LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102221\
Data File : BG050699.D
Acq On : 22 Oct 2021 21:42
Operator : CG/JU
Sample : M4285-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MH-GA-(1)

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: BG050699.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.324	306	312	320	rBV	55413	92288	1.68%	0.157%
2	5.794	385	392	402	rBV	798653	1373008	25.03%	2.339%
3	7.398	655	665	678	rBV	823802	1479841	26.98%	2.521%
4	8.250	803	810	820	rBV	187989	325961	5.94%	0.555%
5	9.425	1000	1010	1023	rBV	540745	1004163	18.31%	1.711%
6	10.817	1239	1247	1259	rBV	72940	150409	2.74%	0.256%
7	11.076	1283	1291	1296	rBV	259728	481289	8.77%	0.820%
8	11.129	1296	1300	1307	rVB	86568	147929	2.70%	0.252%
9	12.715	1563	1570	1577	rBV	72159	124043	2.26%	0.211%
10	12.933	1596	1607	1614	rBV	81257	137228	2.50%	0.234%
11	13.497	1695	1703	1714	rVB	1233026	2003478	36.52%	3.413%
12	13.708	1734	1739	1751	rVB2	28542	56842	1.04%	0.097%
13	14.031	1787	1794	1795	rBV	43766	59696	1.09%	0.102%
14	14.190	1814	1821	1826	rBV2	92226	167376	3.05%	0.285%
15	14.243	1826	1830	1836	rVB	55860	87257	1.59%	0.149%
16	14.425	1855	1861	1865	rBV3	44376	77419	1.41%	0.132%
17	14.595	1884	1890	1899	rBV2	56349	105079	1.92%	0.179%
18	14.871	1932	1937	1942	rVV	368616	590881	10.77%	1.007%
19	14.930	1942	1947	1954	rVB	326831	540121	9.85%	0.920%
20	15.265	1997	2004	2011	rVV	239987	399071	7.28%	0.680%
21	15.330	2011	2015	2024	rVB	43334	71730	1.31%	0.122%
22	15.477	2031	2040	2045	rBV3	38220	75276	1.37%	0.128%
23	15.647	2061	2069	2072	rBV4	31531	68064	1.24%	0.116%
24	15.911	2107	2114	2124	rVB	392918	650795	11.86%	1.109%
25	16.076	2138	2142	2146	rVB	51543	74067	1.35%	0.126%
26	16.205	2159	2164	2172	rVB	115040	200561	3.66%	0.342%
27	16.352	2183	2189	2198	rBV	753342	1374145	25.05%	2.341%
28	16.587	2223	2229	2238	rVB6	37278	87251	1.59%	0.149%
29	16.916	2273	2285	2289	rBV4	95193	234146	4.27%	0.399%
30	16.963	2289	2293	2298	rVB2	41362	63116	1.15%	0.108%
31	17.139	2315	2323	2326	rBV3	64625	136514	2.49%	0.233%
32	17.181	2326	2330	2333	rVV3	39391	55202	1.01%	0.094%
33	17.269	2339	2345	2351	rVB	188884	303707	5.54%	0.517%
34	17.333	2351	2356	2365	rBV2	70212	149272	2.72%	0.254%
35	17.433	2368	2373	2382	rVB	191757	309113	5.64%	0.527%
36	17.615	2398	2404	2407	rBV	365090	625776	11.41%	1.066%

LSC Area Percent Report

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Sample : M4285-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MH-GA-(1)

