LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111821\
Data File : BG051113.D
Acq On : 18 Nov 2021 20:14
Operator : CG/JU
Sample : M4695-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 289

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-BG111321.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG051113.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.762	380	387	400	rBV	527017	868653	16.65%	2.411%
2	7.377	654	662	674	rBV	512945	939832	18.01%	2.608%
3	8.223	798	806	818	rVB	120387	217368	4.17%	0.603%
4	9.398	997	1006	1015	rBV	309072	578836	11.09%	1.607%
5	10.791	1236	1243	1256	rBV	54289	105859	2.03%	0.294%
6	11.049	1278	1287	1294	rBV	174560	324069	6.21%	0.899%
7	13.470	1690	1699	1711	rVB	587880	944889	18.11%	2.623%
8	13.770	1743	1750	1765	rBV2	19654	53862	1.03%	0.149%
9	14.011	1781	1791	1800	rVB2	39393	94145	1.80%	0.261%
10	14.169	1809	1818	1823	rBV	53715	99056	1.90%	0.275%
11	14.222	1823	1827	1834	rVB	40810	60291	1.16%	0.167%
12	14.851	1922	1934	1939	rBV	272854	456137	8.74%	1.266%
13	14.916	1939	1945	1952	rVB	951469	1505790	28.85%	4.179%
14	15.151	1976	1985	1992	rBV	66806	109704	2.10%	0.304%
15	15.245	1992	2001	2007	rVV	150656	249815	4.79%	0.693%
16	15.891	2103	2111	2121	rBV	449574	715963	13.72%	1.987%
17	15.985	2121	2127	2129	rBV3	36780	58379	1.12%	0.162%
18	16.014	2129	2132	2135	rVV	65815	97294	1.86%	0.270%
19	16.049	2135	2138	2143	rVB3	52584	79319	1.52%	0.220%
20	16.179	2156	2160	2167	rVB	85565	134482	2.58%	0.373%
21	16.337	2180	2187	2194	rBV	639067	1072813	20.56%	2.978%
22	16.567	2221	2226	2234	rVB4	39092	78558	1.51%	0.218%
23	16.849	2269	2274	2278	rBV3	49042	103141	1.98%	0.286%
24	16.890	2278	2281	2286	rVV2	86403	133108	2.55%	0.369%
25	17.042	2301	2307	2312	rVB3	33664	59132	1.13%	0.164%
26	17.113	2312	2319	2323	rBV3	32242	73044	1.40%	0.203%
27	17.248	2337	2342	2348	rVB4	32405	57473	1.10%	0.160%
28	17.342	2354	2358	2364	rVV	76689	136951	2.62%	0.380%
29	17.413	2364	2370	2377	rVB	112172	179400	3.44%	0.498%
30	17.595	2395	2401	2404	rBV	333299	523010	10.02%	1.452%
31	17.642	2404	2409	2415	rVV	1373385	2120090	40.62%	5.884%
32	17.730	2415	2424	2429	rVV	206123	366554	7.02%	1.017%
33	17.789	2430	2434	2442	rVB2	40220	70410	1.35%	0.195%
34	17.977	2458	2466	2476	rBV6	44032	128458	2.46%	0.357%
35	18.106	2483	2488	2496	rBV	66363	111117	2.13%	0.308%
36	18.464	2542	2549	2553	rBV	185116	295277	5.66%	0.820%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111821\
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Acq On : 18 Nov 2021 20:14
Operator : CG/JU
Sample : M4695-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
289

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-BG111321.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	18.517	2553	2558	2564	rVB	260713	393599	7.54%	1.092%
38	18.594	2564	2571	2576	rBV	83483	136343	2.61%	0.378%
39	18.664	2576	2583	2597	rVB2	542838	1095559	20.99%	3.041%
40	18.958	2627	2633	2637	rBV	162631	236526	4.53%	0.656%
41	19.011	2637	2642	2647	rVV	87787	133915	2.57%	0.372%
42	19.199	2667	2674	2678	rBV3	65106	103466	1.98%	0.287%
43	19.287	2686	2689	2697	rVB2	32056	52498	1.01%	0.146%
44	19.369	2697	2703	2708	rBV	66888	128553	2.46%	0.357%
45	19.440	2708	2715	2723	rVB4	48724	128913	2.47%	0.358%
46	19.522	2723	2729	2735	rBV2	108431	204427	3.92%	0.567%
47	19.651	2742	2751	2756	rBV	3156949	5218699	100.00%	14.484%
48	19.733	2761	2765	2769	rVB3	50360	74844	1.43%	0.208%
49	19.886	2784	2791	2799	rVB2	118087	233870	4.48%	0.649%
50	19.974	2799	2806	2807	rBV	605533	926922	17.76%	2.573%
51	20.010	2807	2812	2817	rVV	2408105	3736351	71.60%	10.370%
52	20.062	2817	2821	2828	rVB	104395	148865	2.85%	0.413%
53	20.180	2835	2841	2846	rBV2	990243	1373553	26.32%	3.812%
54	20.239	2847	2851	2857	rVB	70185	111789	2.14%	0.310%
55	20.315	2857	2864	2871	rBV2	128180	328622	6.30%	0.912%
56	20.374	2871	2874	2880	rBV	35220	56113	1.08%	0.156%
57	20.485	2881	2893	2898	rBV	367342	710857	13.62%	1.973%
58	20.585	2904	2910	2914	rBV	333613	489050	9.37%	1.357%
59	20.644	2914	2920	2923	rVV2	152717	299916	5.75%	0.832%
60	20.679	2923	2926	2930	rVV	137373	187629	3.60%	0.521%
61	20.720	2930	2933	2937	rVV4	46970	70743	1.36%	0.196%
62	20.785	2938	2944	2947	rVV2	100133	168763	3.23%	0.468%
63	20.832	2948	2952	2959	rVB	101686	173850	3.33%	0.483%
64	21.132	2999	3003	3007	rVB2	38432	54635	1.05%	0.152%
65	21.267	3022	3026	3032	rVB	87897	137381	2.63%	0.381%
66	21.455	3052	3058	3062	rBV3	135908	274092	5.25%	0.761%
67	21.496	3062	3065	3070	rVB	138854	222700	4.27%	0.618%
68	21.555	3070	3075	3079	rBV2	118783	214443	4.11%	0.595%
69	21.878	3123	3130	3138	rBV2	697572	1763480	33.79%	4.894%
70	21.948	3138	3142	3153	rVB	401674	732166	14.03%	2.032%
71	22.107	3163	3169	3178	rBV	132248	265479	5.09%	0.737%
72	22.319	3200	3205	3212	rBV3	64159	142930	2.74%	0.397%
73	22.659	3259	3263	3269	rVB	61245	112935	2.16%	0.313%
74	22.947	3308	3312	3317	rBV2	32449	69997	1.34%	0.194%
75	23.088	3331	3336	3344	rBV3	29080	72136	1.38%	0.200%
76	24.216	3520	3528	3537	rBV	189824	670451	12.85%	1.861%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111821\
Data File : BG051113.D
Acq On : 18 Nov 2021 20:14
Operator : CG/JU
Sample : M4695-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
289

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-BG111321.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	24.992	3652	3660	3674	rVB2	98699	315811	6.05%	0.877%
78	25.145	3677	3686	3699	rVB	130479	402620	7.71%	1.117%
79	25.303	3704	3713	3722	rBV2	156706	452253	8.67%	1.255%

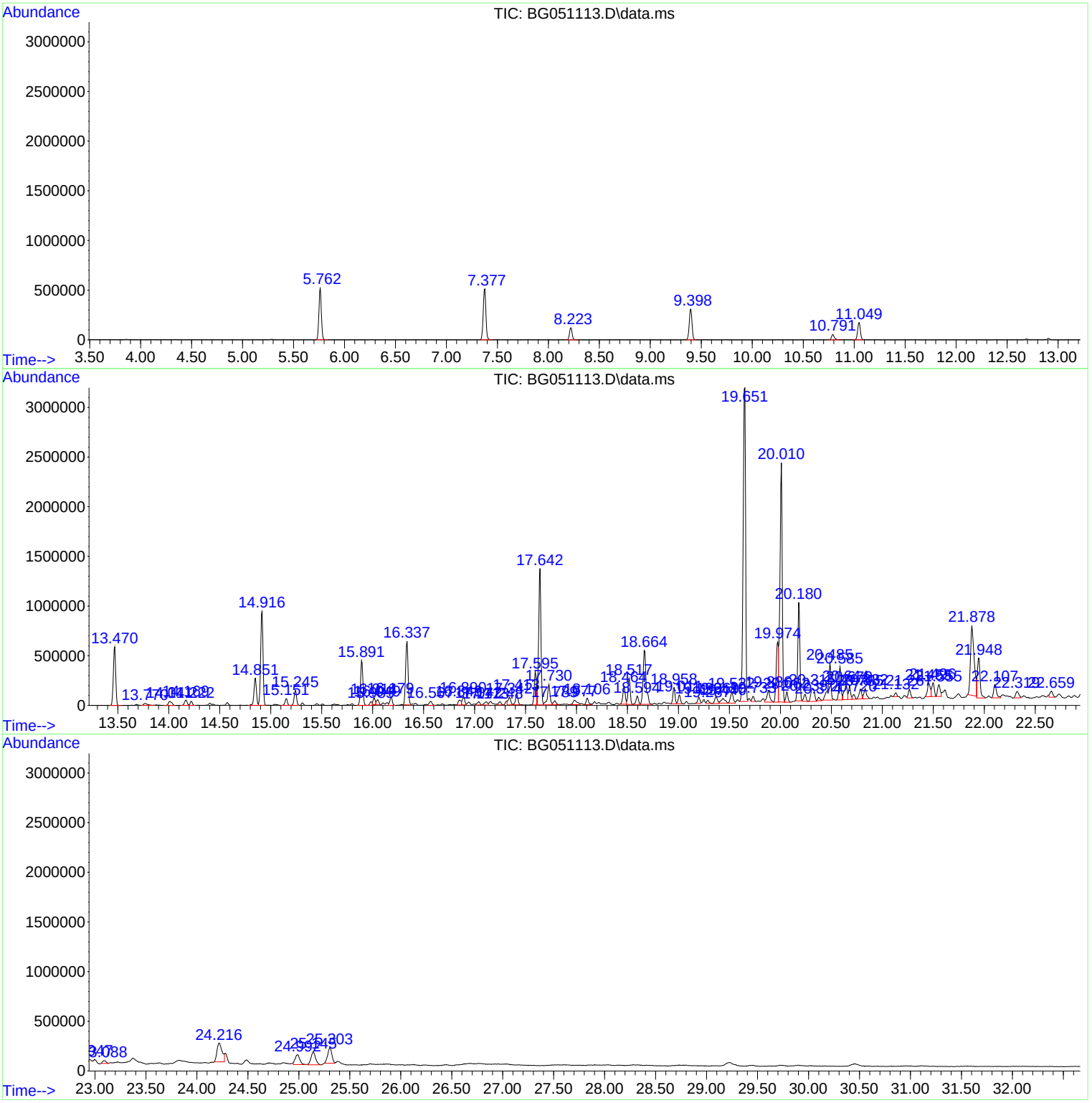
Sum of corrected areas: 36030023

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111821\
Data File : BG051113.D
Acq On : 18 Nov 2021 20:14
Operator : CG/JU
Sample : M4695-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
289

