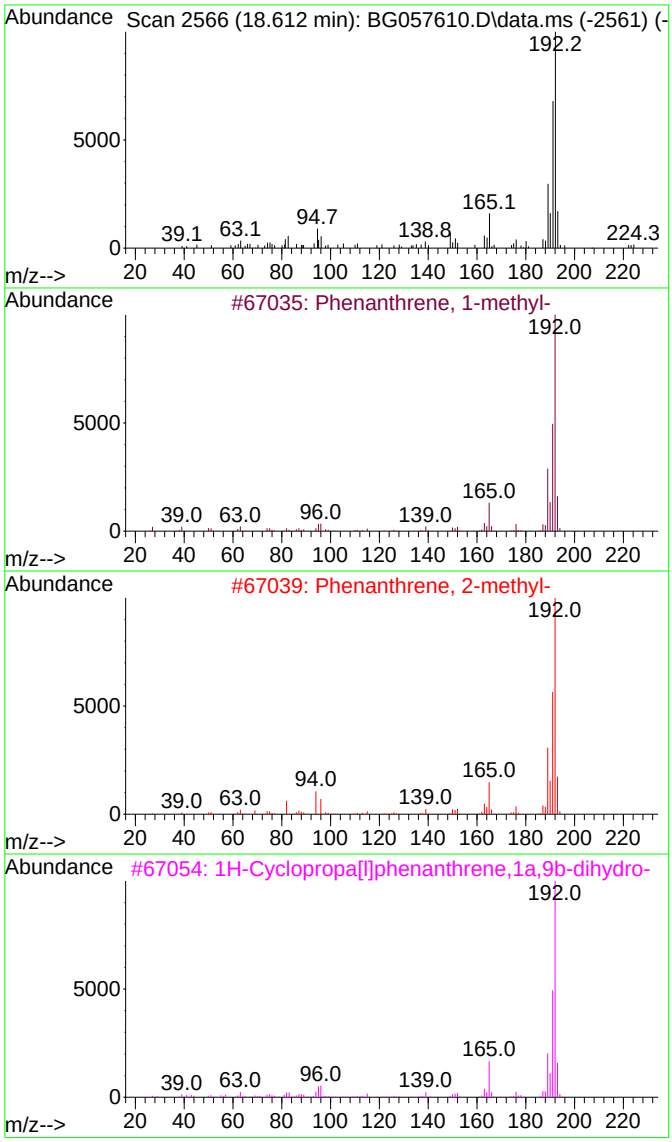
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

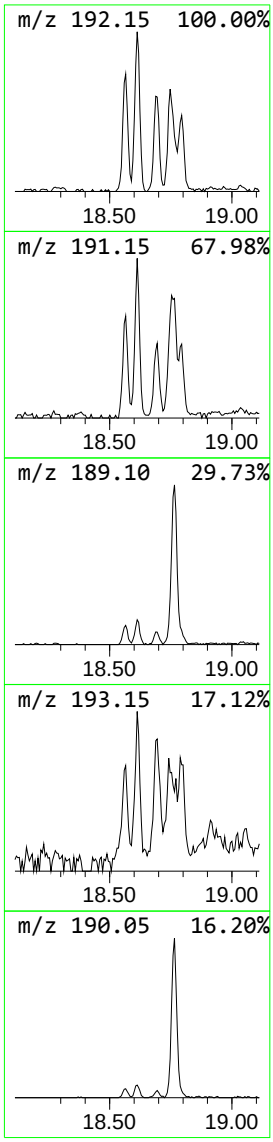
****

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.612	3.70 ng	77671	Phenanthrene-d10	17.696

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	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053023\
Data File : BG057610.D
Acq On : 30 May 2023 17:29
Operator : CG/JU
Sample : 02955-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DUP02

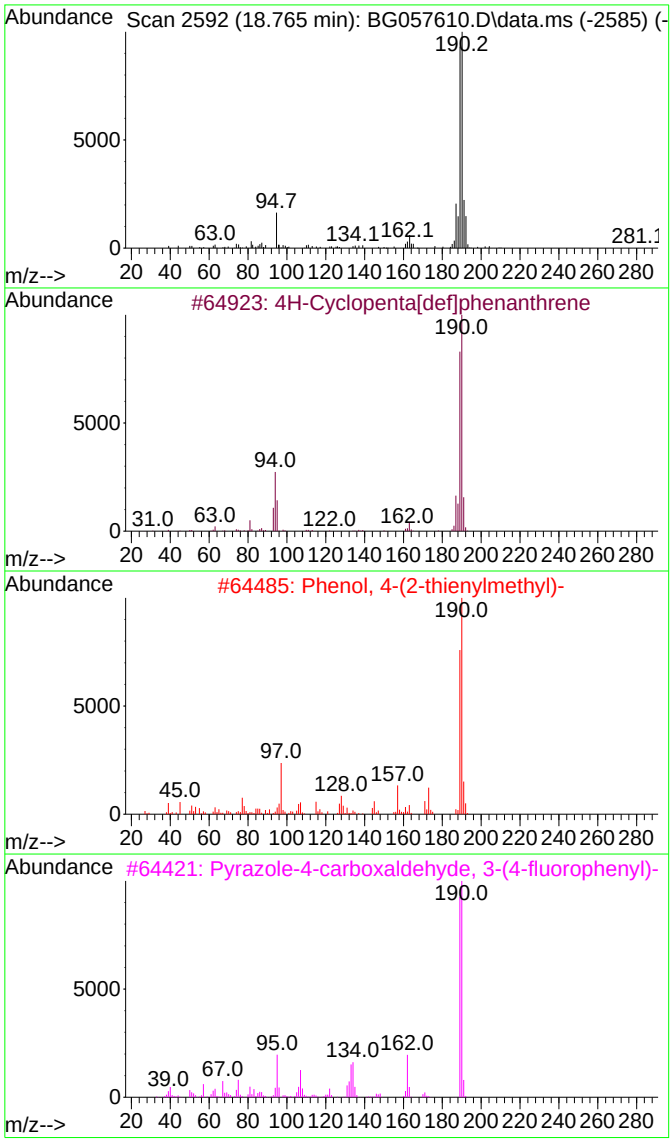
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG052723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

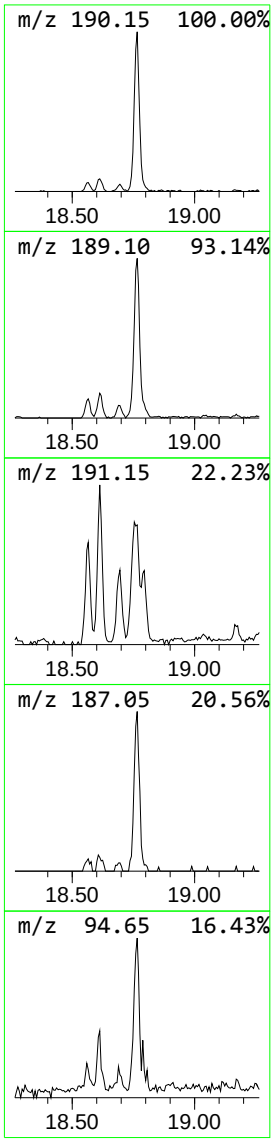
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.765	8.64 ng	181391	Phenanthrene-d10	17.696

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	Phenol, 4-(2-thienylmethyl)-	190	C11H10OS	091680-55-6	64
3	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	59
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	53
5	Pyrimidine, 6-oxo-4-(3-fluorophe...	190	C10H7FN2O	085979-55-1	37





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053023\
Data File : BG057610.D
Acq On : 30 May 2023 17:29
Operator : CG/JU
Sample : 02955-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DUP02

