LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022223\
Data File : BG056700.D
Acq On : 22 Feb 2023 16:36
Operator : CG/JU
Sample : 01640-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-2

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-BG021523.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG056700.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.459	321	327	334	rBV	141082	215261	6.14%	0.512%
2	5.935	399	408	418	rBV	341503	554405	15.81%	1.318%
3	7.557	675	684	694	rBV	365791	637063	18.17%	1.515%
4	8.426	826	832	839	rVB	77492	128581	3.67%	0.306%
5	9.601	1025	1032	1045	rVB	212707	387980	11.07%	0.922%
6	11.270	1308	1316	1320	rBV	104180	197856	5.64%	0.470%
7	11.317	1320	1324	1331	rVB	119884	210385	6.00%	0.500%
8	12.892	1585	1592	1599	rVB	397593	635266	18.12%	1.510%
9	13.109	1618	1629	1636	rVB	347597	593598	16.93%	1.411%
10	13.661	1713	1723	1732	rVB	563539	861007	24.56%	2.047%
11	13.873	1755	1759	1768	rVB	69710	107173	3.06%	0.255%
12	14.067	1788	1792	1796	rBV	39308	62335	1.78%	0.148%
13	14.214	1808	1817	1824	rBV2	244110	636090	18.14%	1.512%
14	14.355	1834	1841	1846	rBV	401046	741516	21.15%	1.763%
15	14.413	1846	1851	1856	rVB	248005	381441	10.88%	0.907%
16	14.590	1875	1881	1885	rBV	189542	316344	9.02%	0.752%
17	14.625	1885	1887	1893	rVB	69372	82640	2.36%	0.196%
18	14.760	1900	1910	1919	rBV2	181718	338141	9.64%	0.804%
19	14.989	1944	1949	1952	rBV	109675	168213	4.80%	0.400%
20	15.030	1952	1956	1961	rVV2	161289	268157	7.65%	0.638%
21	15.095	1961	1967	1973	rVV2	187075	313699	8.95%	0.746%
22	15.236	1983	1991	1998	rBV2	72758	181005	5.16%	0.430%
23	15.312	1998	2004	2011	rBV3	30955	65071	1.86%	0.155%
24	15.418	2016	2022	2029	rVV2	251365	441409	12.59%	1.049%
25	15.495	2029	2035	2041	rVB	186903	296290	8.45%	0.704%
26	15.636	2051	2059	2064	rBV2	143801	286926	8.18%	0.682%
27	15.688	2064	2068	2073	rVB	151091	212147	6.05%	0.504%
28	15.806	2079	2088	2091	rBV3	102493	266591	7.60%	0.634%
29	15.835	2091	2093	2098	rVB	94589	124555	3.55%	0.296%
30	15.976	2113	2117	2121	rVV	79648	116462	3.32%	0.277%
31	16.070	2127	2133	2143	rVV	487163	888655	25.35%	2.113%
32	16.164	2143	2149	2151	rVV4	53877	93716	2.67%	0.223%
33	16.194	2151	2154	2157	rVV2	64653	117361	3.35%	0.279%
34	16.229	2157	2160	2164	rVV4	71180	112100	3.20%	0.267%
35	16.276	2164	2168	2173	rVV4	52024	92880	2.65%	0.221%
36	16.358	2173	2182	2188	rVB5	119438	296038	8.44%	0.704%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022223\
Data File : BG056700.D
Acq On : 22 Feb 2023 16:36
Operator : CG/JU
Sample : 01640-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-2

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-BG021523.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	16.505	2197	2207	2215	rVV2	516857	882399	25.17%	2.098%
38	16.728	2237	2245	2255	rVB	77342	159662	4.55%	0.380%
39	16.869	2264	2269	2273	rBV	53437	88339	2.52%	0.210%
40	16.916	2273	2277	2285	rVB6	27014	62286	1.78%	0.148%
41	17.063	2293	2302	2307	rBV2	188621	445931	12.72%	1.060%
42	17.116	2307	2311	2317	rVB2	128040	200129	5.71%	0.476%
43	17.216	2323	2328	2333	rVB3	104422	171940	4.90%	0.409%
44	17.298	2333	2342	2344	rVV3	52761	148738	4.24%	0.354%
45	17.334	2345	2348	2356	rVV4	57324	121808	3.47%	0.290%
46	17.422	2358	2363	2370	rVV6	48189	110767	3.16%	0.263%
47	17.492	2370	2375	2382	rVV4	44882	112483	3.21%	0.267%
48	17.586	2385	2391	2403	rVB	193915	344596	9.83%	0.819%
49	17.768	2416	2422	2425	rBV	184729	311760	8.89%	0.741%
50	17.821	2425	2431	2437	rVV	2239352	3506080	100.00%	8.336%
51	17.903	2439	2445	2449	rVV	339986	527130	15.03%	1.253%
52	17.950	2449	2453	2458	rVV3	93818	188841	5.39%	0.449%
53	18.033	2463	2467	2477	rVV5	43267	133430	3.81%	0.317%
54	18.162	2484	2489	2504	rBV5	63581	190996	5.45%	0.454%
55	18.280	2504	2509	2513	rBV	78492	107853	3.08%	0.256%
56	18.344	2516	2520	2525	rVB2	130868	181644	5.18%	0.432%
57	18.491	2539	2545	2551	rVB	96123	181448	5.18%	0.431%
58	18.638	2561	2570	2574	rBV	603506	1023937	29.20%	2.434%
59	18.685	2574	2578	2584	rVB	732043	1043754	29.77%	2.481%
60	18.761	2585	2591	2596	rBV	171458	275284	7.85%	0.654%
61	18.832	2596	2603	2606	rVV2	598682	1250095	35.66%	2.972%
62	18.861	2606	2608	2616	rVB	431242	588263	16.78%	1.399%
63	19.120	2647	2652	2656	rVV	272671	379472	10.82%	0.902%
64	19.167	2656	2660	2668	rVB3	63131	144827	4.13%	0.344%
65	19.355	2685	2692	2697	rBV2	126803	236669	6.75%	0.563%
66	19.408	2697	2701	2705	rVV	158433	199072	5.68%	0.473%
67	19.449	2705	2708	2712	rVB	117312	141139	4.03%	0.336%
68	19.531	2716	2722	2727	rBV	343654	596352	17.01%	1.418%
69	19.596	2727	2733	2741	rVB2	174363	521417	14.87%	1.240%
70	19.666	2741	2745	2748	rBV	100025	180594	5.15%	0.429%
71	19.801	2760	2768	2773	rBV	1368372	2101880	59.95%	4.997%
72	19.848	2773	2776	2779	rVV	82041	100412	2.86%	0.239%
73	19.884	2779	2782	2787	rVB2	110498	150039	4.28%	0.357%
74	19.942	2788	2792	2795	rBV	56637	85544	2.44%	0.203%
75	20.036	2802	2808	2818	rVB3	65179	165643	4.72%	0.394%
76	20.160	2824	2829	2835	rVB	1660335	2499229	71.28%	5.942%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022223\
Data File : BG056700.D
Acq On : 22 Feb 2023 16:36
Operator : CG/JU
Sample : 01640-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-2

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-BG021523.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	20.213	2835	2838	2843	rVB	131230	187618	5.35%	0.446%
78	20.336	2845	2859	2863	rBV	855524	1308880	37.33%	3.112%
79	20.377	2863	2866	2874	rVB2	58889	114426	3.26%	0.272%
80	20.477	2874	2883	2889	rBV3	190124	460636	13.14%	1.095%
81	20.636	2901	2910	2918	rVB	390691	820936	23.41%	1.952%
82	20.735	2919	2927	2931	rBV	342546	526965	15.03%	1.253%
83	20.800	2932	2938	2942	rVV	235544	339209	9.67%	0.806%
84	20.941	2957	2962	2966	rBV	222176	319378	9.11%	0.759%
85	20.988	2966	2970	2980	rVB	245765	397082	11.33%	0.944%
86	21.247	3010	3014	3017	rBV2	56131	88309	2.52%	0.210%
87	21.382	3033	3037	3042	rBV2	53393	123658	3.53%	0.294%
88	21.646	3076	3082	3085	rBV3	108480	249675	7.12%	0.594%
89	21.728	3092	3096	3100	rBV3	93864	143197	4.08%	0.340%
90	22.063	3147	3153	3161	rBV2	557937	1380988	39.39%	3.283%
91	22.134	3161	3165	3177	rVB	530716	984625	28.08%	2.341%
92	22.304	3189	3194	3198	rBV2	79155	140194	4.00%	0.333%
93	22.874	3282	3291	3297	rBV	152611	385546	11.00%	0.917%
94	22.950	3300	3304	3310	rVB	114579	232975	6.64%	0.554%
95	23.174	3338	3342	3347	rBV2	72046	135838	3.87%	0.323%
96	24.496	3559	3567	3576	rBV2	210758	810904	23.13%	1.928%
97	24.778	3611	3615	3624	rVB2	51752	123611	3.53%	0.294%
98	25.301	3697	3704	3715	rVB	151320	460775	13.14%	1.095%
99	25.465	3722	3732	3746	rVB	272977	844960	24.10%	2.009%
100	25.630	3753	3760	3767	rBV	74322	191252	5.45%	0.455%