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.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\BG111821\
Data File : BG051113.D
Acq On : 18 Nov 2021 20:14
Operator : CG/JU
Sample : M4695-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
289

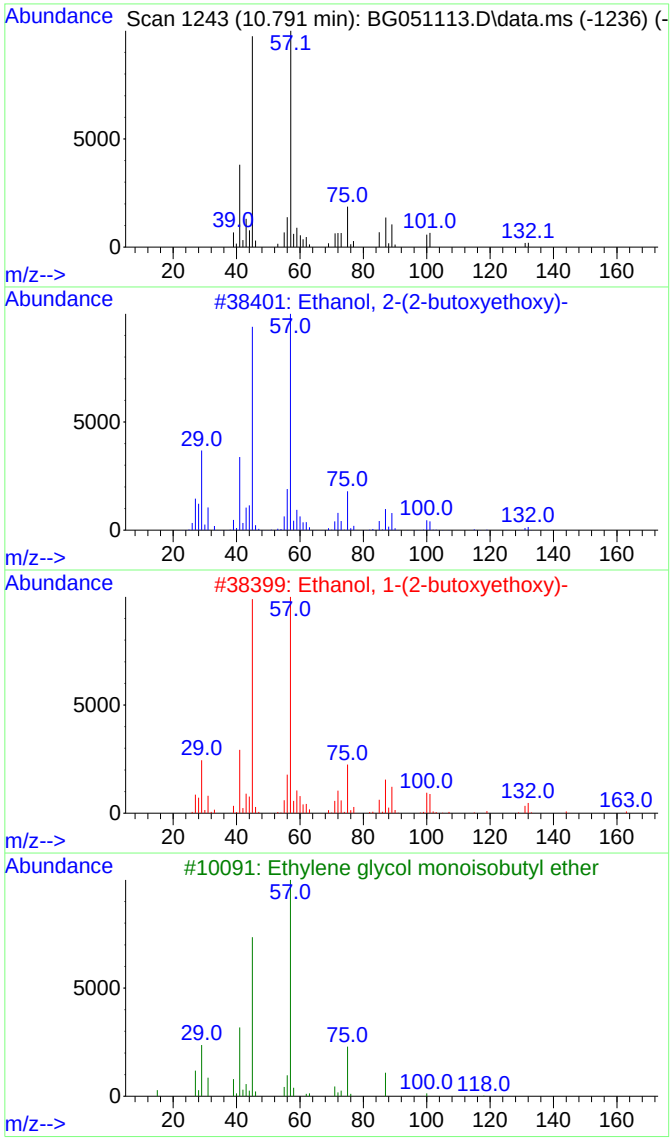
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

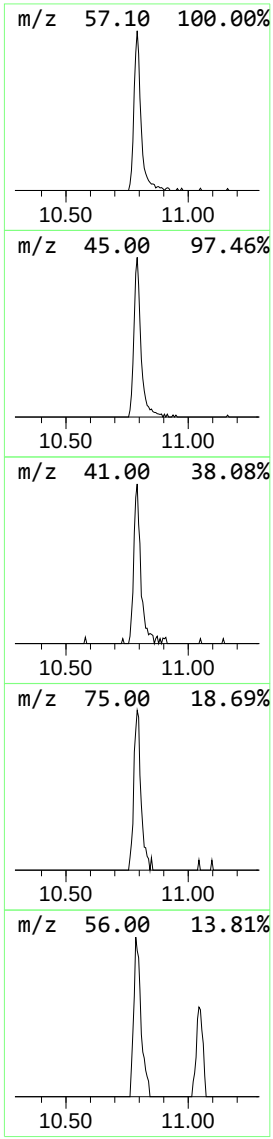
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Ethanol, 2-(2-butoxyethoxy)- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.791	6.53 ng	105859	Naphthalene-d8	11.050

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(2-butoxyethoxy)-	162	C8H18O3	000112-34-5	90
2	Ethanol, 1-(2-butoxyethoxy)-	162	C8H18O3	054446-78-5	83
3	Ethylene glycol monoisobutyl ether	118	C6H14O2	004439-24-1	64
4	Di-sec-Butyl ether	130	C8H18O	006863-58-7	53
5	Ethanol, 2-[2-(2-methylpropoxy)e...	162	C8H18O3	018912-80-6	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111821\
Data File : BG051113.D
Acq On : 18 Nov 2021 20:14
Operator : CG/JU
Sample : M4695-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
289

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

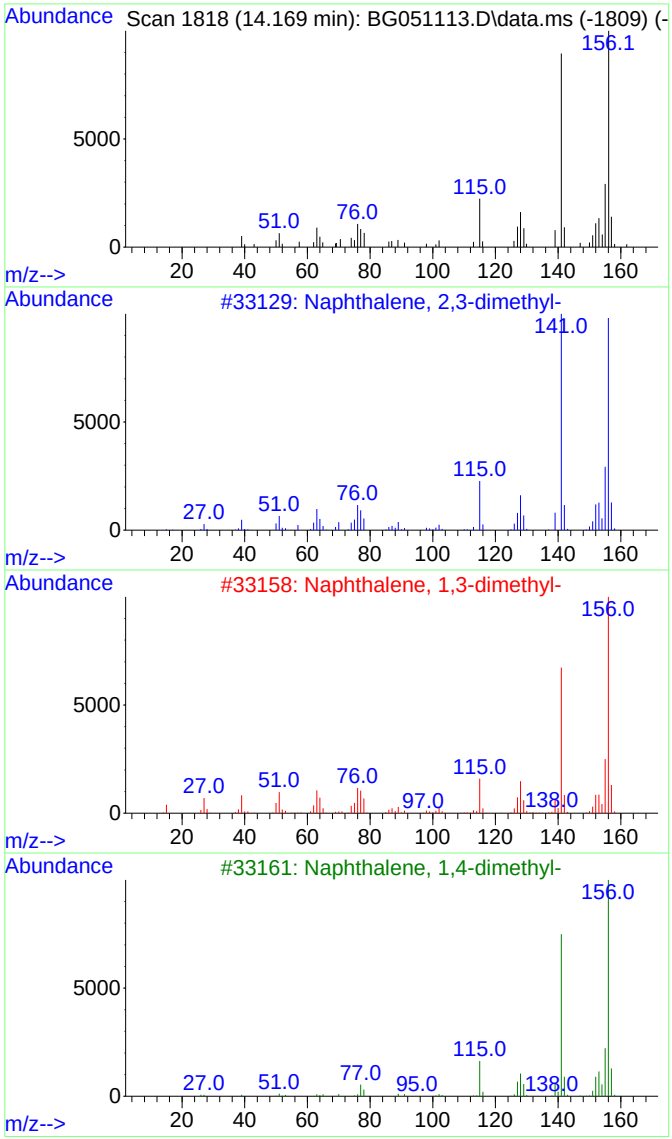
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

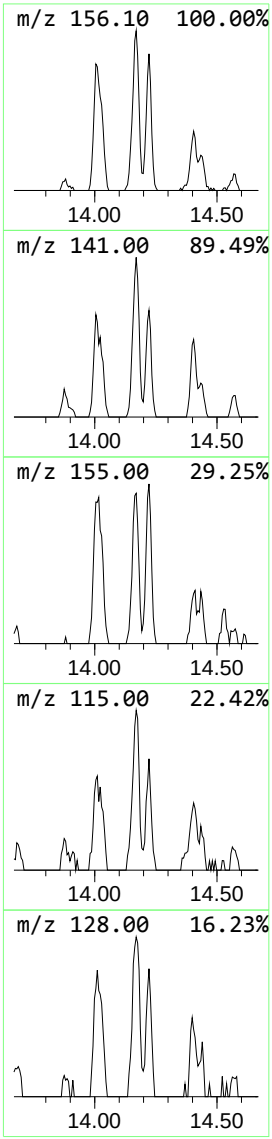
****

Peak Number 2 Naphthalene, 2,3-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.169	4.34 ng	99056	Acenaphthene-d10	14.851

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, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111821\
Data File : BG051113.D
Acq On : 18 Nov 2021 20:14
Operator : CG/JU
Sample : M4695-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
289

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

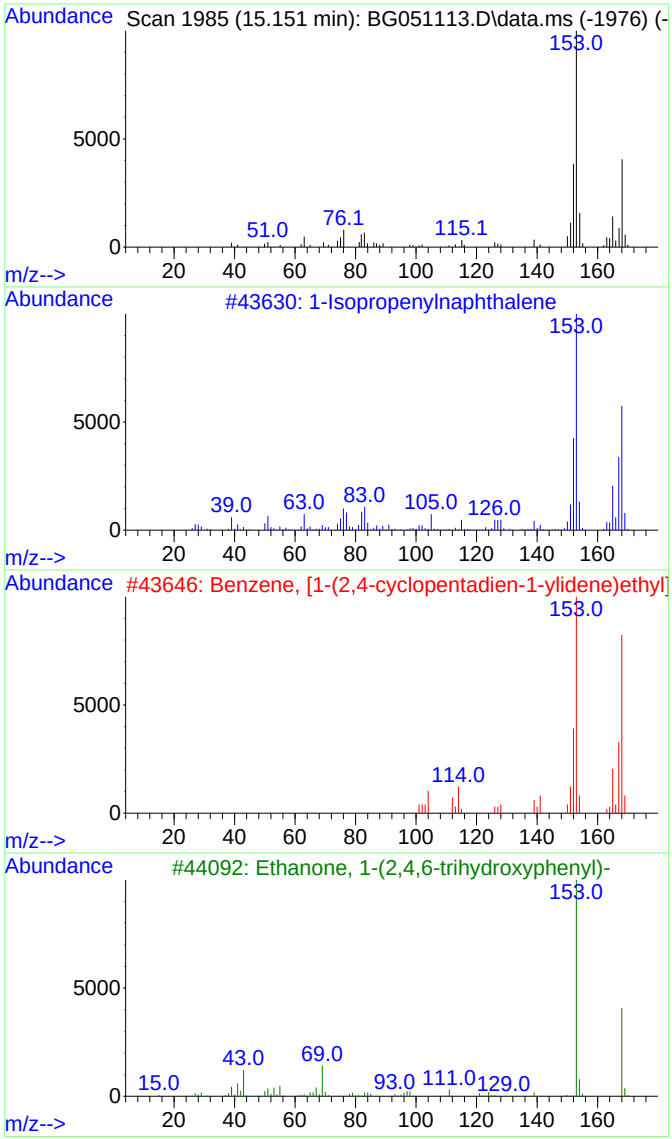
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

