LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121422\
Data File : BG055968.D
Acq On : 14 Dec 2022 20:50
Operator : CG/JU
Sample : N6024-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MH-21

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-BG121322.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG055968.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.404	15	20	25	rBV	21871	30066	4.45%	0.272%
2	5.414	356	362	367	rBB2	12788	18856	2.79%	0.171%
3	5.884	436	442	449	rBB	95277	150525	22.29%	1.363%
4	7.494	709	716	723	rBB	100761	170184	25.20%	1.541%
5	8.369	859	865	871	rBB2	24725	40491	6.00%	0.367%
6	9.538	1058	1064	1071	rBB	58813	103875	15.38%	0.941%
7	11.201	1341	1347	1354	rBV	34083	59401	8.80%	0.538%
8	13.604	1750	1756	1763	rBB	206708	316775	46.91%	2.869%
9	14.309	1870	1876	1879	rBB2	11975	16300	2.41%	0.148%
10	14.703	1938	1943	1950	rBV2	5233	10989	1.63%	0.100%
11	14.973	1984	1989	1995	rVB	60832	93005	13.77%	0.842%
12	16.013	2160	2166	2175	rVB2	7046	12979	1.92%	0.118%
13	16.313	2206	2217	2223	rVB	22606	37183	5.51%	0.337%
14	16.454	2232	2241	2248	rBV	230475	357273	52.91%	3.236%
15	16.677	2275	2279	2284	rVB4	6774	10650	1.58%	0.096%
16	17.012	2331	2336	2341	rVB4	5781	10034	1.49%	0.091%
17	17.365	2390	2396	2404	rVV3	6851	13115	1.94%	0.119%
18	17.535	2420	2425	2433	rVB	9902	17011	2.52%	0.154%
19	17.711	2449	2455	2459	rBV	79542	129481	19.18%	1.173%
20	17.758	2459	2463	2469	rVB	161677	238494	35.32%	2.160%
21	17.846	2473	2478	2482	rVV	18892	28179	4.17%	0.255%
22	17.899	2482	2487	2492	rVB4	6629	14802	2.19%	0.134%
23	18.111	2518	2523	2526	rBV	8157	15538	2.30%	0.141%
24	18.228	2539	2543	2546	rBV	8221	10061	1.49%	0.091%
25	18.293	2549	2554	2561	rVB	22335	33125	4.91%	0.300%
26	18.434	2573	2578	2585	rVB	13061	25824	3.82%	0.234%
27	18.498	2585	2589	2595	rBV4	6885	12498	1.85%	0.113%
28	18.581	2595	2603	2607	rVV	73597	140992	20.88%	1.277%
29	18.628	2607	2611	2617	rVB	84231	122861	18.20%	1.113%
30	18.710	2617	2625	2630	rBV2	15267	30060	4.45%	0.272%
31	18.769	2630	2635	2640	rVV2	73327	159093	23.56%	1.441%
32	18.810	2640	2642	2647	rVB	53515	62989	9.33%	0.570%
33	18.880	2647	2654	2658	rBV8	5353	10108	1.50%	0.092%
34	18.969	2664	2669	2674	rBV3	13088	20685	3.06%	0.187%
35	19.068	2681	2686	2689	rBV2	45934	64273	9.52%	0.582%
36	19.110	2689	2693	2703	rVB3	47503	85385	12.65%	0.773%

LSC Area Percent Report

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Acq On : 14 Dec 2022 20:50
Operator : CG/JU
Sample : N6024-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MH-21

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-BG121322.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	19.309	2719	2727	2731	rBV2	28585	53968	7.99%	0.489%
38	19.362	2731	2736	2739	rVV	34502	42232	6.25%	0.382%
39	19.397	2739	2742	2748	rVB2	26515	34153	5.06%	0.309%
40	19.480	2750	2756	2761	rBV	93196	145932	21.61%	1.322%
41	19.533	2761	2765	2769	rBV3	27725	52872	7.83%	0.479%
42	19.574	2769	2772	2775	rVB	26429	32678	4.84%	0.296%
43	19.621	2775	2780	2785	rBV3	40638	79671	11.80%	0.722%
44	19.750	2796	2802	2807	rVB	396270	571106	84.58%	5.172%
45	19.803	2807	2811	2813	rBV	22474	35185	5.21%	0.319%
46	19.832	2814	2816	2821	rVB2	26453	34714	5.14%	0.314%
47	19.897	2822	2827	2829	rBV2	12629	19094	2.83%	0.173%
48	19.932	2829	2833	2837	rVB3	20364	30091	4.46%	0.273%
49	19.985	2837	2842	2845	rBV2	25962	48310	7.15%	0.438%
50	20.073	2851	2857	2858	rBV	66051	91943	13.62%	0.833%
51	20.108	2858	2863	2869	rVB	467098	675243	100.00%	6.115%
52	20.167	2869	2873	2879	rBV	50184	80896	11.98%	0.733%
53	20.291	2888	2894	2898	rVB	436381	545275	80.75%	4.938%
54	20.332	2898	2901	2909	rVB3	29539	53241	7.88%	0.482%
55	20.426	2909	2917	2925	rBV4	63544	177448	26.28%	1.607%
56	20.584	2934	2944	2950	rVB	97936	242423	35.90%	2.196%
57	20.690	2953	2962	2966	rBV	67094	123048	18.22%	1.114%
58	20.749	2966	2972	2976	rVV2	90549	150514	22.29%	1.363%
59	20.784	2976	2978	2981	rVB2	18759	18992	2.81%	0.172%
60	20.890	2992	2996	3000	rBV	76188	108532	16.07%	0.983%
61	20.937	3000	3004	3015	rVB2	63120	121144	17.94%	1.097%
62	21.154	3037	3041	3044	rBV3	26372	42595	6.31%	0.386%
63	21.195	3044	3048	3052	rVV6	16575	32239	4.77%	0.292%
64	21.377	3074	3079	3085	rVB	56432	103698	15.36%	0.939%
65	21.436	3085	3089	3093	rVB3	18861	23834	3.53%	0.216%
66	21.477	3093	3096	3101	rVB2	20001	30495	4.52%	0.276%
67	21.577	3103	3113	3117	rBV3	73529	179678	26.61%	1.627%
68	21.618	3117	3120	3125	rVV	60052	92455	13.69%	0.837%
69	21.671	3125	3129	3134	rVV2	44681	78826	11.67%	0.714%
70	21.730	3134	3139	3148	rVB2	50397	102840	15.23%	0.931%
71	21.871	3160	3163	3169	rVB3	17896	29888	4.43%	0.271%
72	21.959	3175	3178	3179	rBV	10794	12128	1.80%	0.110%
73	22.006	3179	3186	3193	rVV2	268532	661138	97.91%	5.988%
74	22.077	3194	3198	3210	rVB	238653	439269	65.05%	3.978%
75	22.182	3211	3216	3221	rBV3	19968	38488	5.70%	0.349%
76	22.241	3221	3226	3231	rBV2	35372	62733	9.29%	0.568%

LSC Area Percent Report

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Acq On : 14 Dec 2022 20:50
Operator : CG/JU
Sample : N6024-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

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

77	22.306	3233	3237	3240	rBV2	18638	29161	4.32%	0.264%
78	22.459	3257	3263	3270	rBV2	26417	61514	9.11%	0.557%
79	22.529	3271	3275	3285	rVB7	21975	52586	7.79%	0.476%
80	22.729	3305	3309	3313	rVB2	14358	20147	2.98%	0.182%
81	22.811	3313	3323	3328	rVV	65718	175611	26.01%	1.590%
82	22.887	3330	3336	3343	rVB2	51861	110317	16.34%	0.999%
83	23.034	3359	3361	3367	rVB4	17707	24293	3.60%	0.220%
84	23.105	3368	3373	3377	rBV3	35913	60375	8.94%	0.547%
85	23.263	3394	3400	3405	rVB3	24307	55279	8.19%	0.501%
86	23.734	3477	3480	3483	rBV4	7906	11429	1.69%	0.104%
87	24.415	3585	3596	3604	rBV2	147014	577369	85.51%	5.229%
88	24.691	3637	3643	3653	rVB	32316	91123	13.49%	0.825%
89	24.909	3673	3680	3684	rBV7	17257	40332	5.97%	0.365%
90	25.202	3720	3730	3742	rVB	103257	339461	50.27%	3.074%
91	25.361	3748	3757	3771	rVB	144452	441690	65.41%	4.000%
92	25.531	3775	3786	3792	rBV	55587	187725	27.80%	1.700%
93	25.960	3854	3859	3860	rBV4	8521	12426	1.84%	0.113%
94	26.477	3941	3947	3959	rVB3	15157	57512	8.52%	0.521%
95	26.824	3998	4006	4008	rBV8	12443	27927	4.14%	0.253%
96	27.036	4036	4042	4051	rVB3	12530	43903	6.50%	0.398%
97	29.039	4376	4383	4384	rBV2	7084	12047	1.78%	0.109%
98	29.568	4460	4473	4488	rBV4	42371	225697	33.42%	2.044%
99	30.079	4554	4560	4562	rBV2	6175	13019	1.93%	0.118%
100	30.825	4672	4687	4699	rBV2	37550	198496	29.40%	1.798%