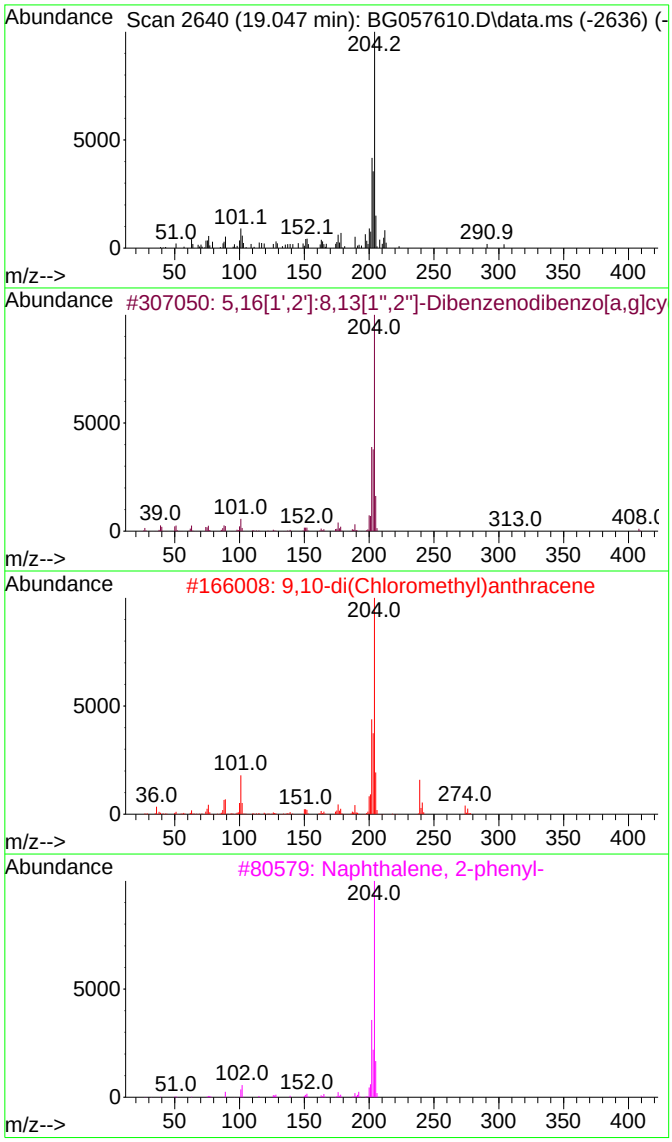
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG052723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

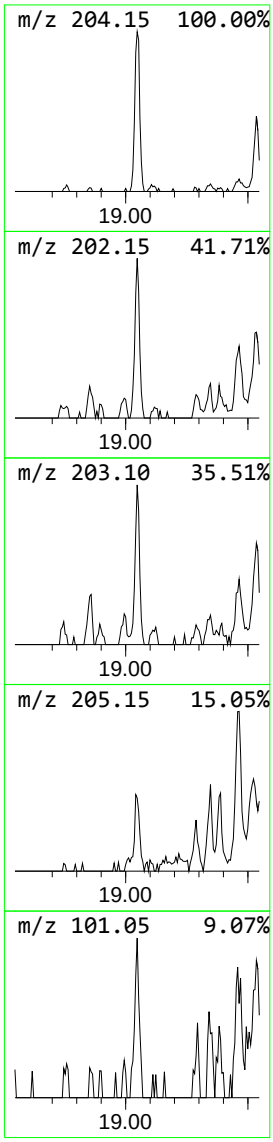
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.047	2.37 ng	49734	Phenanthrene-d10	17.696

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
2	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	72
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	62
4	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	49
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	46





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Acq On : 30 May 2023 17:29
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Sample : 02955-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
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ClientSampleId :
DUP02

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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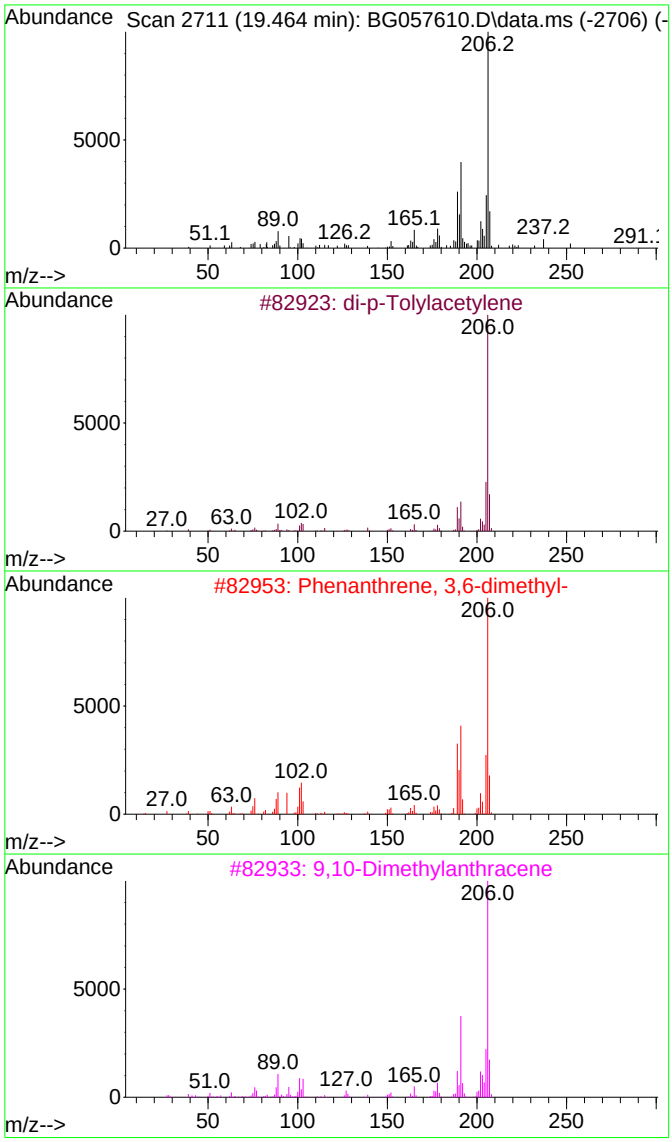
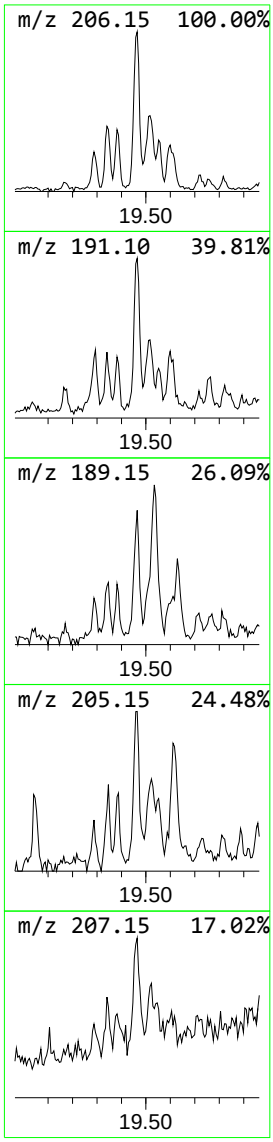
Peak Number 8 di-p-Tolylacetylene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.464	3.43 ng	71996	Phenanthrene-d10	17.696

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	95
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90
5	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	90





