LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100821\
Data File : BG050529.D
Acq On : 9 Oct 2021 4:37
Operator : CG/JU
Sample : M4107-01 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OK-01-100621

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-BG100621.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG050529.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.797	384	393	402	rBV	91023	158950	1.56%	0.158%
2	7.395	657	665	673	rBV2	102409	187648	1.84%	0.187%
3	8.259	805	812	825	rVB	253387	437968	4.30%	0.436%
4	8.635	870	876	882	rBV	71698	121544	1.19%	0.121%
5	9.434	1005	1012	1024	rVB2	66801	170105	1.67%	0.169%
6	10.474	1178	1189	1198	rBV4	268831	602017	5.90%	0.600%
7	10.580	1202	1207	1216	rVB3	46853	122762	1.20%	0.122%
8	11.085	1286	1293	1297	rBV	312505	618071	6.06%	0.616%
9	11.138	1297	1302	1309	rVB	919927	1671255	16.39%	1.665%
10	12.719	1565	1571	1578	rVB	220112	376901	3.70%	0.375%
11	12.936	1599	1608	1618	rVB	178993	321248	3.15%	0.320%
12	13.500	1698	1704	1711	rVB	153530	238352	2.34%	0.237%
13	13.712	1736	1740	1750	rVB	70274	123417	1.21%	0.123%
14	13.911	1768	1774	1786	rVB	53202	113392	1.11%	0.113%
15	14.052	1786	1798	1806	rBV3	85054	237463	2.33%	0.237%
16	14.199	1814	1823	1828	rBV	124445	245347	2.41%	0.244%
17	14.252	1828	1832	1839	rVB	80649	127189	1.25%	0.127%
18	14.881	1934	1939	1944	rVV	480854	793662	7.78%	0.791%
19	14.939	1944	1949	1956	rVV	1135845	1868595	18.33%	1.861%
20	15.180	1980	1990	1996	rVV2	88356	180168	1.77%	0.179%
21	15.274	1998	2006	2013	rVV	405233	709086	6.95%	0.706%
22	15.921	2106	2116	2126	rBV	917791	1456356	14.28%	1.451%
23	16.015	2126	2132	2134	rBV2	58981	103992	1.02%	0.104%
24	16.044	2134	2137	2140	rVV2	100589	157265	1.54%	0.157%
25	16.079	2140	2143	2148	rVB2	145875	227152	2.23%	0.226%
26	16.167	2155	2158	2162	rBV	65706	107585	1.06%	0.107%
27	16.209	2162	2165	2173	rVB	137432	214766	2.11%	0.214%
28	16.355	2185	2190	2198	rVB	228659	417224	4.09%	0.416%
29	16.714	2246	2251	2257	rBV2	78215	129205	1.27%	0.129%
30	16.920	2273	2286	2290	rBV3	149178	380060	3.73%	0.379%
31	16.972	2290	2295	2300	rVB2	68318	118065	1.16%	0.118%
32	17.072	2306	2312	2316	rVB3	66307	121117	1.19%	0.121%
33	17.143	2316	2324	2327	rBV4	51688	142647	1.40%	0.142%
34	17.184	2328	2331	2339	rVB3	64260	112871	1.11%	0.112%
35	17.343	2353	2358	2360	rBV2	99225	140620	1.38%	0.140%
36	17.442	2370	2375	2382	rVB	315463	510174	5.00%	0.508%

LSC Area Percent Report

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Acq On : 9 Oct 2021 4:37
Operator : CG/JU
Sample : M4107-01 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OK-01-100621

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-BG100621.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	17.625	2399	2406	2408	rBV	494657	778846	7.64%	0.776%
38	17.677	2408	2415	2420	rVV	4677244	8078578	79.23%	8.047%
39	17.760	2420	2429	2434	rVV	1260126	2091796	20.52%	2.084%
40	17.813	2434	2438	2447	rVB	169060	283658	2.78%	0.283%
41	18.024	2462	2474	2481	rBV2	853022	1636598	16.05%	1.630%
42	18.136	2489	2493	2496	rBV	80881	105249	1.03%	0.105%
43	18.347	2524	2529	2536	rVB	57618	123740	1.21%	0.123%
44	18.494	2544	2554	2558	rBV	498372	796506	7.81%	0.793%
45	18.541	2558	2562	2568	rVB	718510	1124655	11.03%	1.120%
46	18.623	2568	2576	2581	rBV	271457	495627	4.86%	0.494%
47	18.694	2581	2588	2592	rBV	1020384	1937560	19.00%	1.930%
48	18.788	2598	2604	2607	rVB3	68246	116431	1.14%	0.116%
49	18.829	2607	2611	2615	rBV2	92135	126474	1.24%	0.126%
50	18.982	2632	2637	2642	rBV	399929	585278	5.74%	0.583%
51	19.223	2675	2678	2682	rVB2	92782	122122	1.20%	0.122%
52	19.311	2690	2693	2697	rVB2	81012	106602	1.05%	0.106%
53	19.393	2701	2707	2713	rBV2	207720	424335	4.16%	0.423%
54	19.540	2728	2732	2740	rBV4	60864	146642	1.44%	0.146%
55	19.675	2746	2755	2760	rBV	5564669	9513942	93.31%	9.476%
56	19.757	2765	2769	2773	rVB	155778	216000	2.12%	0.215%
57	19.904	2787	2794	2803	rVB2	226681	537763	5.27%	0.536%
58	20.034	2804	2816	2822	rBV3	4477426	10195868	100.00%	10.156%
59	20.086	2822	2825	2832	rVB	290568	429793	4.22%	0.428%
60	20.198	2839	2844	2850	rBV2	466815	752828	7.38%	0.750%
61	20.263	2850	2855	2860	rVB	429374	645504	6.33%	0.643%
62	20.333	2862	2867	2874	rBV5	328200	831484	8.16%	0.828%
63	20.398	2874	2878	2883	rVB	207495	270903	2.66%	0.270%
64	20.468	2884	2890	2892	rVV2	227597	470329	4.61%	0.468%
65	20.509	2893	2897	2902	rVV	1227996	1861920	18.26%	1.855%
66	20.609	2909	2914	2918	rVV	1402400	2044658	20.05%	2.037%
67	20.668	2918	2924	2927	rVV4	456874	988015	9.69%	0.984%
68	20.703	2927	2930	2934	rVV	449008	642490	6.30%	0.640%
69	20.744	2934	2937	2941	rVV3	136010	210310	2.06%	0.209%
70	20.809	2944	2948	2952	rVV	244274	364255	3.57%	0.363%
71	20.856	2952	2956	2965	rVB	255032	452801	4.44%	0.451%
72	21.038	2984	2987	2991	rBV	114555	159850	1.57%	0.159%
73	21.115	2996	3000	3003	rBV4	105171	165374	1.62%	0.165%
74	21.244	3017	3022	3027	rBV2	178158	373008	3.66%	0.372%
75	21.297	3028	3031	3037	rVB3	131986	230598	2.26%	0.230%
76	21.485	3058	3063	3067	rBV	400374	668014	6.55%	0.665%

LSC Area Percent Report

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Acq On : 9 Oct 2021 4:37
Operator : CG/JU
Sample : M4107-01 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OK-01-100621

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

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Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	21.526	3067	3070	3075	rVB	399063	593947	5.83%	0.592%
78	21.585	3075	3080	3085	rBV2	452379	766110	7.51%	0.763%
79	21.779	3105	3113	3119	rBV	135945	333720	3.27%	0.332%
80	21.914	3124	3136	3142	rVV3	2943266	6874797	67.43%	6.848%
81	21.984	3143	3148	3159	rVB	2386529	4381953	42.98%	4.365%
82	22.143	3169	3175	3183	rBV	635236	1178443	11.56%	1.174%
83	22.284	3195	3199	3205	rVB	287035	518272	5.08%	0.516%
84	22.354	3205	3211	3219	rBV2	414704	837356	8.21%	0.834%
85	22.695	3263	3269	3274	rVB	289802	625231	6.13%	0.623%
86	22.766	3279	3281	3290	rVB	179527	296401	2.91%	0.295%
87	22.924	3303	3308	3313	rVB2	208013	391832	3.84%	0.390%
88	22.989	3314	3319	3323	rVV2	214887	451060	4.42%	0.449%
89	23.036	3323	3327	3335	rVB4	361450	788695	7.74%	0.786%
90	23.130	3337	3343	3351	rVB4	171580	425160	4.17%	0.423%
91	23.870	3464	3469	3485	rVB	118146	344696	3.38%	0.343%
92	24.276	3526	3538	3545	rBV2	1299578	5058516	49.61%	5.039%
93	24.534	3575	3582	3591	rVB	339216	858866	8.42%	0.855%
94	25.045	3659	3669	3683	rVB2	764658	2634627	25.84%	2.624%
95	25.210	3685	3697	3710	rVV	1290393	3980187	39.04%	3.965%
96	25.357	3713	3722	3728	rVV2	278067	901630	8.84%	0.898%
97	25.439	3730	3736	3751	rVB2	370167	1253037	12.29%	1.248%
98	29.305	4382	4394	4420	rVB3	361046	2030198	19.91%	2.022%