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	17.668	2407	2413	2418	rVV	2916069	4891582	89.17%	8.333%
38	17.750	2418	2427	2433	rVV	757543	1159271	21.13%	1.975%
39	18.015	2462	2472	2479	rBV2	267459	545269	9.94%	0.929%
40	18.126	2487	2491	2497	rBV2	66346	102201	1.86%	0.174%
41	18.197	2498	2503	2509	rVV3	68068	112639	2.05%	0.192%
42	18.338	2523	2527	2535	rVB	36339	75106	1.37%	0.128%
43	18.491	2547	2553	2556	rBV	336336	517083	9.43%	0.881%
44	18.538	2556	2561	2567	rVB	480221	722542	13.17%	1.231%
45	18.614	2567	2574	2579	rBV	173927	280683	5.12%	0.478%
46	18.685	2579	2586	2590	rBV3	487149	997943	18.19%	1.700%
47	18.785	2596	2603	2606	rBV5	32030	61866	1.13%	0.105%
48	18.978	2631	2636	2640	rBV	289764	414261	7.55%	0.706%
49	19.025	2640	2644	2651	rVB	337613	489075	8.92%	0.833%
50	19.219	2673	2677	2681	rVB	68231	94152	1.72%	0.160%
51	19.272	2681	2686	2689	rBV	59379	85503	1.56%	0.146%
52	19.307	2689	2692	2696	rVB3	67481	87717	1.60%	0.149%
53	19.390	2700	2706	2712	rBV	172037	377496	6.88%	0.643%
54	19.454	2712	2717	2720	rBV2	58833	103201	1.88%	0.176%
55	19.537	2726	2731	2739	rVB2	174051	314655	5.74%	0.536%
56	19.666	2745	2753	2758	rBV	3479882	5485454	100.00%	9.345%
57	19.713	2758	2761	2764	rVV	49712	58264	1.06%	0.099%
58	19.748	2764	2767	2772	rVB2	94331	130033	2.37%	0.222%
59	19.807	2773	2777	2780	rBV2	61222	93130	1.70%	0.159%
60	19.848	2780	2784	2787	rVV2	74096	115175	2.10%	0.196%
61	19.901	2789	2793	2801	rVV	139404	266986	4.87%	0.455%
62	19.989	2802	2808	2810	rVV2	566537	969503	17.67%	1.652%
63	20.024	2810	2814	2820	rVV	2766868	4239337	77.28%	7.222%
64	20.083	2820	2824	2830	rVB	165414	238708	4.35%	0.407%
65	20.206	2837	2845	2849	rBV2	1661322	2367974	43.17%	4.034%
66	20.253	2849	2853	2860	rVB	89912	158620	2.89%	0.270%
67	20.330	2860	2866	2873	rBV2	204413	551882	10.06%	0.940%
68	20.394	2873	2877	2883	rVB	61683	90618	1.65%	0.154%
69	20.506	2884	2896	2901	rBV	433756	921773	16.80%	1.570%
70	20.606	2908	2913	2916	rBV	238375	359505	6.55%	0.612%
71	20.665	2916	2923	2926	rVB2	197872	386185	7.04%	0.658%
72	20.735	2933	2935	2942	rVB4	52570	73005	1.33%	0.124%
73	20.806	2943	2947	2950	rVV	130181	194818	3.55%	0.332%
74	20.853	2951	2955	2965	rVB	145451	262946	4.79%	0.448%
75	21.282	3024	3028	3035	rVB	265308	416721	7.60%	0.710%
76	21.475	3054	3061	3065	rBV2	230481	515429	9.40%	0.878%

LSC Area Percent Report

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Acq On : 22 Oct 2021 21:42
Operator : CG/JU
Sample : M4285-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MH-GA-(1)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
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Start Thrs: 0.2 Max Peaks: 100
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Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	21.522	3065	3069	3073	rVV	259079	462637	8.43%	0.788%
78	21.575	3073	3078	3083	rVV2	246225	504509	9.20%	0.859%
79	21.634	3083	3088	3096	rVB2	287831	551965	10.06%	0.940%
80	21.904	3126	3134	3141	rBV3	1447056	3381366	61.64%	5.760%
81	21.975	3141	3146	3157	rVB	1150486	2145006	39.10%	3.654%
82	22.134	3167	3173	3179	rBV	186555	349910	6.38%	0.596%
83	22.198	3180	3184	3188	rBV3	70017	125842	2.29%	0.214%
84	22.345	3204	3209	3216	rBV2	164128	306356	5.58%	0.522%
85	22.686	3263	3267	3272	rVB	161394	264982	4.83%	0.451%
86	22.762	3276	3280	3289	rVB3	120231	234409	4.27%	0.399%
87	22.974	3312	3316	3320	rBV2	80323	144616	2.64%	0.246%
88	24.255	3524	3534	3542	rBV2	724164	2697000	49.17%	4.595%
89	24.519	3573	3579	3589	rVB	138950	349360	6.37%	0.595%
90	25.024	3657	3665	3677	rVB	389452	1190706	21.71%	2.028%
91	25.183	3682	3692	3706	rVB	588761	1824849	33.27%	3.109%
92	25.342	3712	3719	3726	rBV3	138956	392567	7.16%	0.669%
93	25.424	3728	3733	3748	rVB3	171045	563469	10.27%	0.960%