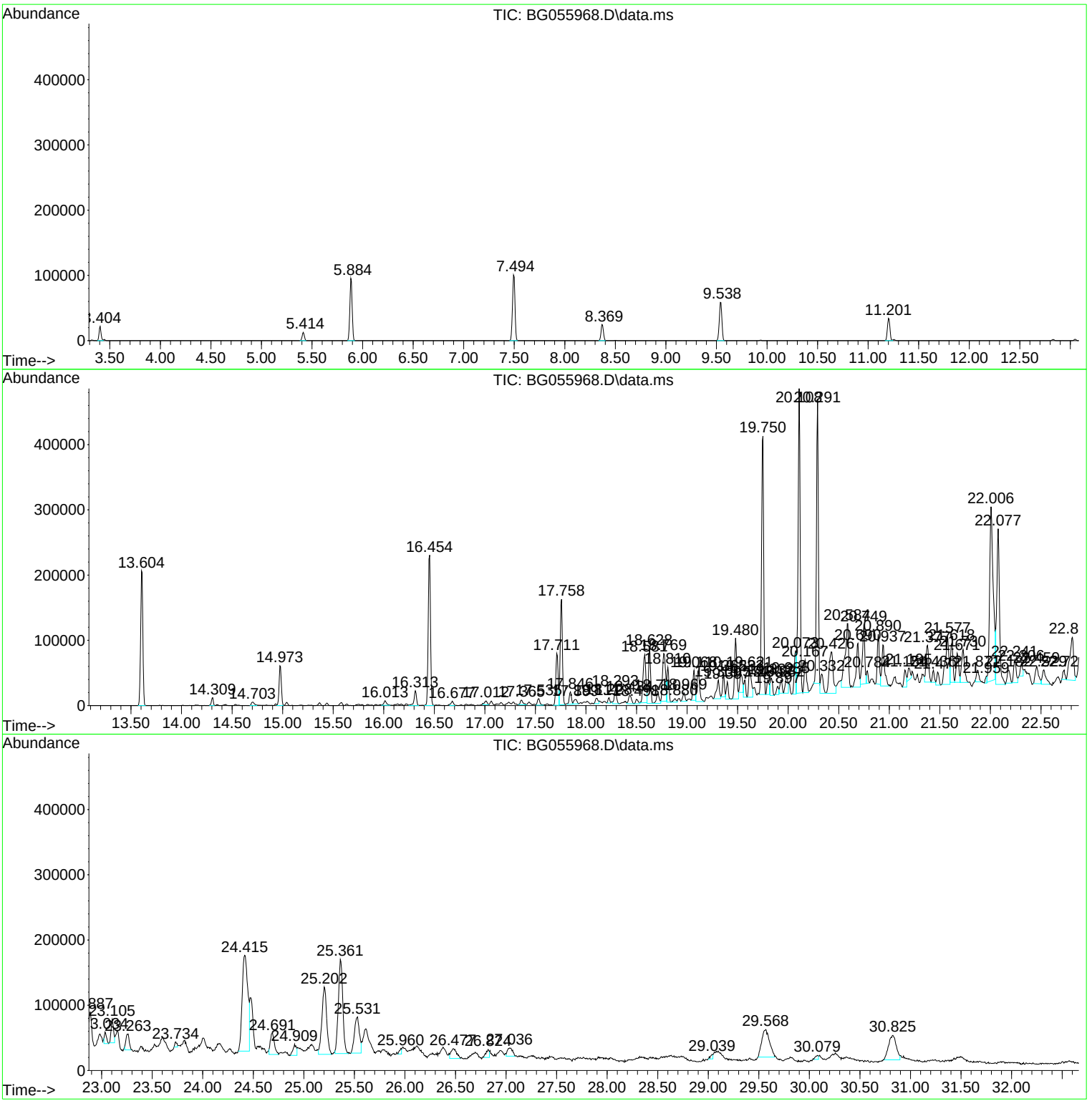
Sum of corrected areas: 11041608

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121422\
Data File : BG055968.D
Acq On : 14 Dec 2022 20:50
Operator : CG/JU
Sample : N6024-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MH-21

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.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\BG121422\
Data File : BG055968.D
Acq On : 14 Dec 2022 20:50
Operator : CG/JU
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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

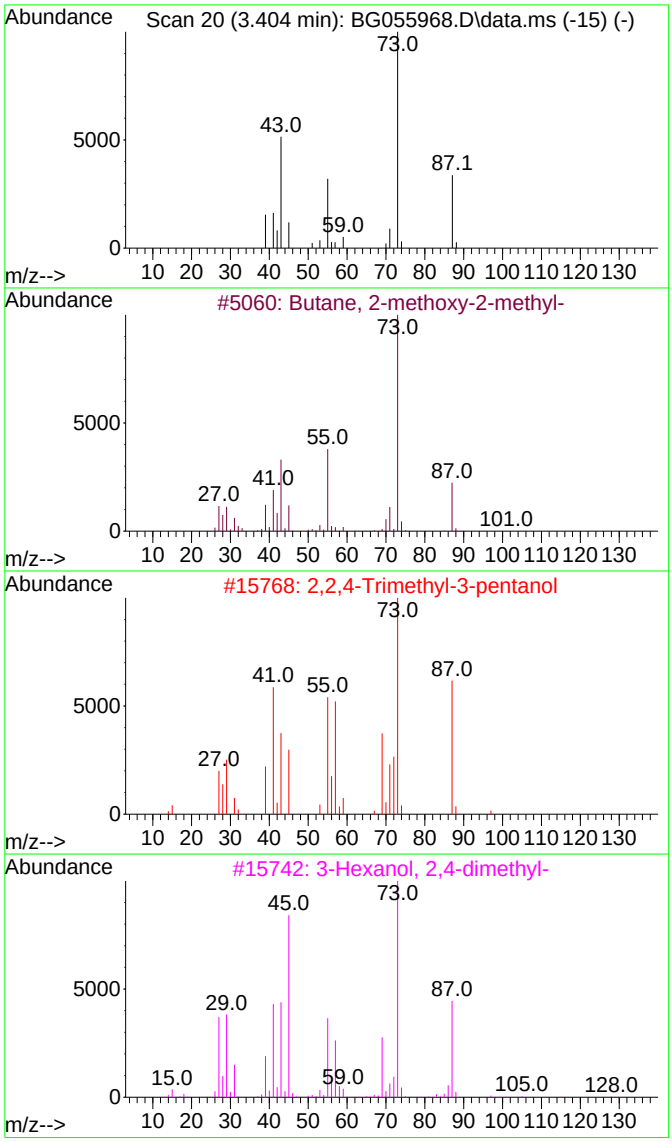
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

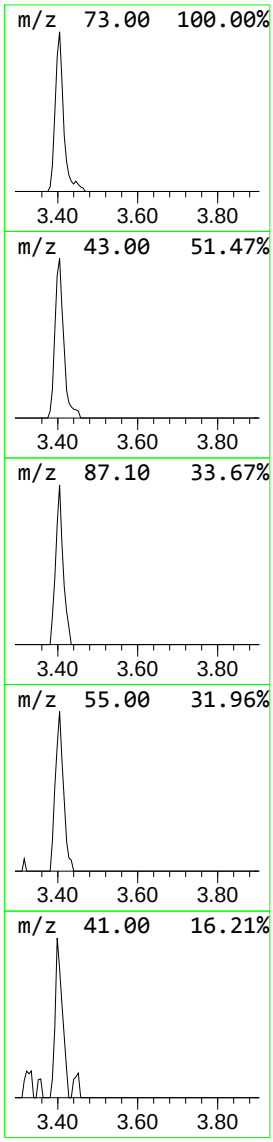
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.404	14.85 ng	30066	1,4-Dichlorobenzene-d4	8.375

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	50
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	33
3	3-Hexanol, 2,4-dimethyl-	130	C8H18O	013432-25-2	28
4	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9
5	(R)-3-Pyrrolidinol	87	C4H9NO	002799-21-5	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121422\
Data File : BG055968.D
Acq On : 14 Dec 2022 20:50
Operator : CG/JU
Sample : N6024-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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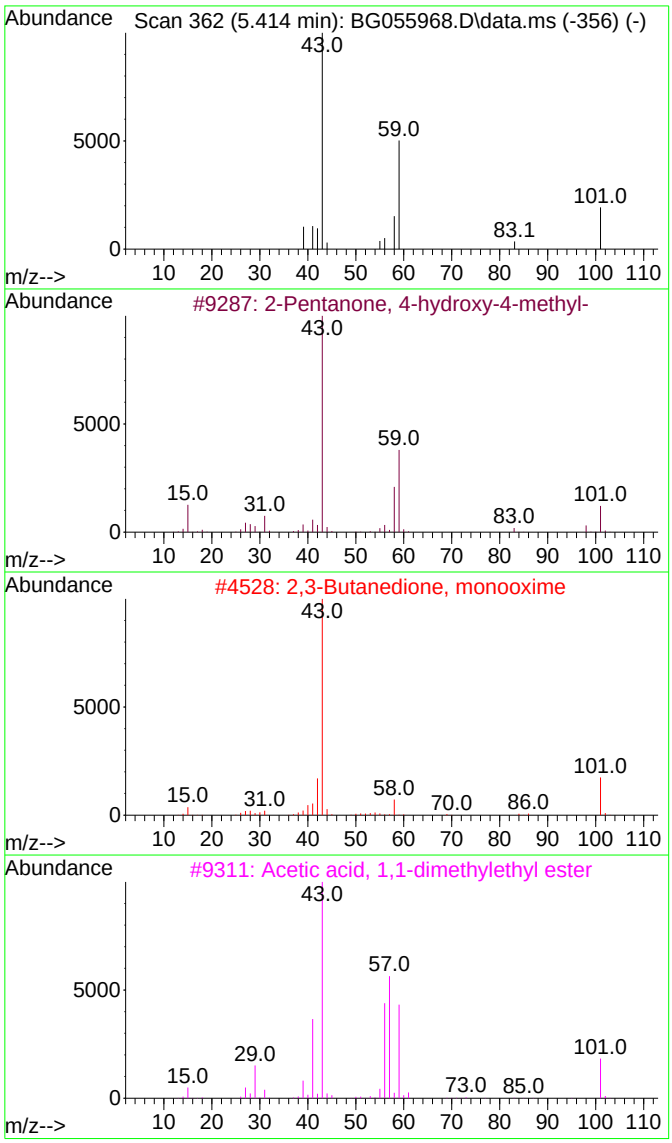
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

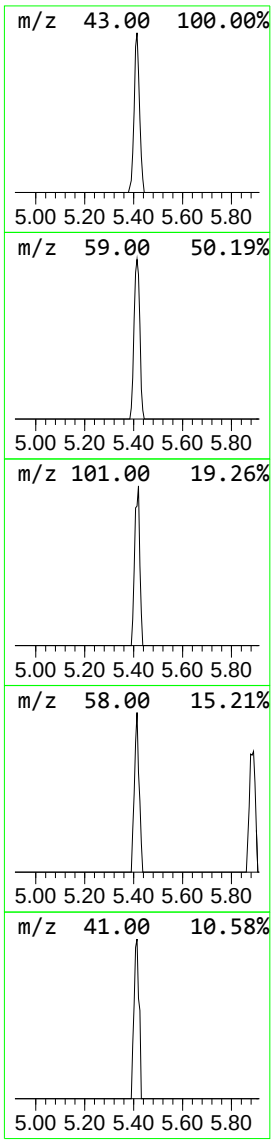
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.414	9.31 ng	18856	1,4-Dichlorobenzene-d4	8.375

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
3	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	9
4	2-Nonanone, 9-hydroxy-	158	C9H18O2	025368-56-3	9
5	2-Pentanone, 5-(acetyloxy)-	144	C7H12O3	005185-97-7	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121422\
Data File : BG055968.D
Acq On : 14 Dec 2022 20:50
Operator : CG/JU
Sample : N6024-04
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ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

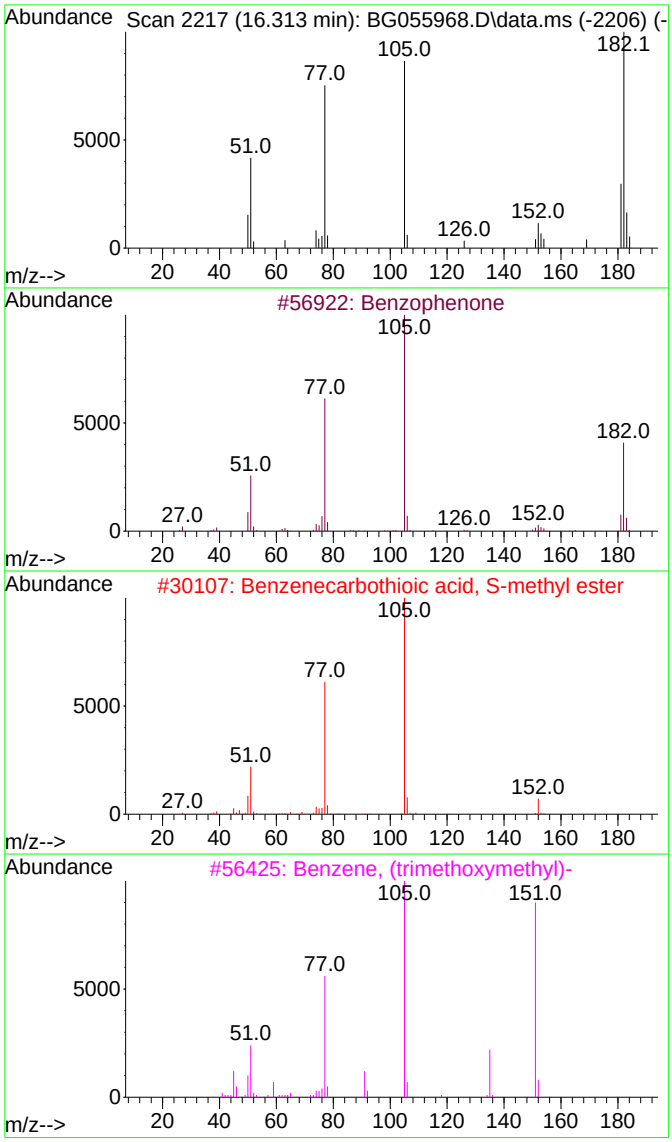
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