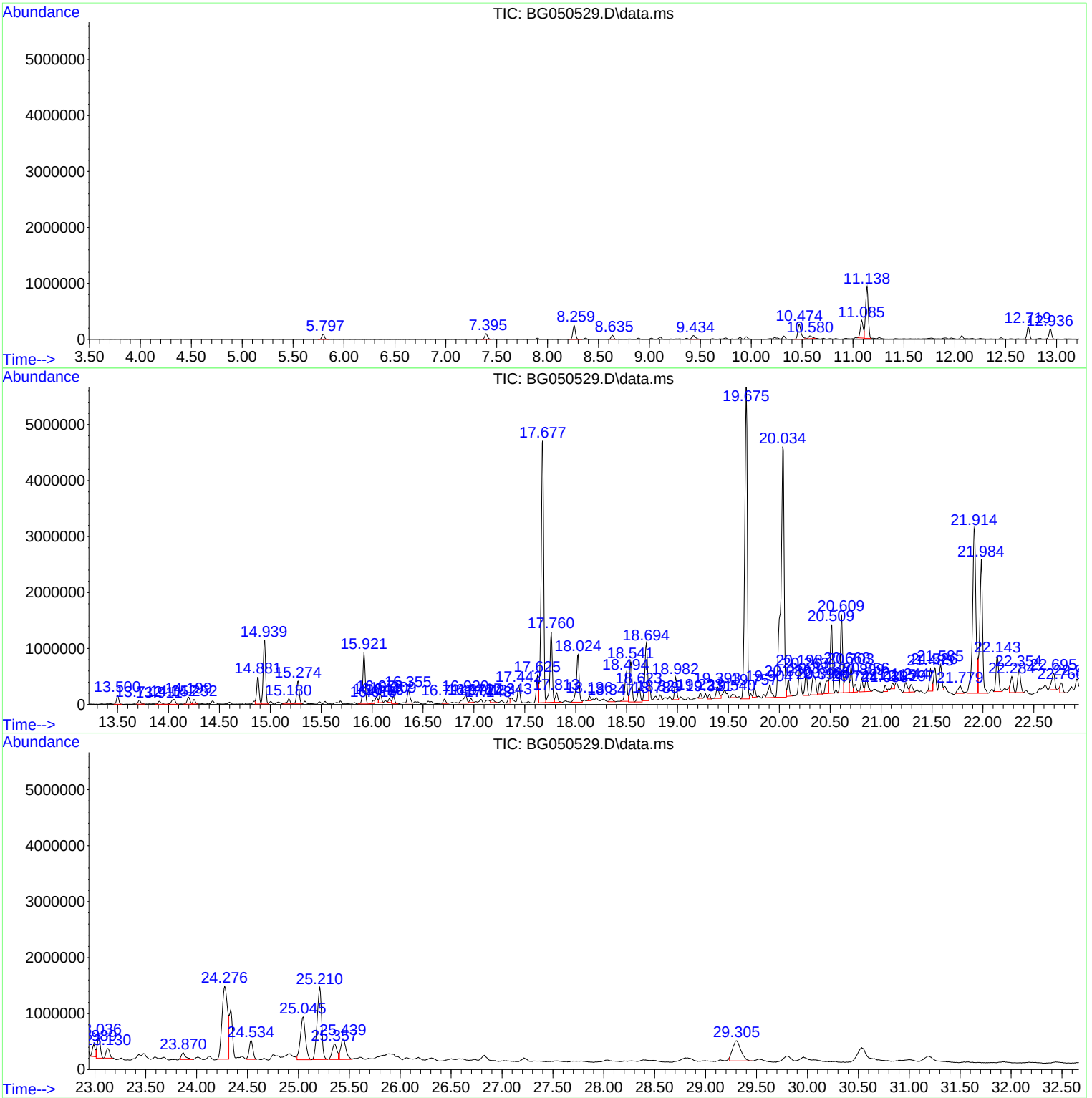
Sum of corrected areas: 100395377

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100821\
Data File : BG050529.D
Acq On : 9 Oct 2021 4:37
Operator : CG/JU
Sample : M4107-01 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OK-01-100621

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.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\BG100821\
Data File : BG050529.D
Acq On : 9 Oct 2021 4:37
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Sample : M4107-01 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OK-01-100621

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

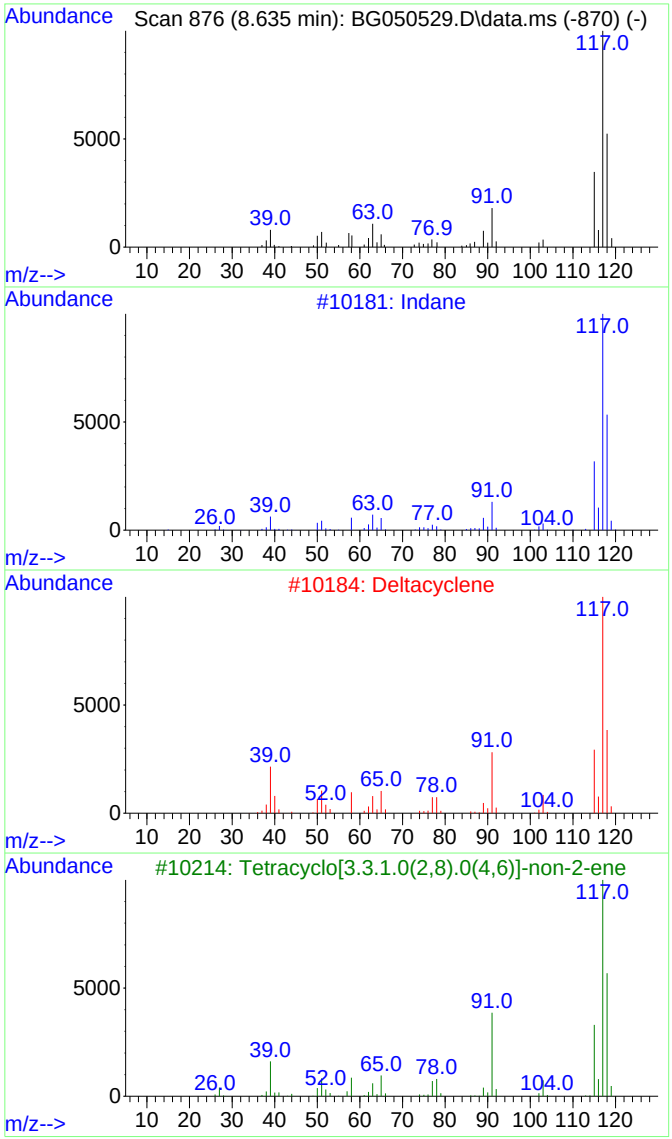
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

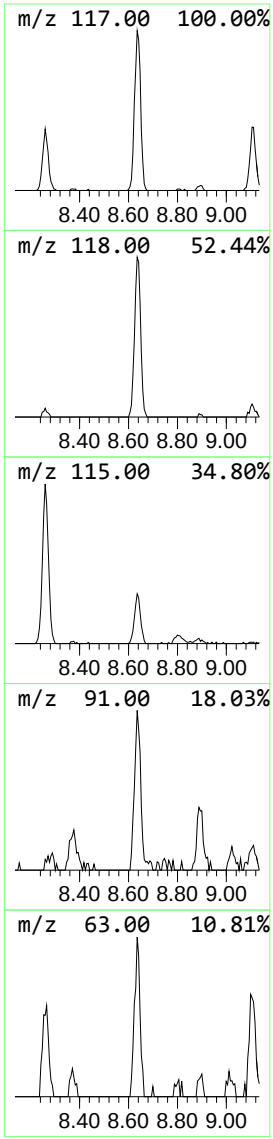
****

Peak Number 1 Indane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.635	5.55 ng	121544	1,4-Dichlorobenzene-d4	8.259

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	87
2	Deltacyclene	118	C9H10	007785-10-6	76
3	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	64
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	64
5	1,4:5,8-Dimethanobiphenylene, 1,...	184	C14H16	001624-13-1	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100821\
Data File : BG050529.D
Acq On : 9 Oct 2021 4:37
Operator : CG/JU
Sample : M4107-01 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OK-01-100621

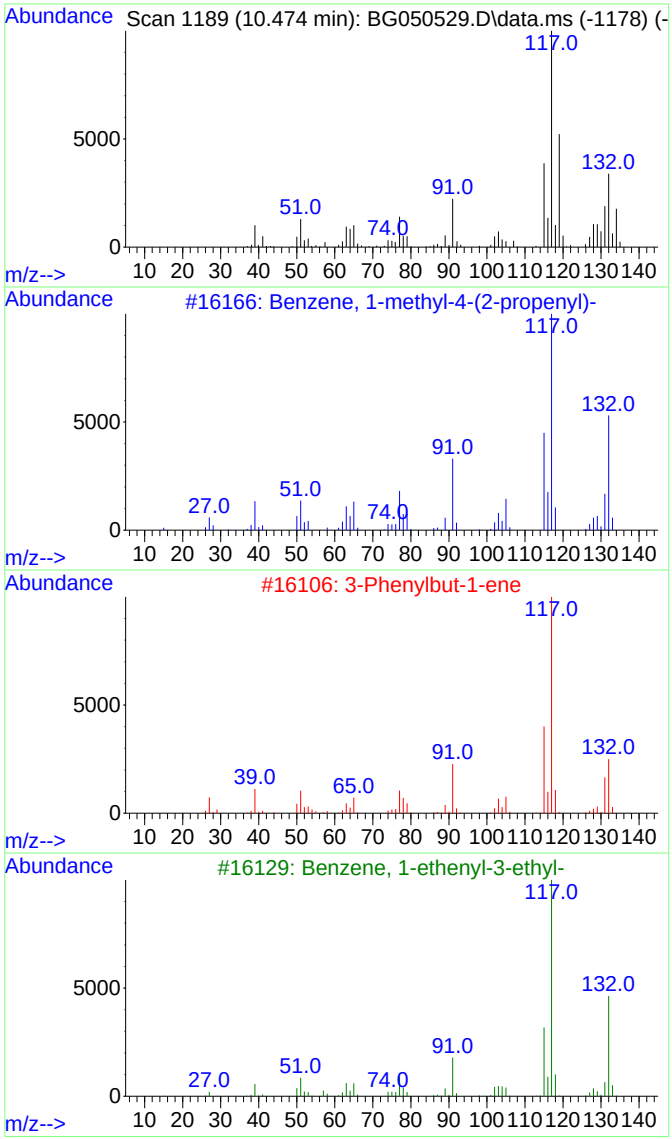
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

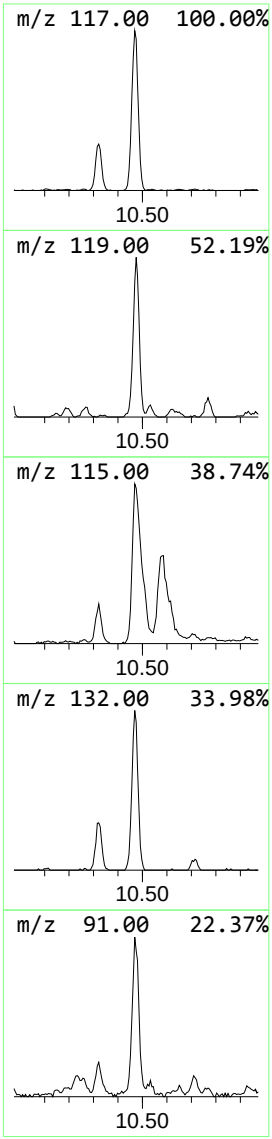
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Benzene, 1-methyl-4-(2-prop... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.474	19.48 ng	602017	Naphthalene-d8	11.085

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	86
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	70
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	70
4	1-Phenyl-1-butene	132	C10H12	000824-90-8	70
5	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	70





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100821\
Data File : BG050529.D
Acq On : 9 Oct 2021 4:37
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Sample : M4107-01 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OK-01-100621

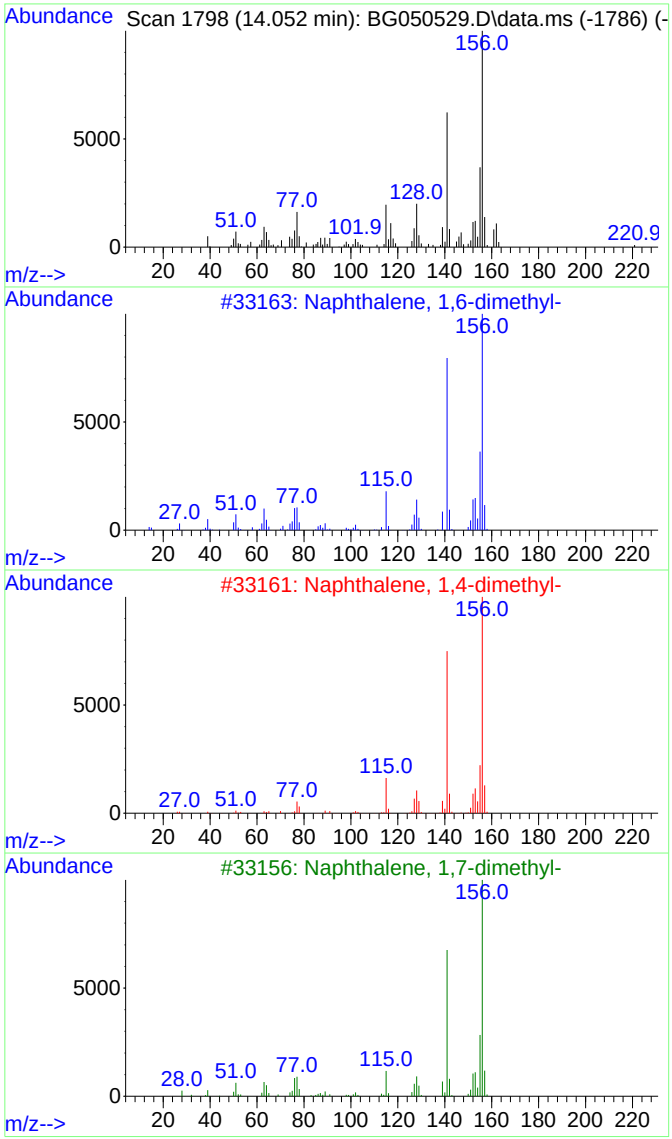
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