Sum of corrected areas: 58699974

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102221\
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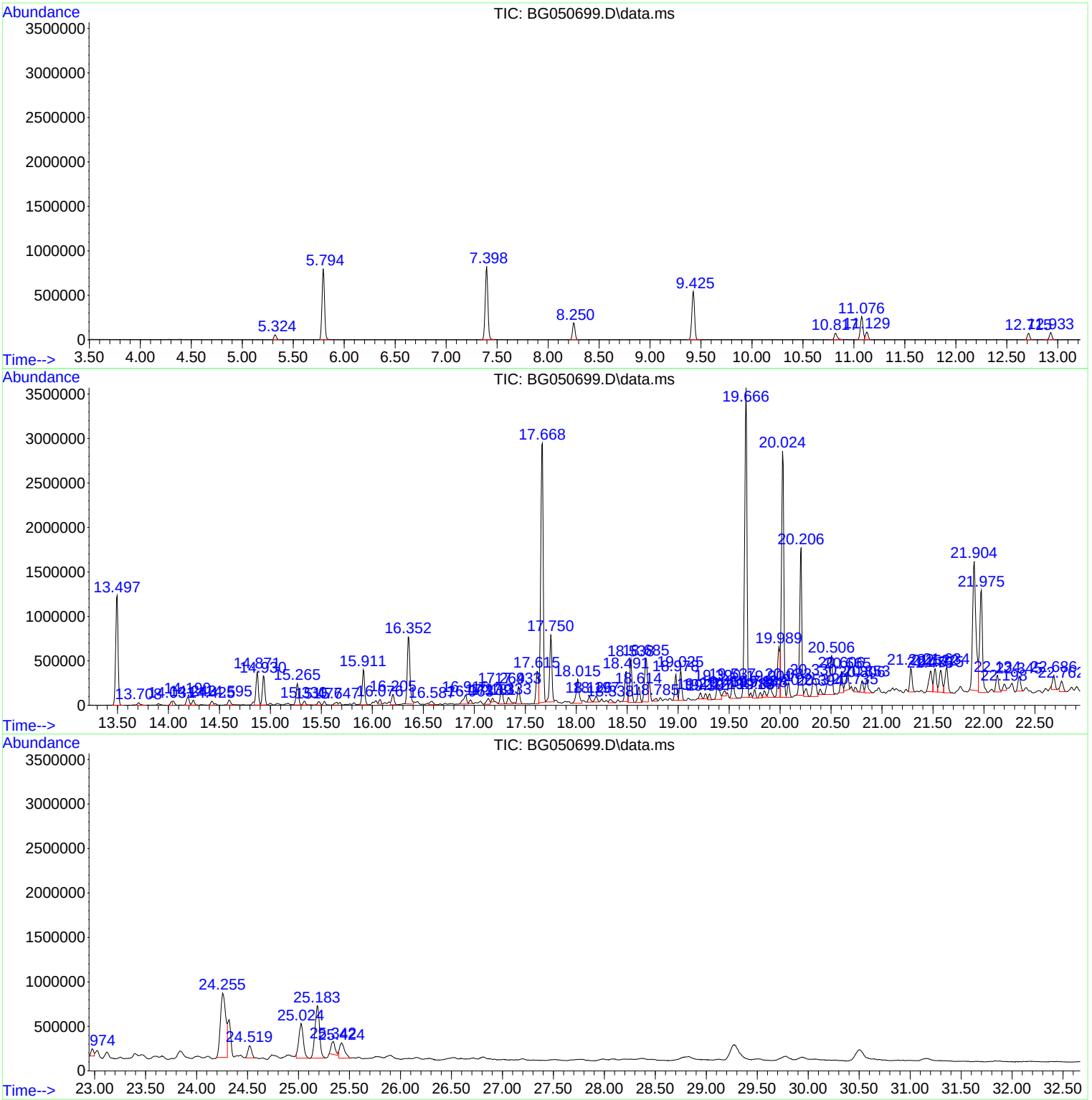
Sample : M4285-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MH-GA-(1)