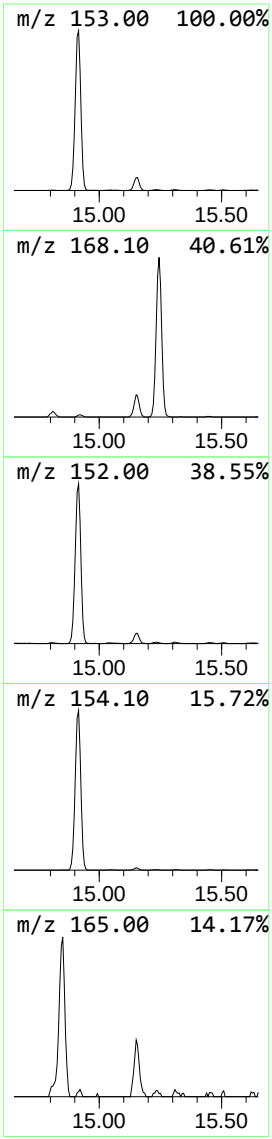
****

Peak Number 3 1-Isopropenylnaphthalene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.150	4.81 ng	109704	Acenaphthene-d10	14.851

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	87
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	56
3	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	52
4	Ethanone, 1-(2,3,4-trihydroxyphe...	168	C8H8O4	000528-21-2	50
5	1,3,5-Triazine-2,4(1H,3H)-dione,...	168	C6H8N4O2	092510-61-7	40





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111821\
Data File : BG051113.D
Acq On : 18 Nov 2021 20:14
Operator : CG/JU
Sample : M4695-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
289

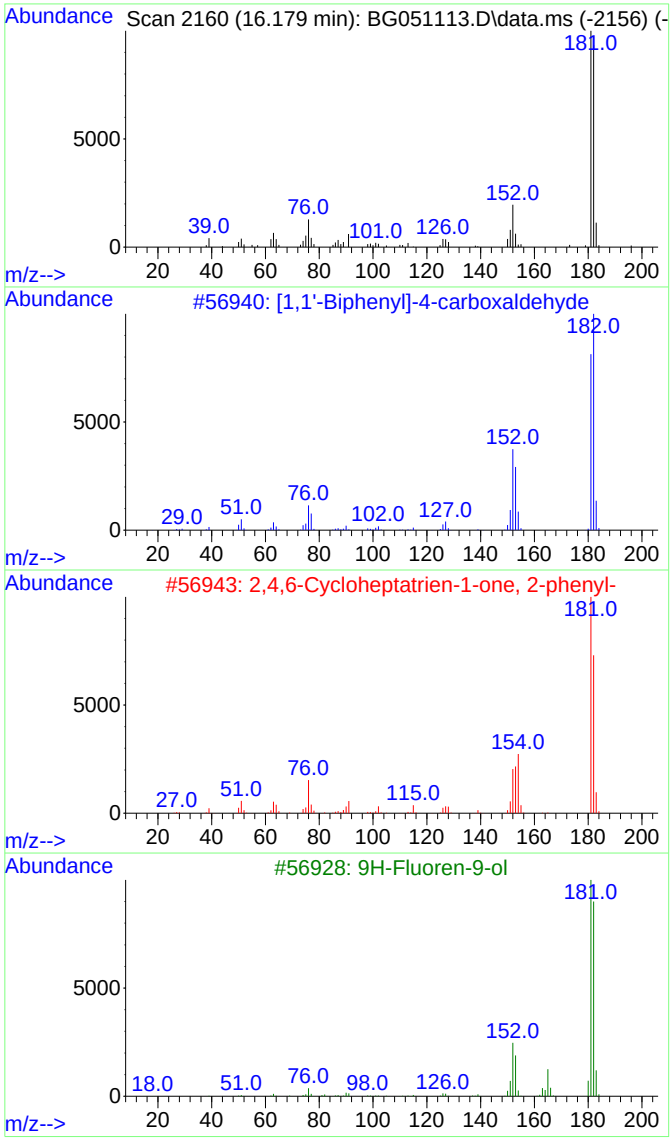
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

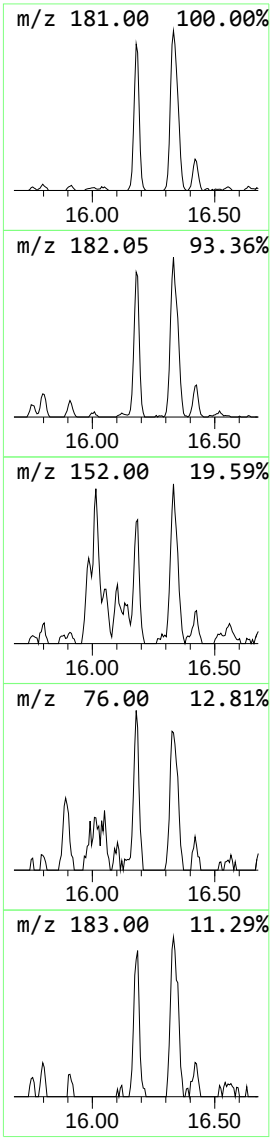
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.179	5.90 ng	134482	Acenaphthene-d10	14.851

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	76
5	9H-Xanthene	182	C13H10O	000092-83-1	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111821\
Data File : BG051113.D
Acq On : 18 Nov 2021 20:14
Operator : CG/JU
Sample : M4695-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
289

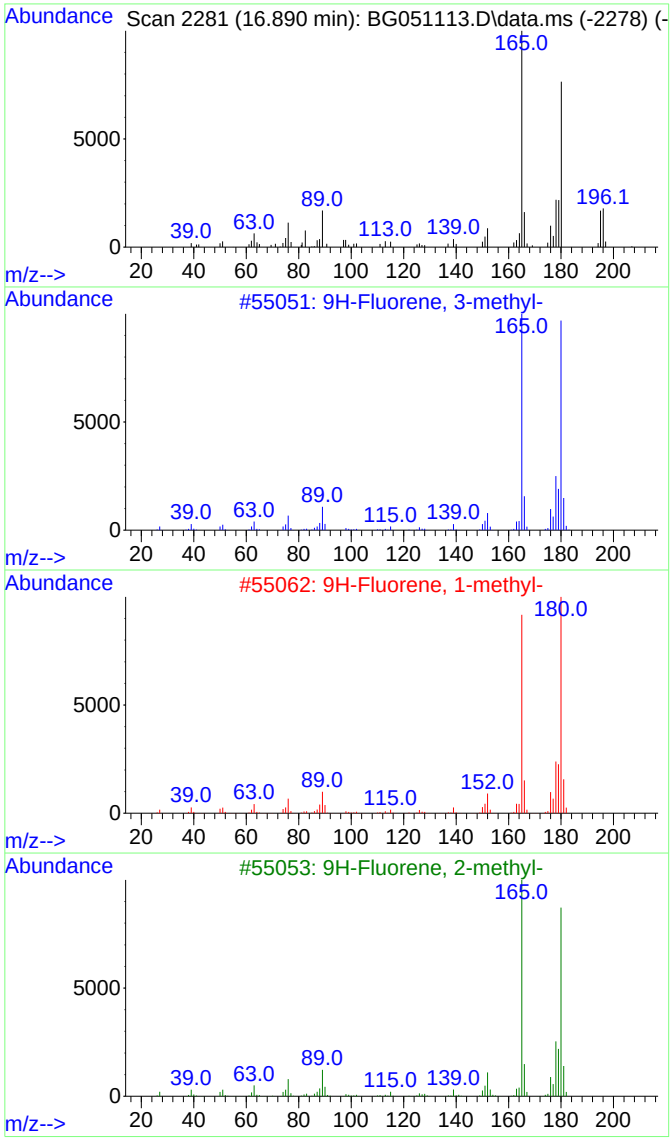
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

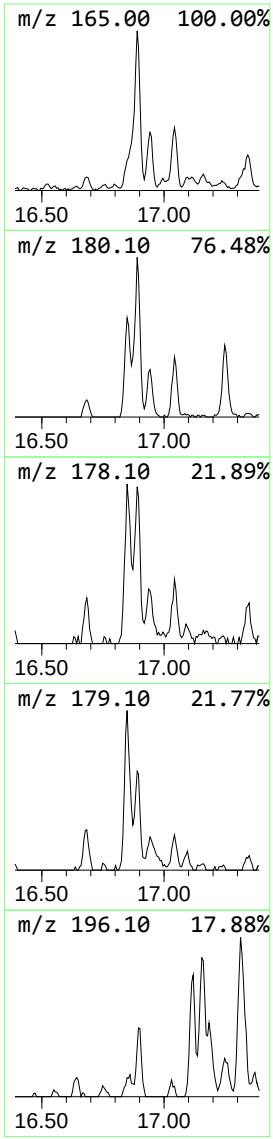
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 9H-Fluorene, 3-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.890	5.09 ng	133108	Phenanthrene-d10	17.595

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	90
5	(E)-Stilbene	180	C14H12	000103-30-0	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111821\
Data File : BG051113.D
Acq On : 18 Nov 2021 20:14
Operator : CG/JU
Sample : M4695-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
289

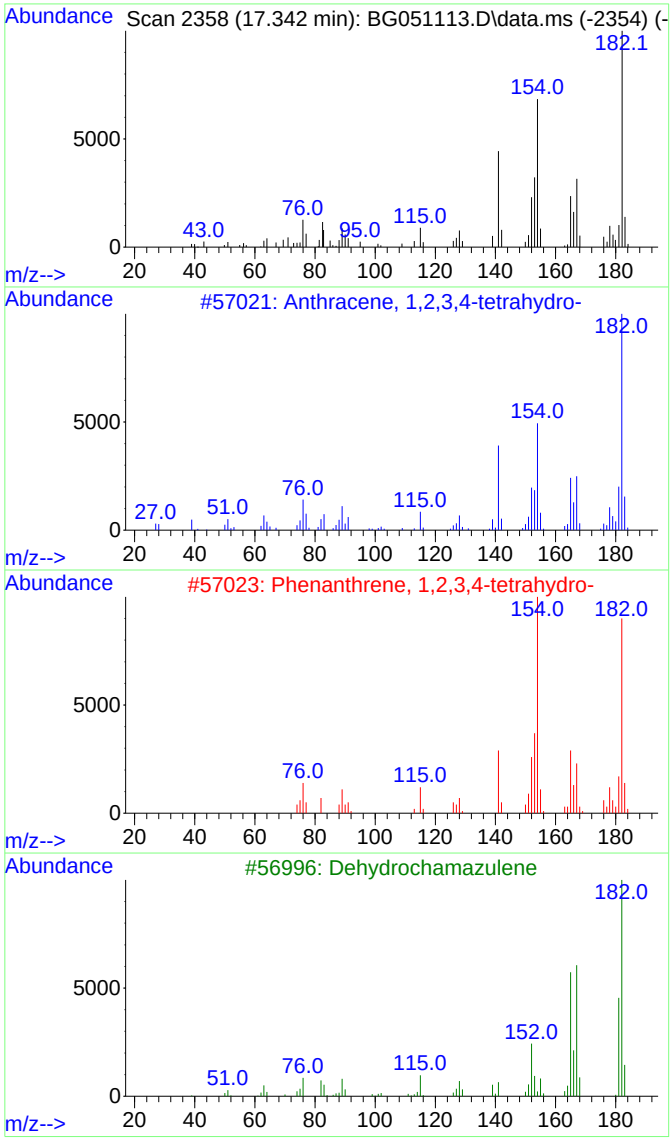
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