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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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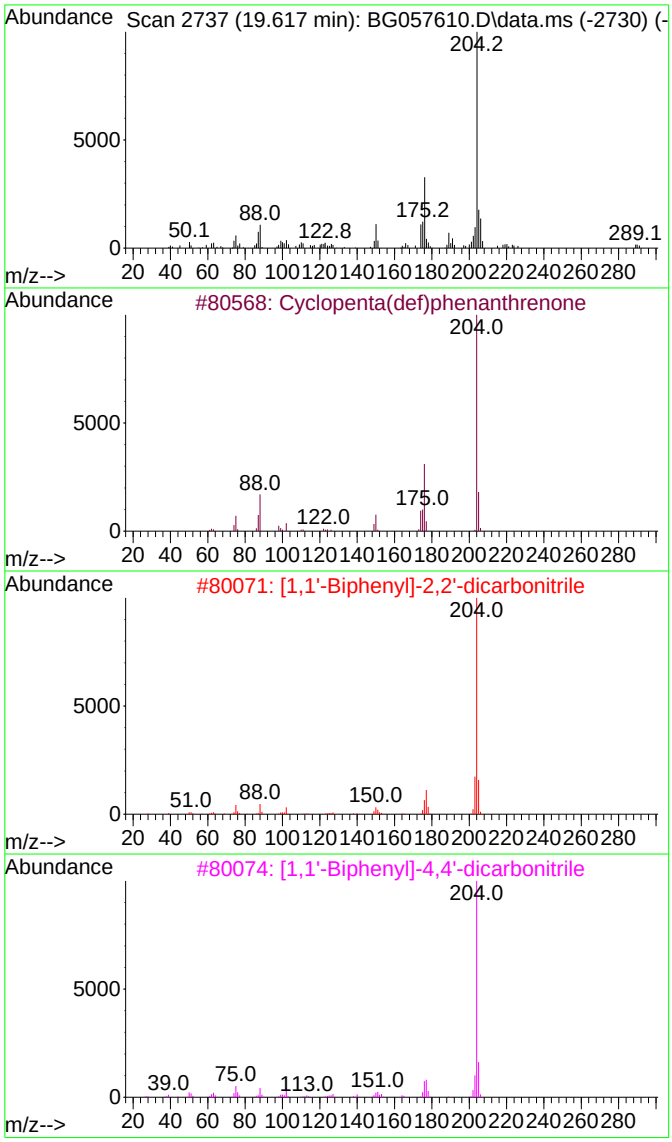
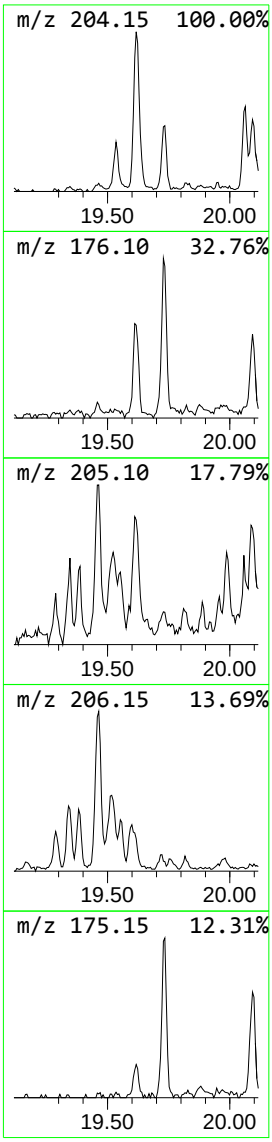
Peak Number 9 Cyclopenta(def)phenanthrenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.617	5.11 ng	107331	Phenanthrene-d10	17.696

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	90
2	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	53
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	52
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	50
5	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	47





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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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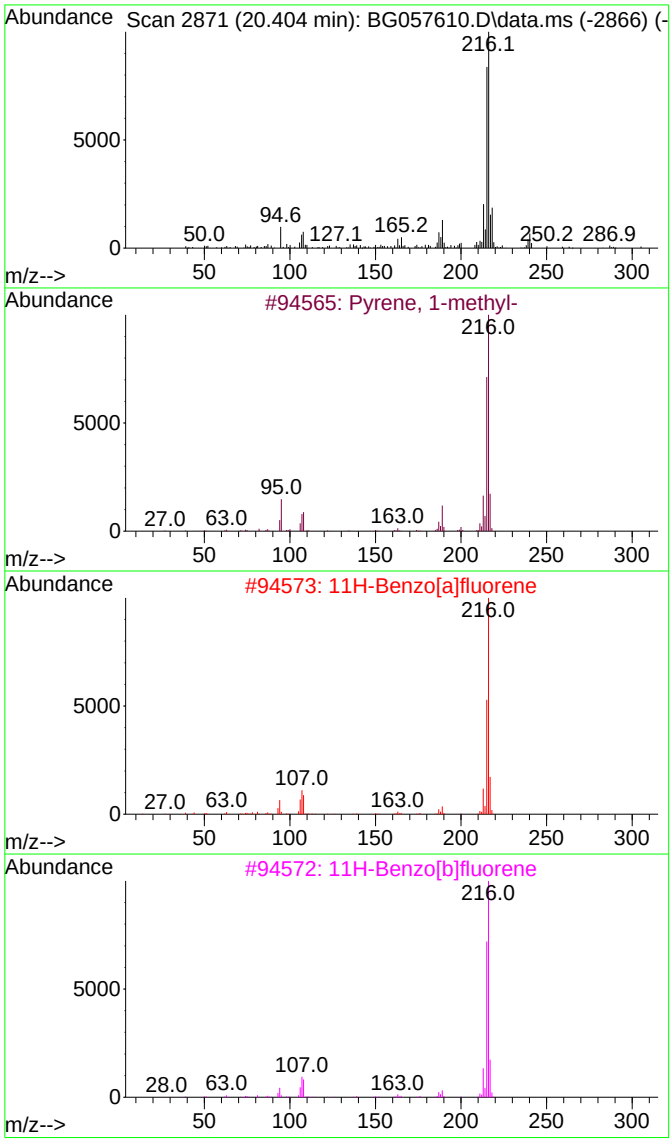
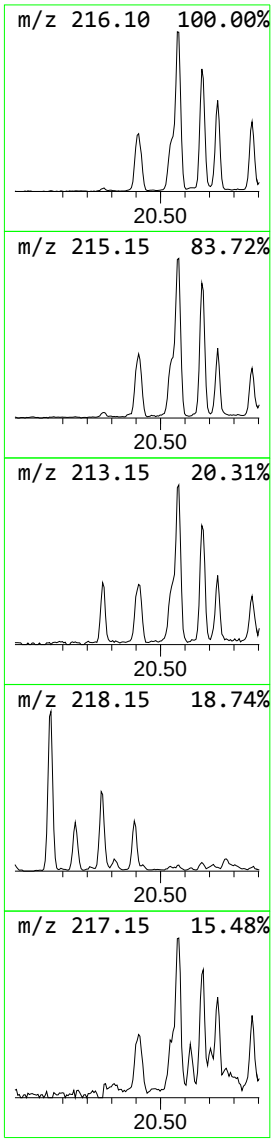
Peak Number 10 Pyrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.404	2.71 ng	209064	Chrysene-d12	22.002

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	62





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Misc :
ALS Vial : 7 Sample Multiplier: 1