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\BG102221\
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Instrument : BNA_G
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

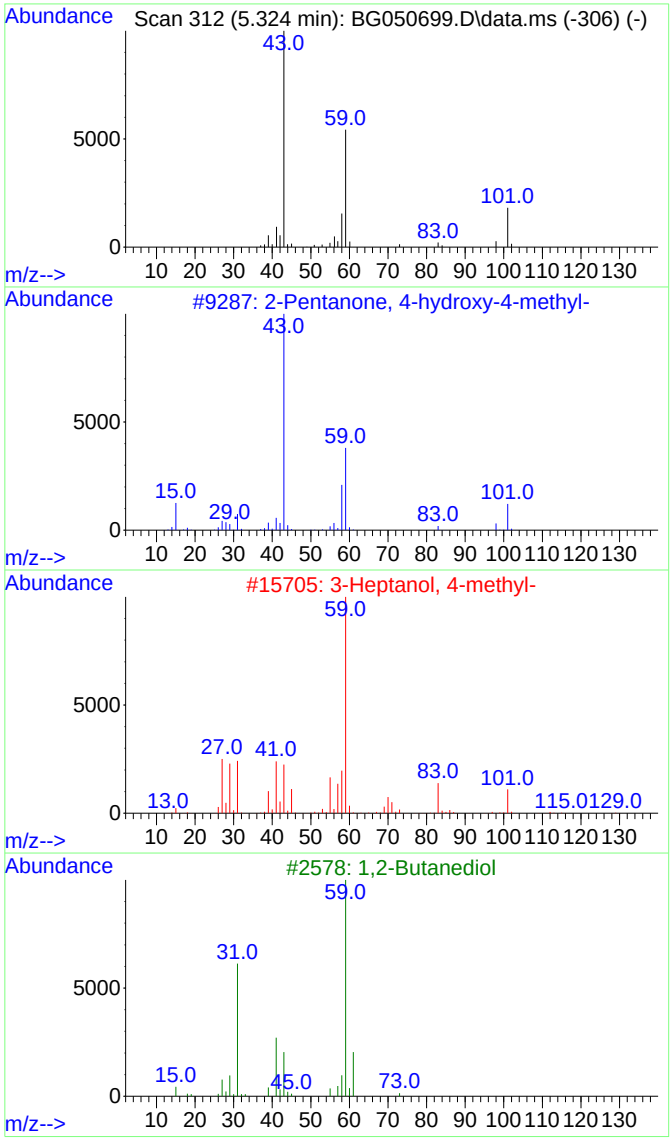
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

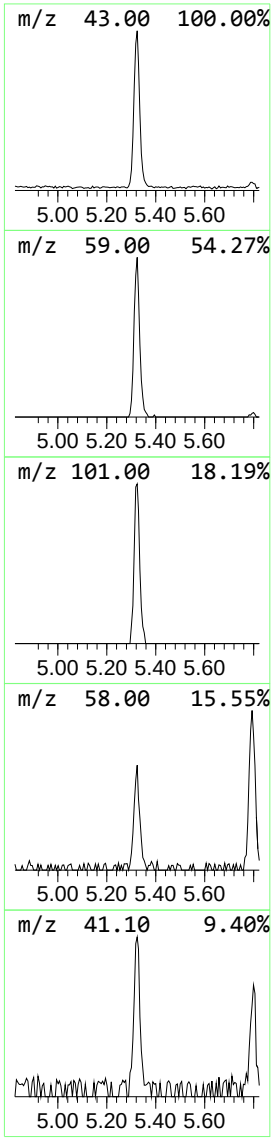
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.324	5.66 ng	92288	1,4-Dichlorobenzene-d4	8.250