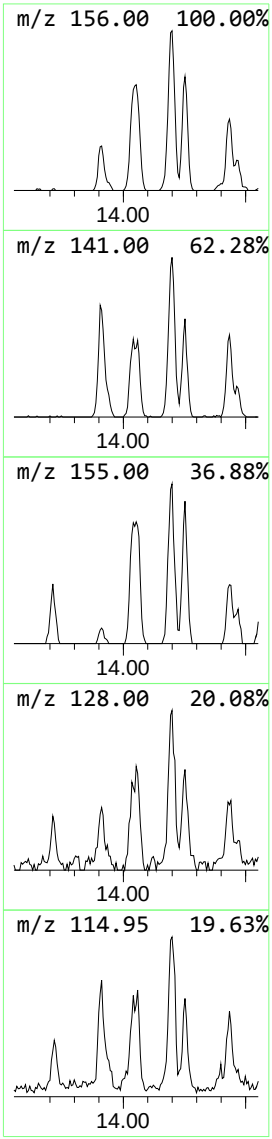
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Naphthalene, 1,6-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.052	5.98 ng	237463	Acenaphthene-d10	14.881

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100821\
Data File : BG050529.D
Acq On : 9 Oct 2021 4:37
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Sample : M4107-01 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OK-01-100621

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

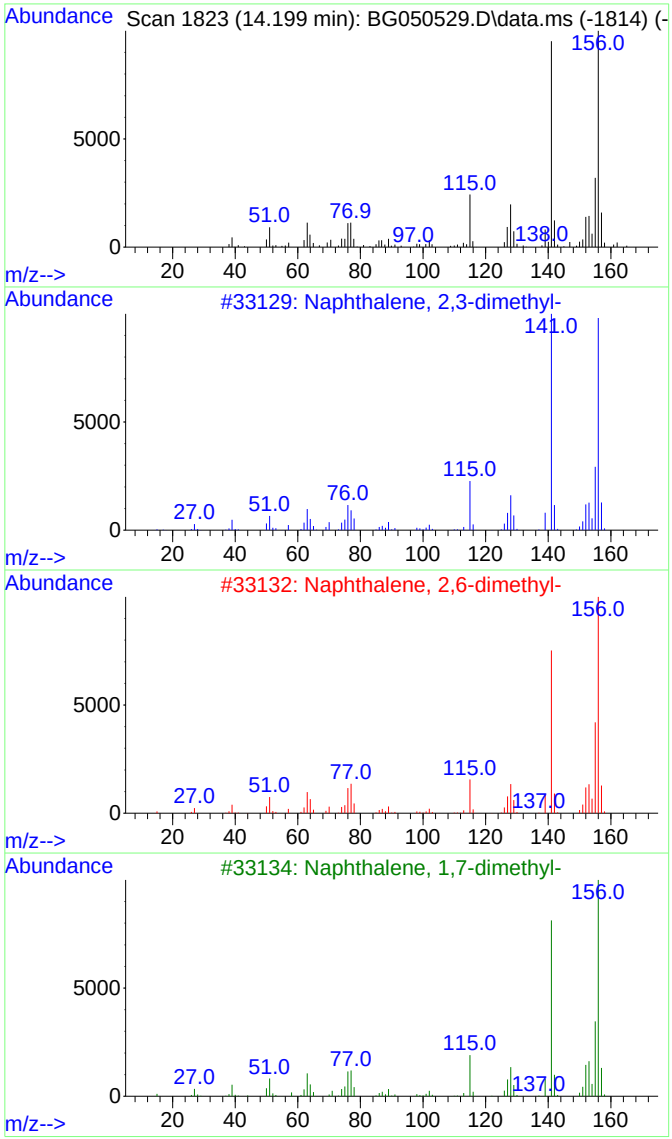
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

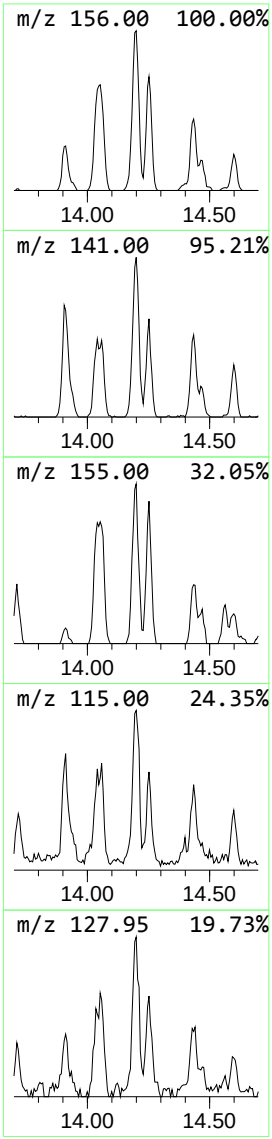
****

Peak Number 4 Naphthalene, 2,3-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.199	6.18 ng	245347	Acenaphthene-d10	14.881

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100821\
Data File : BG050529.D
Acq On : 9 Oct 2021 4:37
Operator : CG/JU
Sample : M4107-01 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OK-01-100621

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

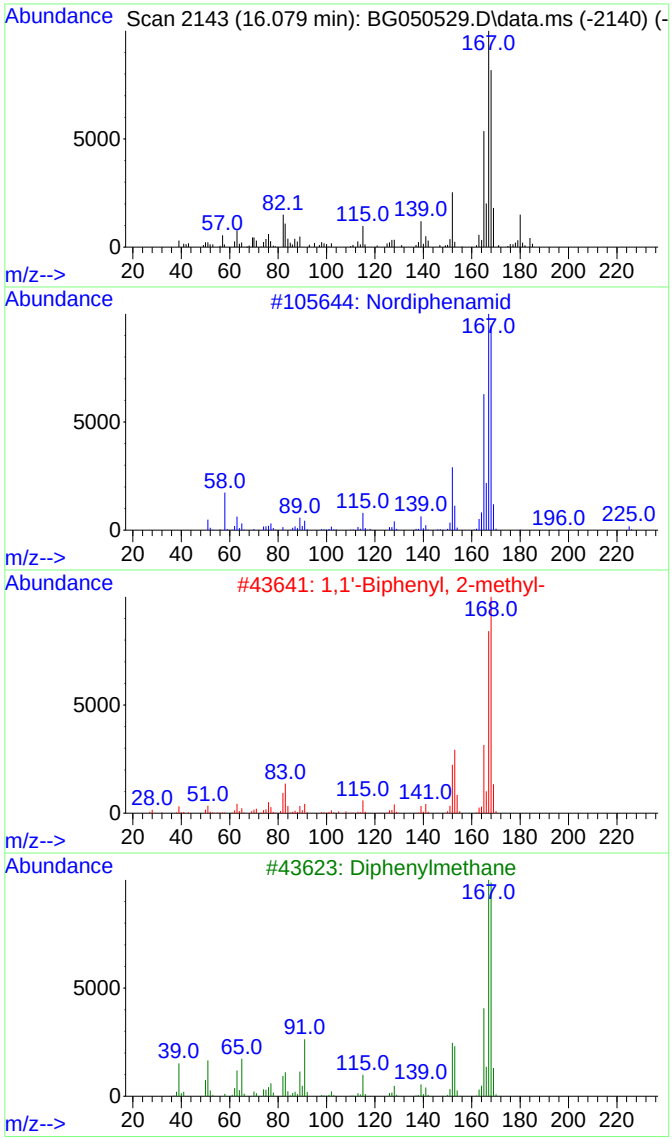
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

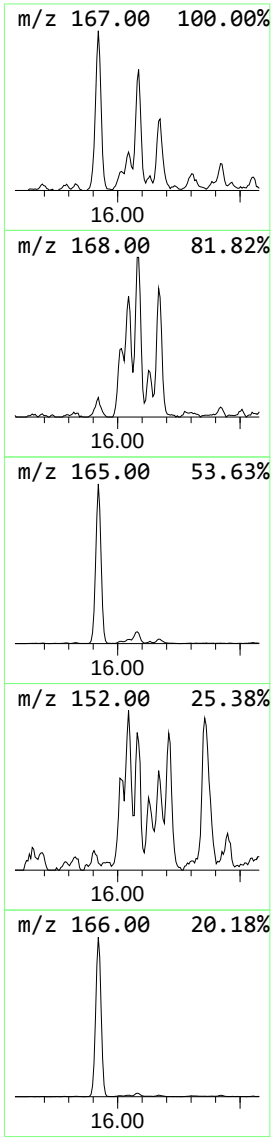
****

Peak Number 5 Nordiphenamid Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.079	5.72 ng	227152	Acenaphthene-d10	14.881

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nordiphenamid	225	C15H15NO	000954-21-2	78
2	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	70
3	Diphenylmethane	168	C13H12	000101-81-5	58
4	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	50
5	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	49





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Acq On : 9 Oct 2021 4:37
Operator : CG/JU
Sample : M4107-01 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OK-01-100621

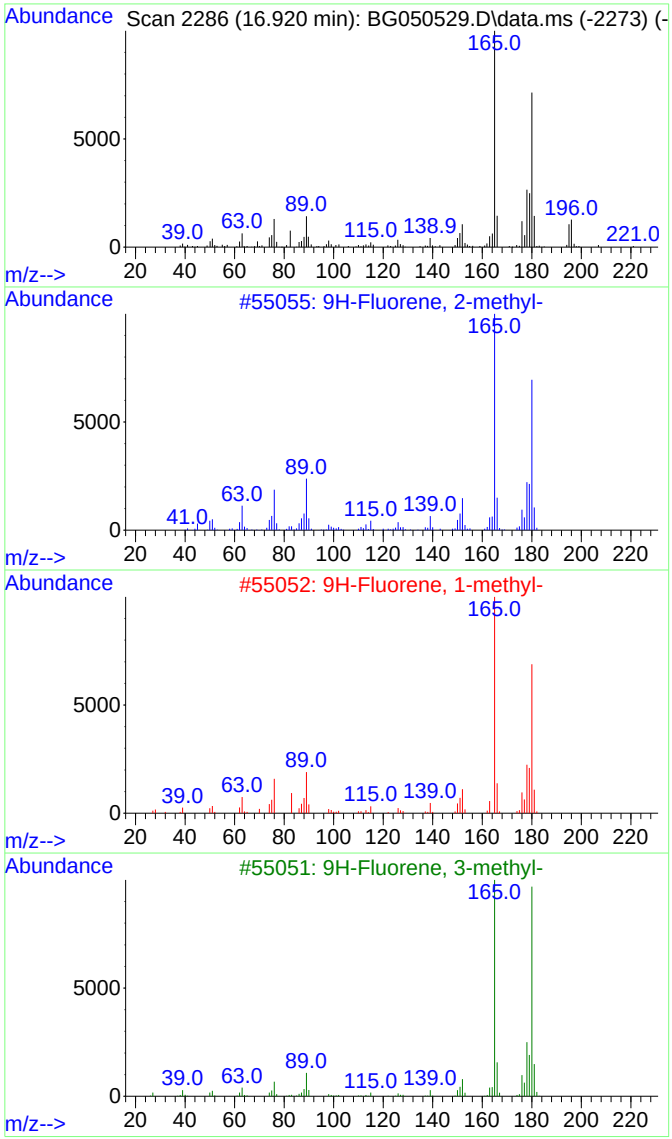
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