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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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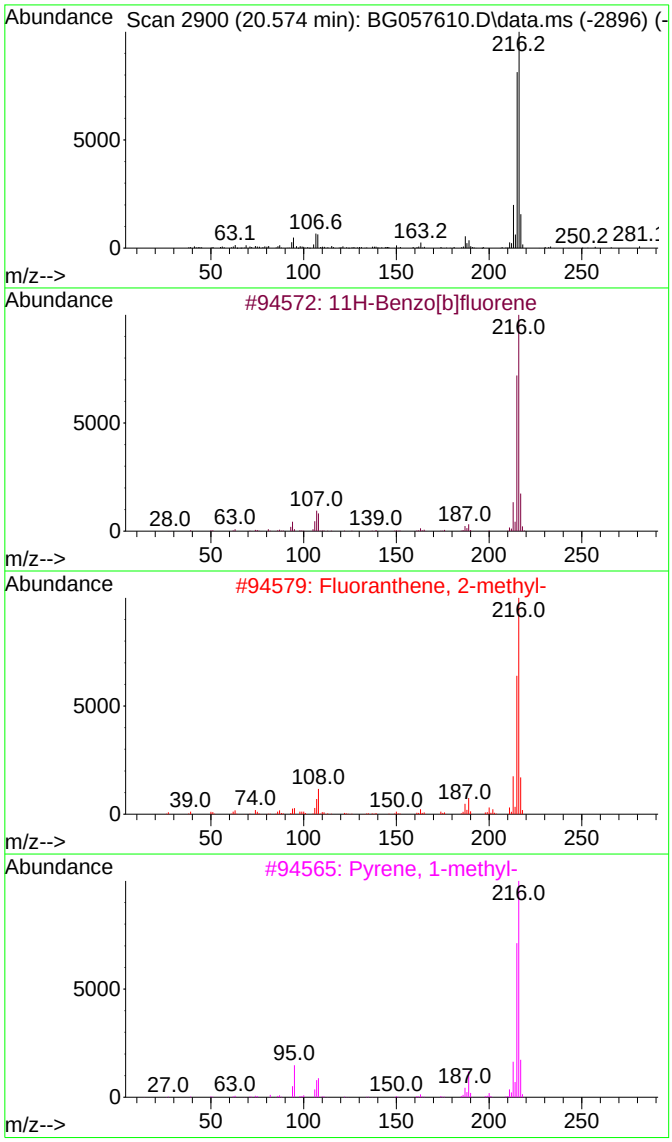
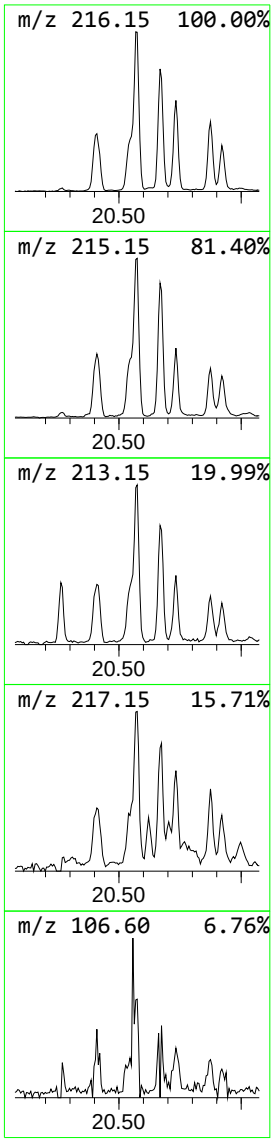
Peak Number 11 11H-Benzo[b]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.574	4.12 ng	317814	Chrysene-d12	22.002

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	76
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





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Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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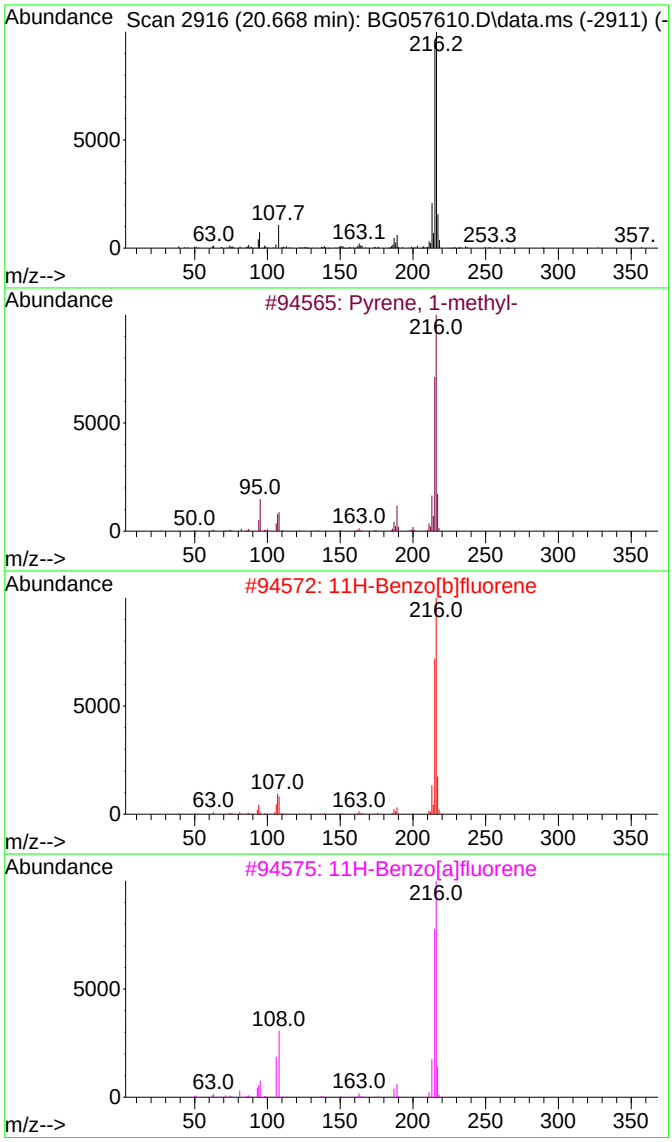
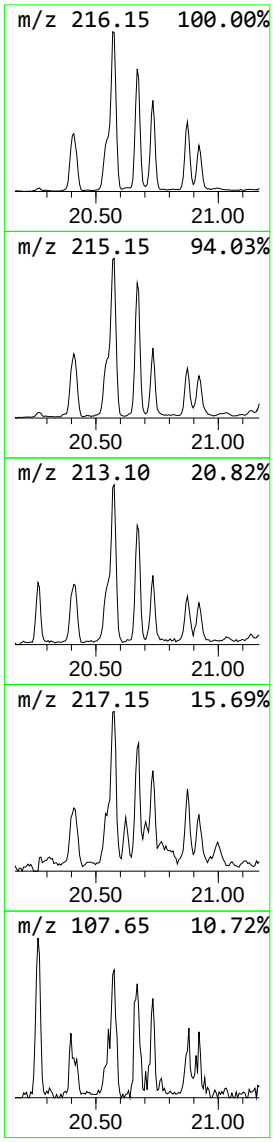
Peak Number 12 11H-Benzo[a]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.668	3.09 ng	238258	Chrysene-d12	22.002

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	Pyridin-3-ol, 2-(4-nitrophenyl)-	216	C11H8N2O3	030820-89-4	64





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Sample : 02955-02
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ALS Vial : 7 Sample Multiplier: 1

Instrument :
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ClientSampleId :
DUP02