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	3-Heptanol, 4-methyl-	130	C8H18O	014979-39-6	33
3	1,2-Butanediol	90	C4H10O2	000584-03-2	25
4	4-Hydroxy-3-hexanone	116	C6H12O2	004984-85-4	25
5	Butyl aldoxime, 3-methyl-, syn-	101	C5H11NO	005780-40-5	23





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102221\
Data File : BG050699.D
Acq On : 22 Oct 2021 21:42
Operator : CG/JU
Sample : M4285-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MH-GA-(1)

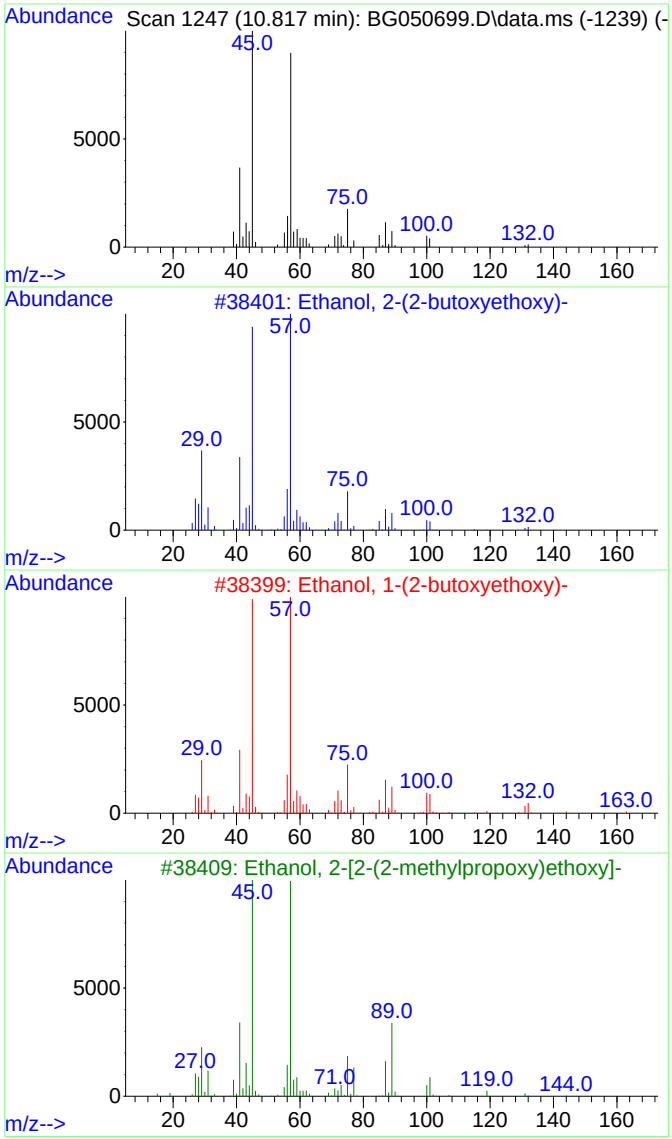
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

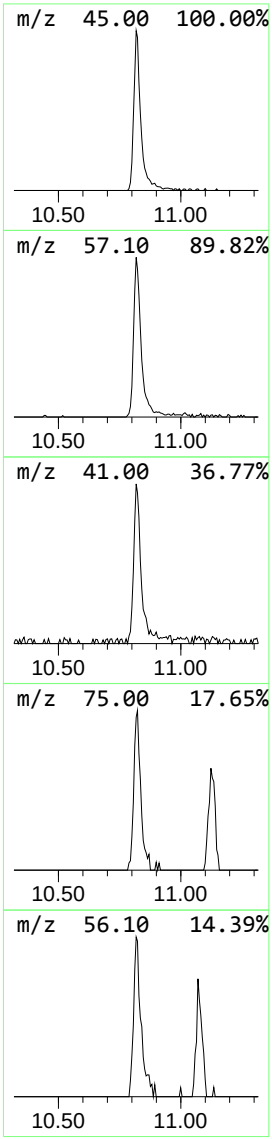
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Ethanol, 2-(2-butoxyethoxy)- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.817	6.25 ng	150409	Naphthalene-d8	11.076