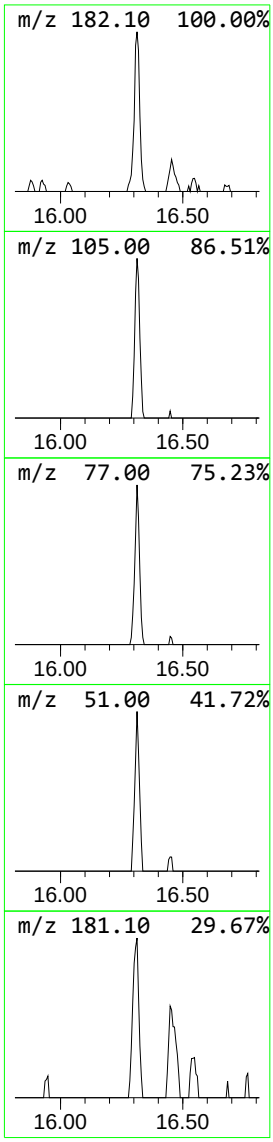
****

Peak Number 3 Benzophenone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.313	8.00 ng	37183	Acenaphthene-d10	14.973

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	90
2	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	49
3	Benzene, (trimethoxymethyl)-	182	C10H14O3	000707-07-3	38
4	Phenazine, 5,10-dihydro-	182	C12H10N2	000613-32-1	38
5	1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121422\
Data File : BG055968.D
Acq On : 14 Dec 2022 20:50
Operator : CG/JU
Sample : N6024-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MH-21

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

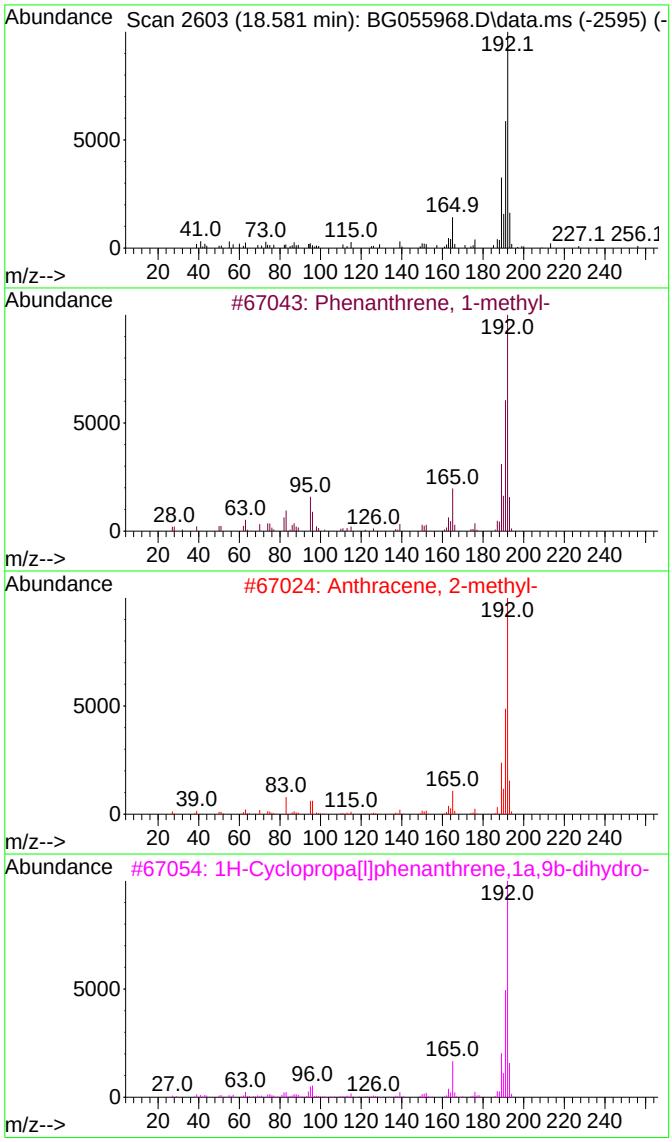
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

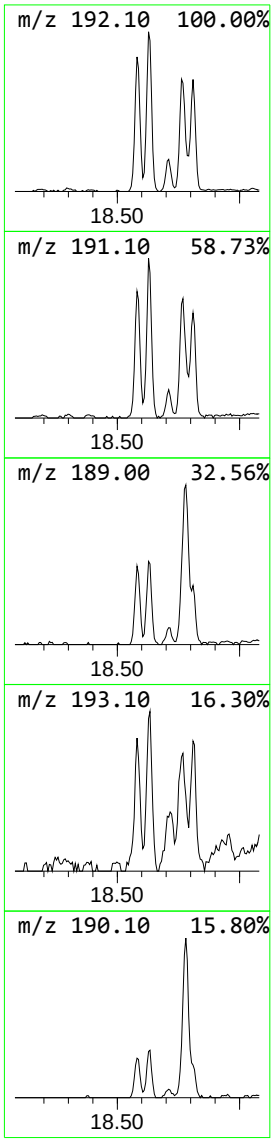
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.581	21.78 ng	140992	Phenanthrene-d10	17.711

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121422\
Data File : BG055968.D
Acq On : 14 Dec 2022 20:50
Operator : CG/JU
Sample : N6024-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MH-21

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

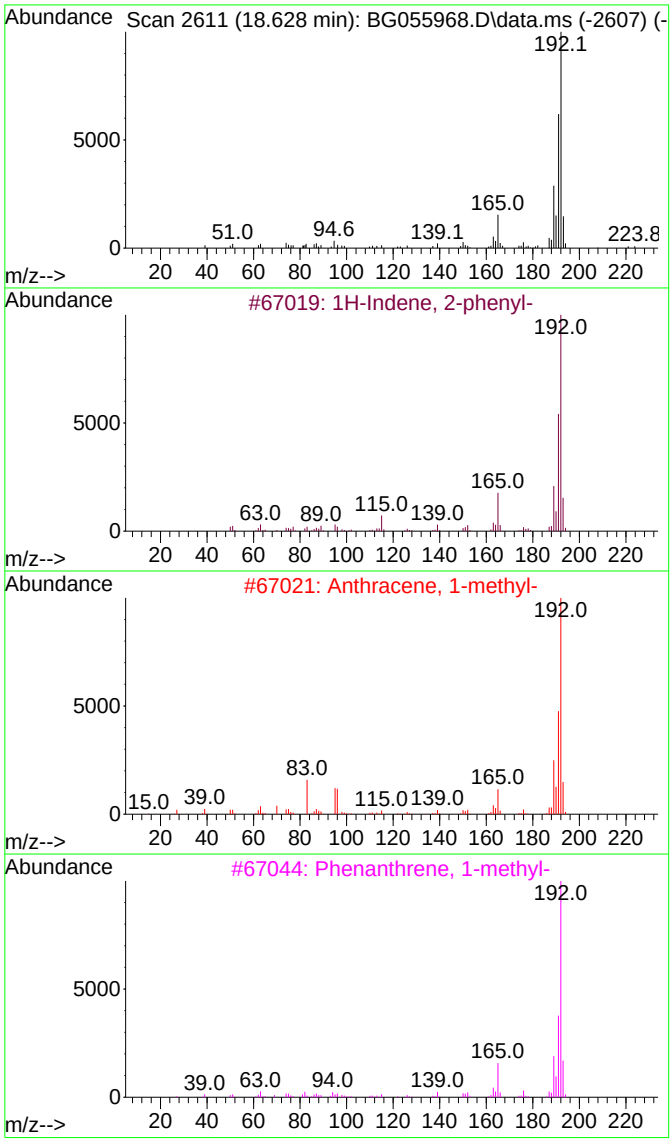
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

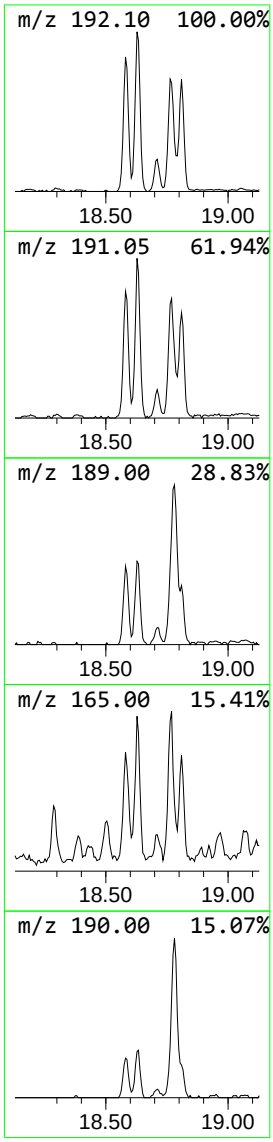
****

Peak Number 5 1H-Indene, 2-phenyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.628	18.98 ng	122861	Phenanthrene-d10	17.711

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	94
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





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Operator : CG/JU
Sample : N6024-04
Misc :
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Instrument :
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ClientSampleId :
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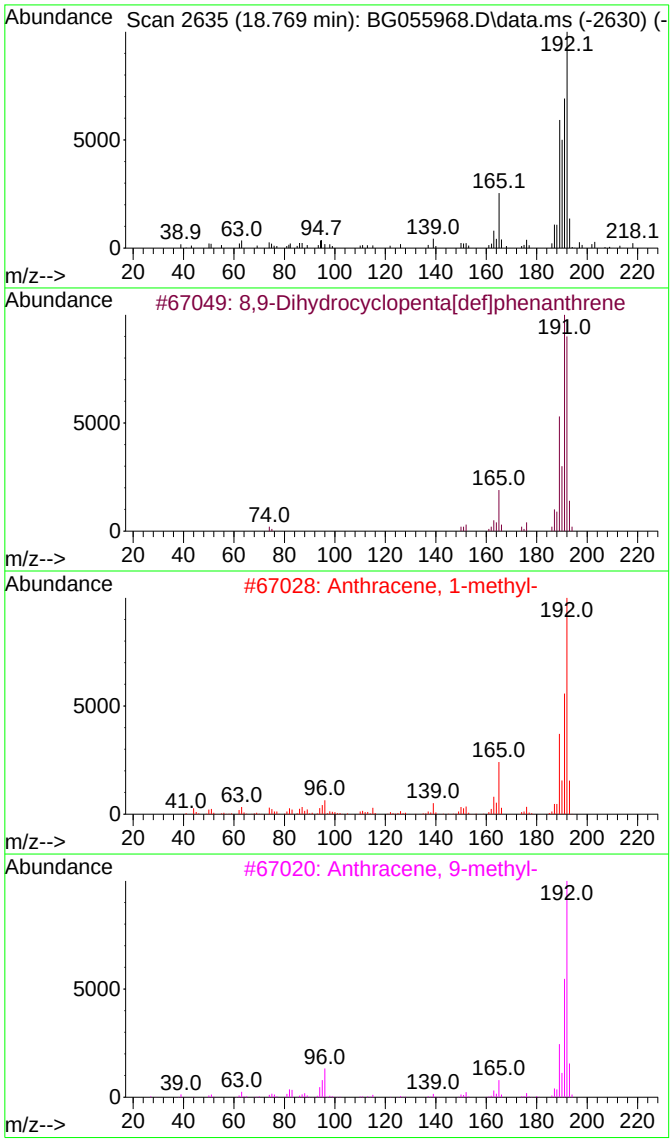
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