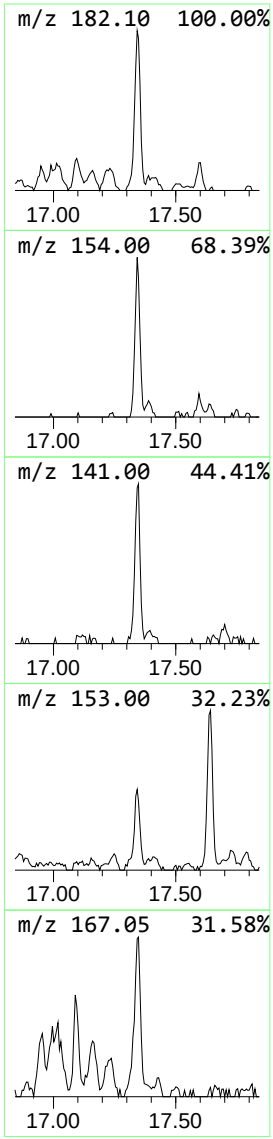
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.342	5.24 ng	136951	Phenanthrene-d10	17.595

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	93
2	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	58
3	Dehydrochamazulene	182	C14H14	321732-25-6	53
4	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	50
5	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	50





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Acq On : 18 Nov 2021 20:14
Operator : CG/JU
Sample : M4695-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
289

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.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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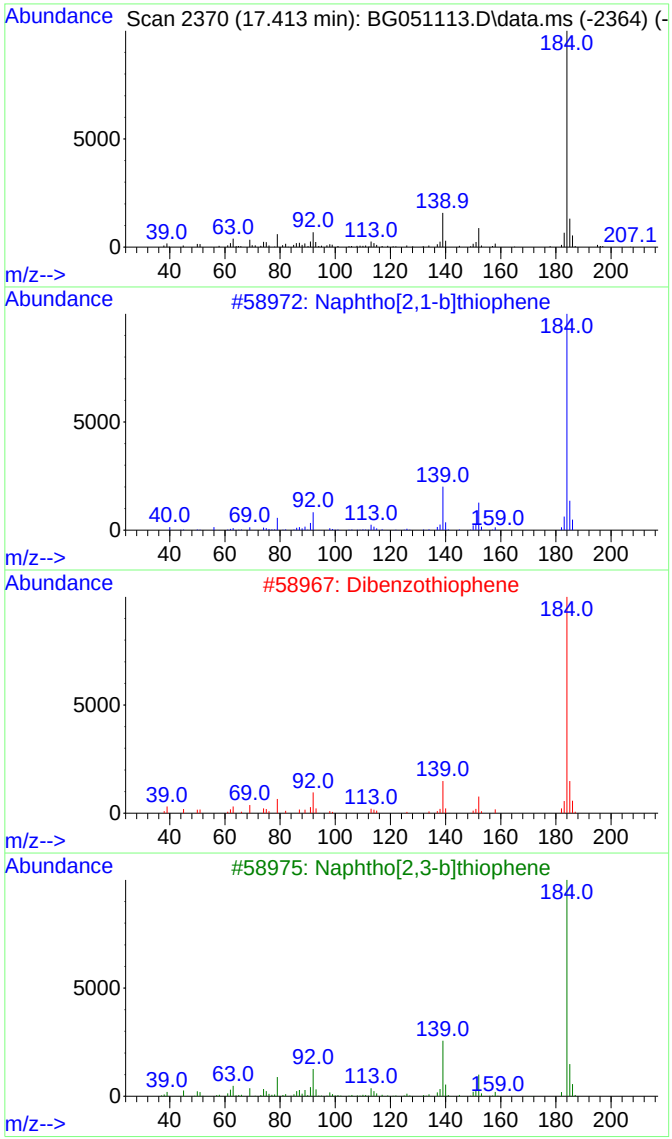
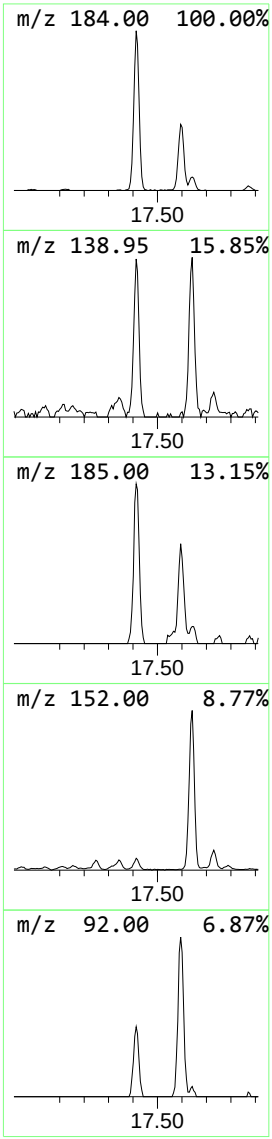
Peak Number 7 Naphtho[2,1-b]thiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.413	6.86 ng	179400	Phenanthrene-d10	17.595

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
2	Dibenzothiophene	184	C12H8S	000132-65-0	96
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





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Sample : M4695-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
289

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.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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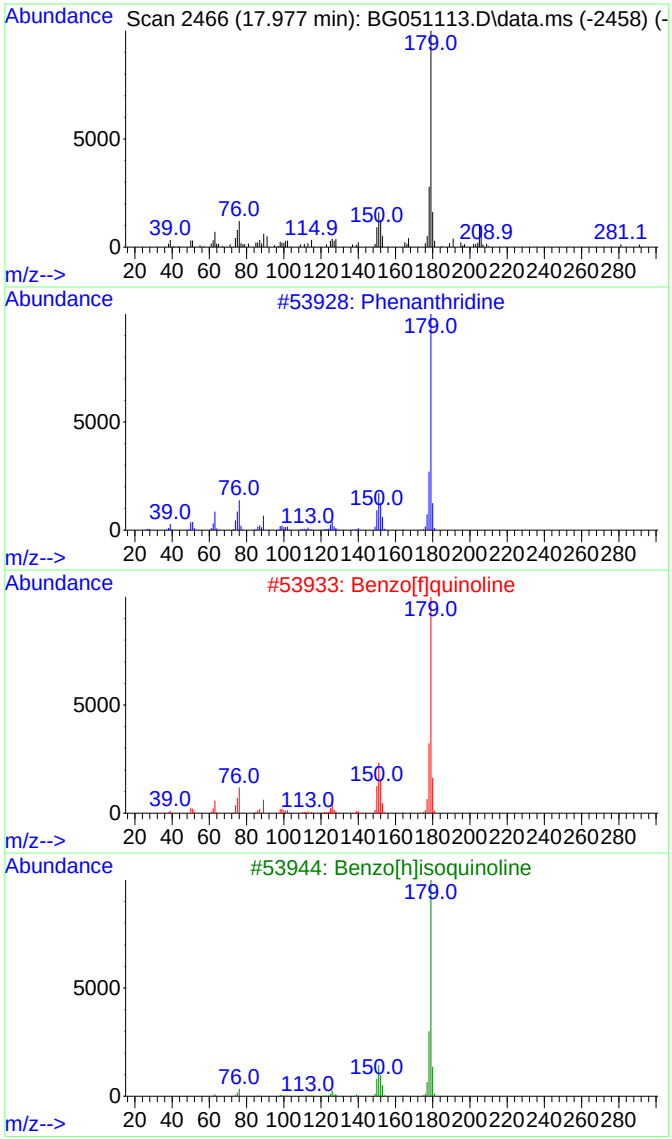
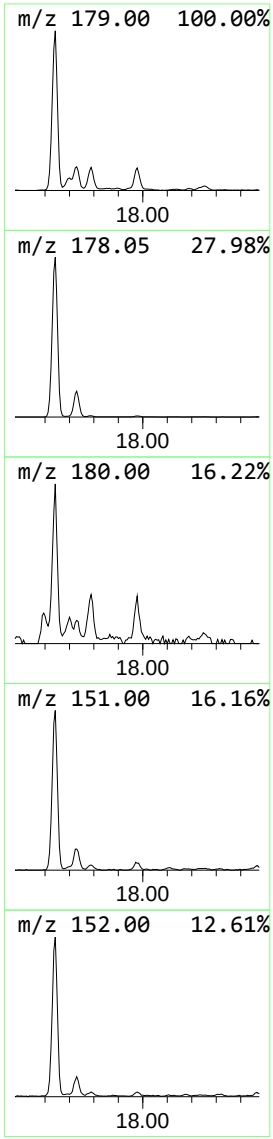
Peak Number 8 Phenanthridine Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.977	4.91 ng	128458	Phenanthrene-d10	17.595

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthridine	179	C13H9N	000229-87-8	96
2	Benzo[f]quinoline	179	C13H9N	000085-02-9	96
3	Benzo[h]isoquinoline	179	C13H9N	000229-71-0	93
4	Benzo[f]isoquinoline	179	C13H9N	000229-67-4	93
5	Benzo[g]isoquinoline	179	C13H9N	000260-32-2	93





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Sample : M4695-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

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

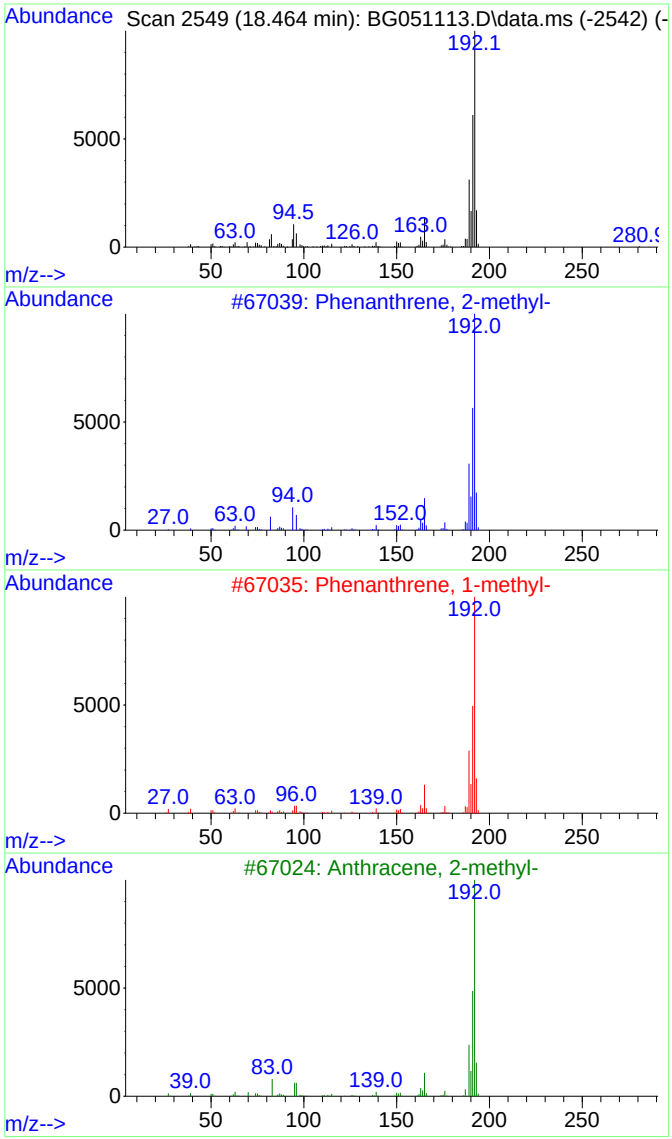
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