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	Ethanol, 2-[2-(2-methylpropoxy)e...	162	C8H18O3	018912-80-6	72
4	Di-sec-Butyl ether	130	C8H18O	006863-58-7	53
5	Ethanol, 2-[2-(2-butoxyethoxy)et...	206	C10H22O4	000143-22-6	50





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Sample : M4285-10
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ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MH-GA-(1)

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

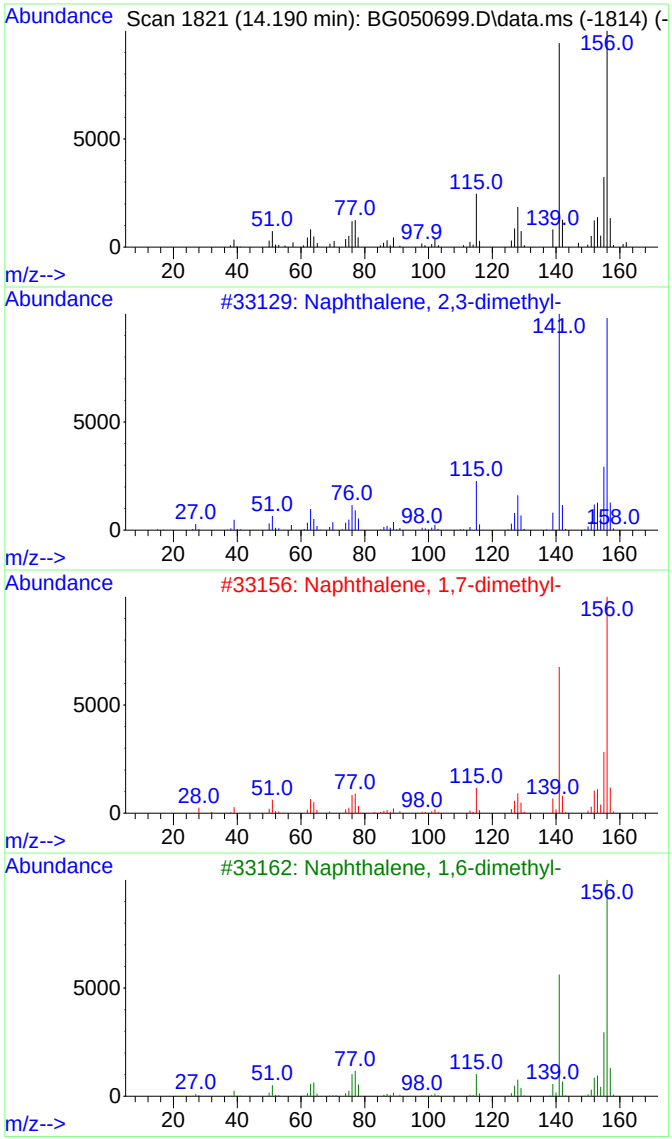
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

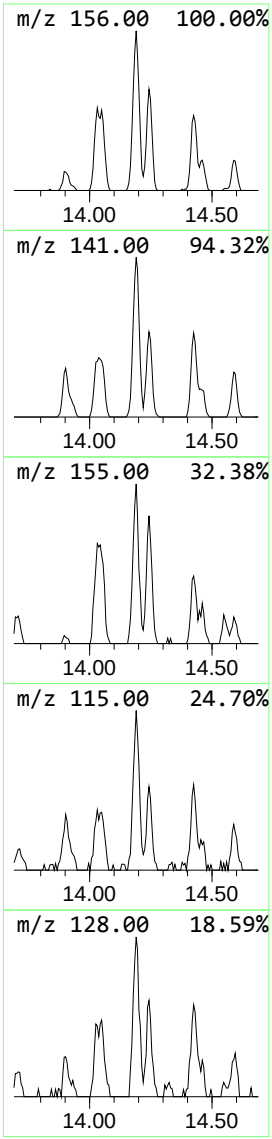
****

Peak Number 3 Naphthalene, 2,3-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.190	5.67 ng	167376	Acenaphthene-d10	14.871