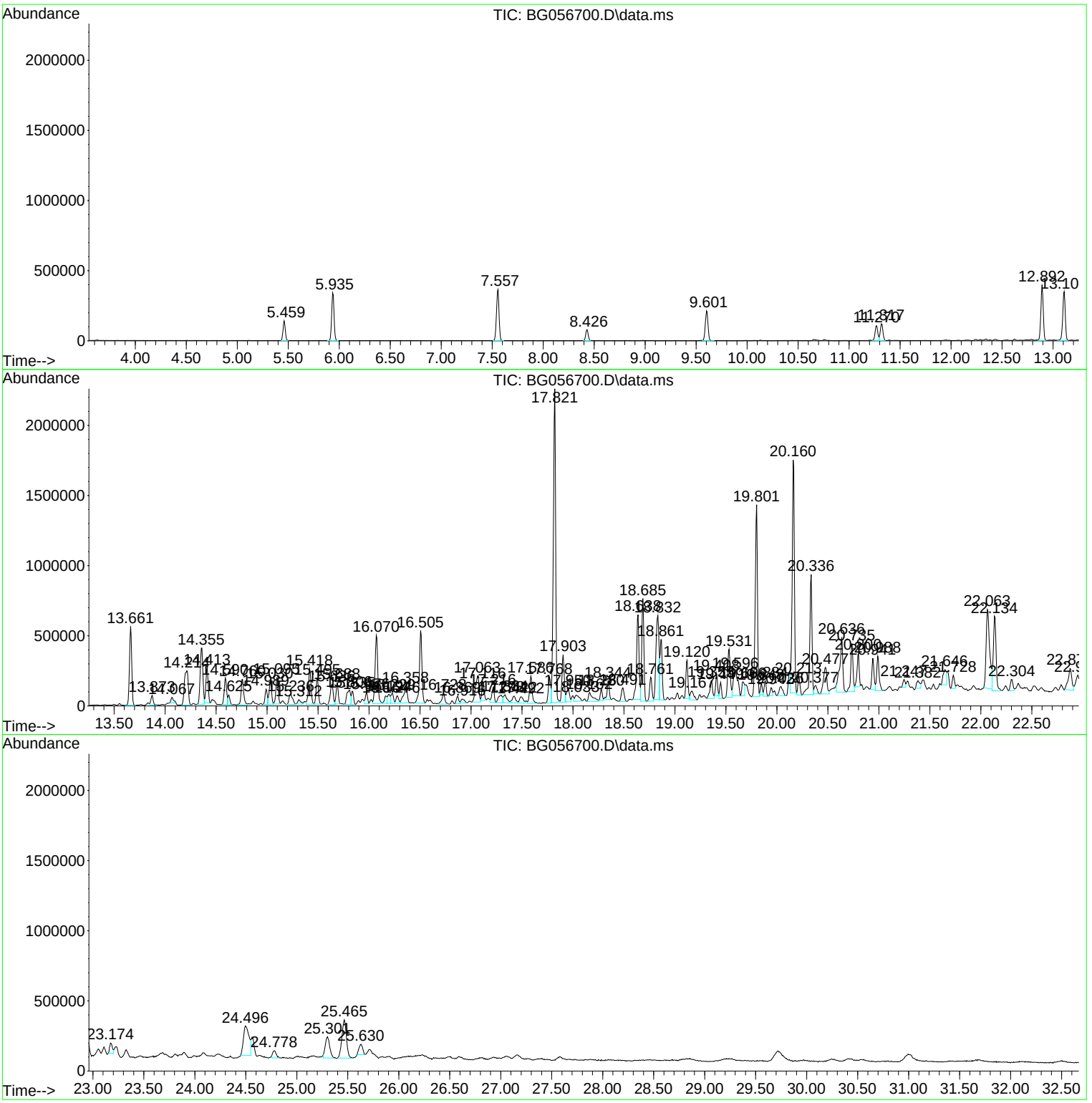
Sum of corrected areas: 42061876

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022223\
Data File : BG056700.D
Acq On : 22 Feb 2023 16:36
Operator : CG/JU
Sample : 01640-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.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\BG022223\
Data File : BG056700.D
Acq On : 22 Feb 2023 16:36
Operator : CG/JU
Sample : 01640-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-2

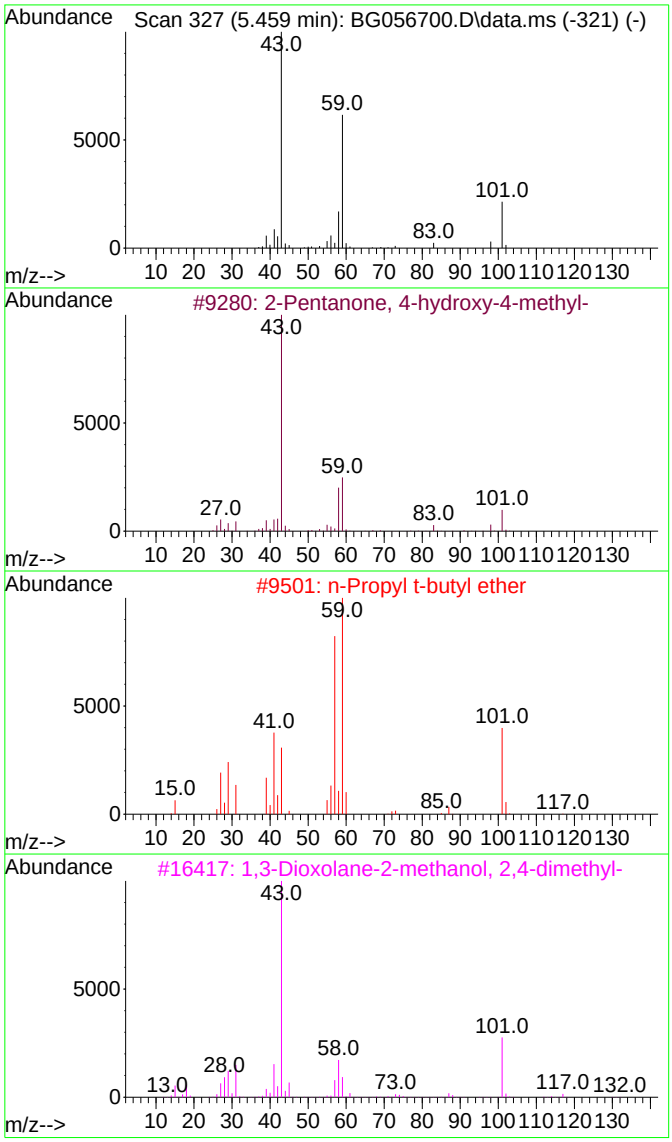
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

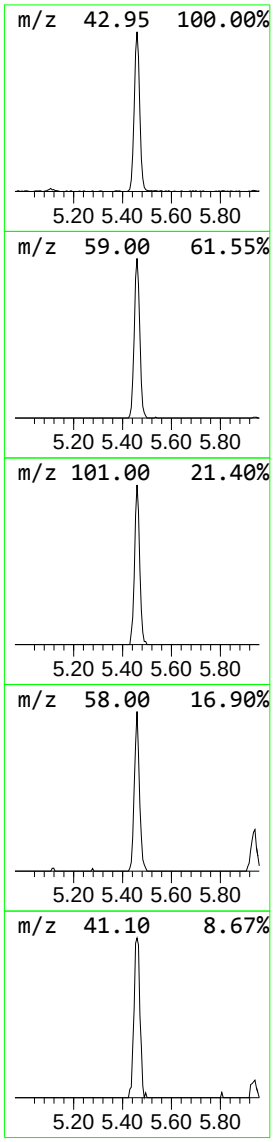
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.459	33.48 ng	215261	1,4-Dichlorobenzene-d4	8.432

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	n-Propyl t-butyl ether	116	C7H16O	1000334-81-9	33
3	1,3-Dioxolane-2-methanol, 2,4-di...	132	C6H12O3	053951-43-2	25
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
5	Propane, 2-ethoxy-2-methyl-	102	C6H14O	000637-92-3	17





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022223\
Data File : BG056700.D
Acq On : 22 Feb 2023 16:36
Operator : CG/JU
Sample : 01640-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-2

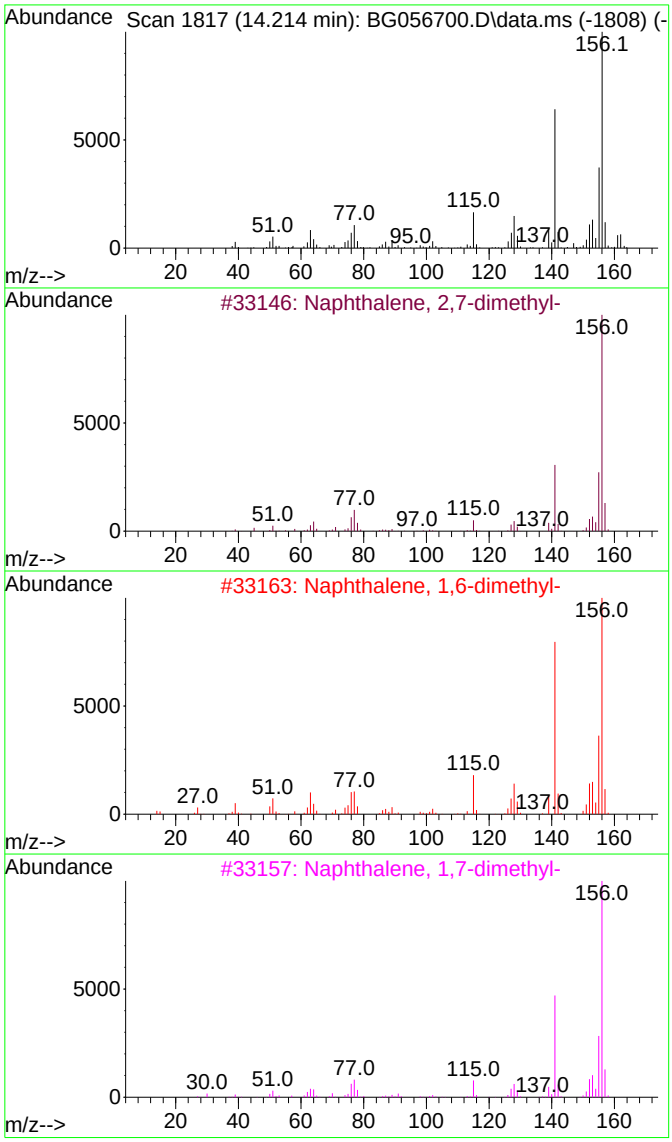
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

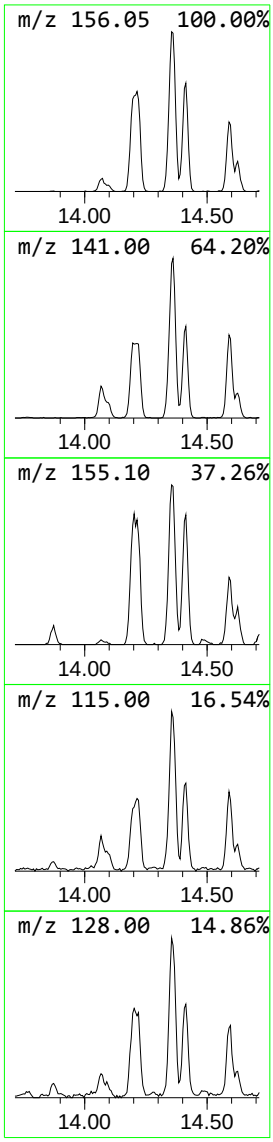
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Naphthalene, 2,7-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.214	47.44 ng	636090	Acenaphthene-d10	15.030

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022223\
Data File : BG056700.D
Acq On : 22 Feb 2023 16:36
Operator : CG/JU
Sample : 01640-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

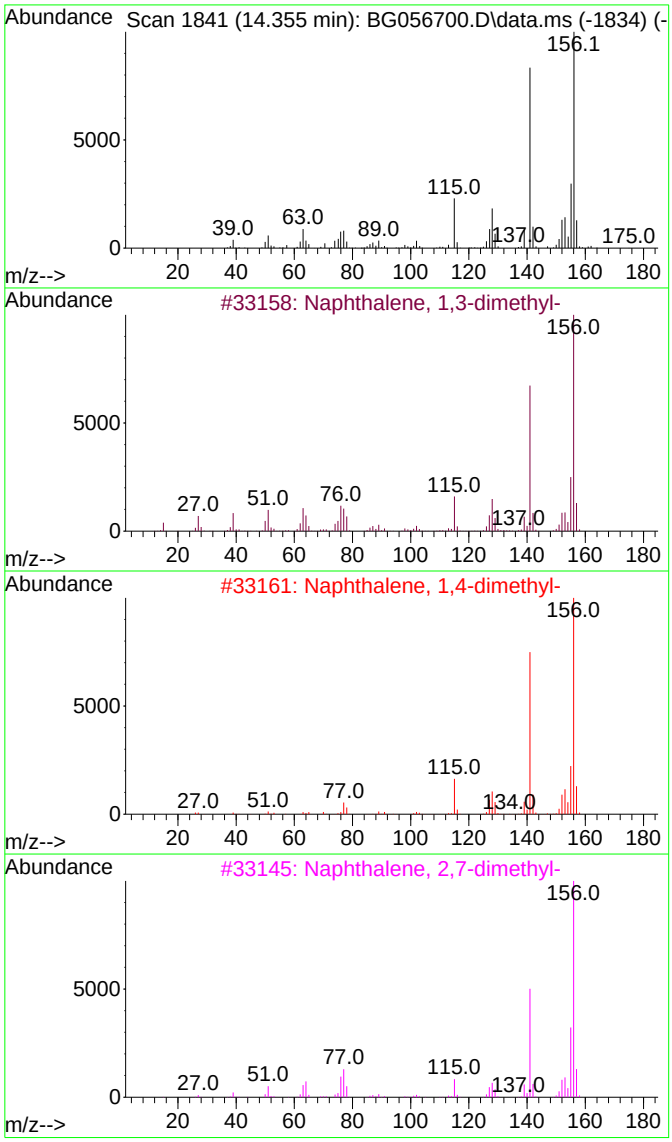
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