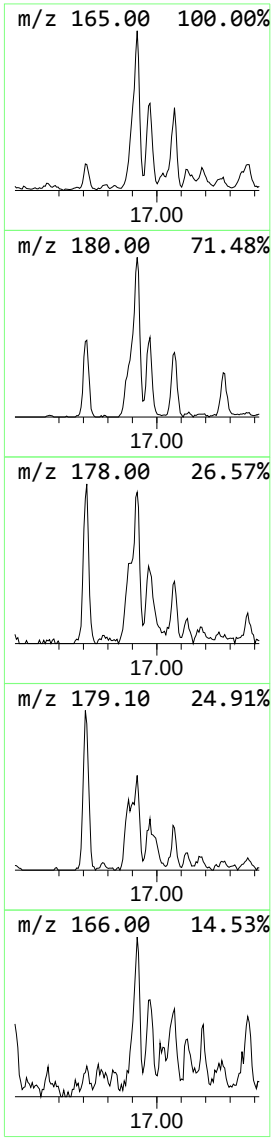
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 9H-Fluorene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.919	9.76 ng	380060	Phenanthrene-d10	17.625

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	92
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	68
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	60





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Sample : M4107-01 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OK-01-100621

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

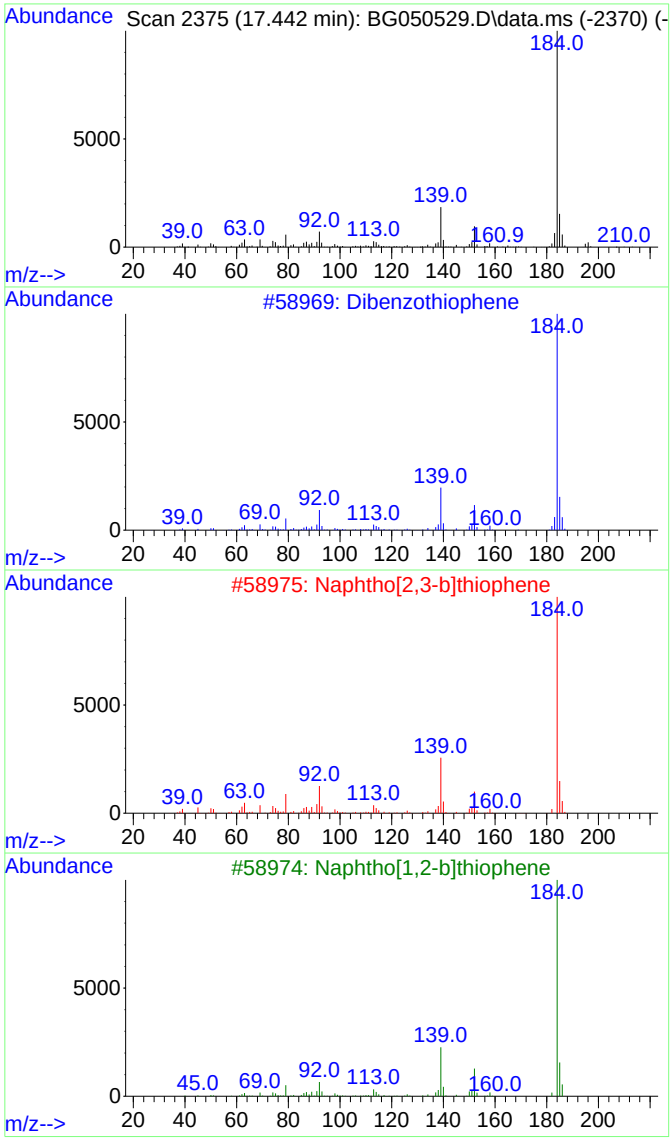
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

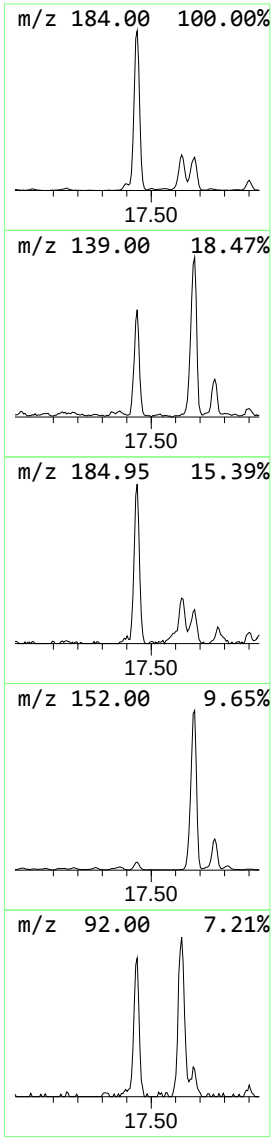
****

Peak Number 7 Dibenzothiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.442	13.10 ng	510174	Phenanthrene-d10	17.625

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
4	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





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Sample : M4107-01 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OK-01-100621

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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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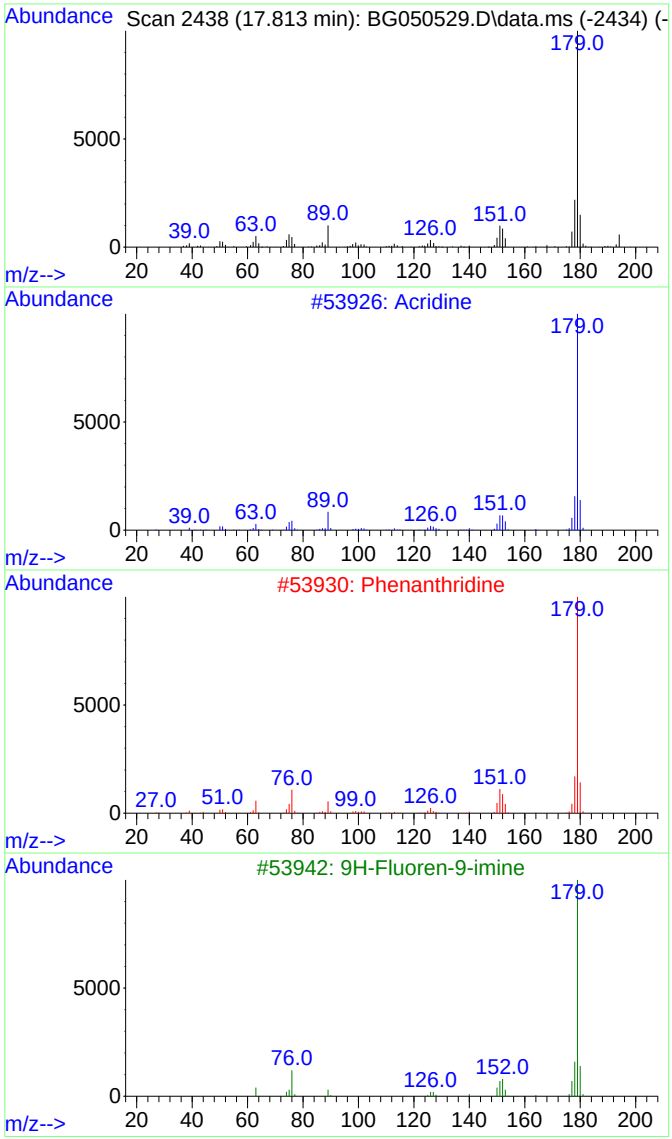
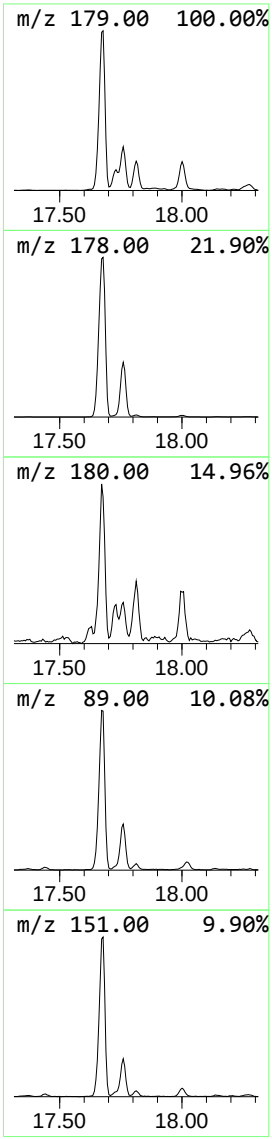
Peak Number 8 Acridine Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.813	7.28 ng	283658	Phenanthrene-d10	17.625

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridine	179	C13H9N	000260-94-6	97
2	Phenanthridine	179	C13H9N	000229-87-8	94
3	9H-Fluoren-9-imine	179	C13H9N	004440-33-9	93
4	Benzo[f]quinoline	179	C13H9N	000085-02-9	93
5	Benzo[h]quinoline	179	C13H9N	000230-27-3	91





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Acq On : 9 Oct 2021 4:37
Operator : CG/JU
Sample : M4107-01 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OK-01-100621

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

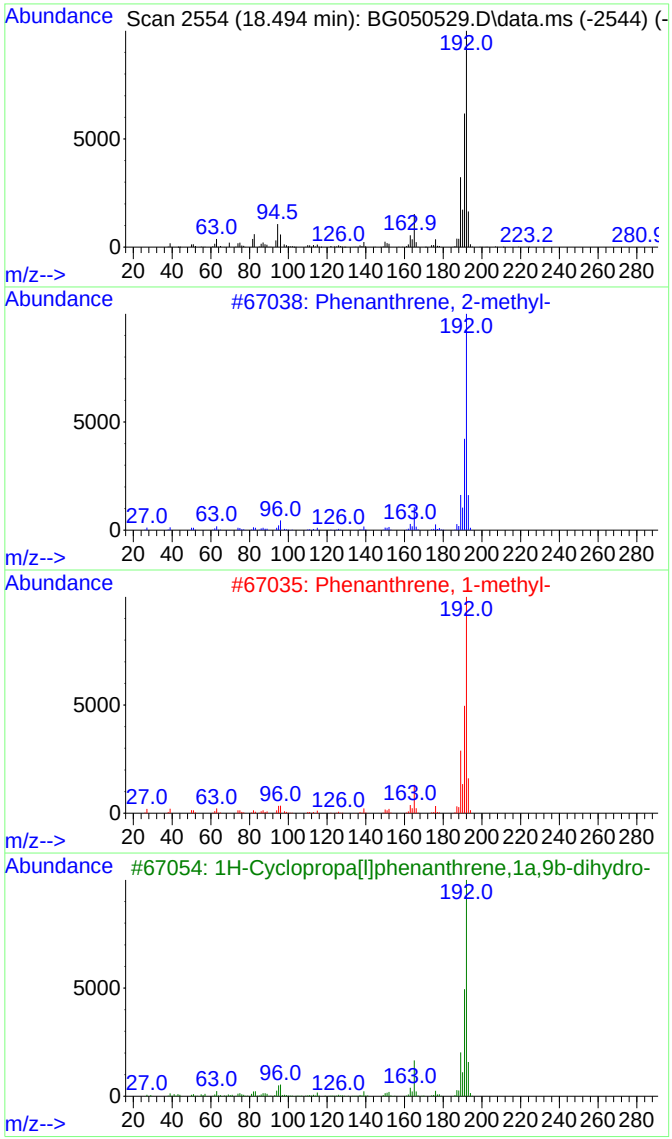
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