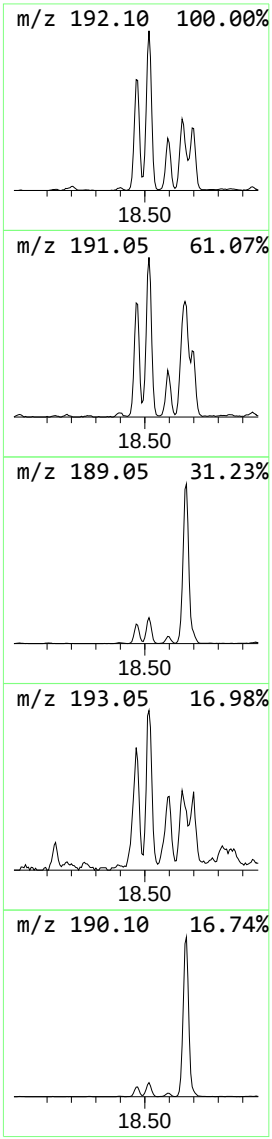
****

Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.464	11.29 ng	295277	Phenanthrene-d10	17.595

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





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Sample : M4695-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
289

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

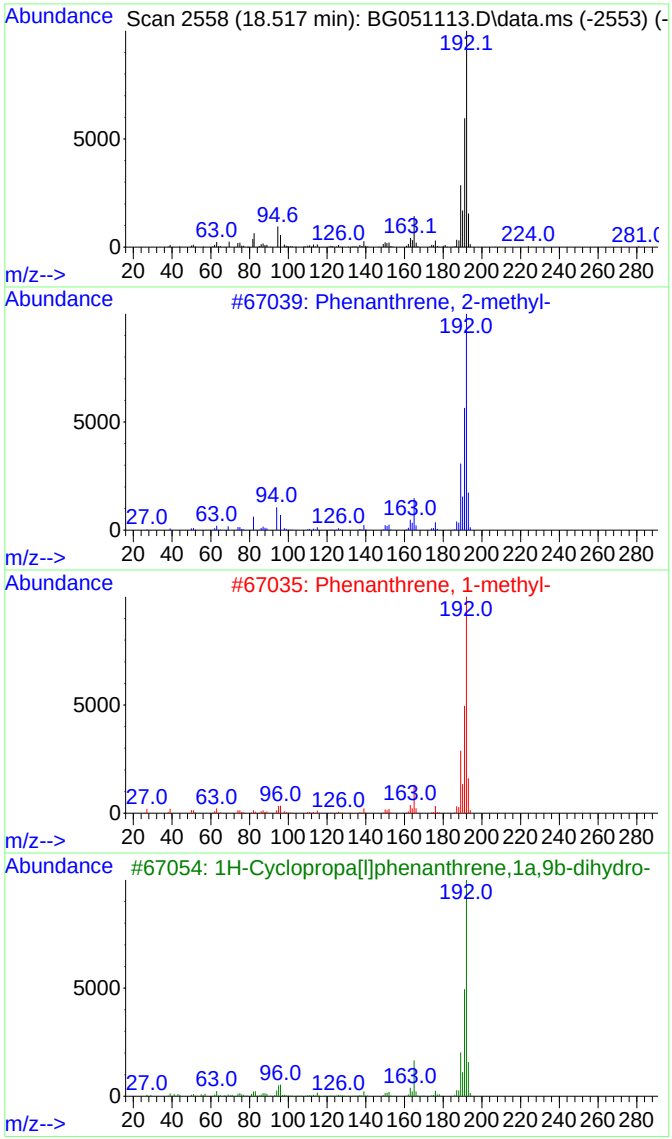
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

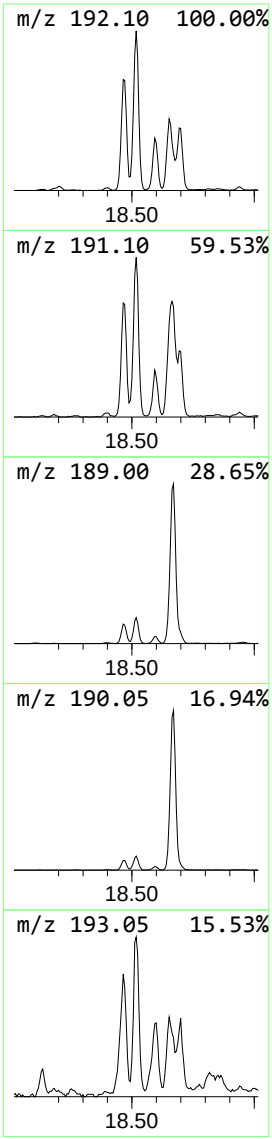
****

Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.517	15.05 ng	393599	Phenanthrene-d10	17.595

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	96
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95





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Sample : M4695-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.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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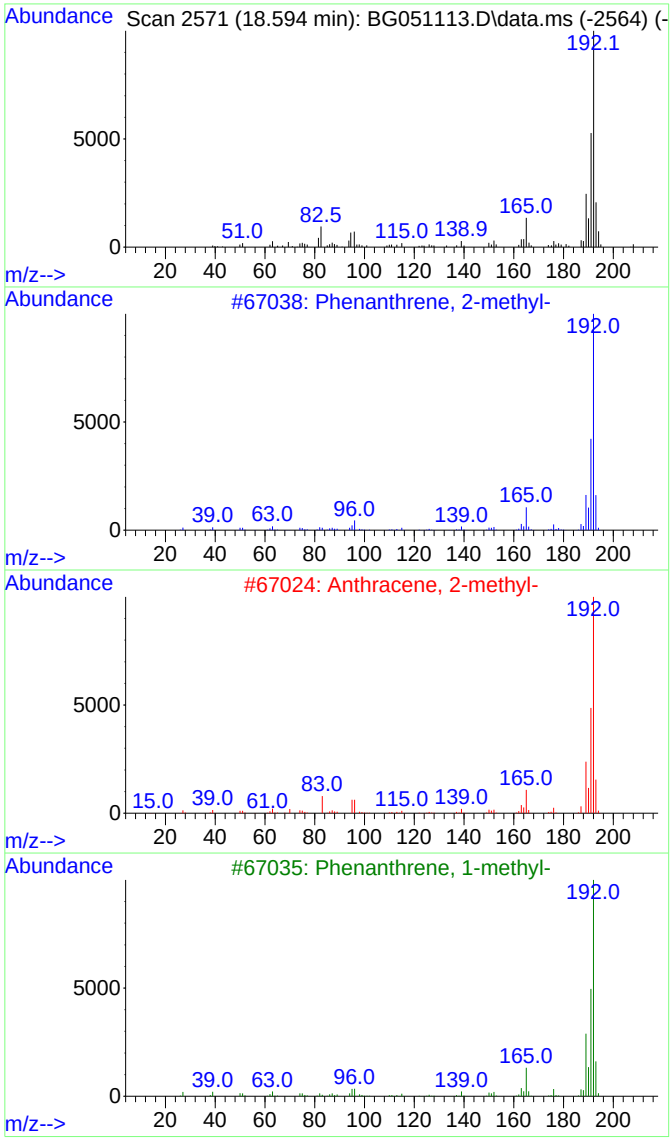
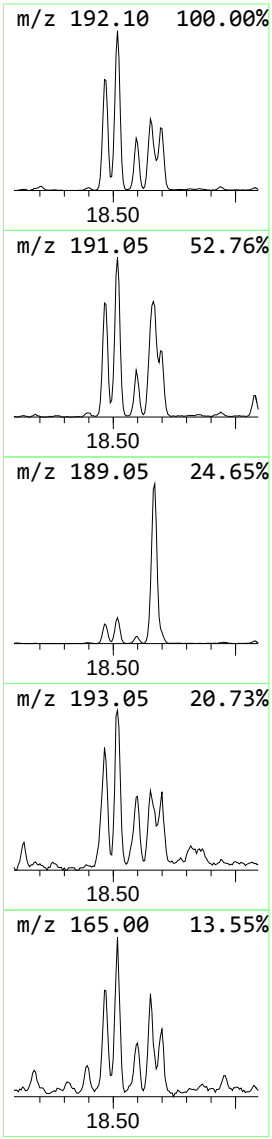
Peak Number 11 Anthracene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.594	5.21 ng	136343	Phenanthrene-d10	17.595

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





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Sample : M4695-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

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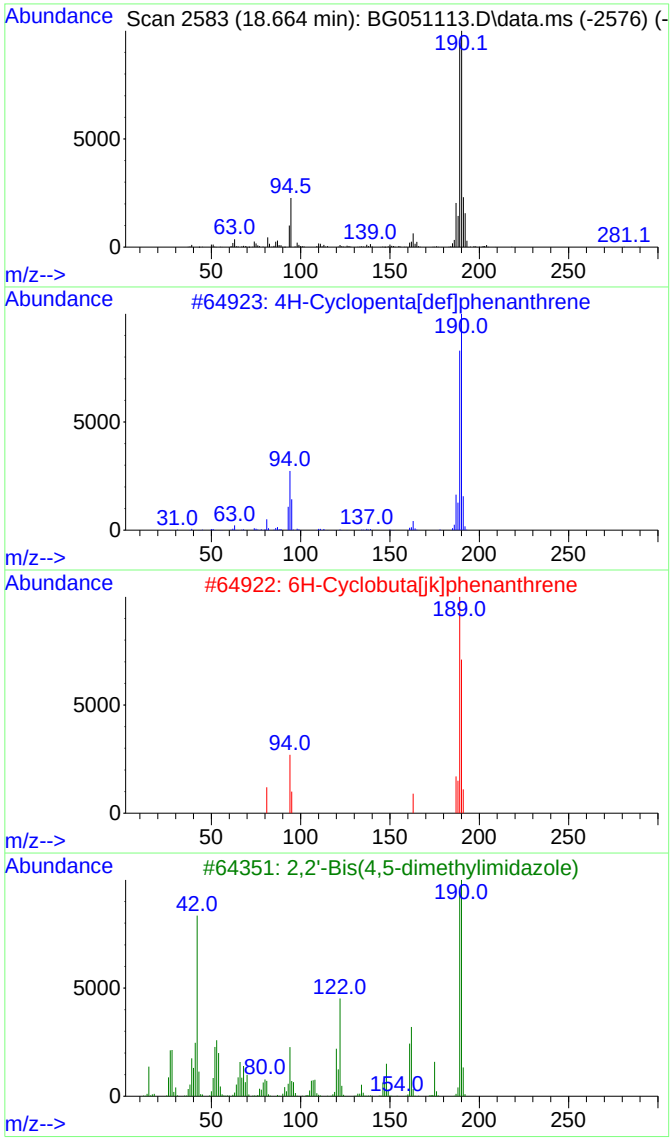
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