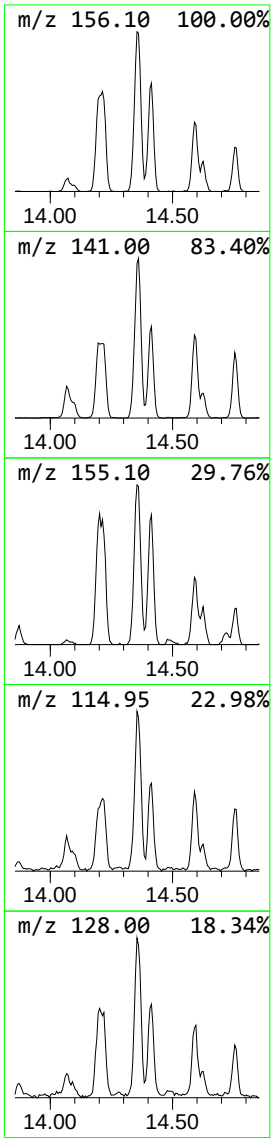
****

Peak Number 3 Naphthalene, 1,3-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.355	55.30 ng	741516	Acenaphthene-d10	15.030

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022223\
Data File : BG056700.D
Acq On : 22 Feb 2023 16:36
Operator : CG/JU
Sample : 01640-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

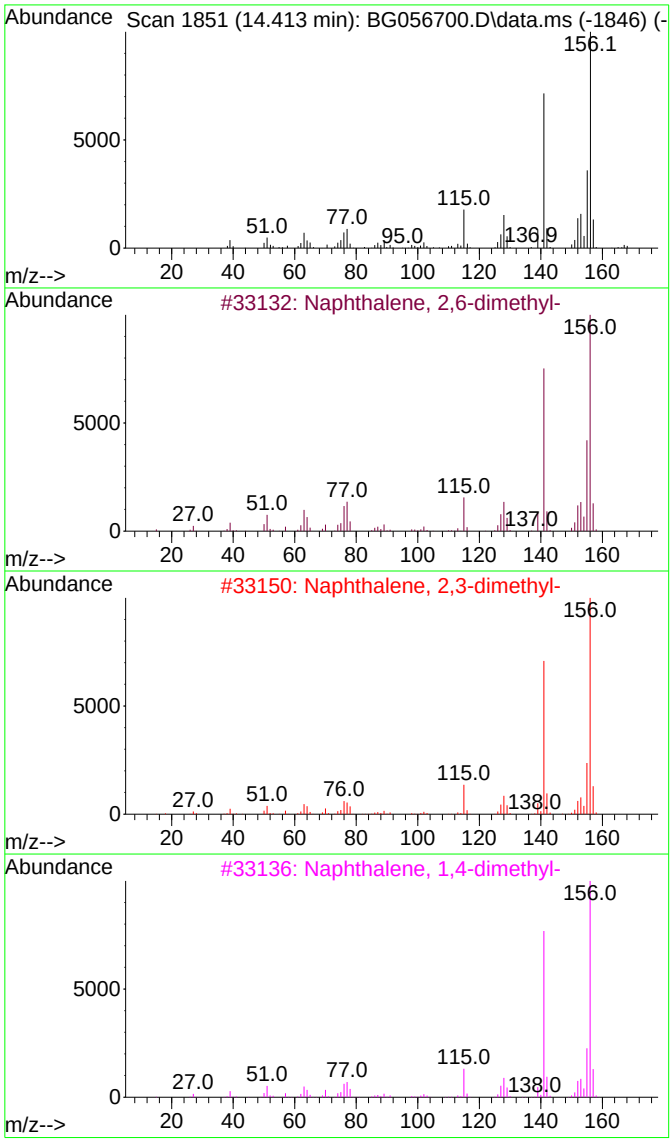
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

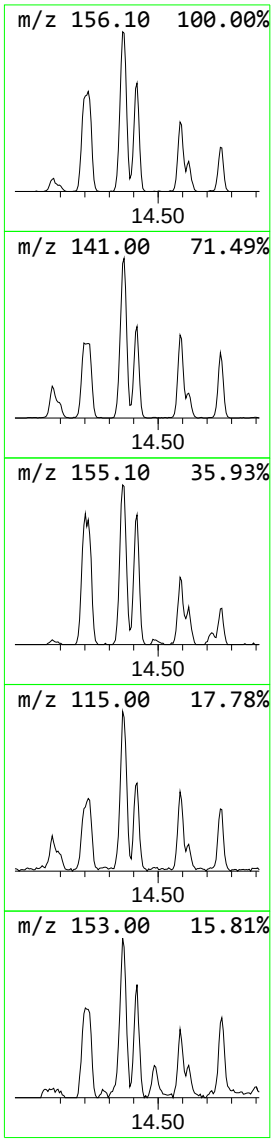
****

Peak Number 4 Naphthalene, 2,6-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.413	28.45 ng	381441	Acenaphthene-d10	15.030

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022223\
Data File : BG056700.D
Acq On : 22 Feb 2023 16:36
Operator : CG/JU
Sample : 01640-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

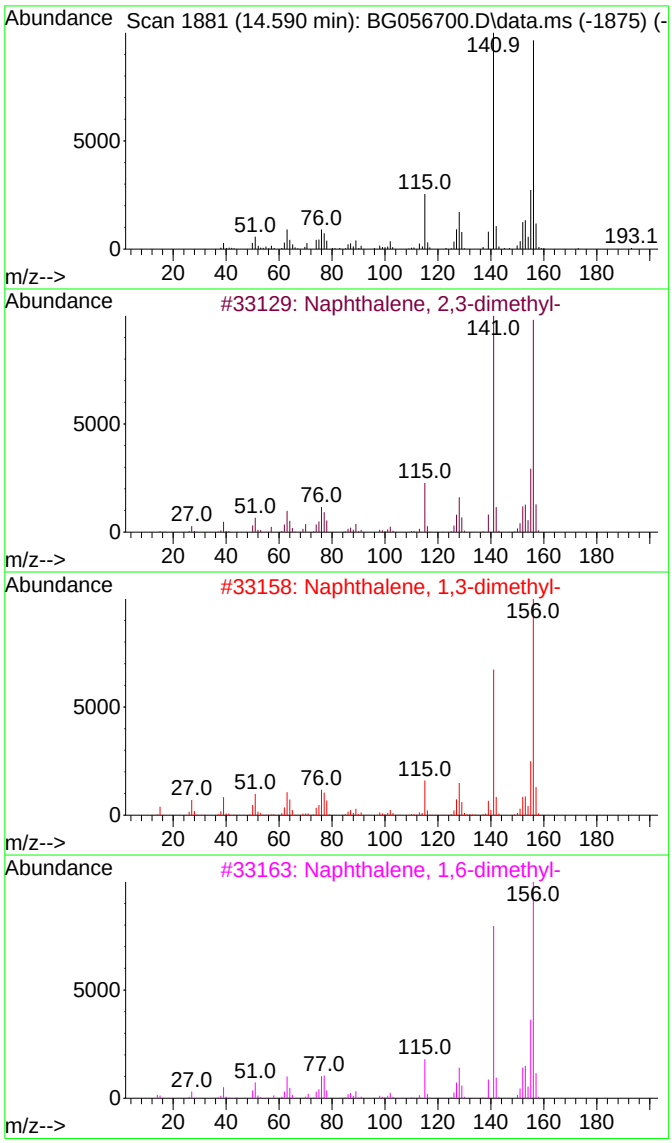
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

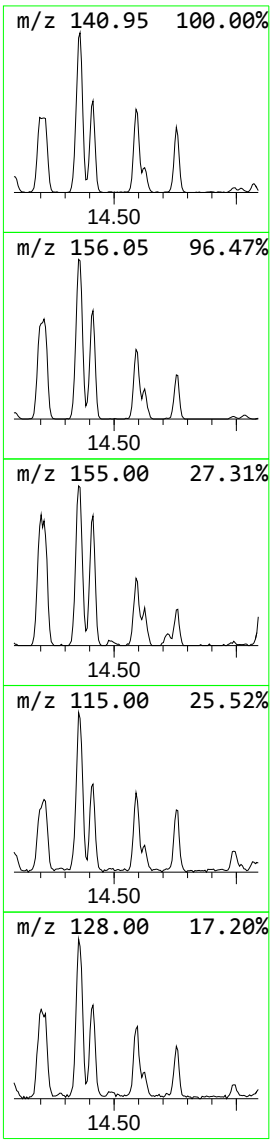
****

Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.590	23.59 ng	316344	Acenaphthene-d10	15.030

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96





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Data File : BG056700.D
Acq On : 22 Feb 2023 16:36
Operator : CG/JU
Sample : 01640-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

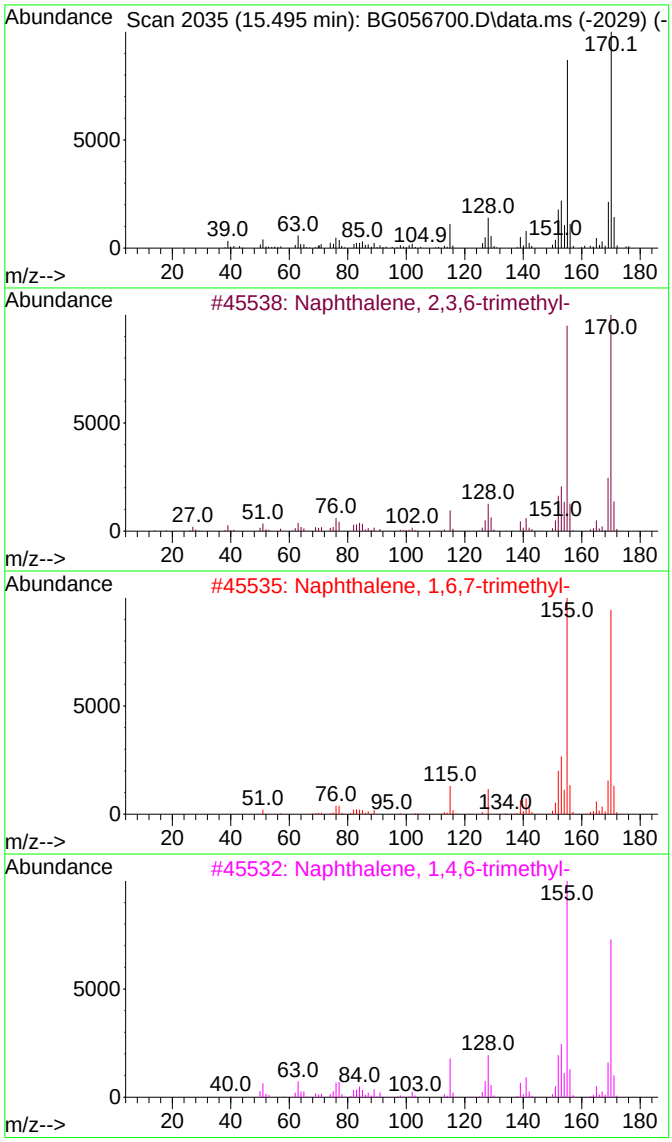
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