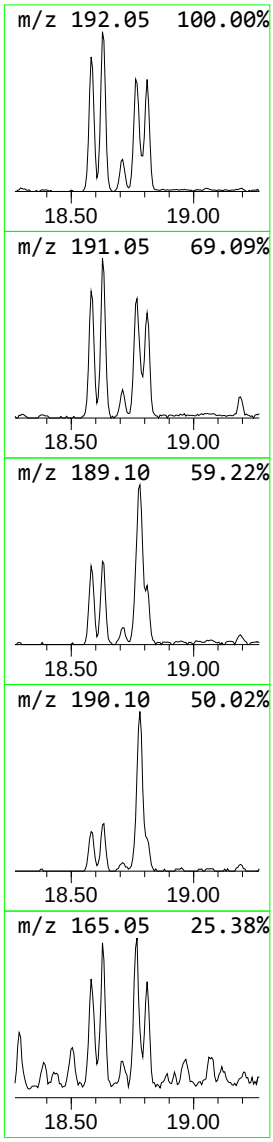
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 8,9-Dihydrocyclopenta[def]p... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.769	24.57 ng	159093	Phenanthrene-d10	17.711

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	83
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	78
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	64
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	64
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	60





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

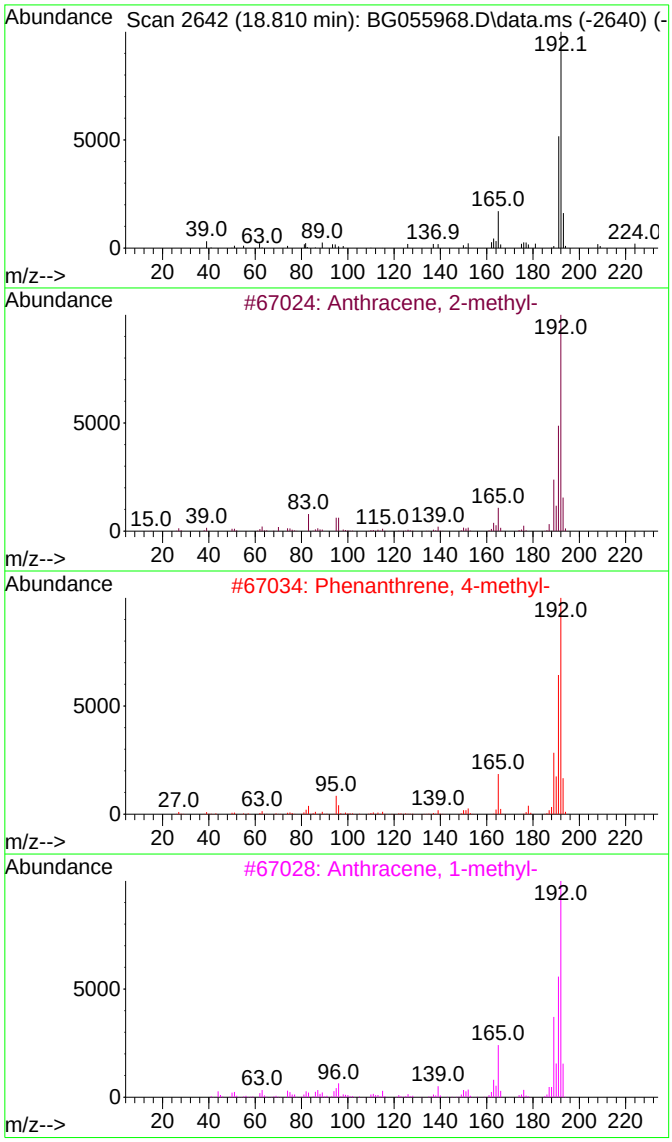
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

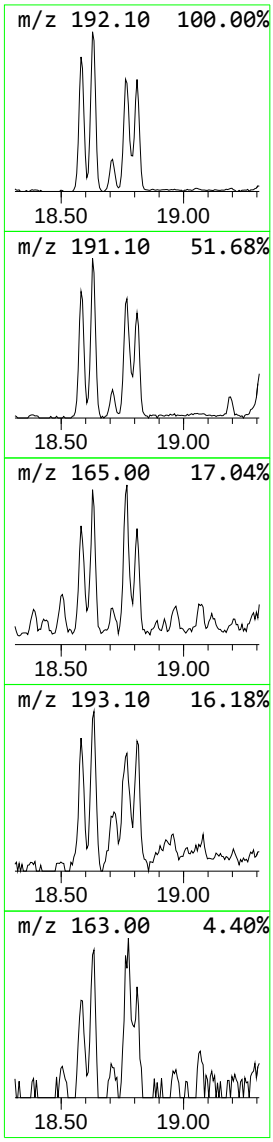
****

Peak Number 7 Anthracene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.810	9.73 ng	62989	Phenanthrene-d10	17.711

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90





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

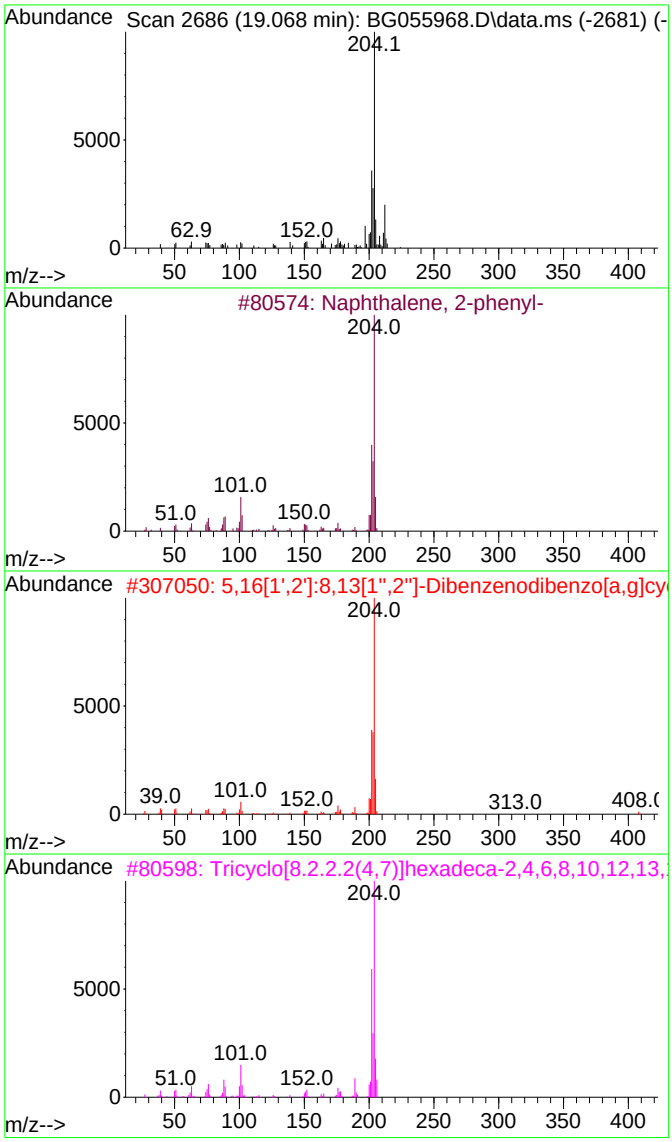
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

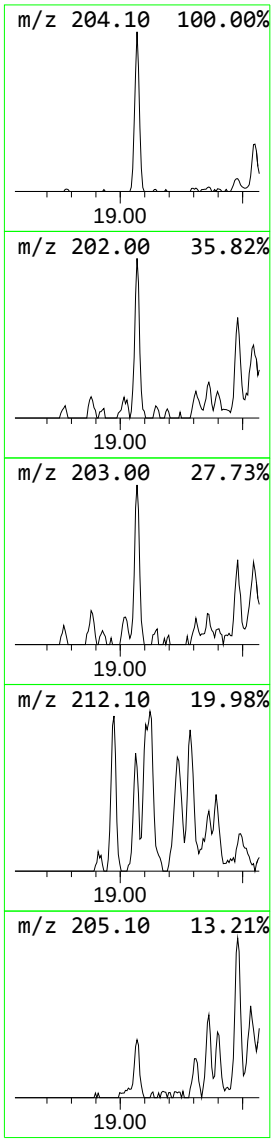
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.068	9.93 ng	64273	Phenanthrene-d10	17.711

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	60
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	58
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	49
4	Pyrazol-5-ol, 3-(3,4-methylenedi...	204	C10H8N2O3	1000271-76-1	49
5	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	43





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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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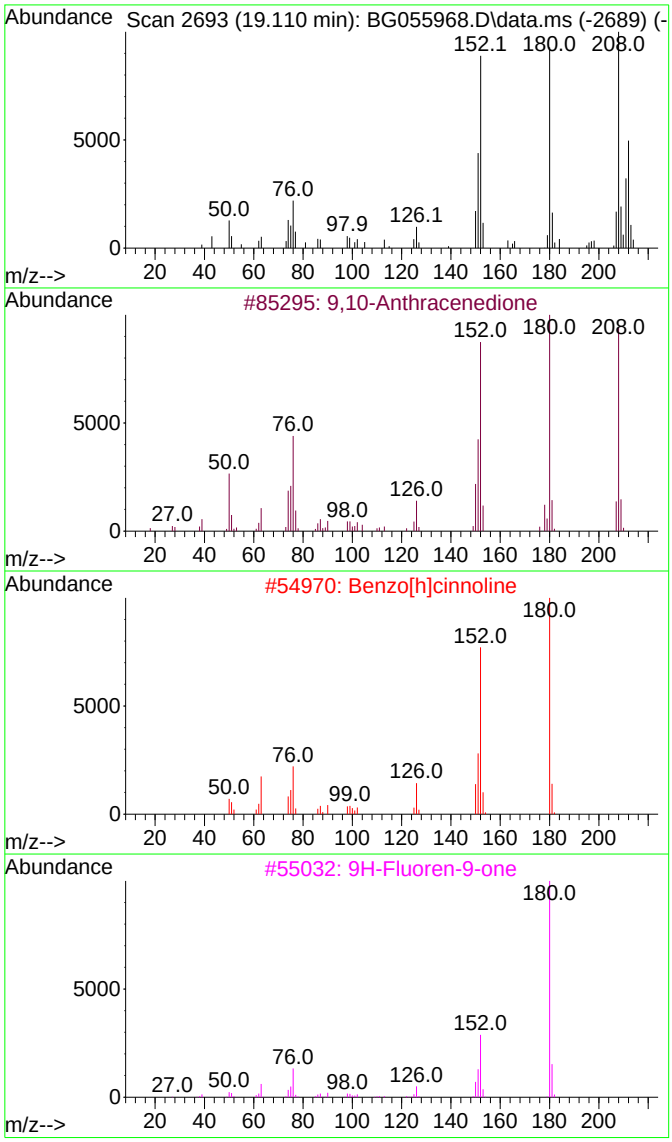
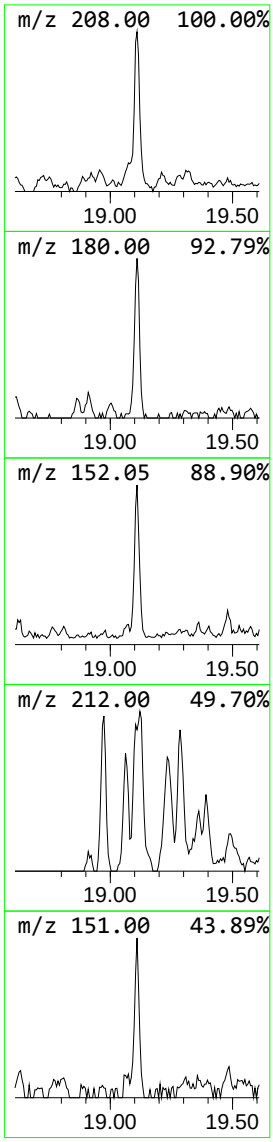
Peak Number 9 9,10-Anthracenedione Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.110	13.19 ng	85385	Phenanthrene-d10	17.711