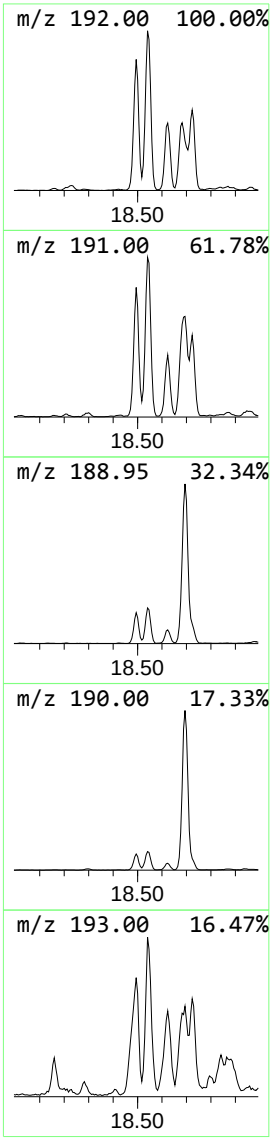
****

Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.494	20.45 ng	796506	Phenanthrene-d10	17.625

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	94
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94





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Acq On : 9 Oct 2021 4:37
Operator : CG/JU
Sample : M4107-01 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OK-01-100621

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

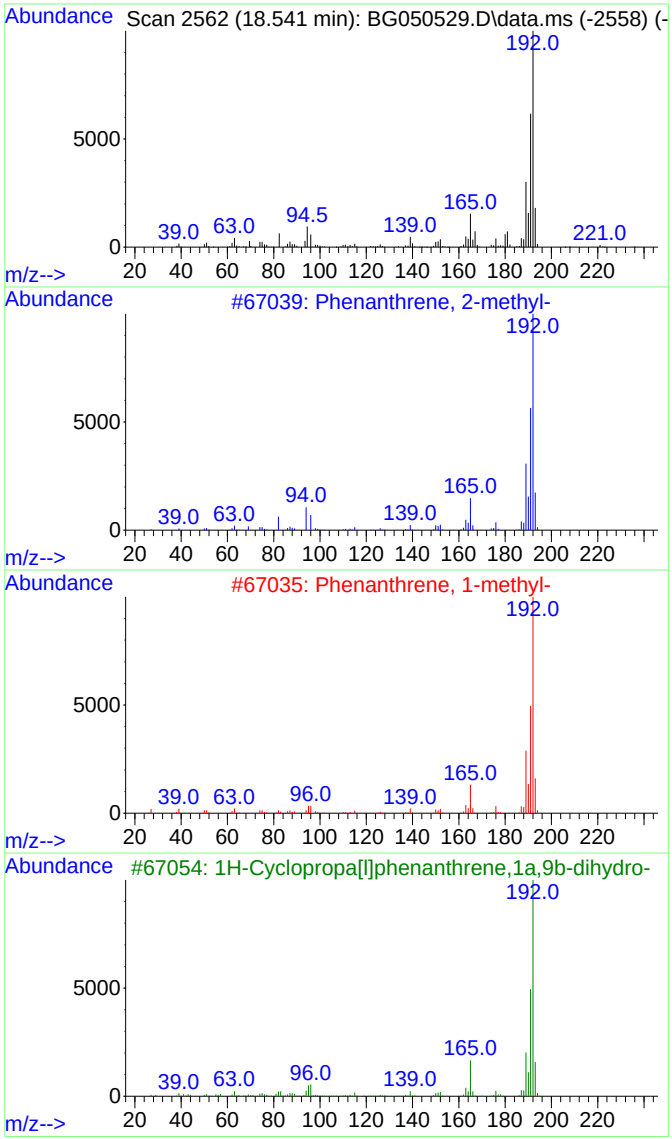
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

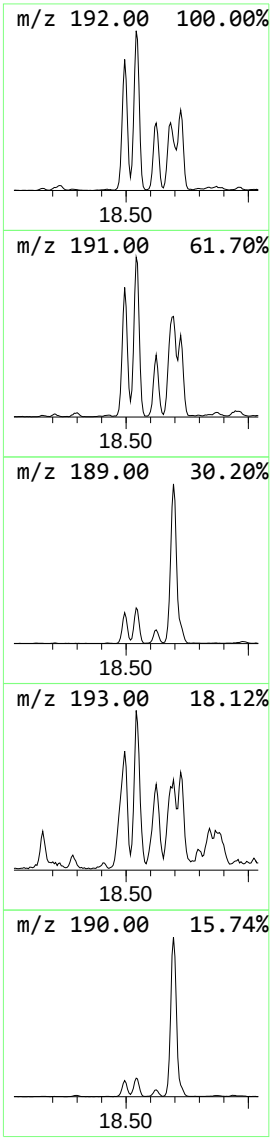
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.541	28.88 ng	1124660	Phenanthrene-d10	17.625

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94





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Sample : M4107-01 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OK-01-100621

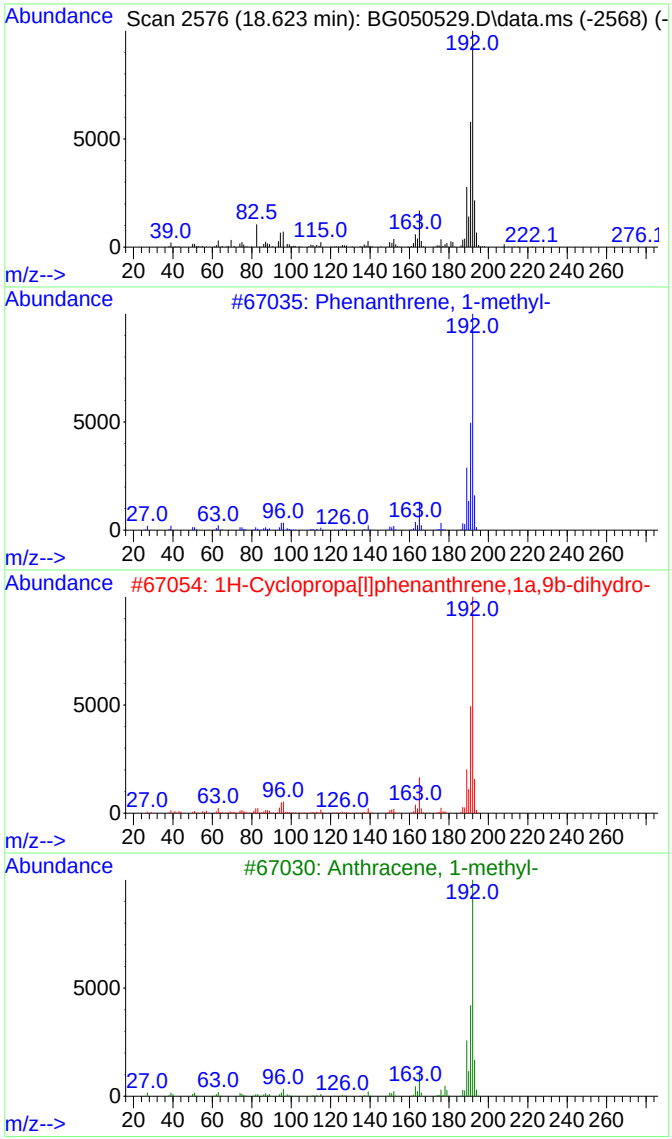
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

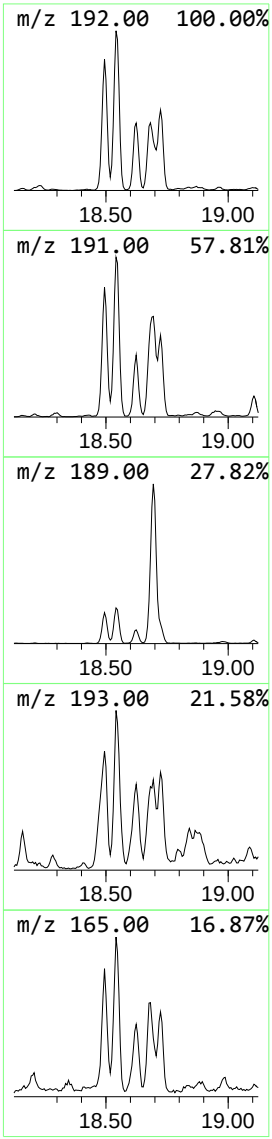
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 1H-Cyclopropa[l]phenanthren... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.623	12.73 ng	495627	Phenanthrene-d10	17.625

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94





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Operator : CG/JU
Sample : M4107-01 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OK-01-100621

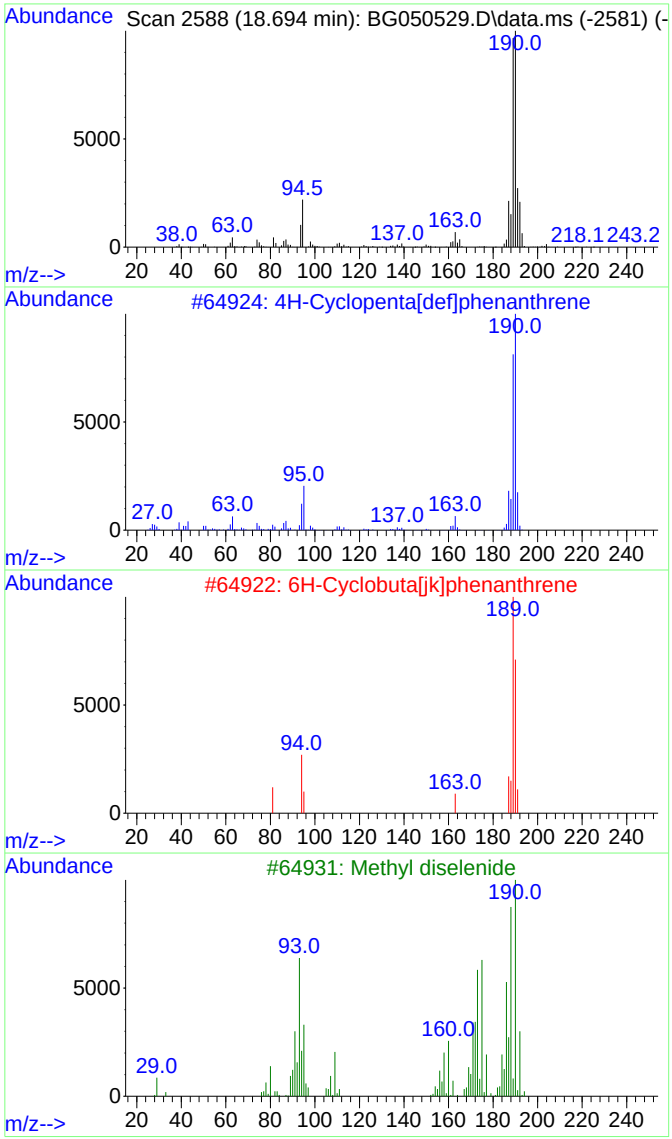
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