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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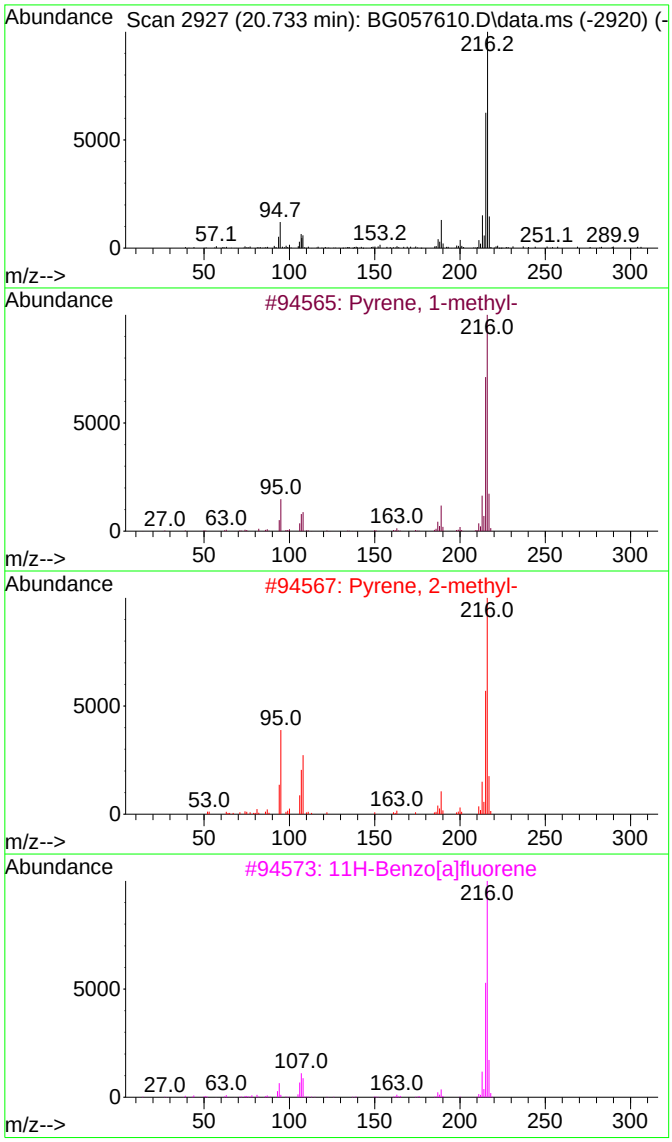
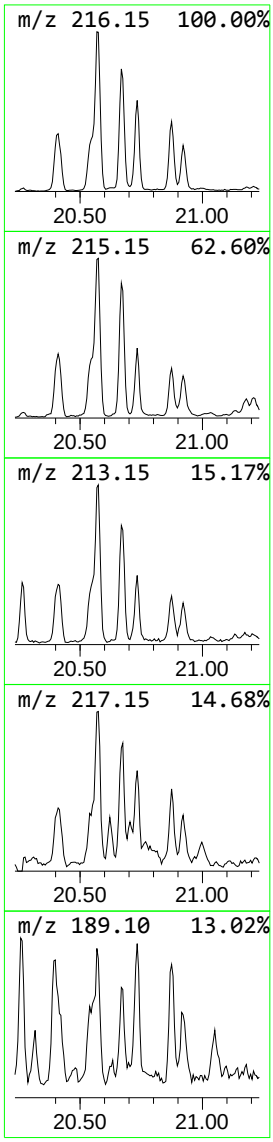
Peak Number 13 Pyrene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.733	2.53 ng	195549	Chrysene-d12	22.002

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	81
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	80





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Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
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ClientSampleId :
DUP02

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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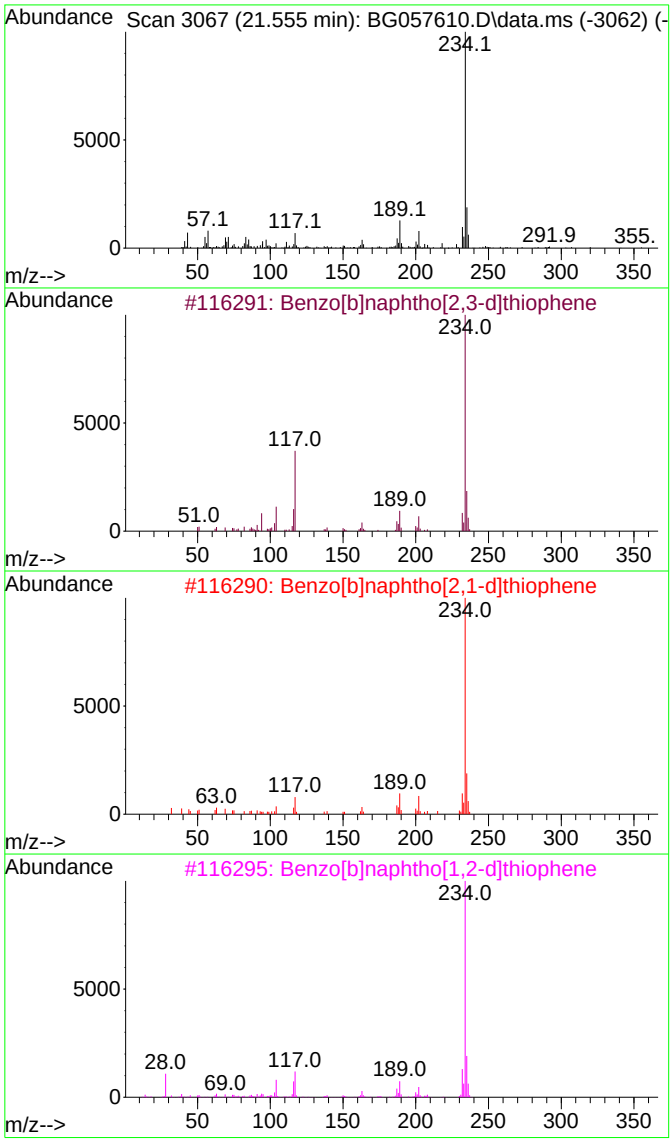
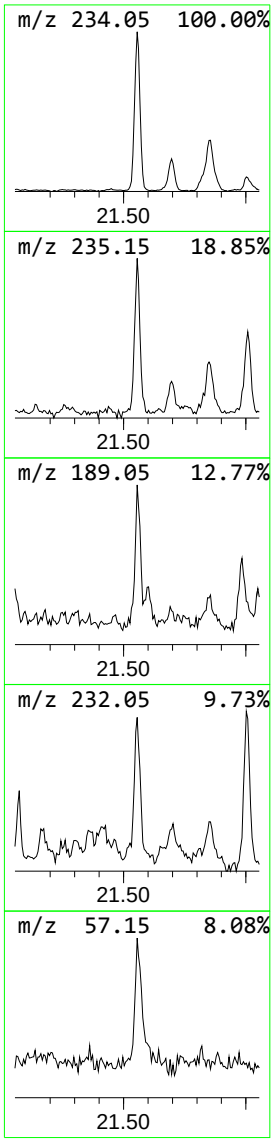
Peak Number 14 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.555	2.61 ng	201801	Chrysene-d12	22.002

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
3	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	93
4	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	86
5	Phenanthro[4,3-b]thiophene	234	C16H10S	000195-68-6	72





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Misc :
ALS Vial : 7 Sample Multiplier: 1