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	70
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	55
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	50
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	50





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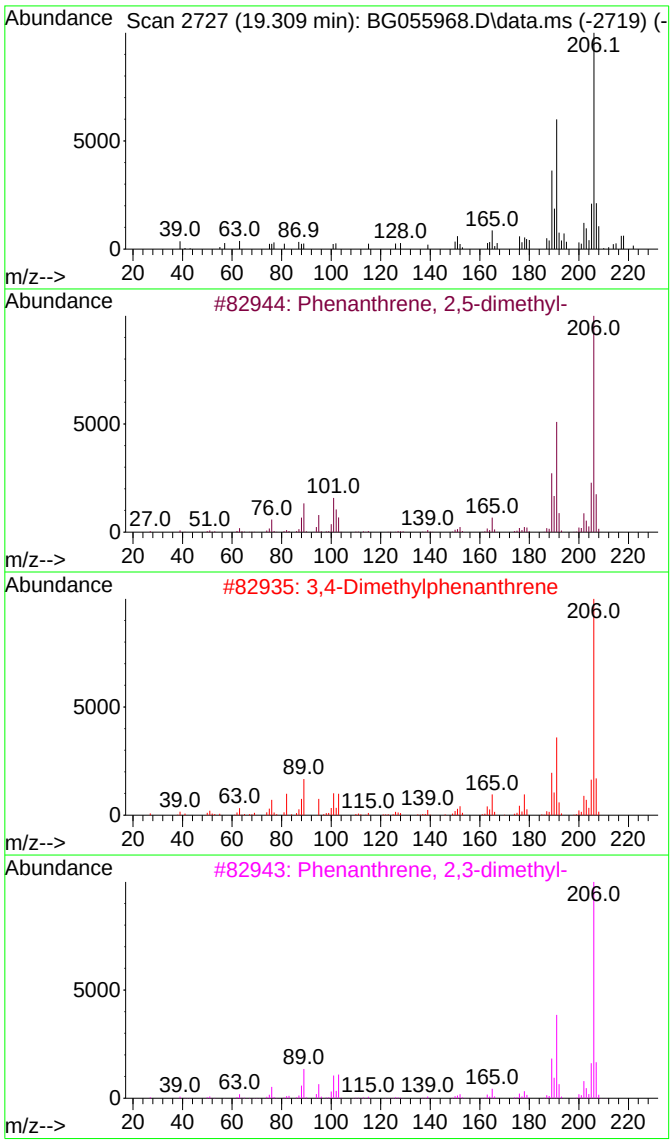
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

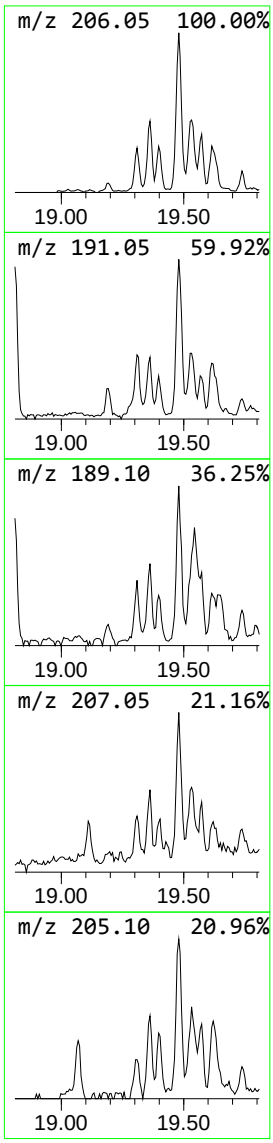
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.309	8.34 ng	53968	Phenanthrene-d10	17.711

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	87
2	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	87
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	83
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	81
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	81





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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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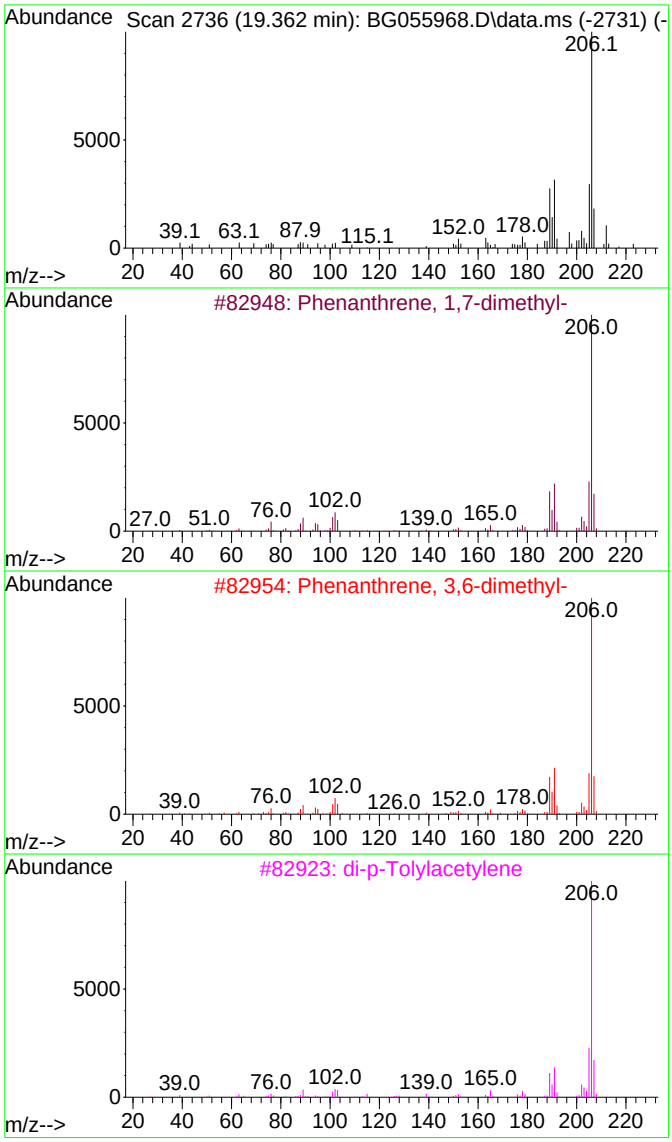
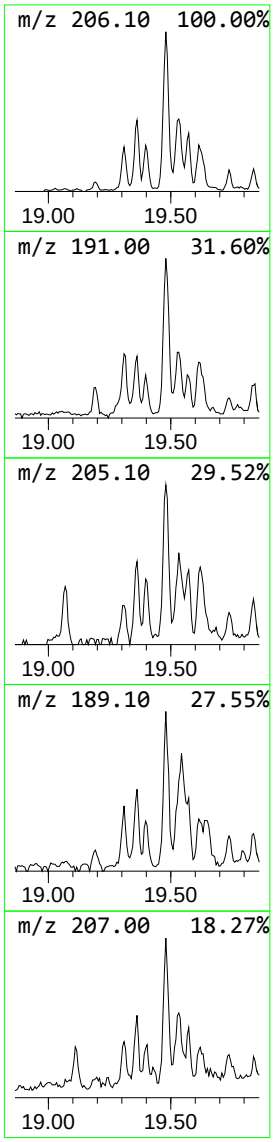
Peak Number 11 Phenanthrene, 1,7-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.362	6.52 ng	42232	Phenanthrene-d10	17.711

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	80
5	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	64





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Sample : N6024-04
Misc :
ALS Vial : 13 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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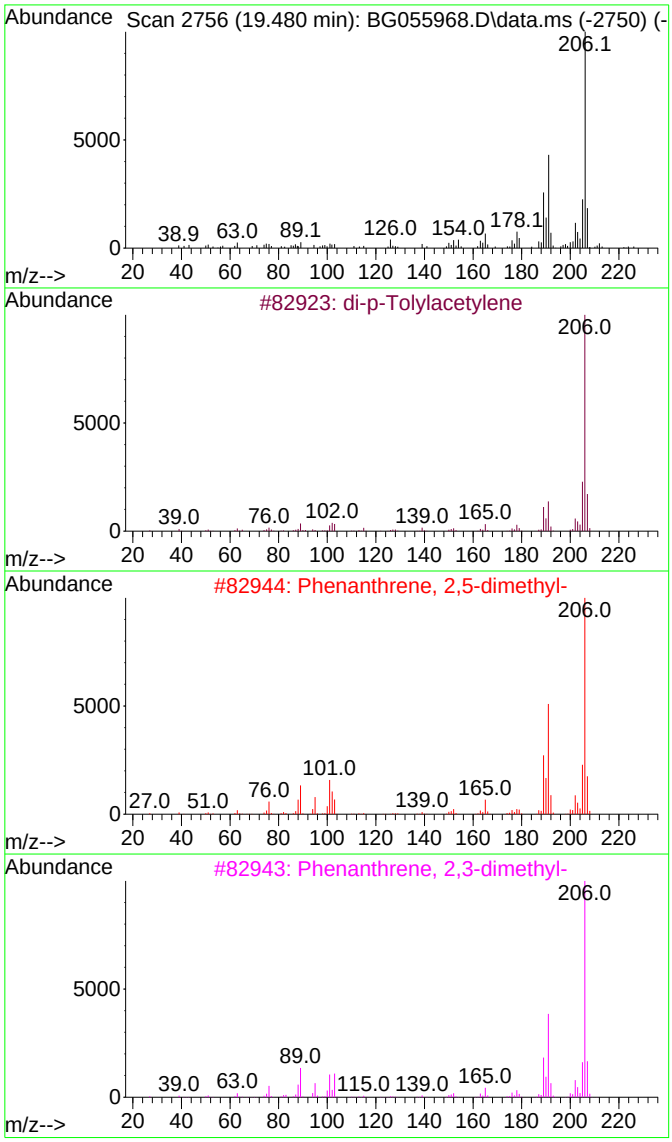
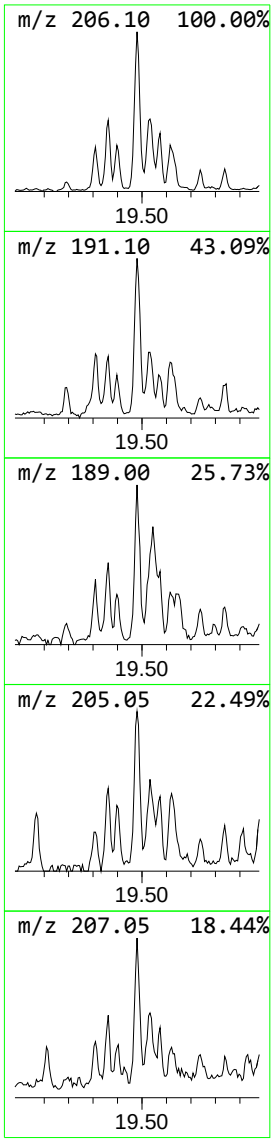
Peak Number 12 di-p-Tolylacetylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.480	22.54 ng	145932	Phenanthrene-d10	17.711