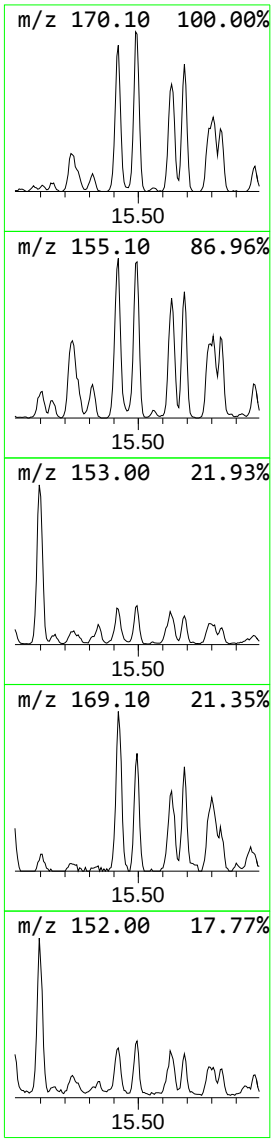
****

Peak Number 6 Naphthalene, 2,3,6-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.495	22.10 ng	296290	Acenaphthene-d10	15.030

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	93
5	1-(2,2-Dimethylcyclopropyl)-2-ph...	170	C13H14	1000294-91-1	90





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Sample : 01640-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

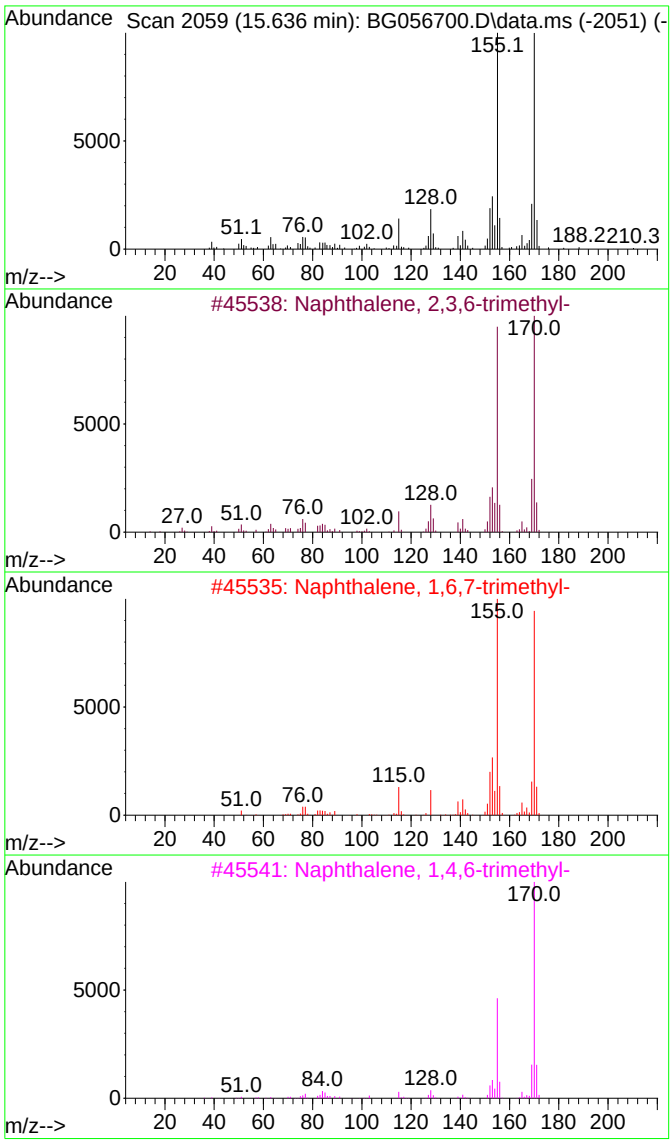
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

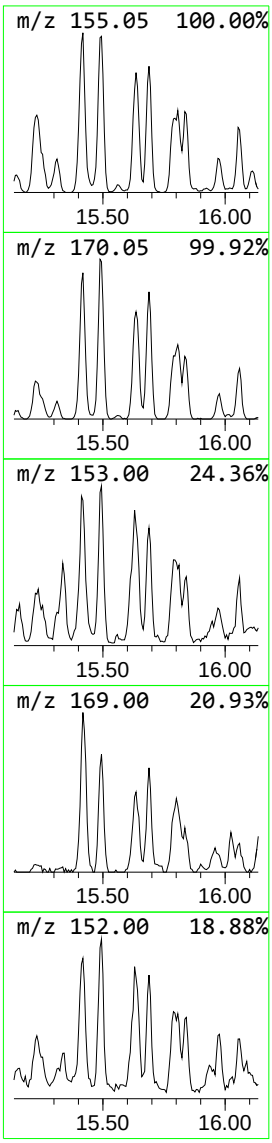
****

Peak Number 7 Naphthalene, 1,6,7-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.636	21.40 ng	286926	Acenaphthene-d10	15.030

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
4	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	94
5	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	94





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Operator : CG/JU
Sample : 01640-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-2

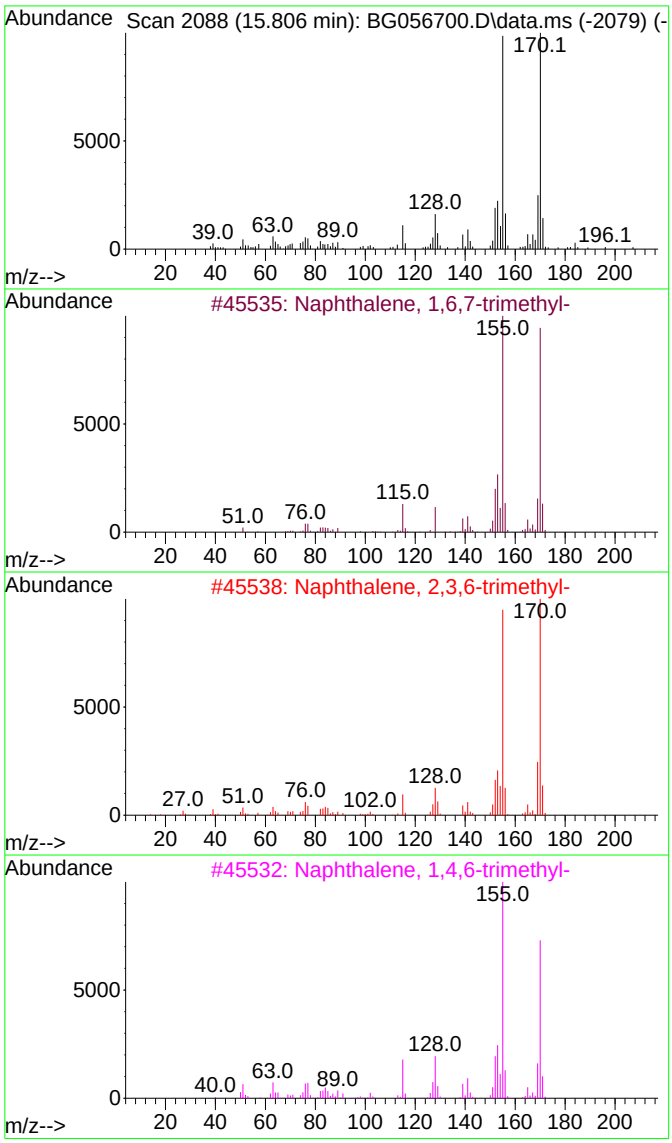
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

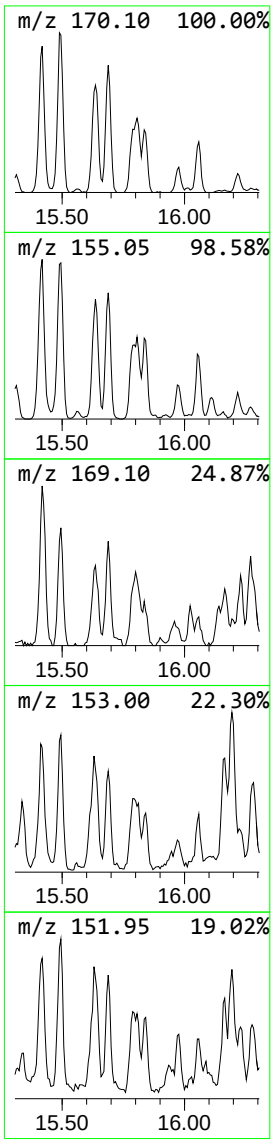
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Naphthalene, 1,4,6-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.806	19.88 ng	266591	Acenaphthene-d10	15.030

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	93
5	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	91





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Operator : CG/JU
Sample : 01640-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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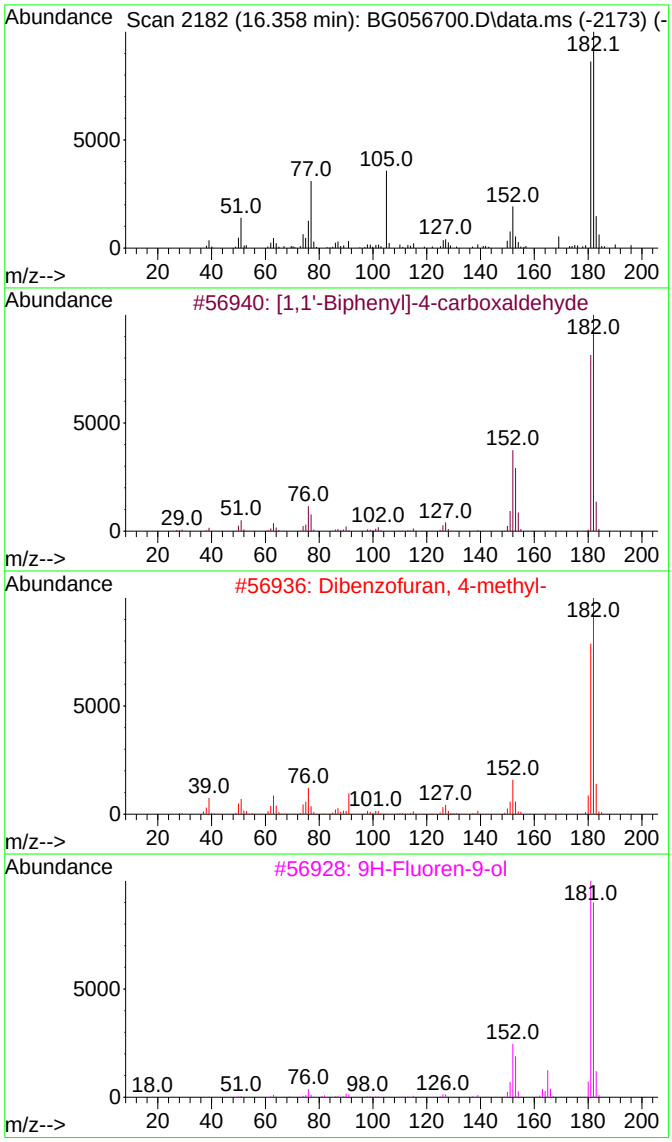
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