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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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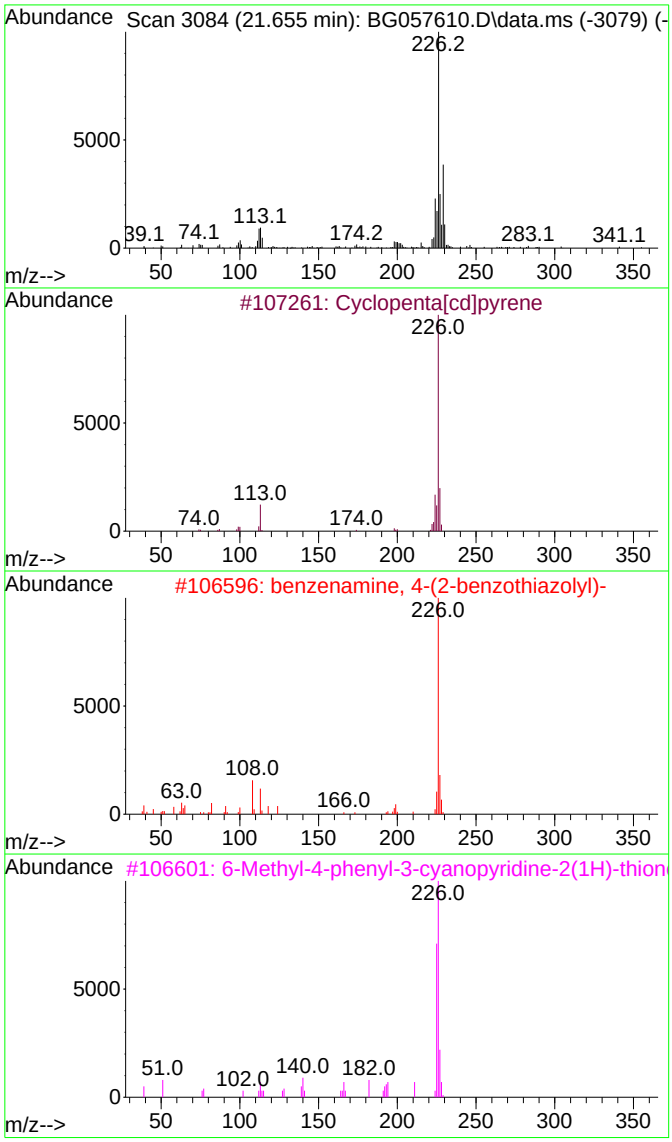
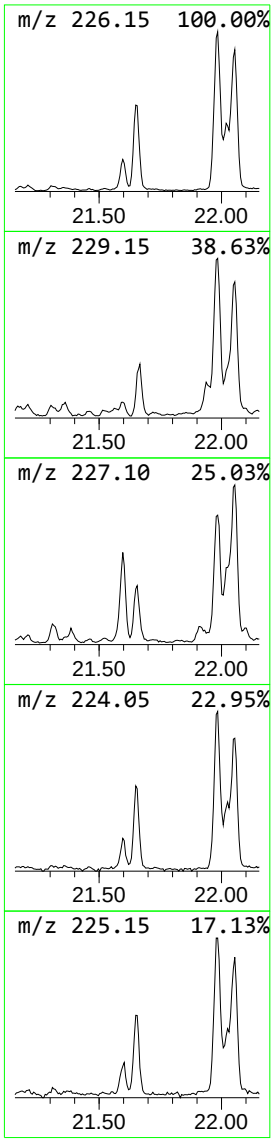
Peak Number 15 unknown21.655 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.655	2.18 ng	168291	Chrysene-d12	22.002

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	49
2	benzenamine, 4-(2-benzothiazolyl)-	226	C13H10N2S	1000400-93-4	47
3	6-Methyl-4-phenyl-3-cyanopyridin...	226	C13H10N2S	078564-23-5	38
4	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	27
5	L-Leucine, N,N-di(3-methylbutyl)...	285	C17H35NO2	1000452-94-0	25





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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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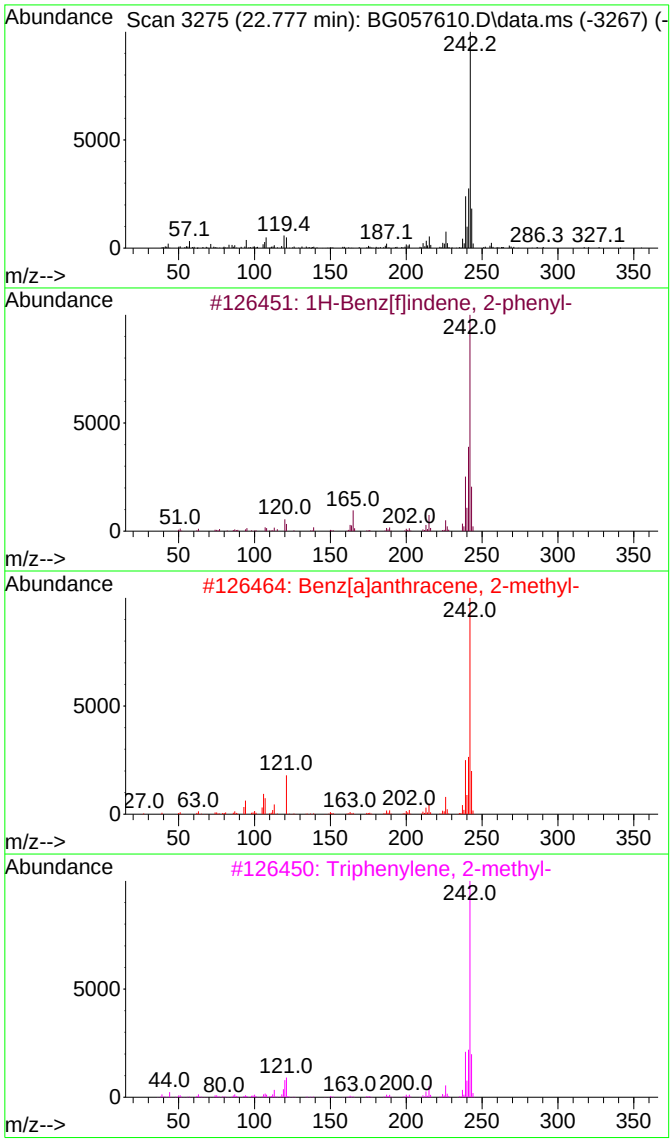
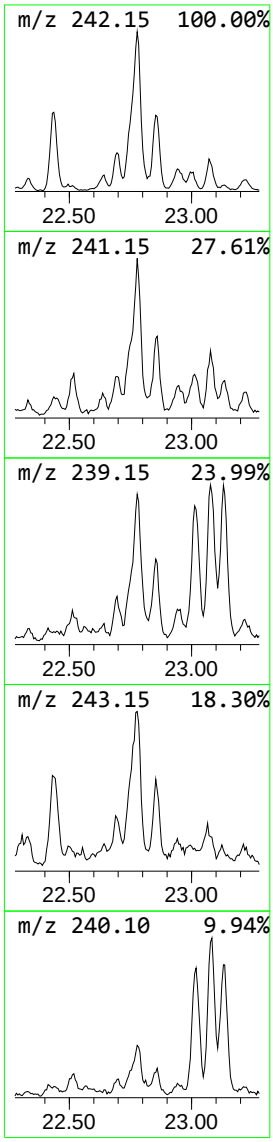
Peak Number 16 1H-Benz[f]indene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.777	3.70 ng	285872	Chrysene-d12	22.002

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Benz[f]indene, 2-phenyl-	242	C19H14	1000305-22-4	95
2	Benz[a]anthracene, 2-methyl-	242	C19H14	002498-76-2	94
3	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93
4	2-Methylchrysene	242	C19H14	003351-32-4	93
5	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93