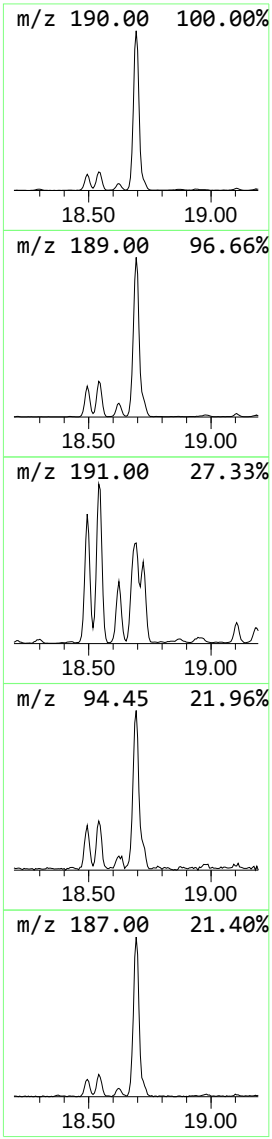
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.694	49.75 ng	1937560	Phenanthrene-d10	17.625

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
3	Methyl diselenide	190	C2H6Se2	007101-31-7	43
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
5	Carbonic acid, 2-formyl-4,6-dich...	276	C11H10Cl2O4	1000331-39-3	17





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Misc :
ALS Vial : 18 Sample Multiplier: 1

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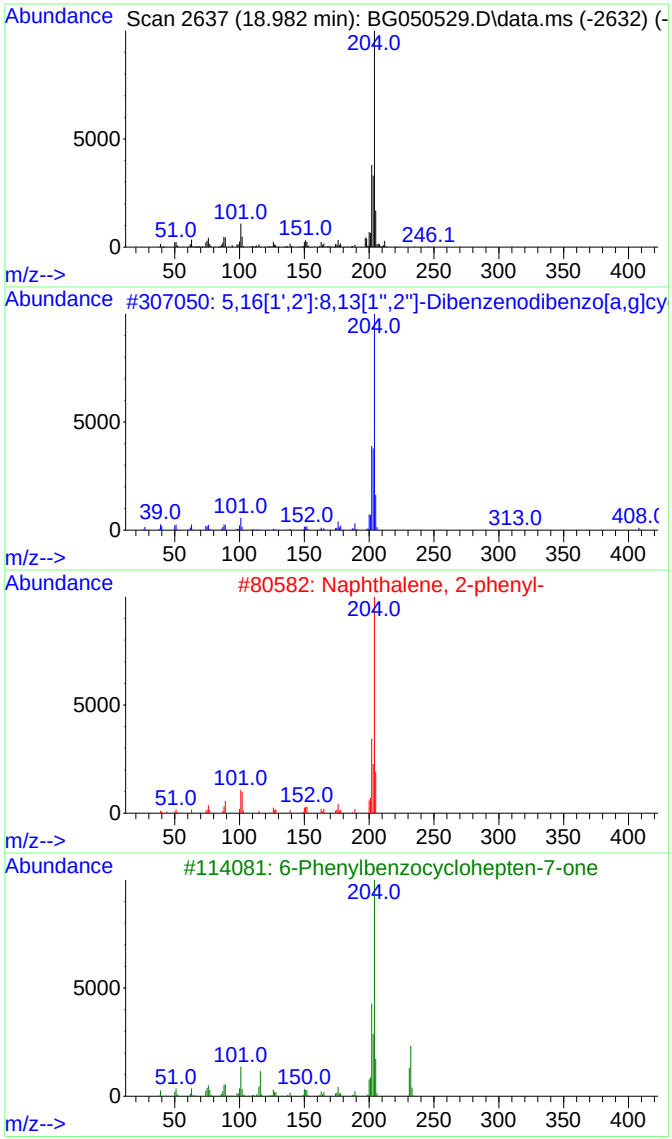
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

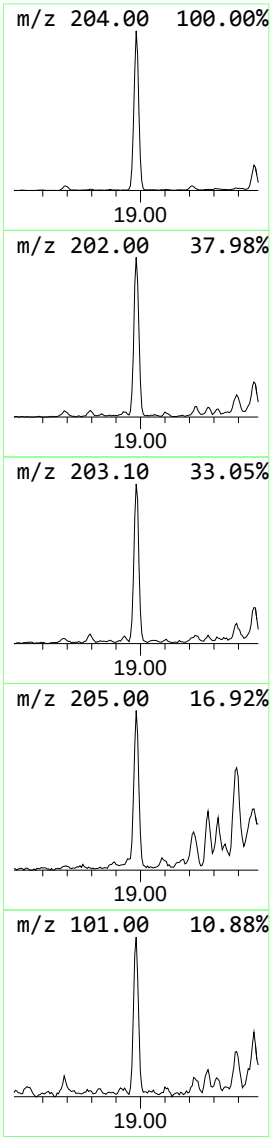
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.982	15.03 ng	585278	Phenanthrene-d10	17.625

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
3	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	86
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
5	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	58





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Sample : M4107-01 10X
Misc :
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Instrument : BNA_G
ClientSampleId : OK-01-100621

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

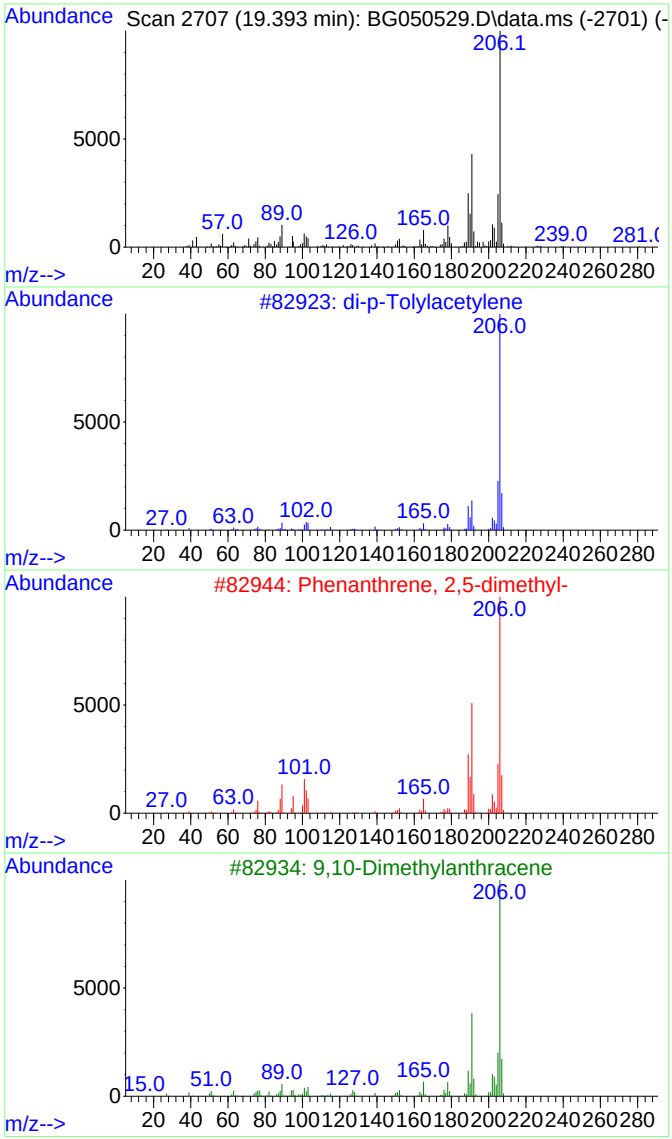
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

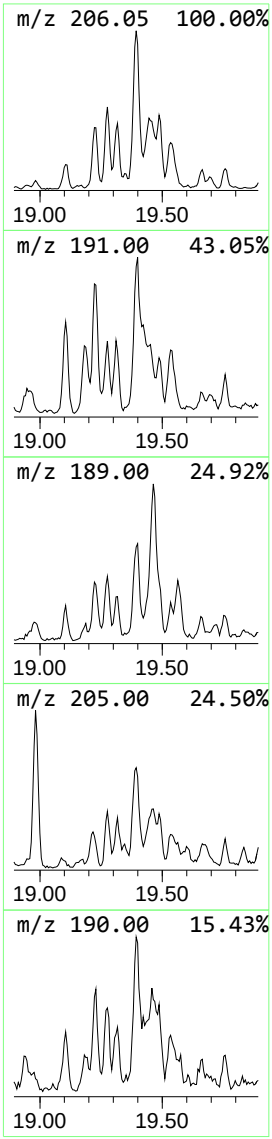
****

Peak Number 14 di-p-Tolylacetylene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.393	10.90 ng	424335	Phenanthrene-d10	17.625

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	91
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90





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Sample : M4107-01 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OK-01-100621

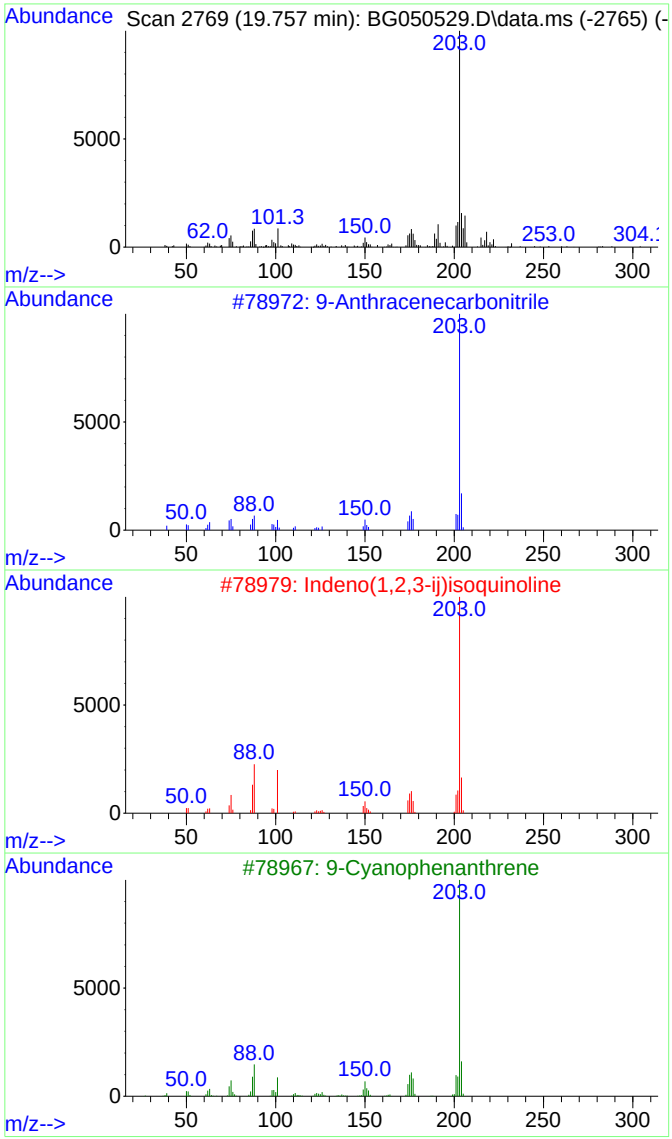
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