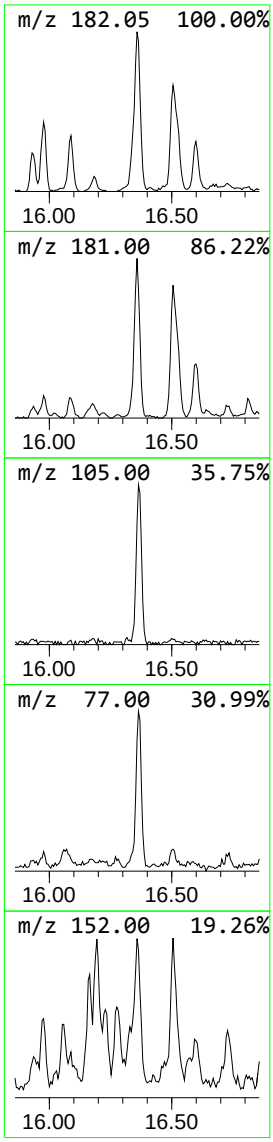
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.358	22.08 ng	296038	Acenaphthene-d10	15.030

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	86
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	81
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	59
4	8-Methyl-5H-pyrido[4,3-b]indole	182	C12H10N2	088894-13-7	58
5	2-Hydroxyfluorene	182	C13H10O	002443-58-5	53





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Sample : 01640-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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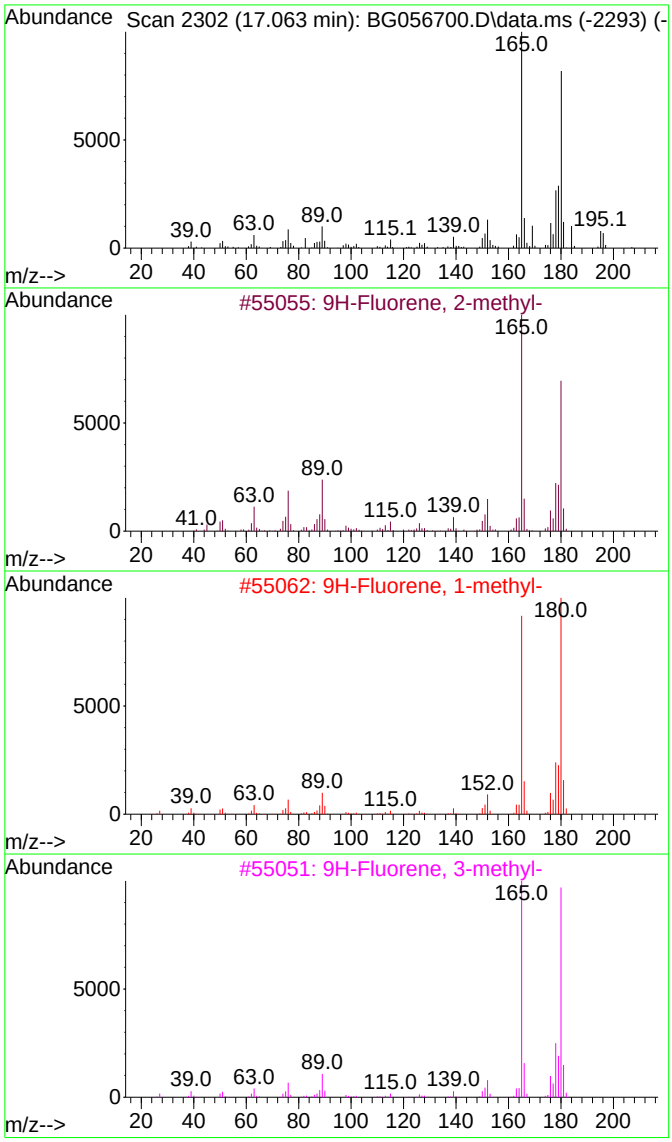
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

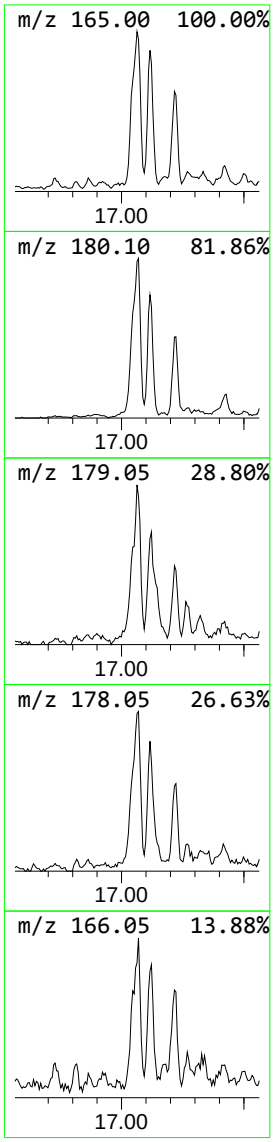
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 9H-Fluorene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.063	28.61 ng	445931	Phenanthrene-d10	17.768

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	93
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	86





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Sample : 01640-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.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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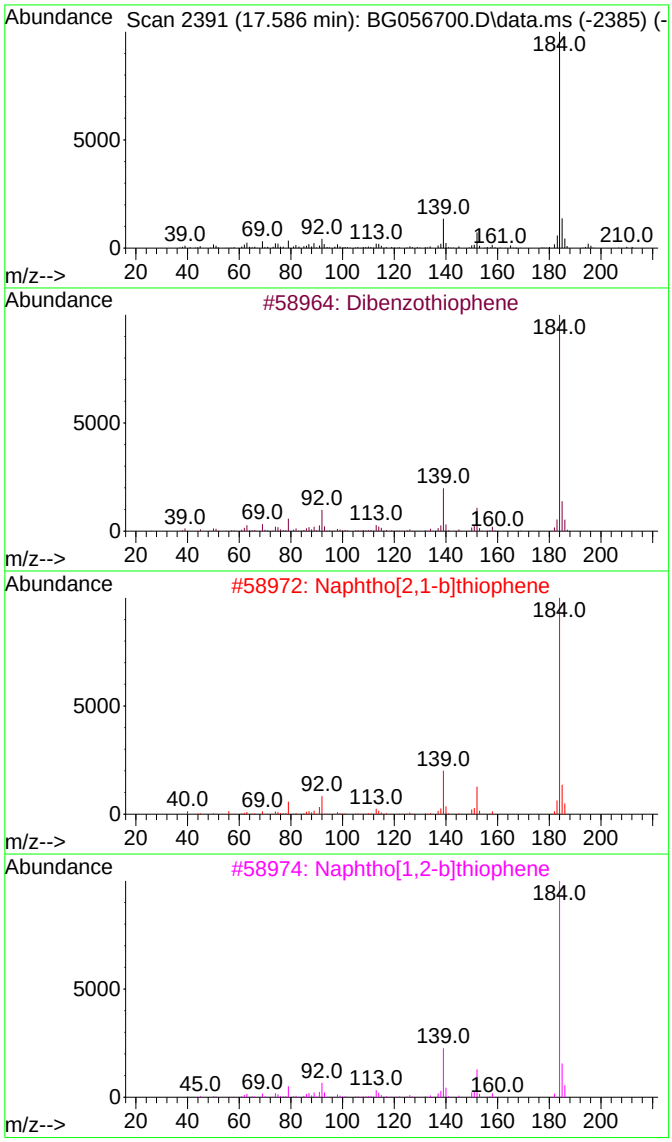
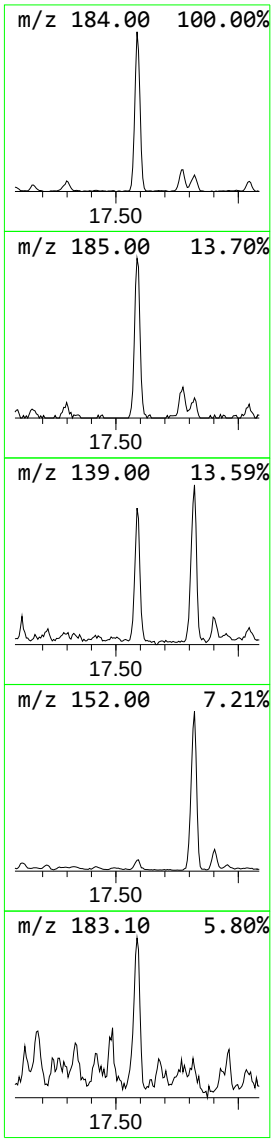
Peak Number 11 Dibenzothiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.586	22.11 ng	344596	Phenanthrene-d10	17.768

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





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Operator : CG/JU
Sample : 01640-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

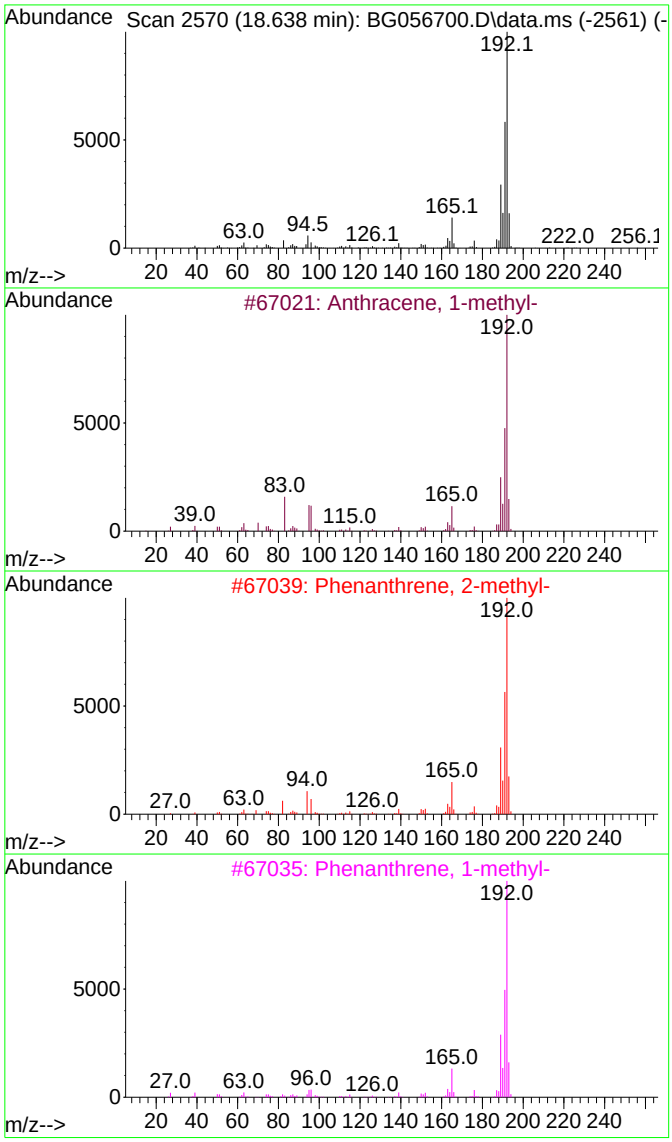
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