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

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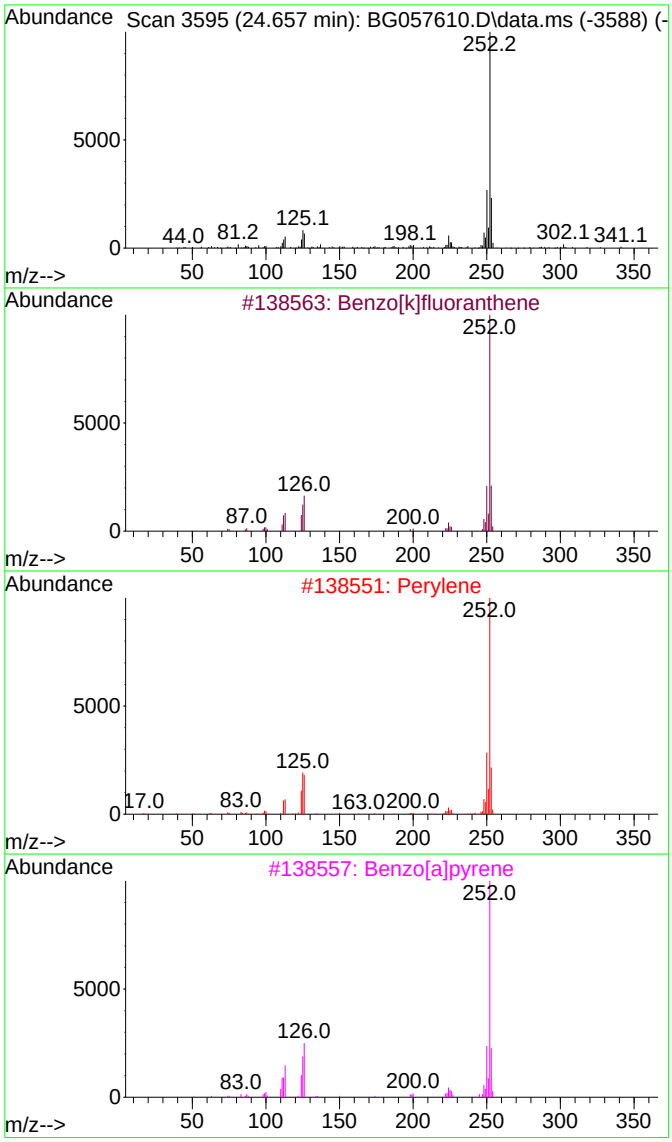
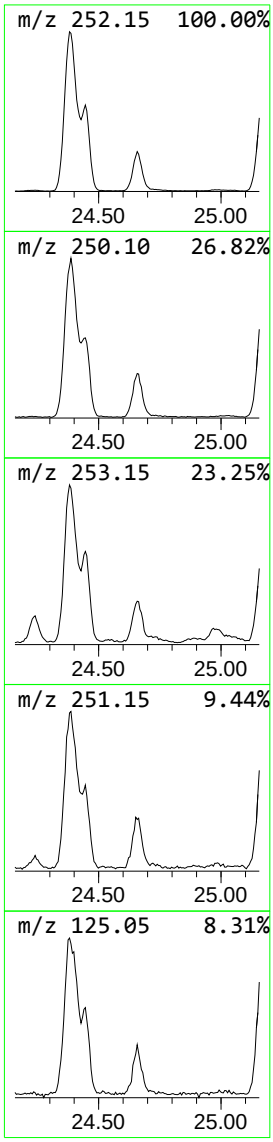
Peak Number 17 Perylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.657	13.93 ng	276281	Perylene-d12	25.497

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
2	Perylene	252	C20H12	000198-55-0	94
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	90
5	Benzo[e]pyrene	252	C20H12	000192-97-2	90





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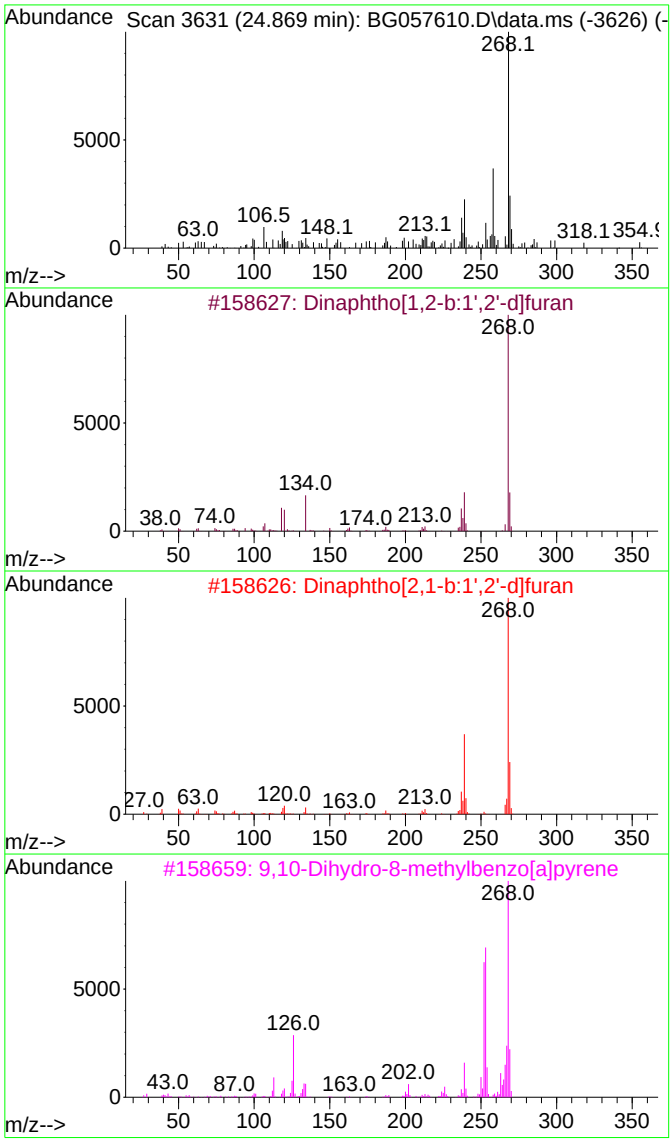
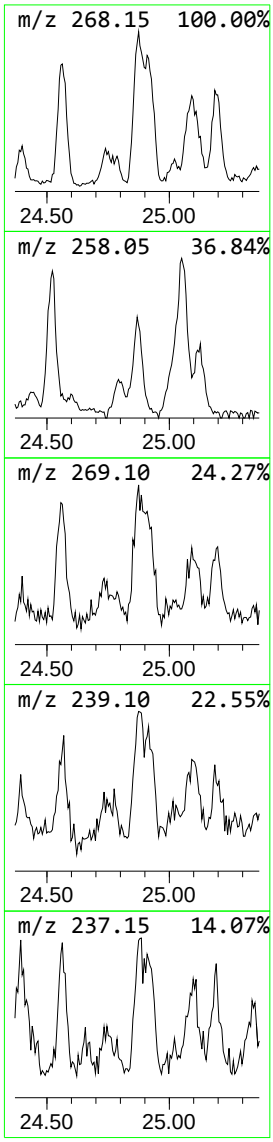
Peak Number 18 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.869	3.99 ng	79148	Perylene-d12	25.497

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	68
2	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	62
3	9,10-Dihydro-8-methylbenzo[a]pyrene	268	C21H16	089524-72-1	52
4	3-Methylcholanthrene	268	C21H16	000056-49-5	52
5	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	52





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Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DUP02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG052723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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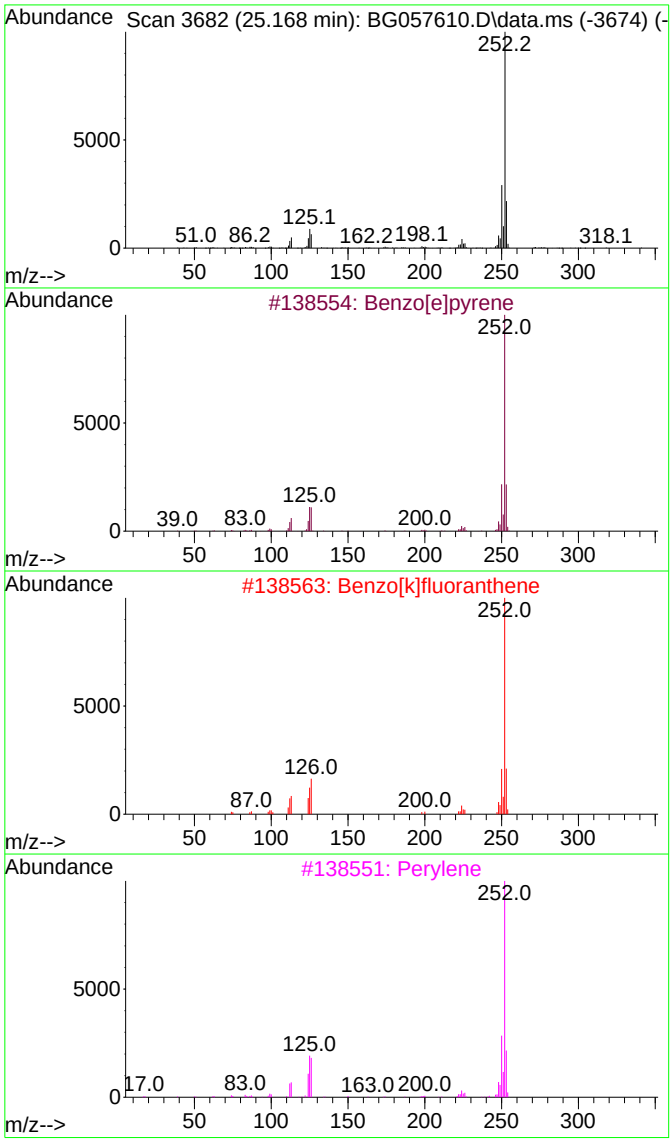
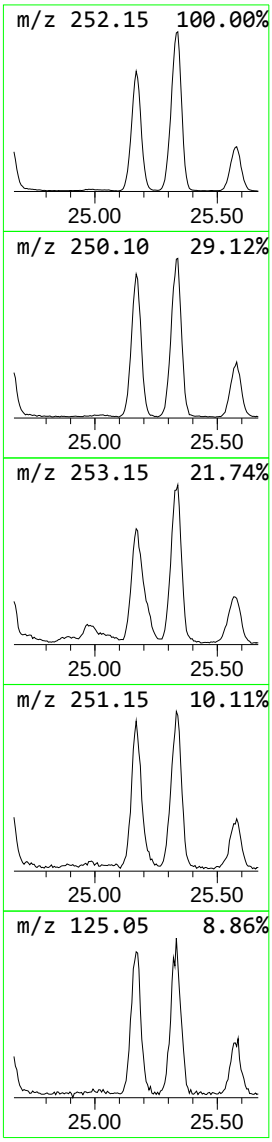
Peak Number 19 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.168	38.42 ng	761907	Perylene-d12	25.497