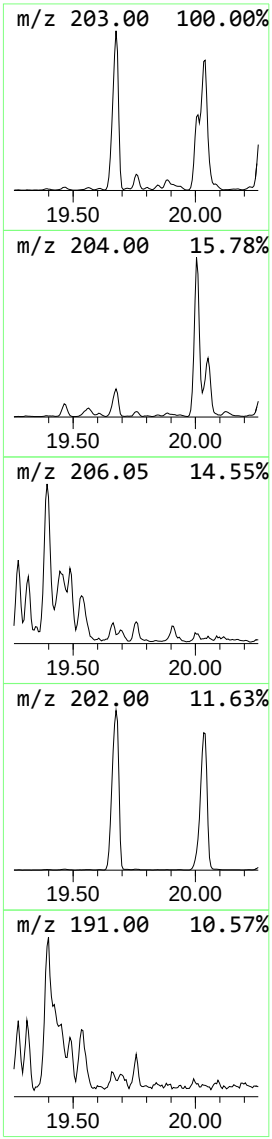
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 9-Anthracenecarbonitrile Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.757	5.55 ng	216000	Phenanthrene-d10	17.625

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Anthracenecarbonitrile	203	C15H9N	001210-12-4	96
2	Indeno(1,2,3-ij)isoquinoline	203	C15H9N	000206-56-4	95
3	9-Cyanophenanthrene	203	C15H9N	002510-55-6	95
4	9-(Cyanomethylene)fluorene	203	C15H9N	004425-74-5	94
5	Acenaphtho(1,2-b)pyridine	203	C15H9N	000206-49-5	89





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Misc :
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Instrument : BNA_G
ClientSampleId : OK-01-100621

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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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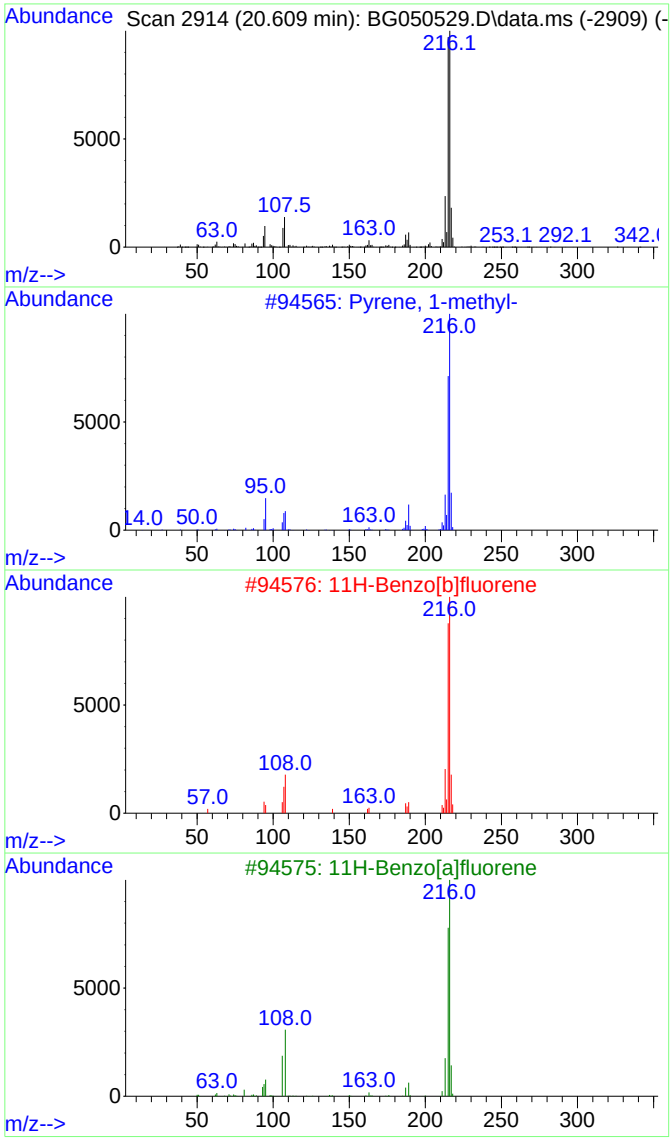
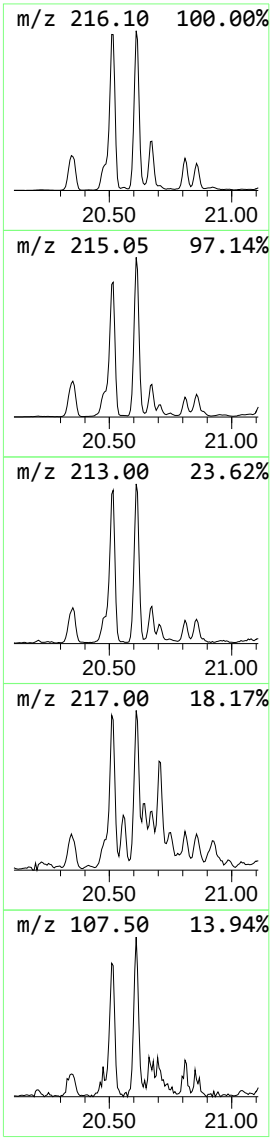
Peak Number 16 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.609	5.95 ng	2044660	Chrysene-d12	21.931

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	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70





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Operator : CG/JU
Sample : M4107-01 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OK-01-100621

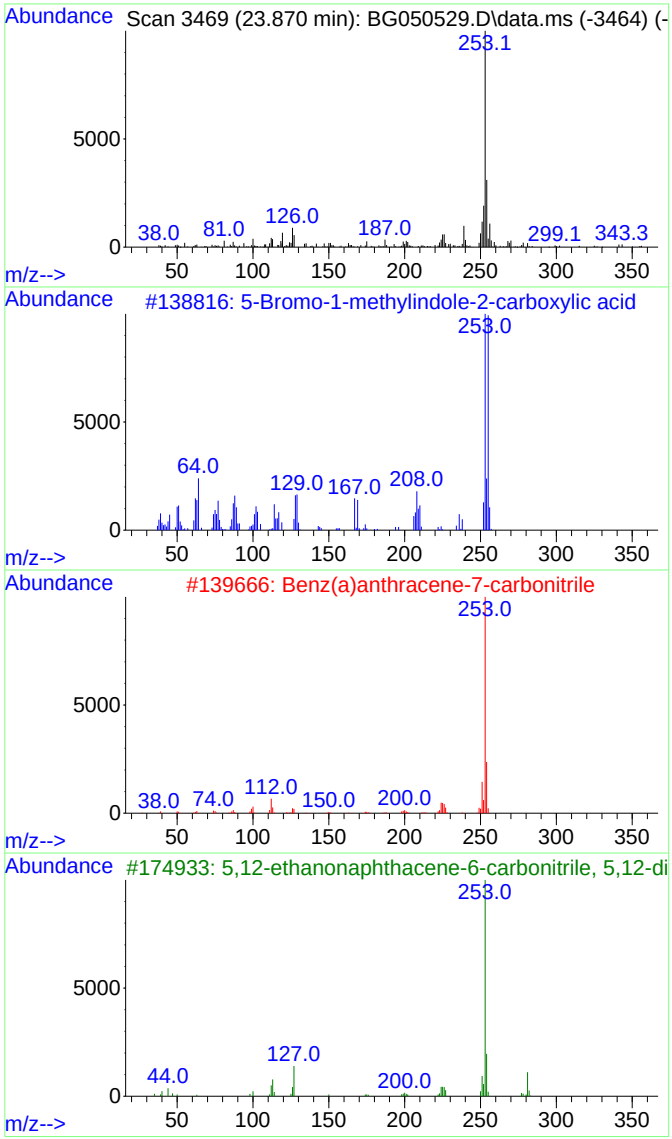
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

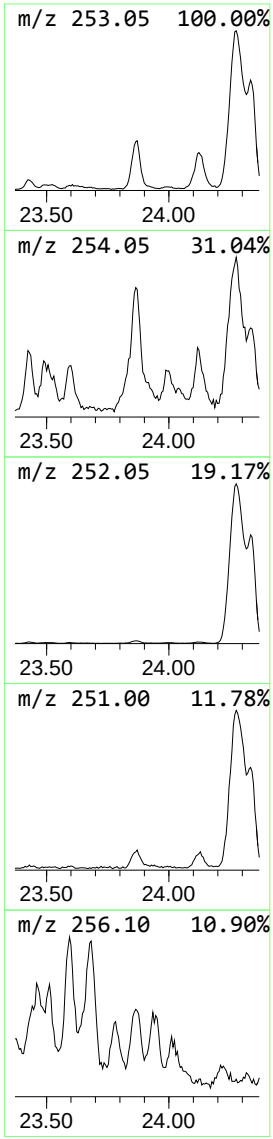
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 5-Bromo-1-methylindole-2-ca... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.870	7.65 ng	344696	Perylene-d12	25.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Bromo-1-methylindole-2-carboxy...	253	C10H8BrNO2	090766-47-5	59
2	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	50
3	5,12-ethanonaphthacene-6-carboni...	281	C21H15N	1000397-19-0	42
4	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	38
5	1,2'-Binaphthalene	254	C20H14	004325-74-0	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100821\
Data File : BG050529.D
Acq On : 9 Oct 2021 4:37
Operator : CG/JU
Sample : M4107-01 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OK-01-100621

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.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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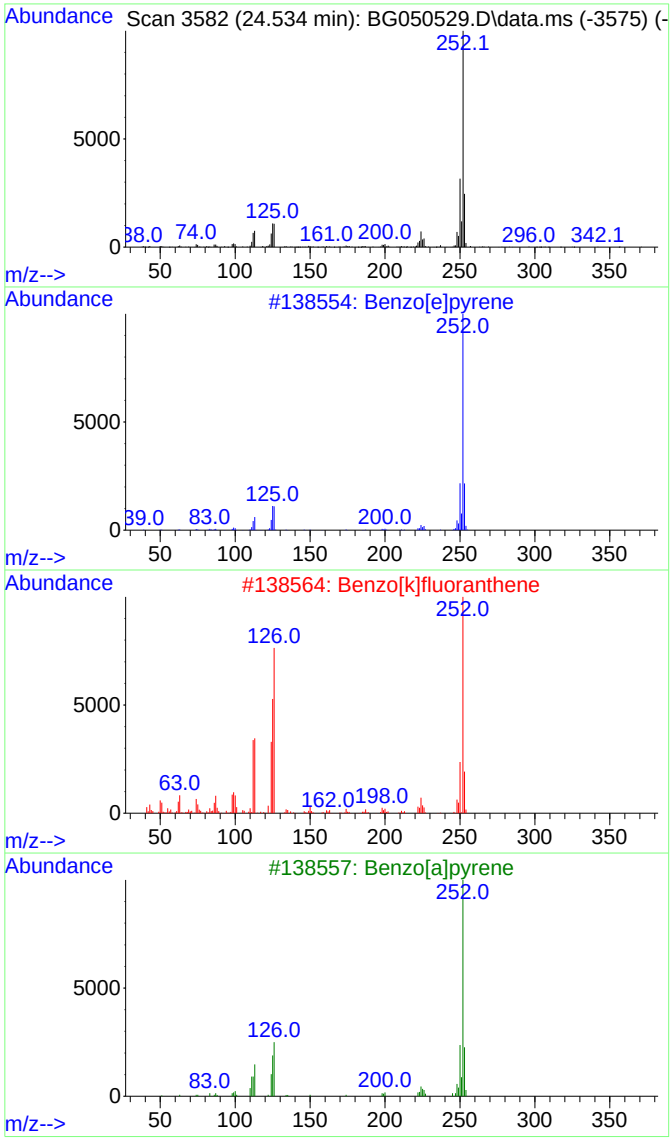
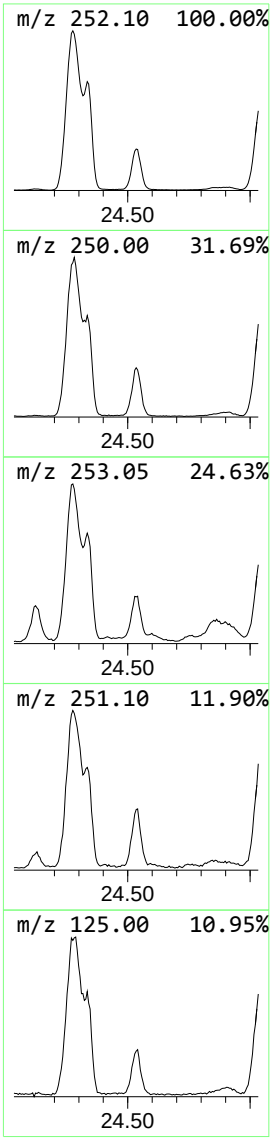
Peak Number 18 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.534	19.05 ng	858866	Perylene-d12	25.351