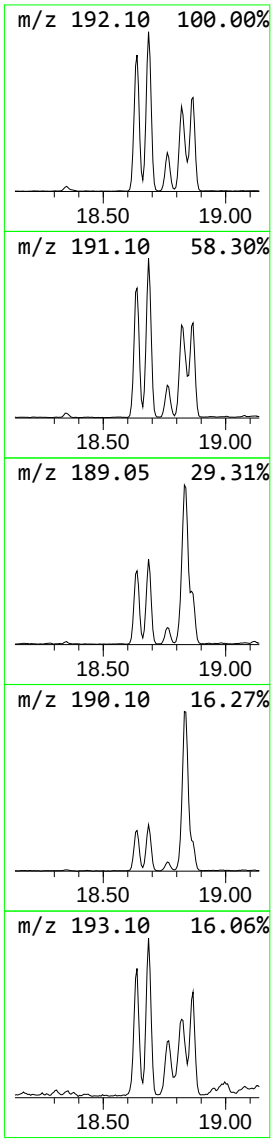
****

Peak Number 12 Anthracene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.638	65.69 ng	1023940	Phenanthrene-d10	17.768

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





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Acq On : 22 Feb 2023 16:36
Operator : CG/JU
Sample : 01640-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

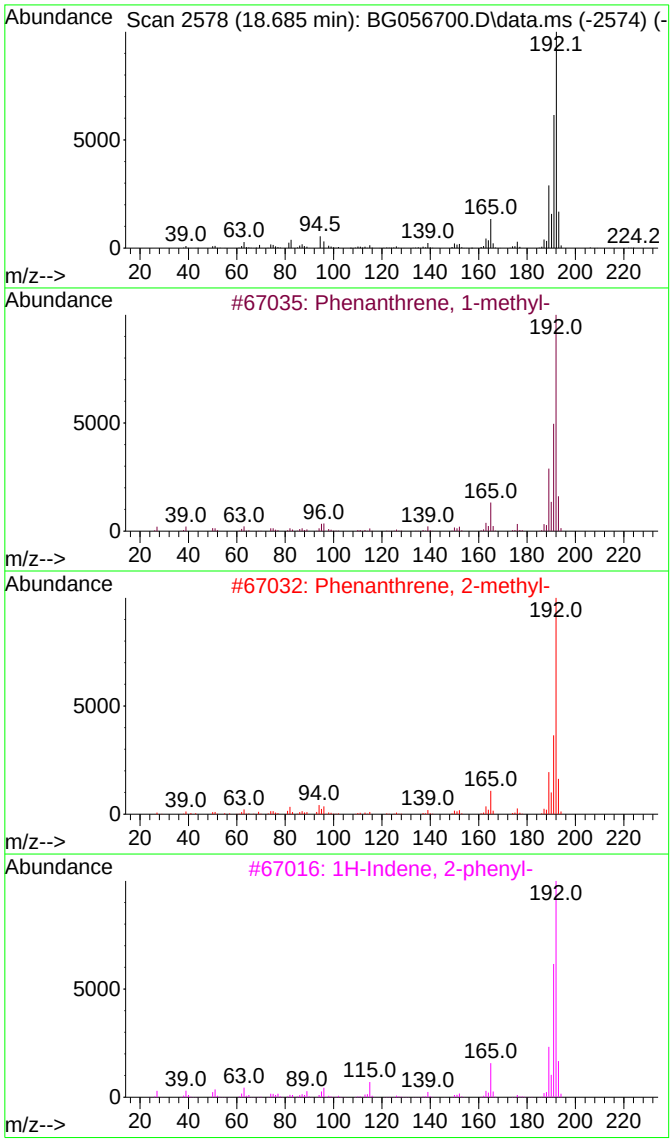
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

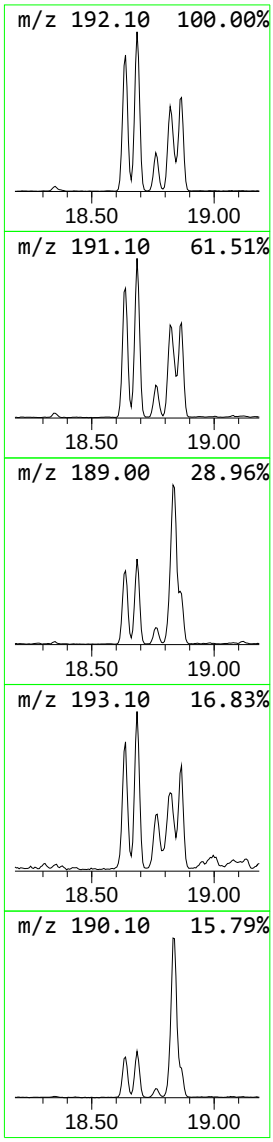
****

Peak Number 13 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.685	66.96 ng	1043750	Phenanthrene-d10	17.768

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94





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Sample : 01640-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

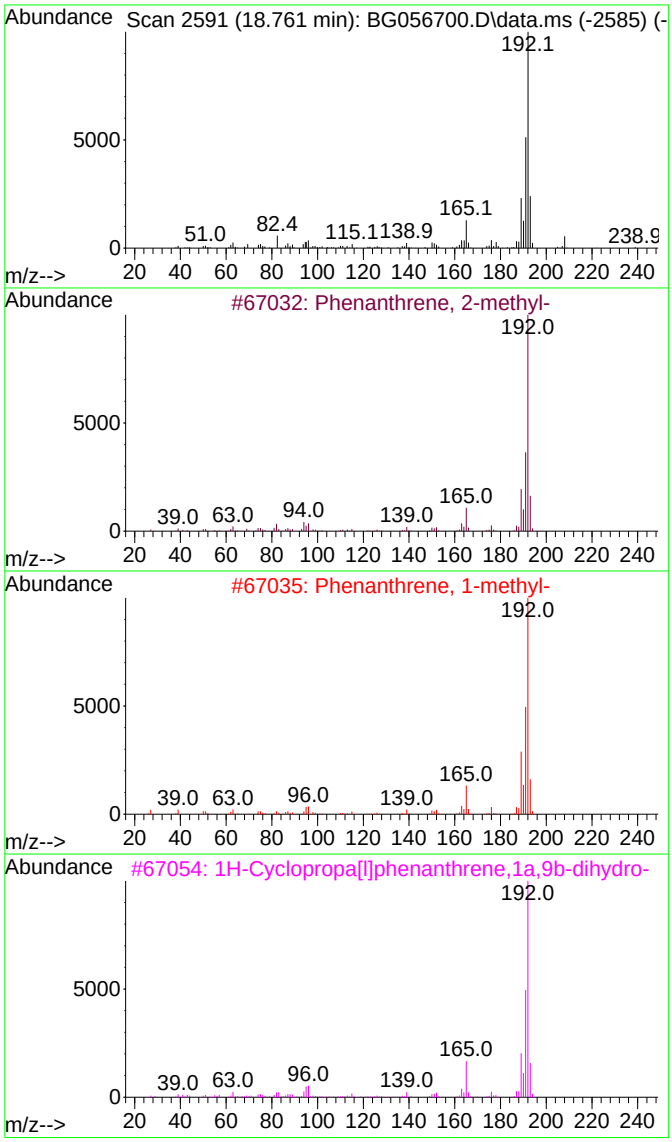
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

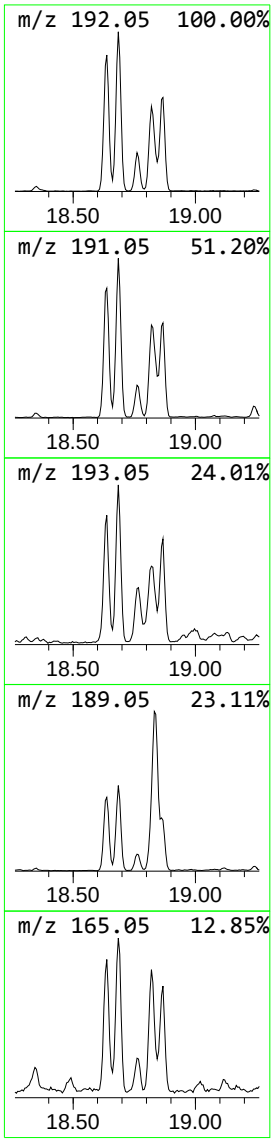
****

Peak Number 14 Phenanthrene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.761	17.66 ng	275284	Phenanthrene-d10	17.768

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





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ALS Vial : 9 Sample Multiplier: 1

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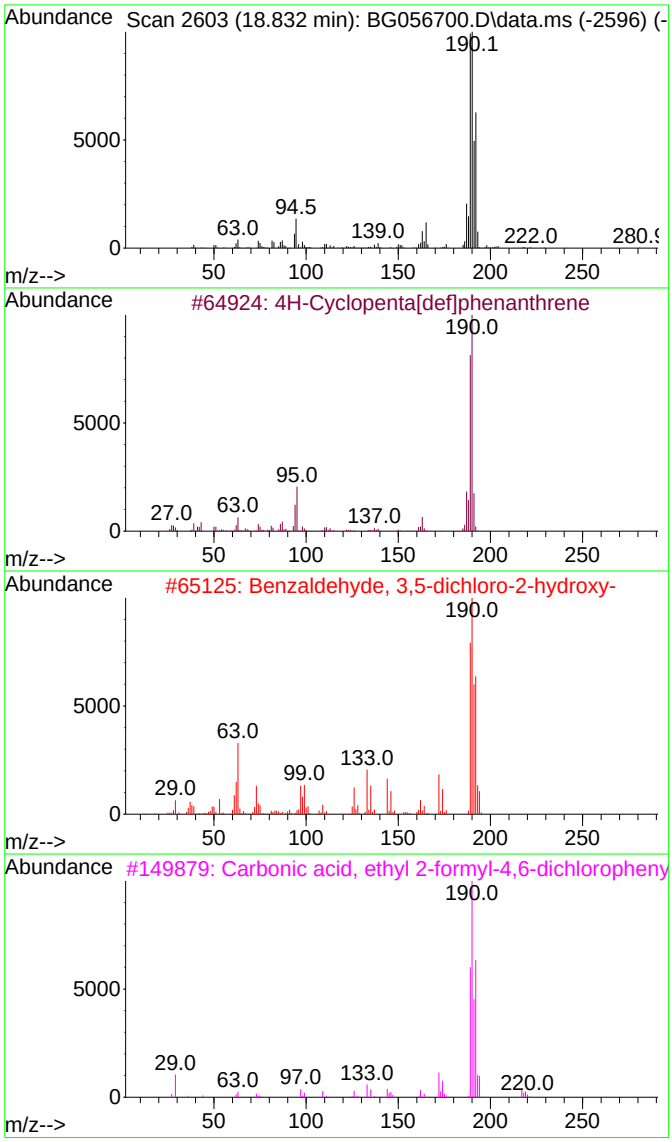
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