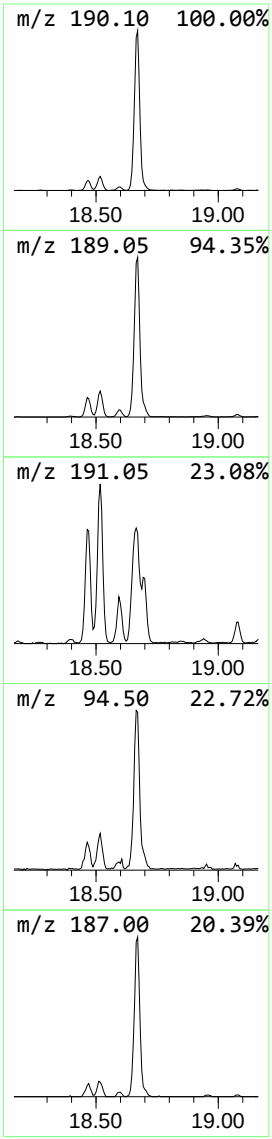
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.664	41.89 ng	1095560	Phenanthrene-d10	17.595

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	91
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	45
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
4	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	40
5	Methyl diselenide	190	C2H6Se2	007101-31-7	38





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Sample : M4695-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

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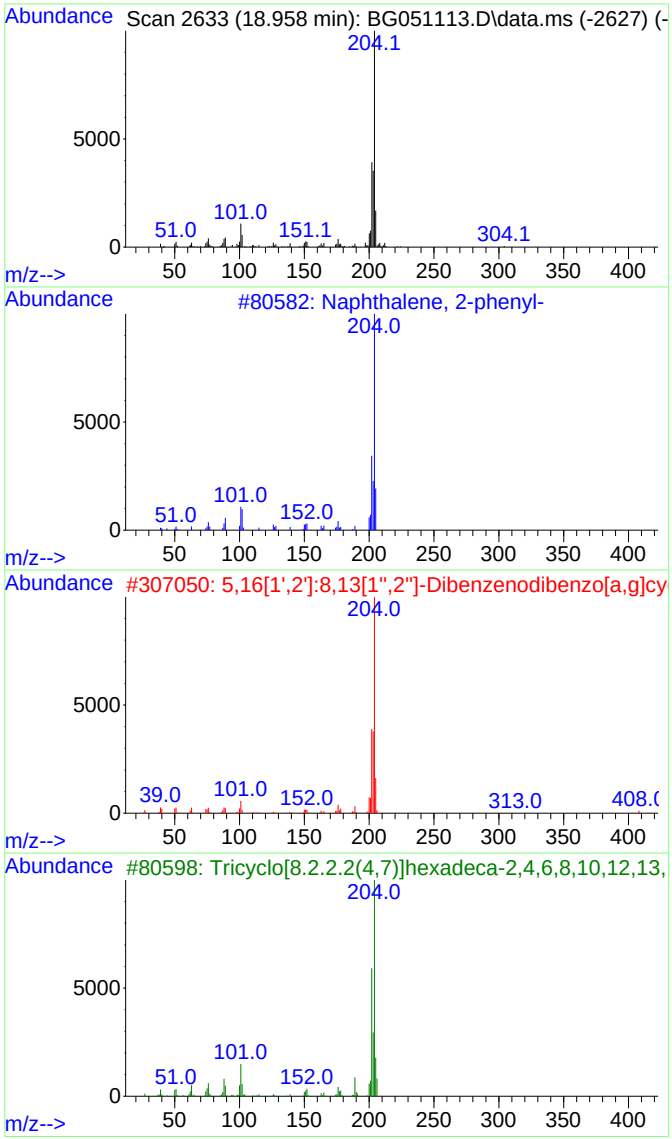
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

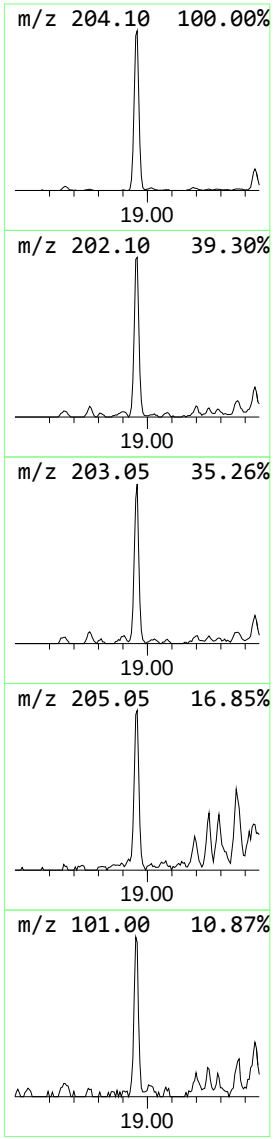
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.958	9.04 ng	236526	Phenanthrene-d10	17.595

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	76
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	64
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47





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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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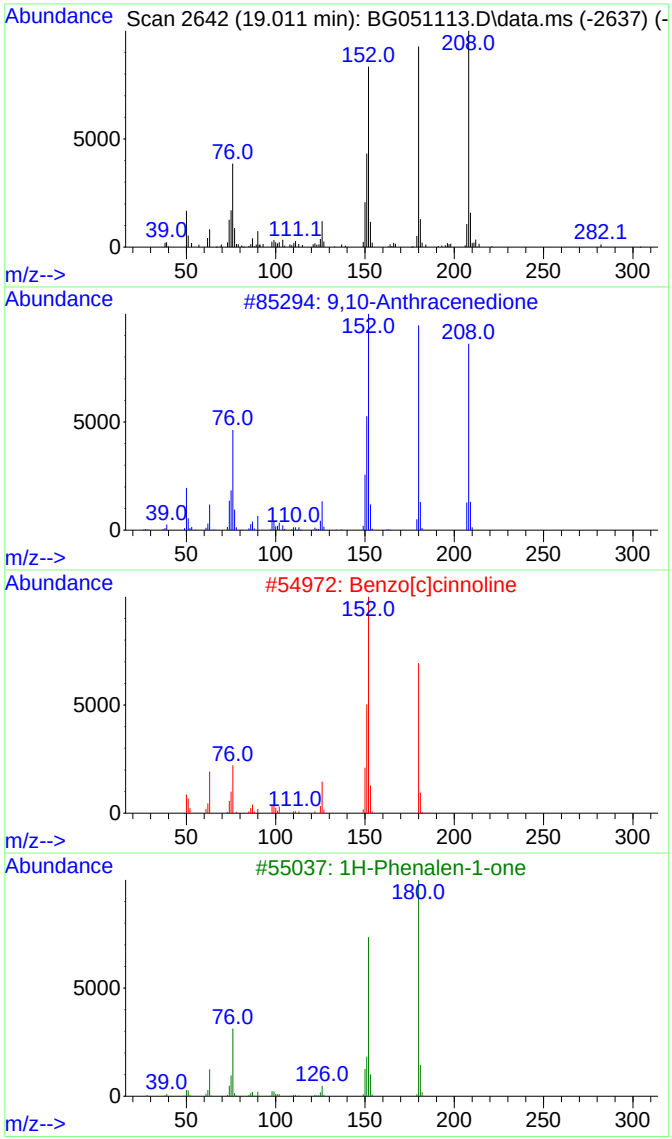
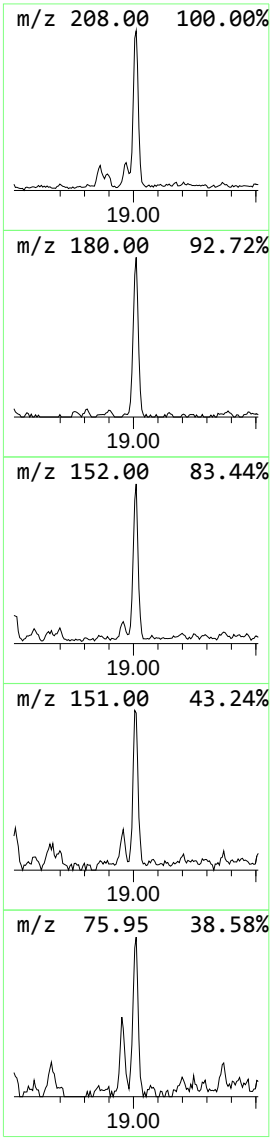
Peak Number 14 9,10-Anthracenedione Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.011	5.12 ng	133915	Phenanthrene-d10	17.595

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	78
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	58
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	55





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Sample : M4695-04
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ALS Vial : 12 Sample Multiplier: 1

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

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

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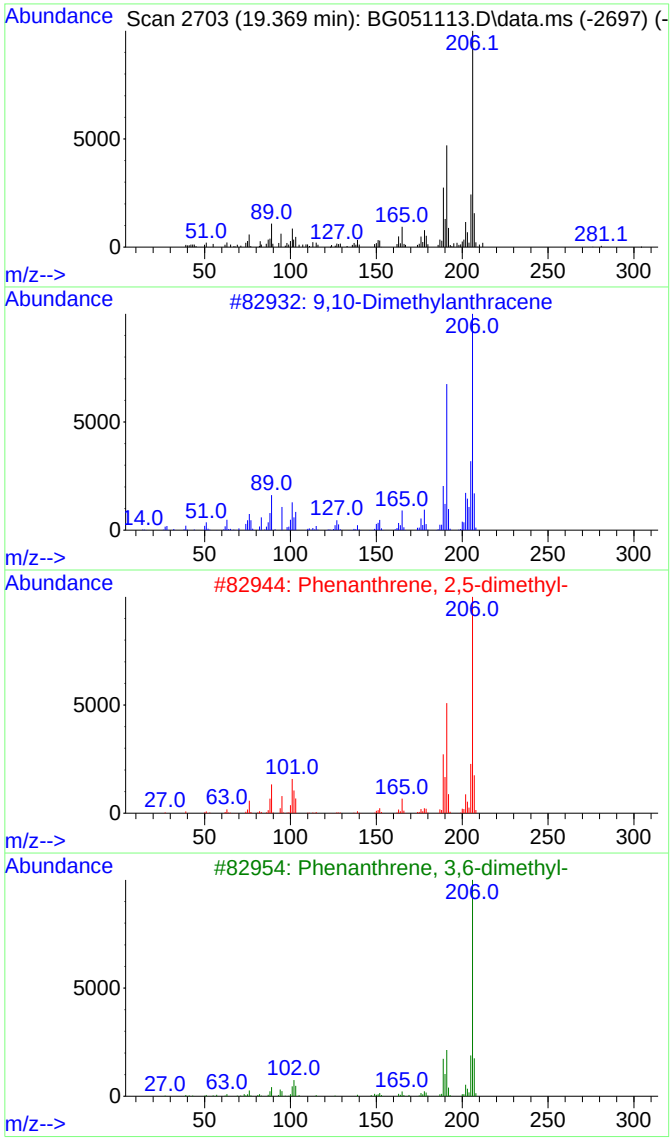
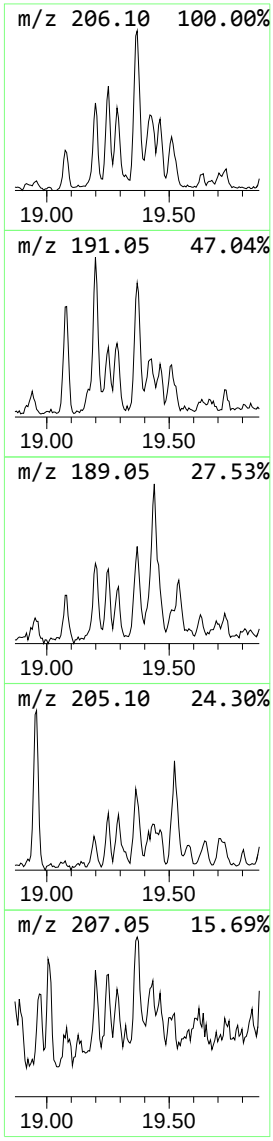
Peak Number 15 9,10-Dimethylanthracene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.369	4.92 ng	128553	Phenanthrene-d10	17.595