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





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100821\
Data File : BG050529.D
Acq On : 9 Oct 2021 4:37
Operator : CG/JU
Sample : M4107-01 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OK-01-100621

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.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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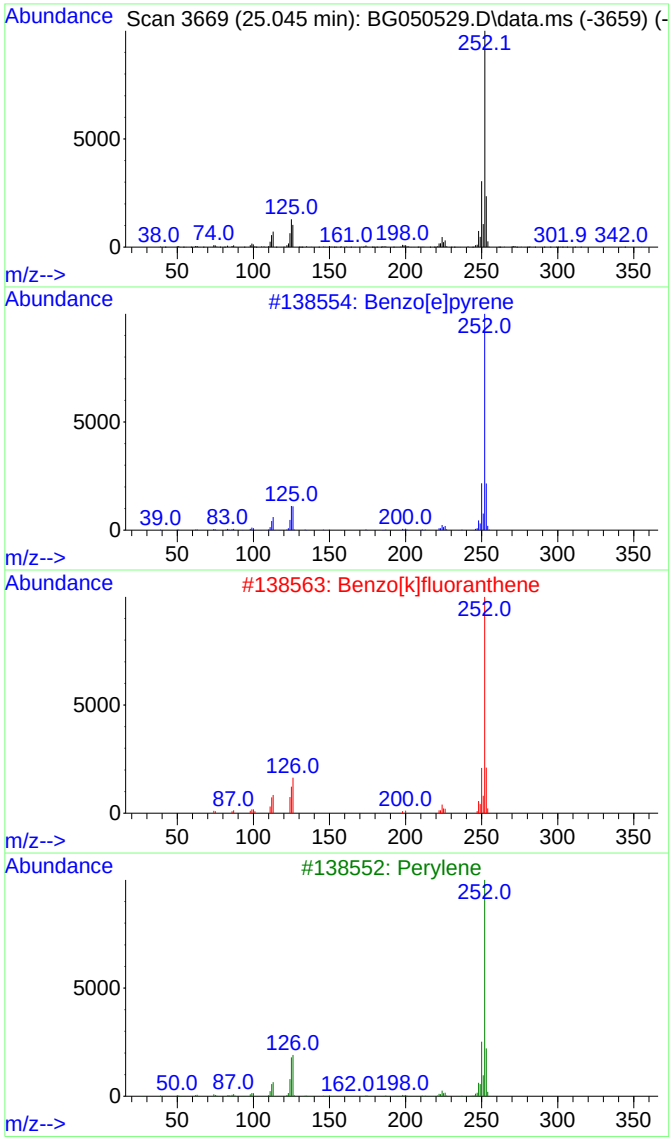
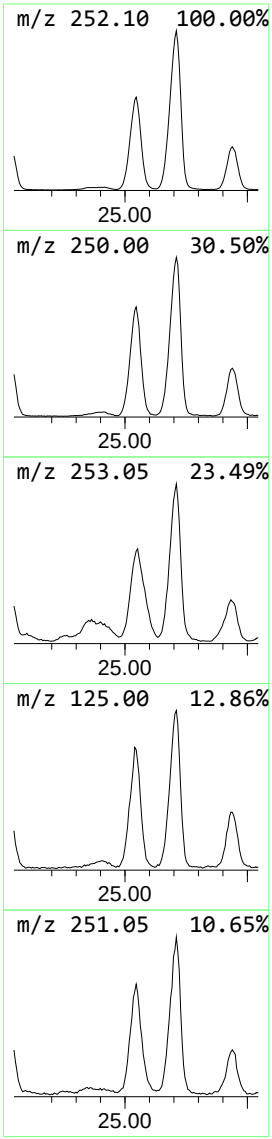
Peak Number 19 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.045	58.44 ng	2634630	Perylene-d12	25.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Perylene	252	C20H12	000198-55-0	95
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100821\
Data File : BG050529.D
Acq On : 9 Oct 2021 4:37
Operator : CG/JU
Sample : M4107-01 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OK-01-100621

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.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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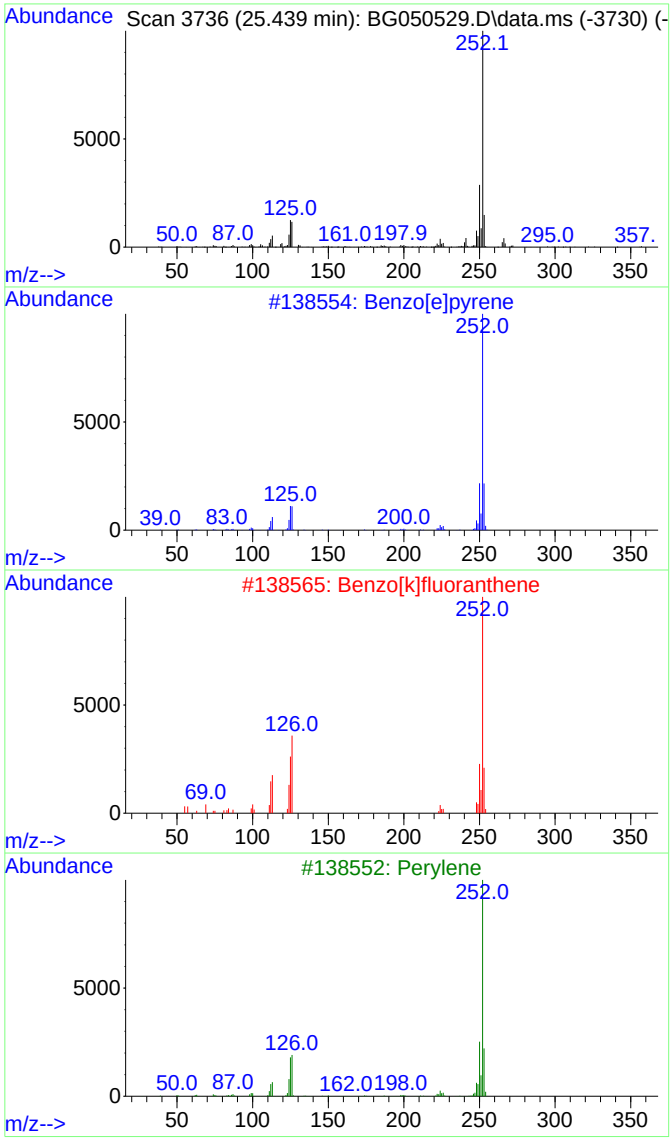
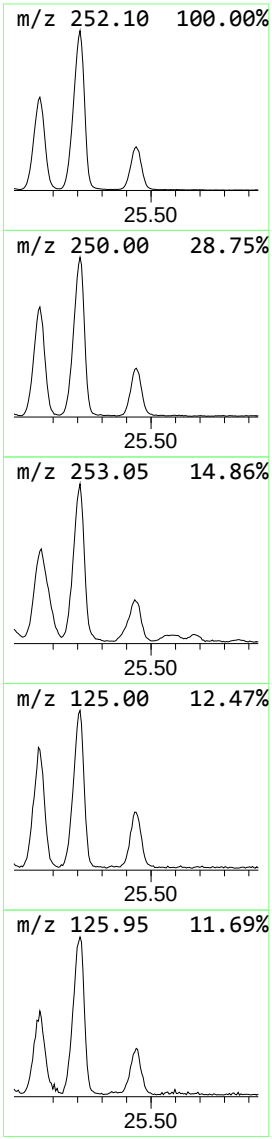
Peak Number 20 unknown25.439 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.439	27.79 ng	1253040	Perylene-d12	25.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
3	Perylene	252	C20H12	000198-55-0	89
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	86
5	Benzo[a]pyrene	252	C20H12	000050-32-8	76





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100821\
Data File : BG050529.D
Acq On : 9 Oct 2021 4:37
Operator : CG/JU
Sample : M4107-01 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OK-01-100621

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.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
Indane	8.635	5.5	ng	121544	1	8.259	437968	20.0
Benzene, 1-meth...	10.474	19.5	ng	602017	2	11.085	618071	20.0
Naphthalene, 1,...	14.052	6.0	ng	237463	3	14.881	793662	20.0
Naphthalene, 2,...	14.199	6.2	ng	245347	3	14.881	793662	20.0
Nordiphenamid	16.079	5.7	ng	227152	3	14.881	793662	20.0
9H-Fluorene, 2-...	16.919	9.8	ng	380060	4	17.625	778846	20.0
Dibenzothiophene	17.442	13.1	ng	510174	4	17.625	778846	20.0
Acridine	17.813	7.3	ng	283658	4	17.625	778846	20.0
Phenanthrene, 2...	18.494	20.4	ng	796506	4	17.625	778846	20.0
Phenanthrene, 1...	18.541	28.9	ng	1124660	4	17.625	778846	20.0
1H-Cyclopropa[l...	18.623	12.7	ng	495627	4	17.625	778846	20.0
4H-Cyclopenta[d...	18.694	49.8	ng	1937560	4	17.625	778846	20.0
5,16[1',2']:8,1...	18.982	15.0	ng	585278	4	17.625	778846	20.0
di-p-Tolylacety...	19.393	10.9	ng	424335	4	17.625	778846	20.0
9-Anthracenecar...	19.757	5.5	ng	216000	4	17.625	778846	20.0
Pyrene, 1-methyl-	20.609	6.0	ng	2044660	5	21.931	6874800	20.0
5-Bromo-1-methy...	23.870	7.7	ng	344696	6	25.351	901630	20.0
Benzo[e]pyrene	24.534	19.1	ng	858866	6	25.351	901630	20.0
Perylene	25.045	58.4	ng	2634630	6	25.351	901630	20.0
unknown25.439	25.439	27.8	ng	1253040	6	25.351	901630	20.0