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87





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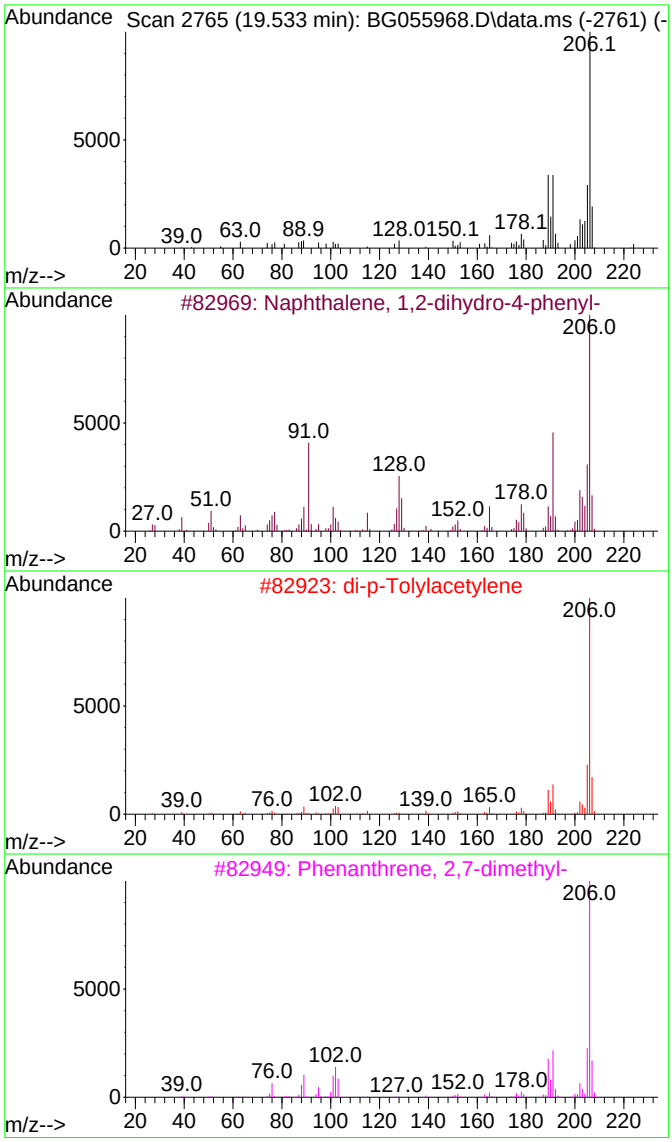
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

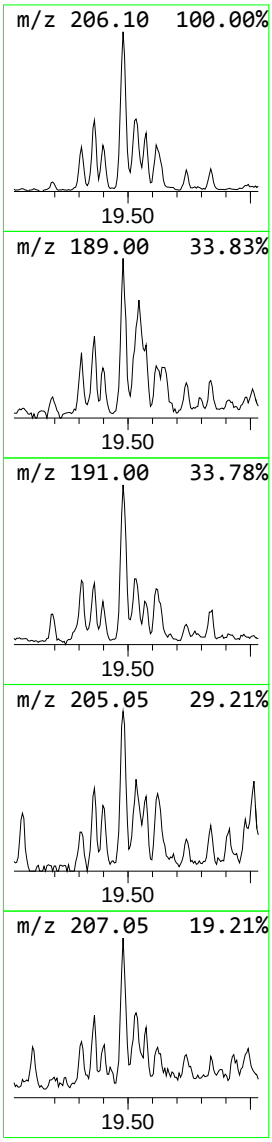
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Naphthalene, 1,2-dihydro-4-... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.533	8.17 ng	52872	Phenanthrene-d10	17.711

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	90
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	87
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	83
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	83





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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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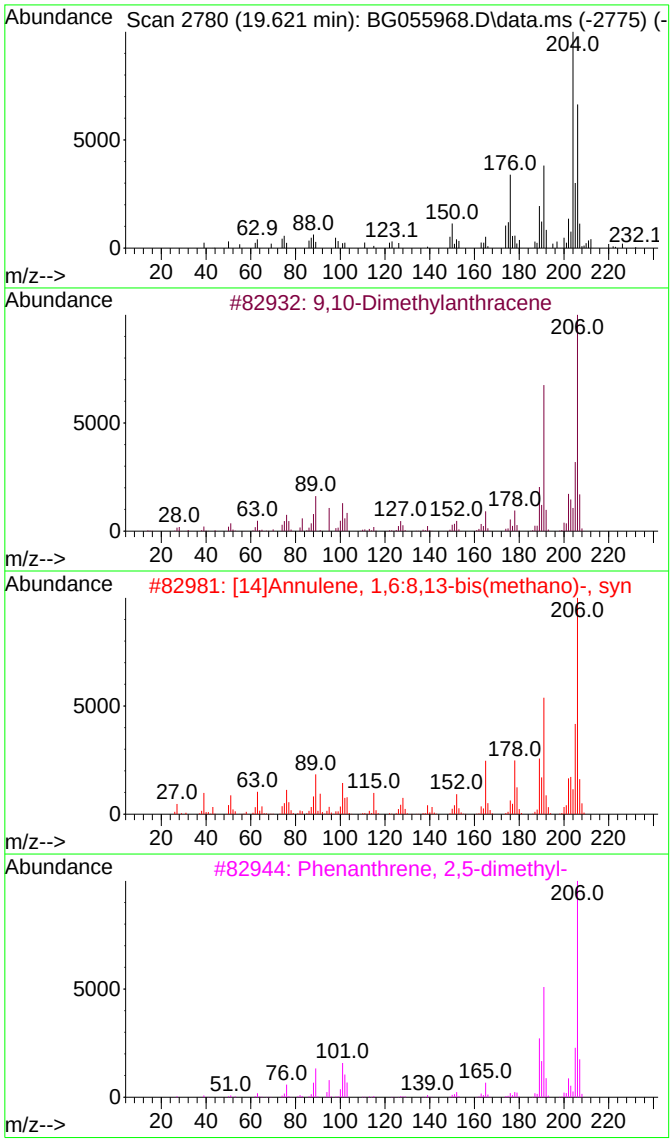
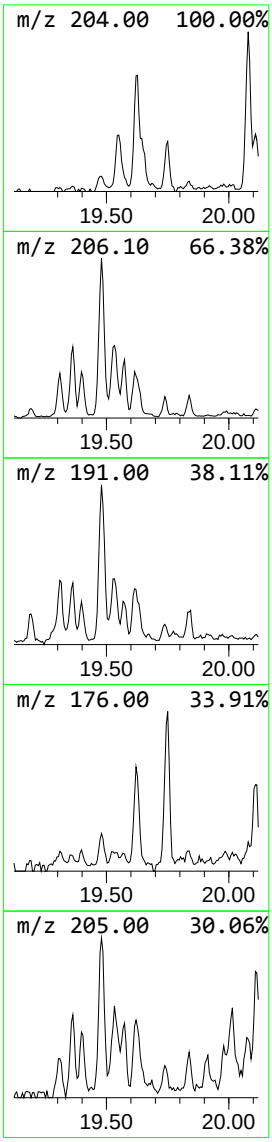
Peak Number 14 9,10-Dimethylanthracene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.621	12.31 ng	79671	Phenanthrene-d10	17.711

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	60
2	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	55
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	50
4	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	49
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	46





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TIC Library : C:\Database\NIST20.L
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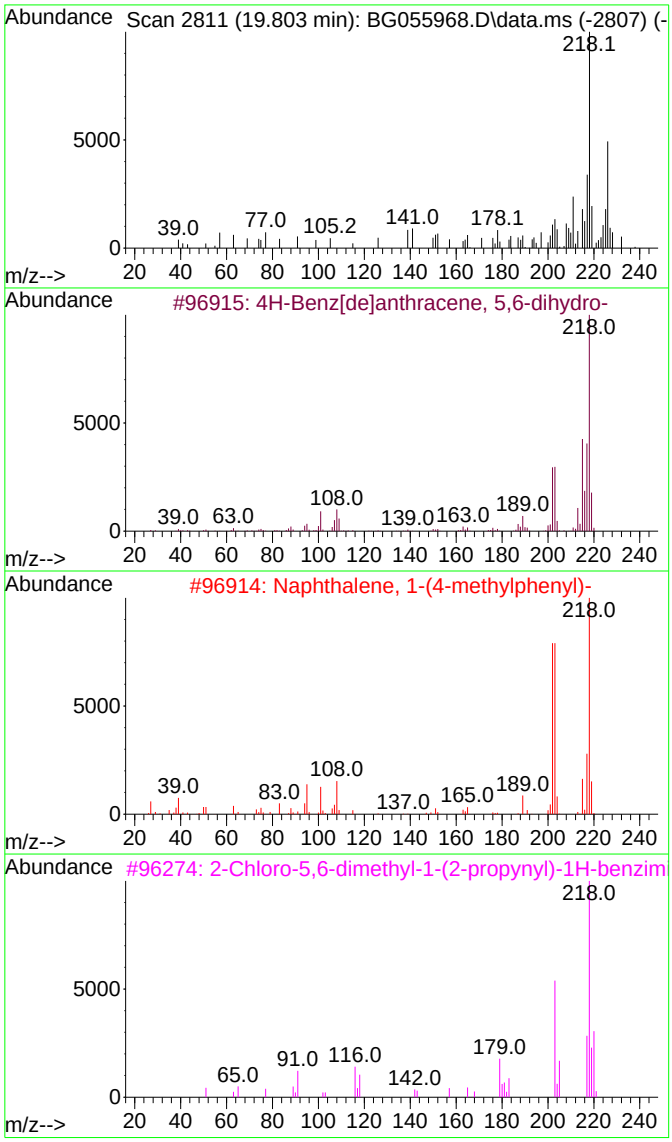
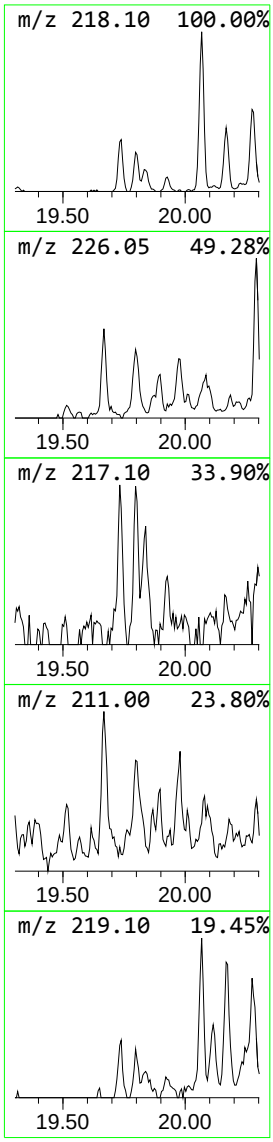
Peak Number 15 unknown19.803 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.803	5.43 ng	35185	Phenanthrene-d10	17.711