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	95
3	Perylene	252	C20H12	000198-55-0	95
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053023\
Data File : BG057610.D
Acq On : 30 May 2023 17:29
Operator : CG/JU
Sample : 02955-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DUP02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG052723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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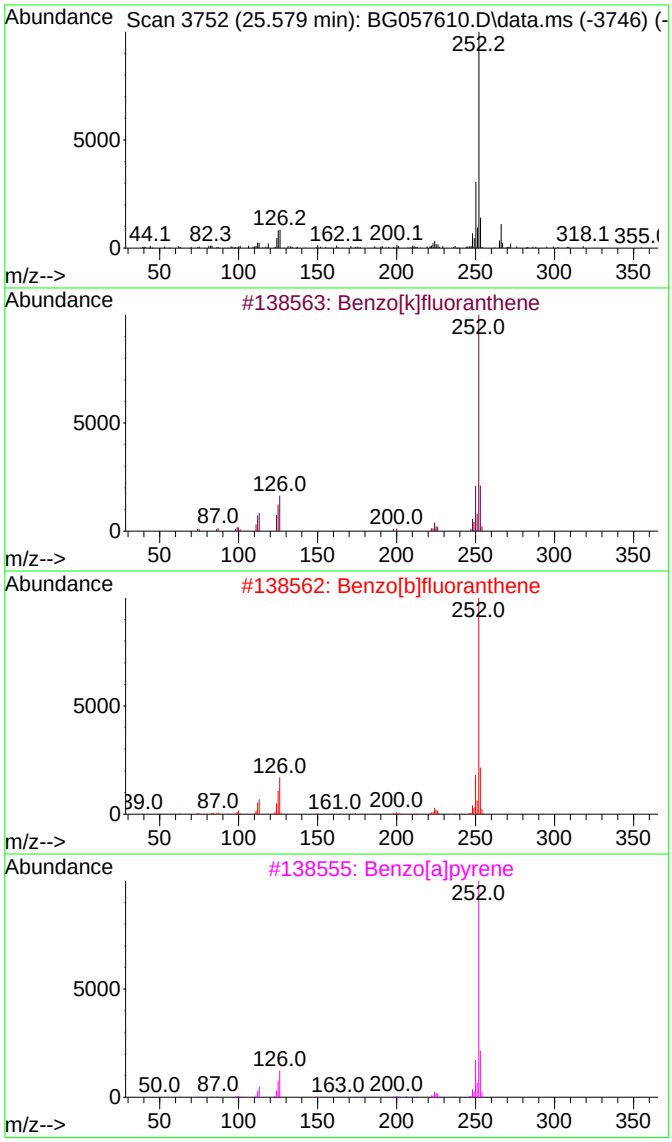
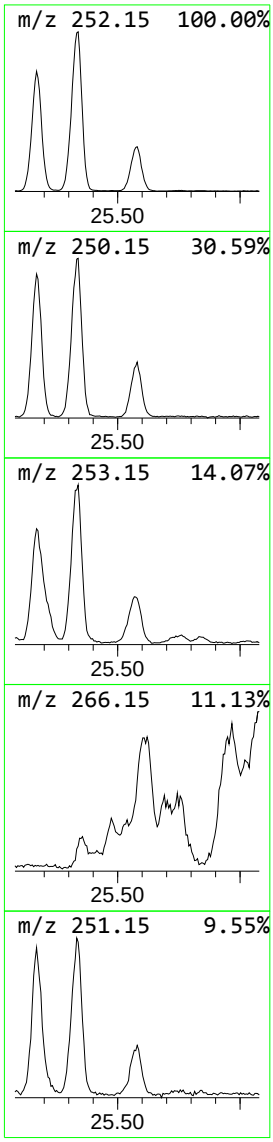
Peak Number 20 unknown25.579 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.579	18.99 ng	376556	Perylene-d12	25.497

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	86
2	Benzo[b]fluoranthene	252	C20H12	000205-99-2	64
3	Benzo[a]pyrene	252	C20H12	000050-32-8	64
4	Benzo[e]pyrene	252	C20H12	000192-97-2	60
5	Perylene	252	C20H12	000198-55-0	52





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG053023\
Data File : BG057610.D
Acq On : 30 May 2023 17:29
Operator : CG/JU
Sample : 02955-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DUP02

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG052723.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-...	5.366	7.2	ng	39158	1	8.338	109341	20.0
Benzophenone	16.292	4.9	ng	73942	3	14.958	300050	20.0
n-Hexadecanoic ...	18.536	3.0	ng	62416	4	17.696	419993	20.0
Phenanthrene, 3...	18.559	2.6	ng	55269	4	17.696	419993	20.0
Phenanthrene, 1...	18.612	3.7	ng	77671	4	17.696	419993	20.0
4H-Cyclopenta[d...	18.765	8.6	ng	181391	4	17.696	419993	20.0
5,16[1',2']:8,1...	19.047	2.4	ng	49734	4	17.696	419993	20.0
di-p-Tolylacety...	19.464	3.4	ng	71996	4	17.696	419993	20.0
Cyclopenta(def)...	19.617	5.1	ng	107331	4	17.696	419993	20.0
Pyrene, 1-methyl-	20.404	2.7	ng	209064	5	22.002	1544330	20.0
11H-Benzo[b]flu...	20.574	4.1	ng	317814	5	22.002	1544330	20.0
11H-Benzo[a]flu...	20.668	3.1	ng	238258	5	22.002	1544330	20.0
Pyrene, 2-methyl-	20.733	2.5	ng	195549	5	22.002	1544330	20.0
Benzo[b]naphtho...	21.555	2.6	ng	201801	5	22.002	1544330	20.0
unknown21.655	21.655	2.2	ng	168291	5	22.002	1544330	20.0
1H-Benz[f]inden...	22.777	3.7	ng	285872	5	22.002	1544330	20.0
Perylene	24.657	13.9	ng	276281	6	25.497	396595	20.0
Dinaphtho[1,2-b...	24.869	4.0	ng	79148	6	25.497	396595	20.0
Benzo[e]pyrene	25.168	38.4	ng	761907	6	25.497	396595	20.0
unknown25.579	25.579	19.0	ng	376556	6	25.497	396595	20.0