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
5	1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	90





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ALS Vial : 12 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

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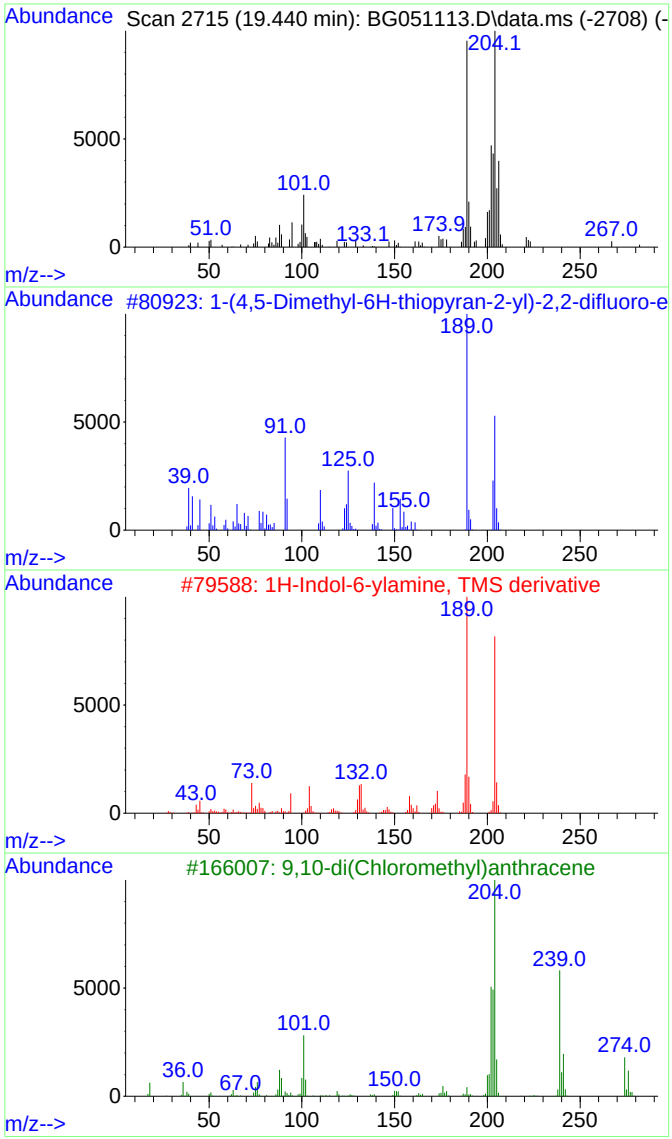
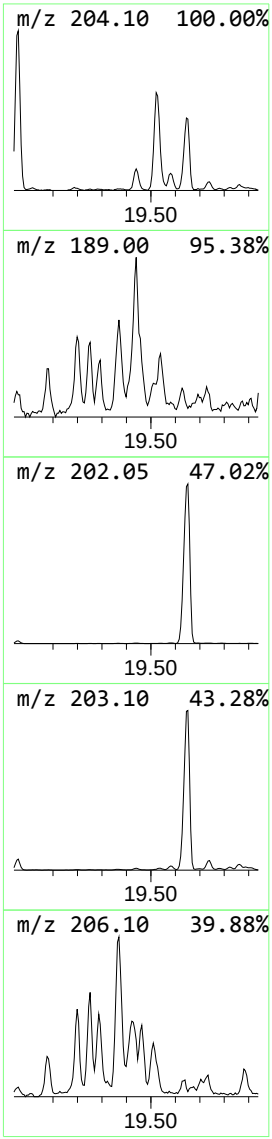
Peak Number 16 unknown19.440 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.440	4.93 ng	128913	Phenanthrene-d10	17.595

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(4,5-Dimethyl-6H-thiopyran-2-y...	204	C9H10F2OS	1000318-25-0	49
2	1H-Indol-6-ylamine, TMS derivative	204	C11H16N2Si	1000484-86-1	43
3	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	43
4	5-(Difluoromethyl)-3-methyl-1H-p...	204	C8H14F2N2Si	1000498-58-2	43
5	Pyrimidine, 4-chloro-6-(4-methyl...	204	C11H9ClN2	1000380-55-8	35





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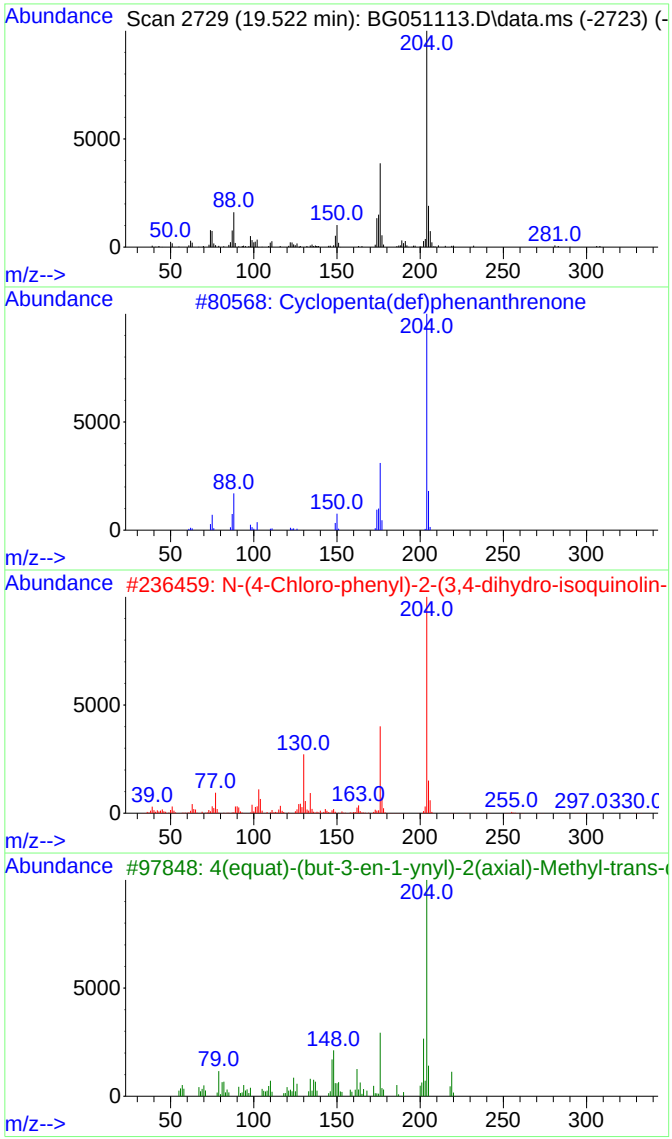
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

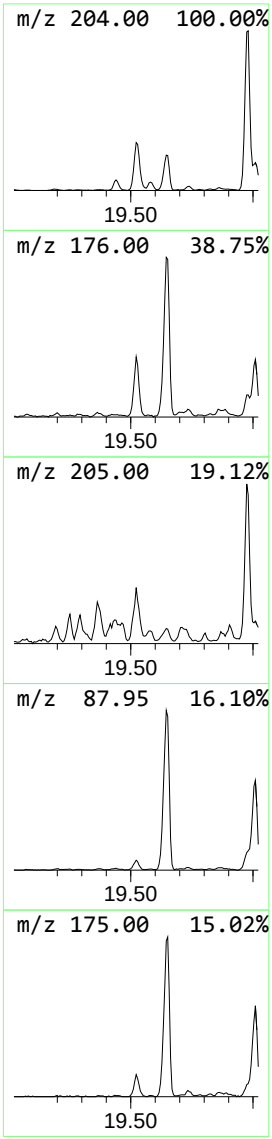
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.522	7.82 ng	204427	Phenanthrene-d10	17.595

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1010296-34-3	64
3	4(equat)-(but-3-en-1-ynyl)-2(axi...	219	C14H21NO	038423-22-2	59
4	(E)-Ethyl 3-oxo-2-(pyrid-2-yl)me...	219	C12H13NO3	1000147-59-7	50
5	6-Ethoxy-1,2,3,4-tetrahydro-2,2,...	219	C14H21NO	016489-90-0	50





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Sample : M4695-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
289

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.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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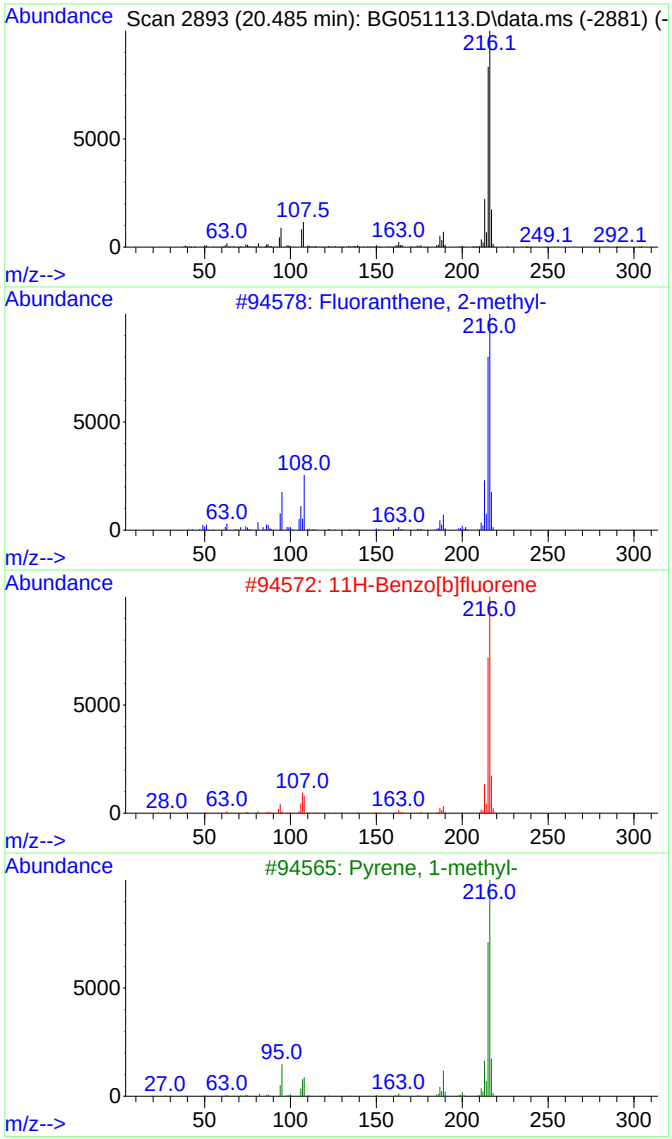
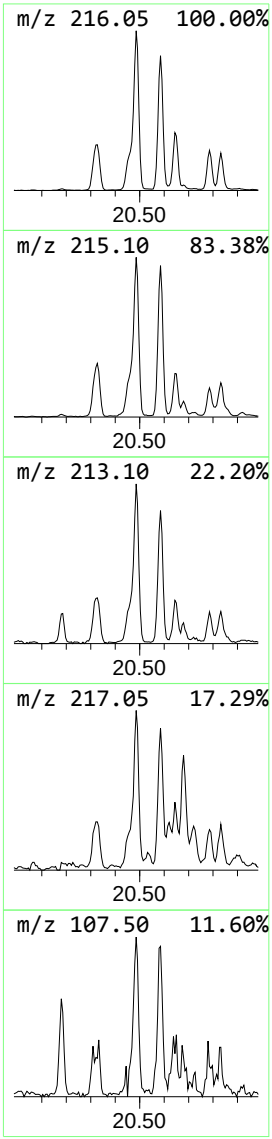
Peak Number 18 Fluoranthene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.485	8.06 ng	710857	Chrysene-d12	21.896