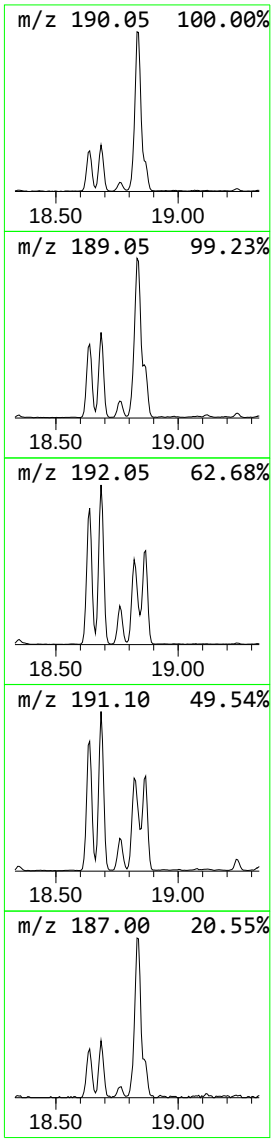
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.832	80.20 ng	1250100	Phenanthrene-d10	17.768

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	91
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	40
3	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	40
4	2-Amino-4,6-dichloropyrimidine-5...	191	C5H3Cl2N3O	005604-46-6	38
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	22





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ALS Vial : 9 Sample Multiplier: 1

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BNA_G
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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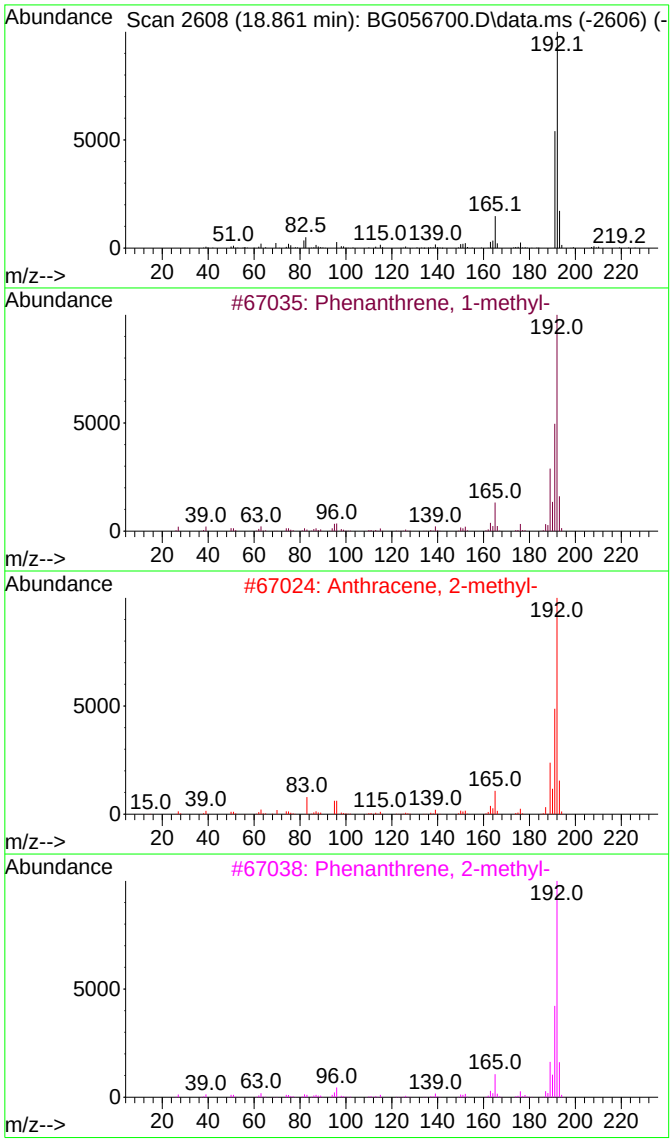
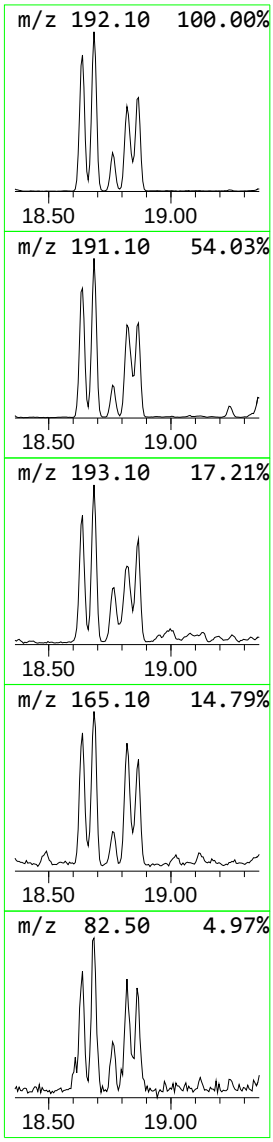
Peak Number 16 Anthracene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.861	37.74 ng	588263	Phenanthrene-d10	17.768

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91





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Acq On : 22 Feb 2023 16:36
Operator : CG/JU
Sample : 01640-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-2

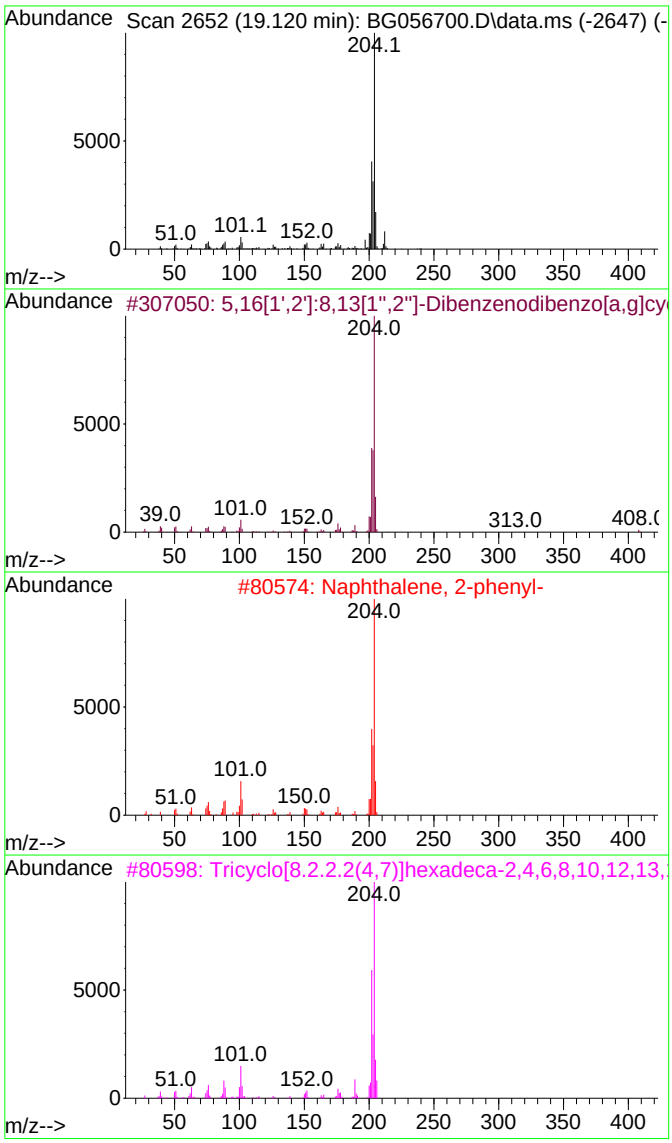
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

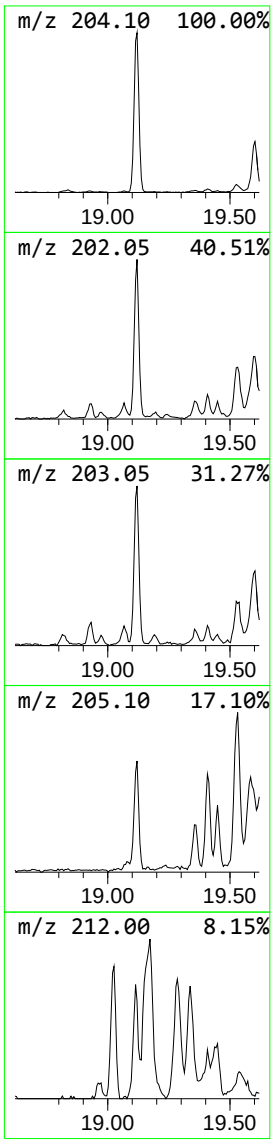
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.120	24.34 ng	379472	Phenanthrene-d10	17.768

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	47
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022223\
Data File : BG056700.D
Acq On : 22 Feb 2023 16:36
Operator : CG/JU
Sample : 01640-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.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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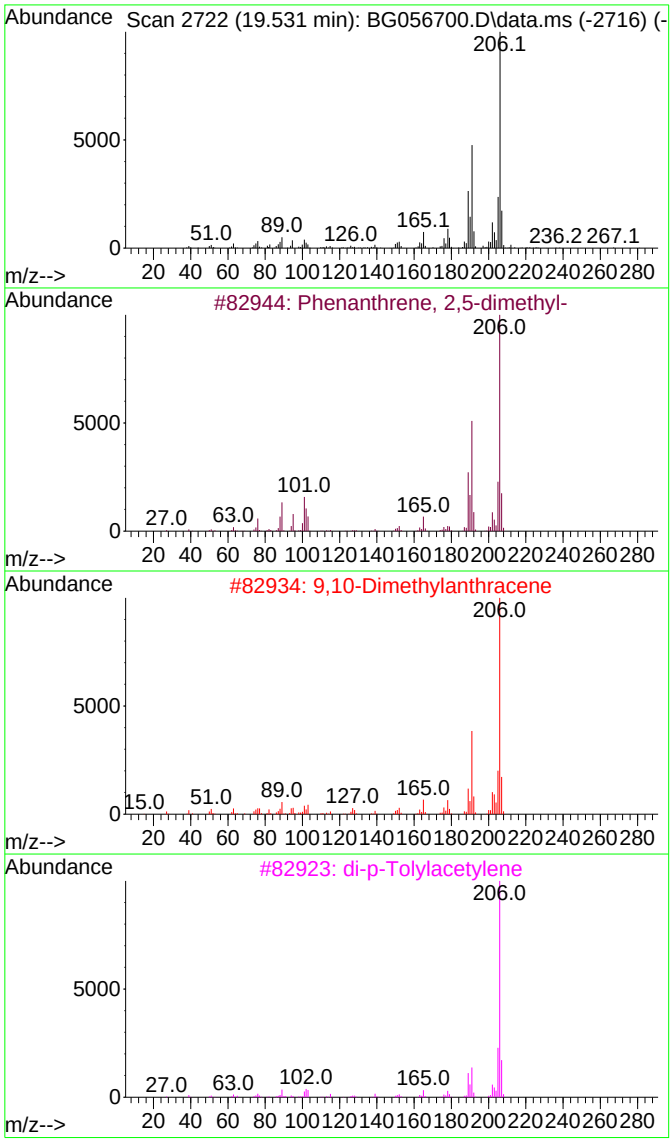
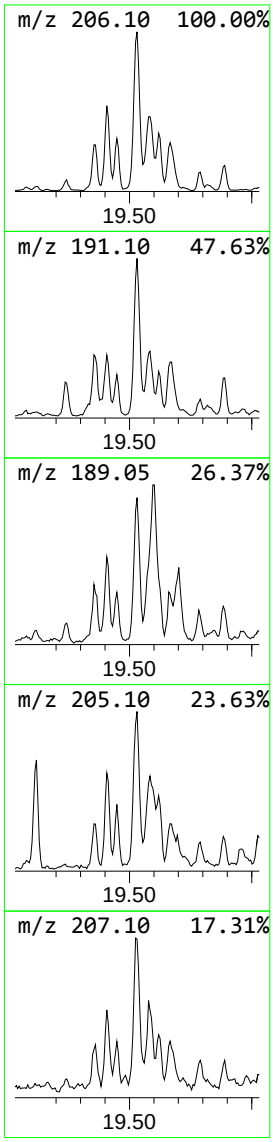
Peak Number 18 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.531	38.26 ng	596352	Phenanthrene-d10	17.768