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Benz[de]anthracene, 5,6-dihydro-	218	C17H14	004389-09-7	43
2	Naphthalene, 1-(4-methylphenyl)-	218	C17H14	027331-34-6	43
3	2-Chloro-5,6-dimethyl-1-(2-propy...	218	C12H11ClN2	080276-20-6	43
4	Anthracene, 9-(2-propenyl)-	218	C17H14	023707-65-5	41
5	Naphthalene, 2-(phenylmethyl)-	218	C17H14	000613-59-2	38





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TIC Library : C:\Database\NIST20.L
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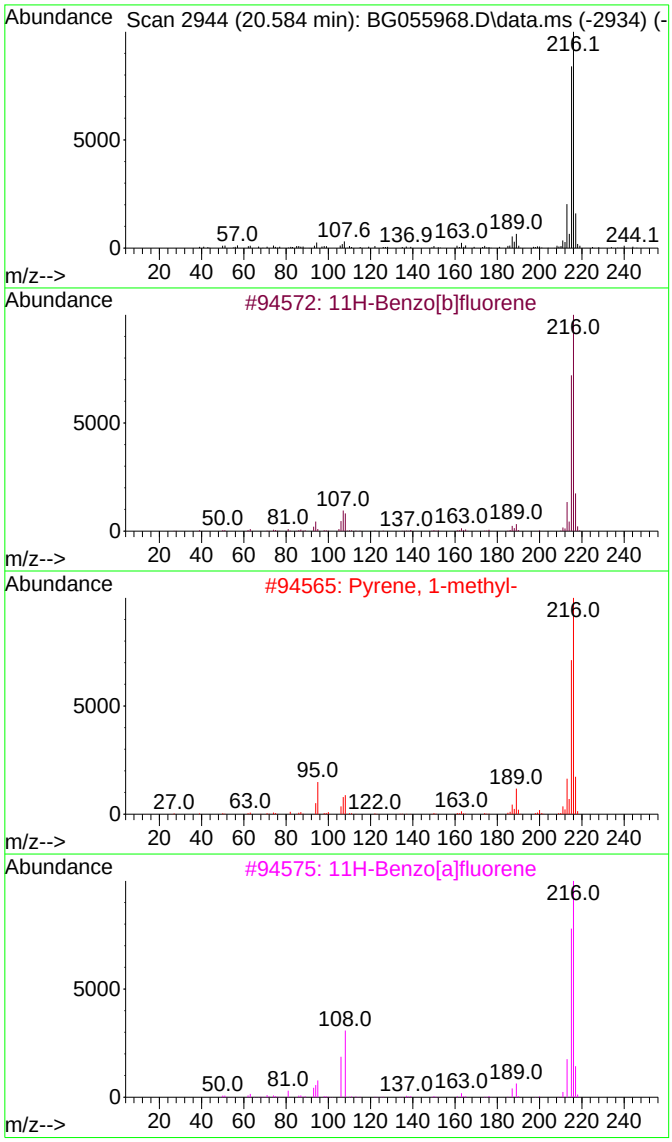
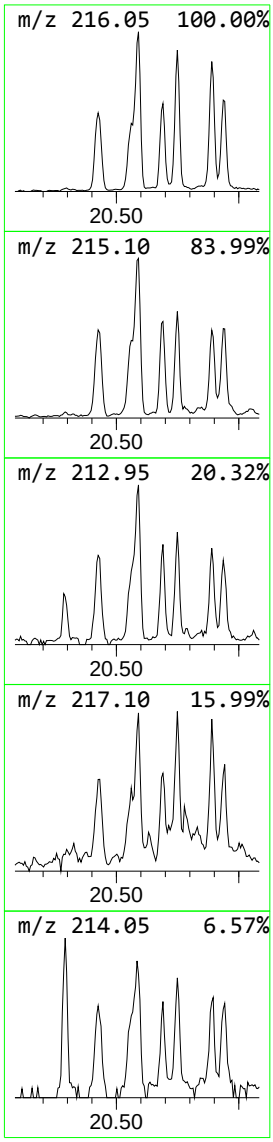
Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.584	7.33 ng	242423	Chrysene-d12	22.024

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	80





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ALS Vial : 13 Sample Multiplier: 1

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MH-21

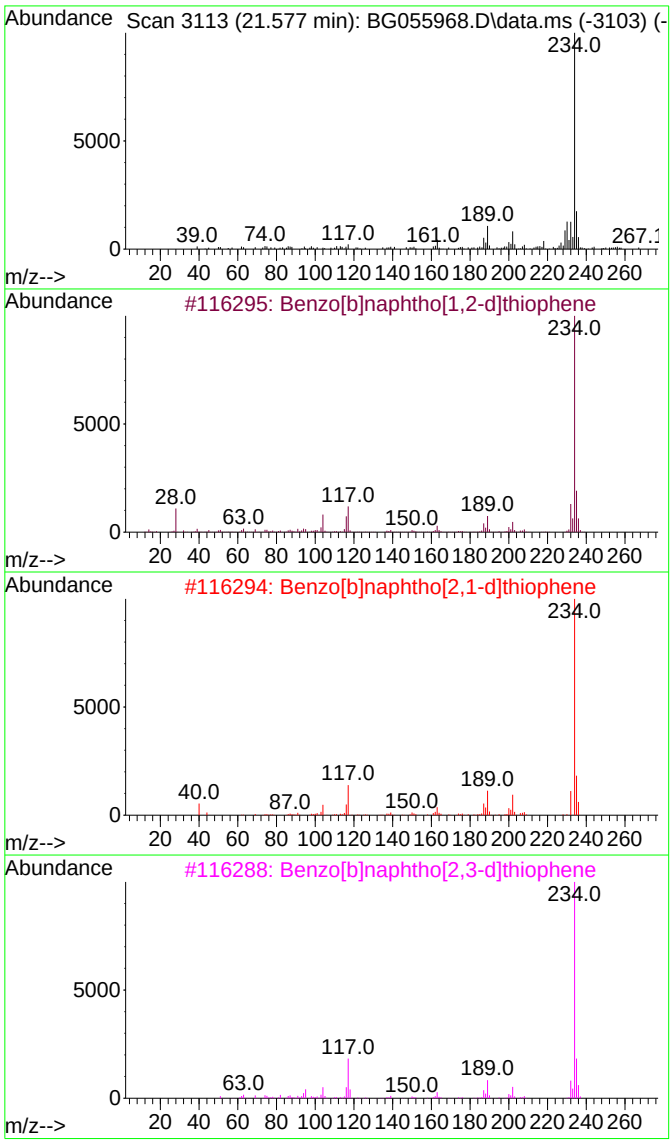
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

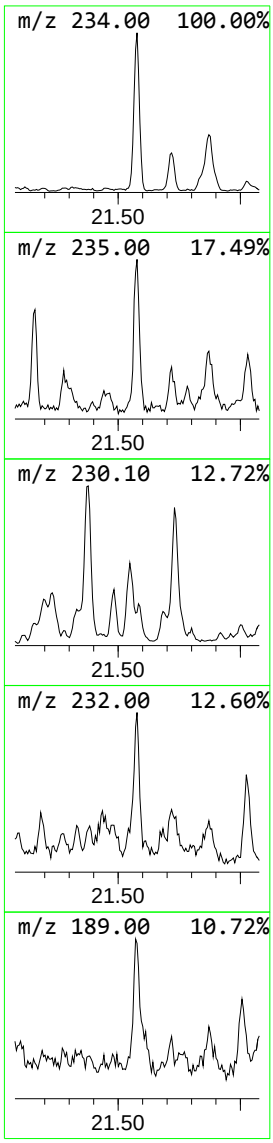
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Benzo[b]naphtho[1,2-d]thiop... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.577	5.44 ng	179678	Chrysene-d12	22.024

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	94
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	91
4	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	90
5	Phenanthro(2,1-b)thiophene	234	C16H10S	000219-25-0	70





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121422\
Data File : BG055968.D
Acq On : 14 Dec 2022 20:50
Operator : CG/JU
Sample : N6024-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MH-21

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

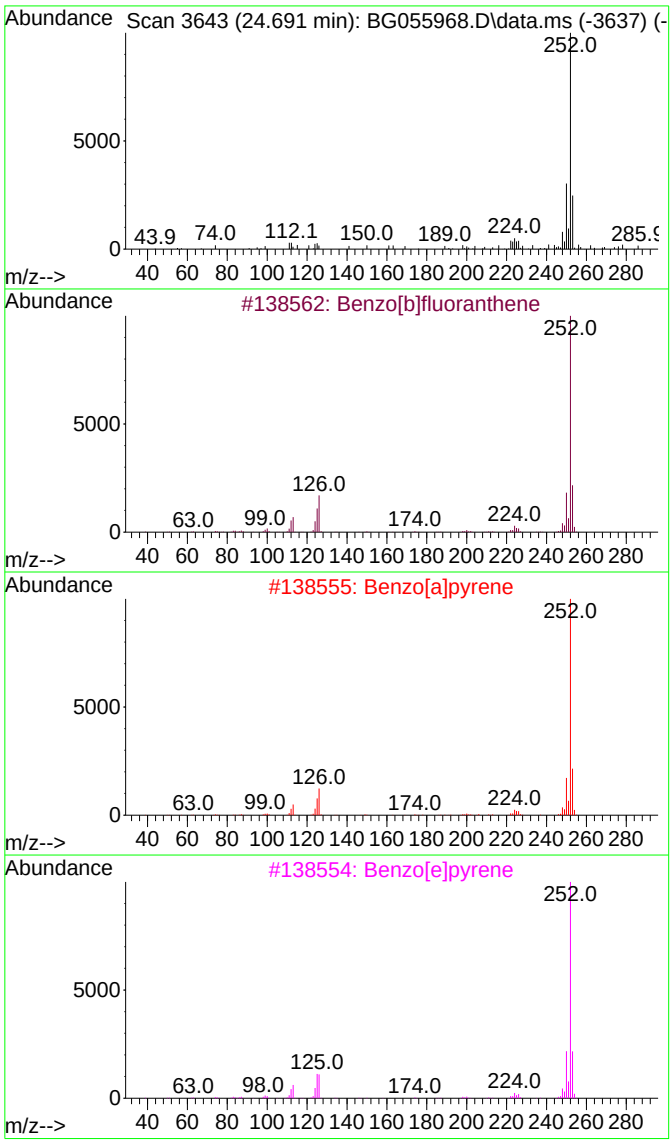
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