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111821\
Data File : BG051113.D
Acq On : 18 Nov 2021 20:14
Operator : CG/JU
Sample : M4695-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
289

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.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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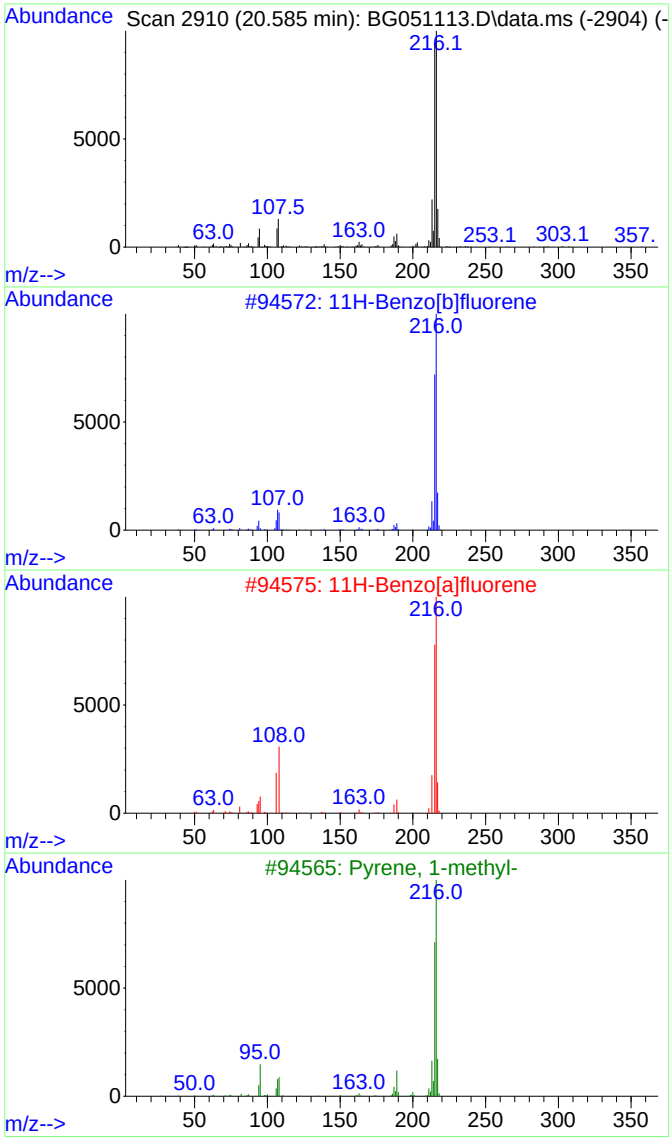
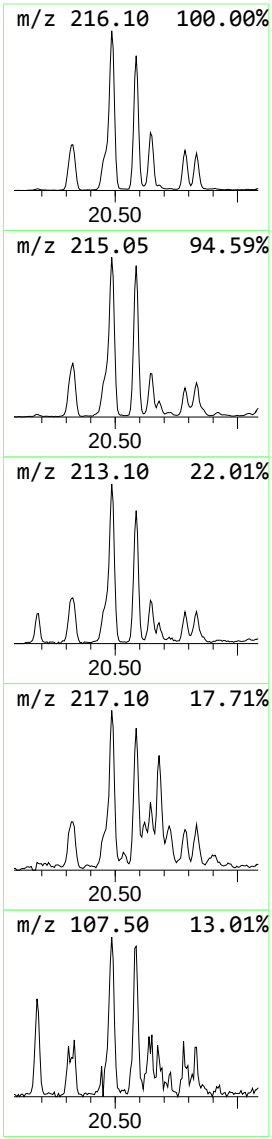
Peak Number 19 11H-Benzo[b]fluorene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.585	5.55 ng	489050	Chrysene-d12	21.896

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	97
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70
5	1,3,5-Triazine-2,4,6-triamine, N...	216	C10H12N6	046731-79-7	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111821\
Data File : BG051113.D
Acq On : 18 Nov 2021 20:14
Operator : CG/JU
Sample : M4695-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
289

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.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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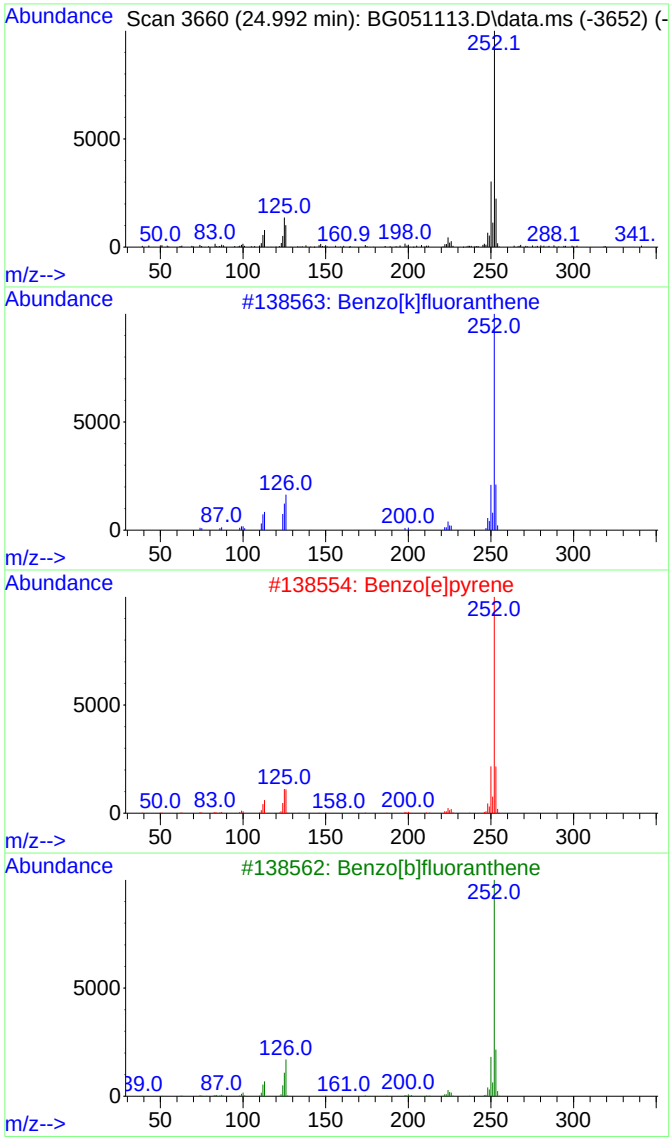
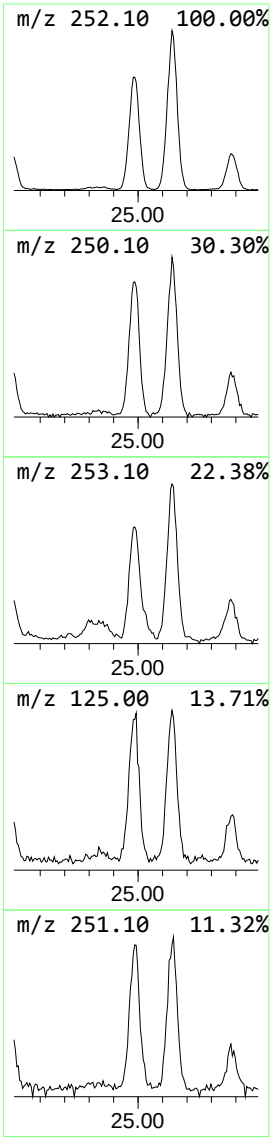
Peak Number 20 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.992	13.97 ng	315811	Perylene-d12	25.303

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
2	Benzo[e]pyrene	252	C20H12	000192-97-2	98
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93
5	Perylene	252	C20H12	000198-55-0	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111821\
Data File : BG051113.D
Acq On : 18 Nov 2021 20:14
Operator : CG/JU
Sample : M4695-04
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
289

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.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
Ethanol, 2-(2-b...	10.791	6.5	ng	105859	2	11.050	324069	20.0
Naphthalene, 2,...	14.169	4.3	ng	99056	3	14.851	456137	20.0
1-Isopropenylna...	15.150	4.8	ng	109704	3	14.851	456137	20.0
[1,1'-Biphenyl]...	16.179	5.9	ng	134482	3	14.851	456137	20.0
9H-Fluorene, 3-...	16.890	5.1	ng	133108	4	17.595	523010	20.0
Anthracene, 1,2...	17.342	5.2	ng	136951	4	17.595	523010	20.0
Naphtho[2,1-b]t...	17.413	6.9	ng	179400	4	17.595	523010	20.0
Phenanthridine	17.977	4.9	ng	128458	4	17.595	523010	20.0
Phenanthrene, 2...	18.464	11.3	ng	295277	4	17.595	523010	20.0
Phenanthrene, 1...	18.517	15.1	ng	393599	4	17.595	523010	20.0
Anthracene, 2-m...	18.594	5.2	ng	136343	4	17.595	523010	20.0
4H-Cyclopenta[d...	18.664	41.9	ng	1095560	4	17.595	523010	20.0
Naphthalene, 2-...	18.958	9.0	ng	236526	4	17.595	523010	20.0
9,10-Anthracene...	19.011	5.1	ng	133915	4	17.595	523010	20.0
9,10-Dimethylan...	19.369	4.9	ng	128553	4	17.595	523010	20.0
unknown19.440	19.440	4.9	ng	128913	4	17.595	523010	20.0
Cyclopenta(def)...	19.522	7.8	ng	204427	4	17.595	523010	20.0
Fluoranthene, 2...	20.485	8.1	ng	710857	5	21.896	1763480	20.0
11H-Benzo[b]flu...	20.585	5.5	ng	489050	5	21.896	1763480	20.0
Benzo[e]pyrene	24.992	14.0	ng	315811	6	25.303	452253	20.0