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022223\
Data File : BG056700.D
Acq On : 22 Feb 2023 16:36
Operator : CG/JU
Sample : 01640-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.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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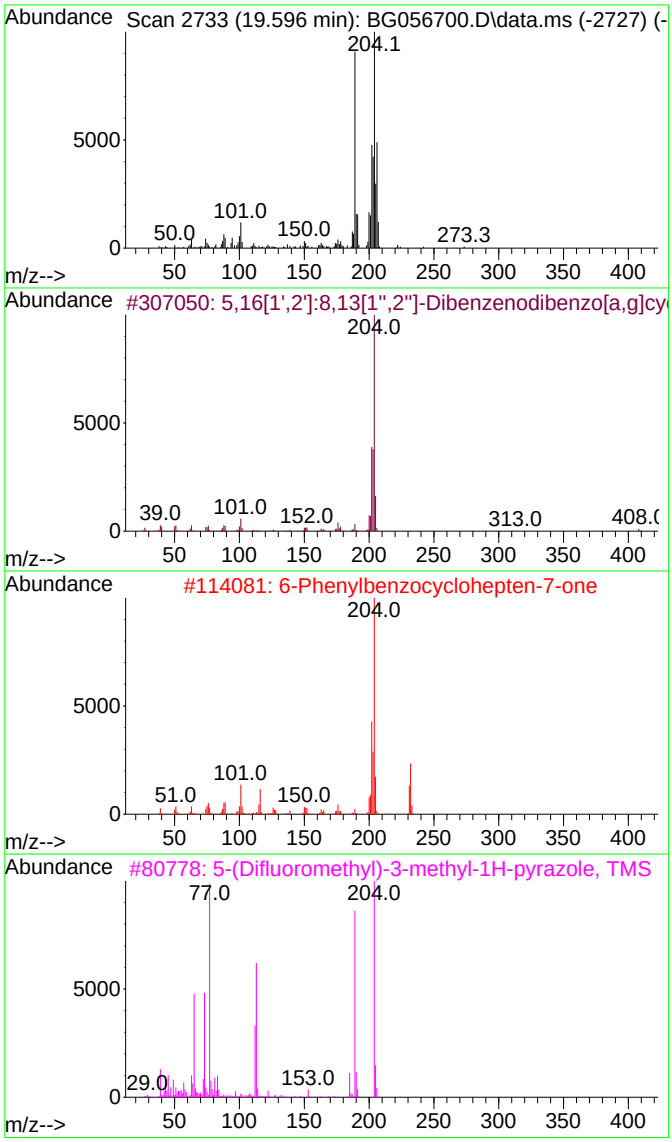
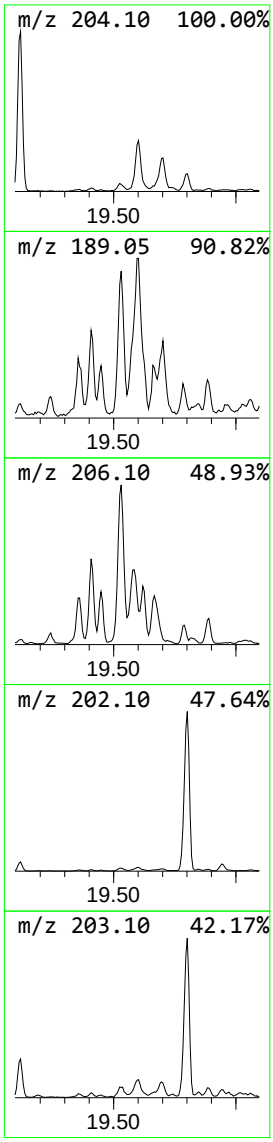
Peak Number 19 unknown19.596 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.596	33.45 ng	521417	Phenanthrene-d10	17.768

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	46
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	43
3	5-(Difluoromethyl)-3-methyl-1H-p...	204	C8H14F2N2Si	1000498-58-2	43
4	2-(4a,8-Dimethyl-2,3,4,5,6,7-hex...	222	C15H26O	1000411-50-0	35
5	3,5-Dichloro-2,4-dimethyl-1-meth...	204	C9H10Cl2O	1010250-17-8	35





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022223\
Data File : BG056700.D
Acq On : 22 Feb 2023 16:36
Operator : CG/JU
Sample : 01640-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.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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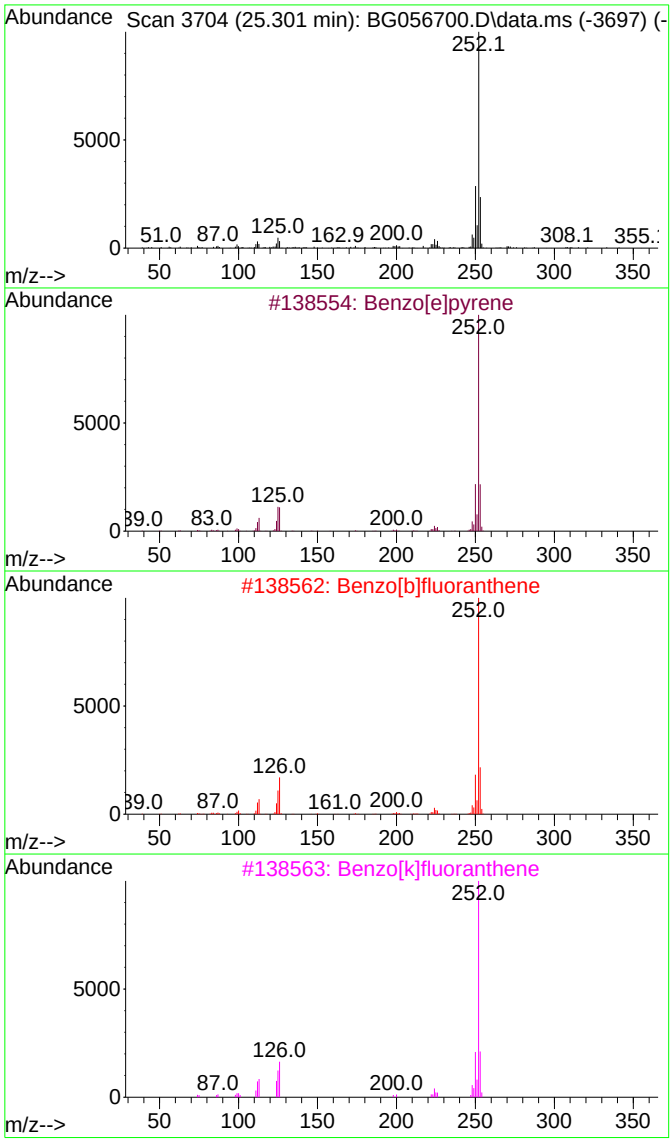
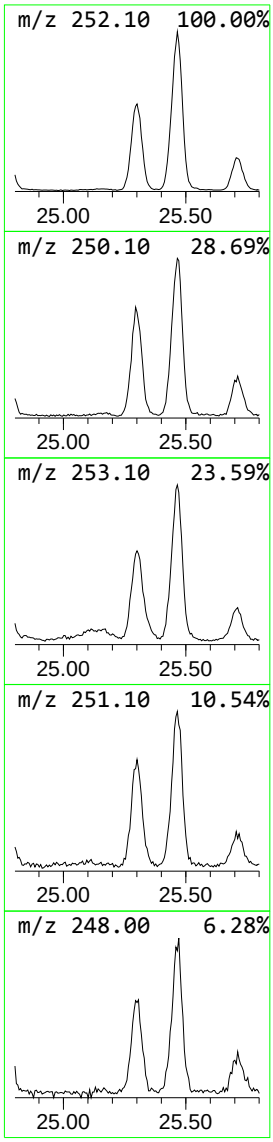
Peak Number 20 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.301	48.19 ng	460775	Perylene-d12	25.624

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	91
2	Benzo[b]fluoranthene	252	C20H12	000205-99-2	81
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	81
4	Benzo[a]pyrene	252	C20H12	000050-32-8	81
5	Perylene	252	C20H12	000198-55-0	74





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022223\
Data File : BG056700.D
Acq On : 22 Feb 2023 16:36
Operator : CG/JU
Sample : 01640-02
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG021523.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-...	5.459	33.5	ng	215261	1	8.432	128581	20.0
Naphthalene, 2,...	14.214	47.4	ng	636090	3	15.030	268157	20.0
Naphthalene, 1,...	14.355	55.3	ng	741516	3	15.030	268157	20.0
Naphthalene, 2,...	14.413	28.4	ng	381441	3	15.030	268157	20.0
Naphthalene, 2,...	14.590	23.6	ng	316344	3	15.030	268157	20.0
Naphthalene, 2,...	15.495	22.1	ng	296290	3	15.030	268157	20.0
Naphthalene, 1,...	15.636	21.4	ng	286926	3	15.030	268157	20.0
Naphthalene, 1,...	15.806	19.9	ng	266591	3	15.030	268157	20.0
[1,1'-Biphenyl]...	16.358	22.1	ng	296038	3	15.030	268157	20.0
9H-Fluorene, 2-...	17.063	28.6	ng	445931	4	17.768	311760	20.0
Dibenzothiophene	17.586	22.1	ng	344596	4	17.768	311760	20.0
Anthracene, 1-m...	18.638	65.7	ng	1023940	4	17.768	311760	20.0
Phenanthrene, 1...	18.685	67.0	ng	1043750	4	17.768	311760	20.0
Phenanthrene, 2...	18.761	17.7	ng	275284	4	17.768	311760	20.0
4H-Cyclopenta[d...	18.832	80.2	ng	1250100	4	17.768	311760	20.0
Anthracene, 2-m...	18.861	37.7	ng	588263	4	17.768	311760	20.0
5,16[1',2']:8,1...	19.120	24.3	ng	379472	4	17.768	311760	20.0
Phenanthrene, 2...	19.531	38.3	ng	596352	4	17.768	311760	20.0
unknown19.596	19.596	33.5	ng	521417	4	17.768	311760	20.0
Benzo[e]pyrene	25.301	48.2	ng	460775	6	25.624	191252	20.0