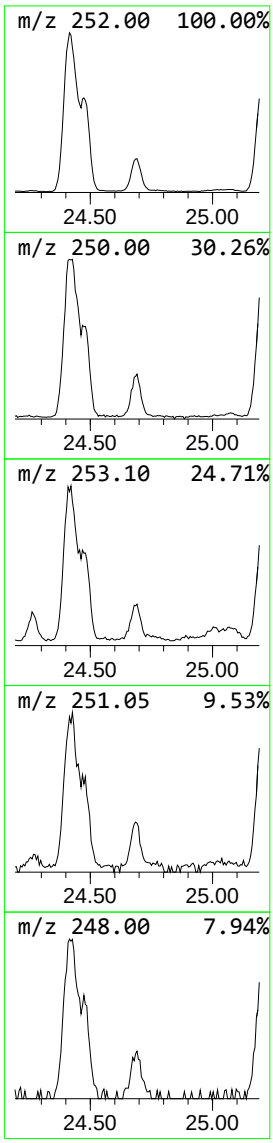
****

Peak Number 18 Benzo[e]pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.691	9.71 ng	91123	Perylene-d12	25.526

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]fluoranthene	252	C20H12	000205-99-2	74
2	Benzo[a]pyrene	252	C20H12	000050-32-8	74
3	Benzo[e]pyrene	252	C20H12	000192-97-2	64
4	Perylene	252	C20H12	000198-55-0	59
5	Benzo[b]naphtho[2,3-d]thiophene,...	252	C17H16S	024964-06-5	59





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Data File : BG055968.D
Acq On : 14 Dec 2022 20:50
Operator : CG/JU
Sample : N6024-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MH-21

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.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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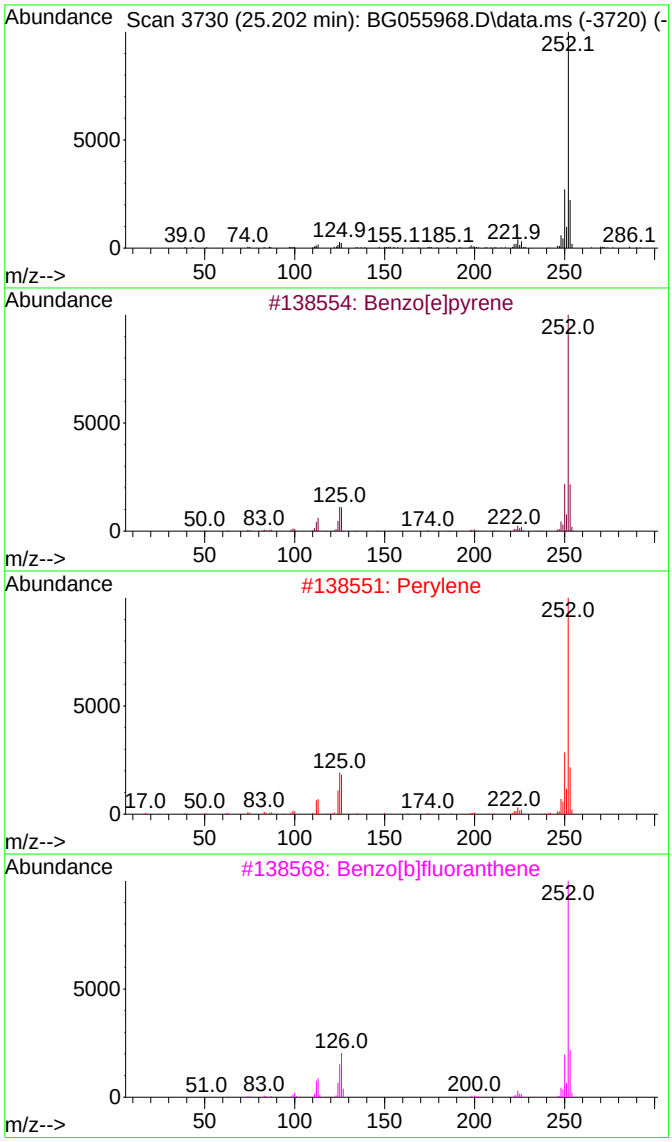
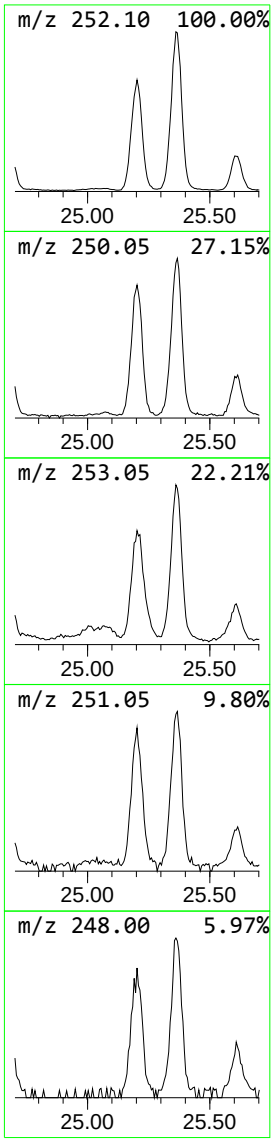
Peak Number 19 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.202	36.17 ng	339461	Perylene-d12	25.526

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2	Perylene	252	C20H12	000198-55-0	90
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	87
4	Benzo[a]pyrene	252	C20H12	000050-32-8	83
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121422\
Data File : BG055968.D
Acq On : 14 Dec 2022 20:50
Operator : CG/JU
Sample : N6024-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MH-21

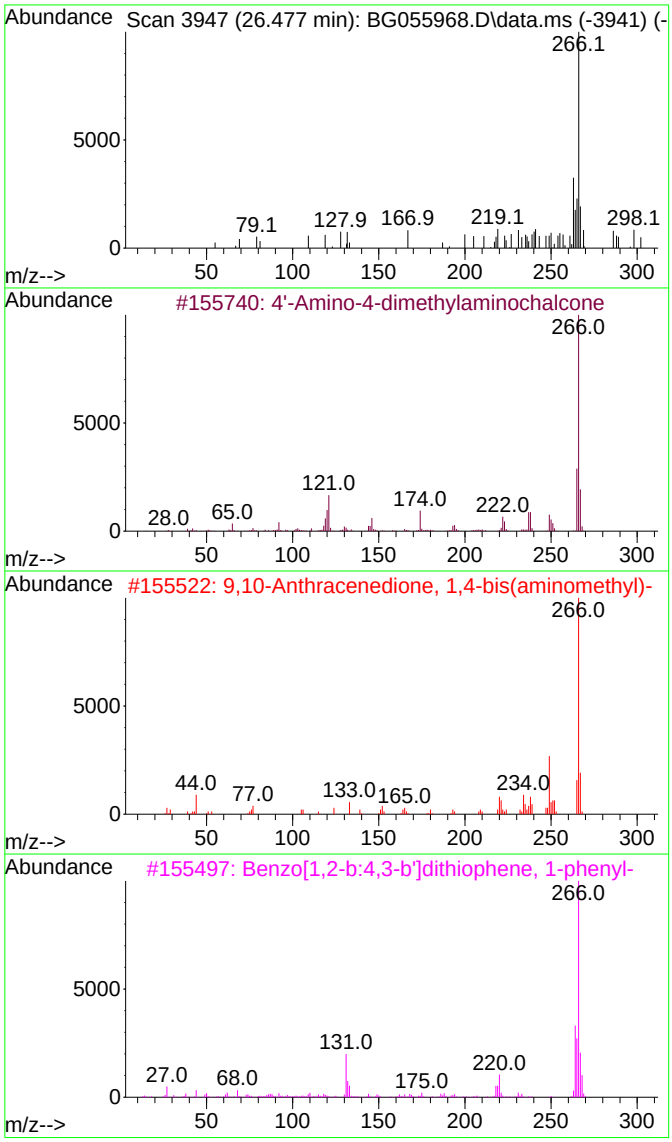
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

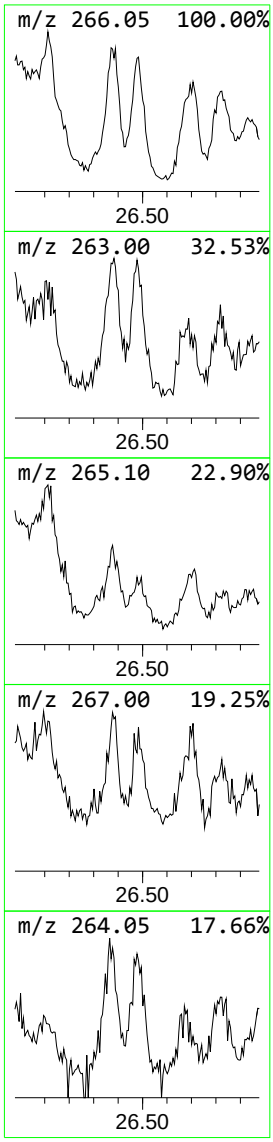
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 4'-Amino-4-dimethylaminocha... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.477	6.13 ng	57512	Perylene-d12	25.526

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4'-Amino-4-dimethylaminochalcone	266	C17H18N2O	025870-72-8	58
2	9,10-Anthracenedione, 1,4-bis(am...	266	C16H14N2O2	077862-13-6	58
3	Benzo[1,2-b:4,3-b']dithiophene, ...	266	C16H10S2	016587-58-9	53
4	10-Methylbenzo(a)pyrene	266	C21H14	063104-32-5	52
5	2,4,8,10-Tetramethylbenzo[1,2-b:...	266	C16H18N4	017377-04-7	52





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121422\
Data File : BG055968.D
Acq On : 14 Dec 2022 20:50
Operator : CG/JU
Sample : N6024-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MH-21

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121322.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
Butane, 2-metho...	3.404	14.9	ng	30066	1	8.375	40491	20.0
2-Pentanone, 4-...	5.414	9.3	ng	18856	1	8.375	40491	20.0
Benzophenone	16.313	8.0	ng	37183	3	14.973	93005	20.0
Phenanthrene, 1...	18.581	21.8	ng	140992	4	17.711	129481	20.0
1H-Indene, 2-ph...	18.628	19.0	ng	122861	4	17.711	129481	20.0
8,9-Dihydrocycl...	18.769	24.6	ng	159093	4	17.711	129481	20.0
Anthracene, 2-m...	18.810	9.7	ng	62989	4	17.711	129481	20.0
Naphthalene, 2-...	19.068	9.9	ng	64273	4	17.711	129481	20.0
9,10-Anthracene...	19.110	13.2	ng	85385	4	17.711	129481	20.0
Phenanthrene, 2...	19.309	8.3	ng	53968	4	17.711	129481	20.0
Phenanthrene, 1...	19.362	6.5	ng	42232	4	17.711	129481	20.0
di-p-Tolylacety...	19.480	22.5	ng	145932	4	17.711	129481	20.0
Naphthalene, 1,...	19.533	8.2	ng	52872	4	17.711	129481	20.0
9,10-Dimethylan...	19.621	12.3	ng	79671	4	17.711	129481	20.0
unknown19.803	19.803	5.4	ng	35185	4	17.711	129481	20.0
11H-Benzo[b]flu...	20.584	7.3	ng	242423	5	22.024	661138	20.0
Benzo[b]naphtho...	21.577	5.4	ng	179678	5	22.024	661138	20.0
Benzo[e]pyrene	24.691	9.7	ng	91123	6	25.526	187725	20.0
Perylene	25.202	36.2	ng	339461	6	25.526	187725	20.0
4'-Amino-4-dime...	26.477	6.1	ng	57512	6	25.526	187725	20.0