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





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Operator : CG/JU
Sample : M4285-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MH-GA-(1)

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

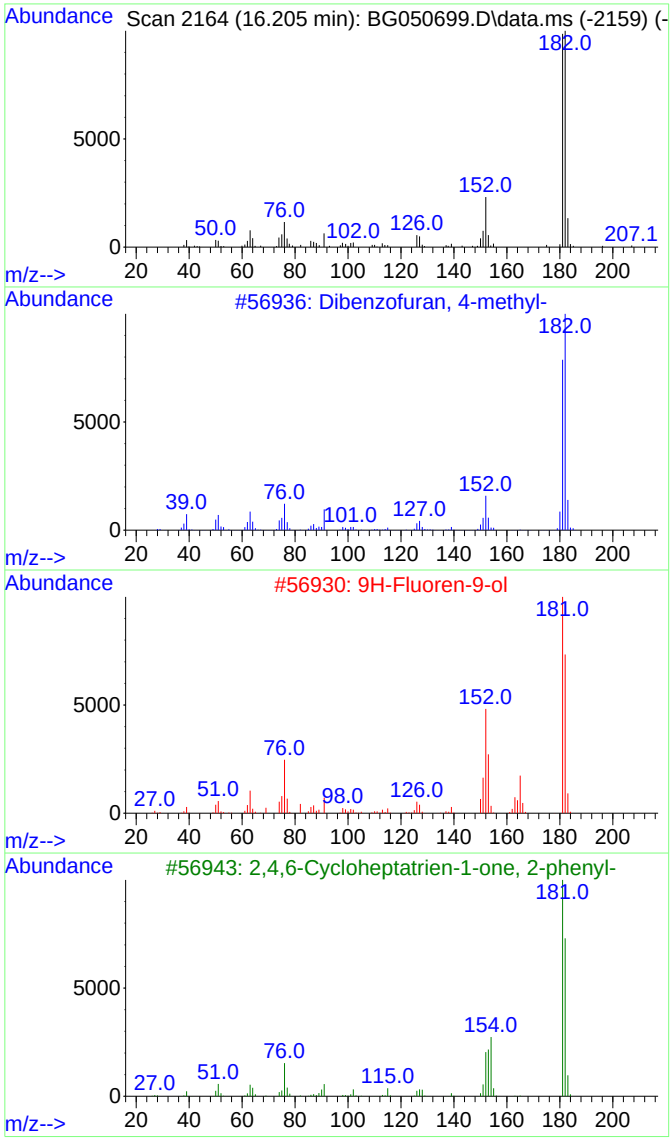
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

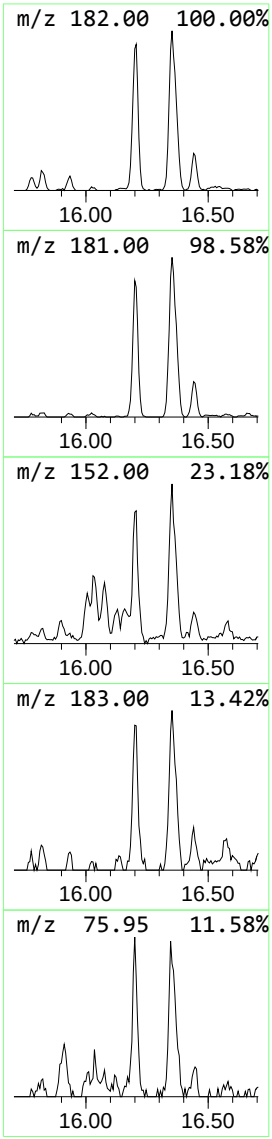
****

Peak Number 4 Dibenzofuran, 4-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.205	6.79 ng	200561	Acenaphthene-d10	14.871

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	94
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	90
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
5	8-Methyl-5H-pyrido[4,3-b]indole	182	C12H10N2	088894-13-7	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102221\
Data File : BG050699.D
Acq On : 22 Oct 2021 21:42
Operator : CG/JU
Sample : M4285-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MH-GA-(1)

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

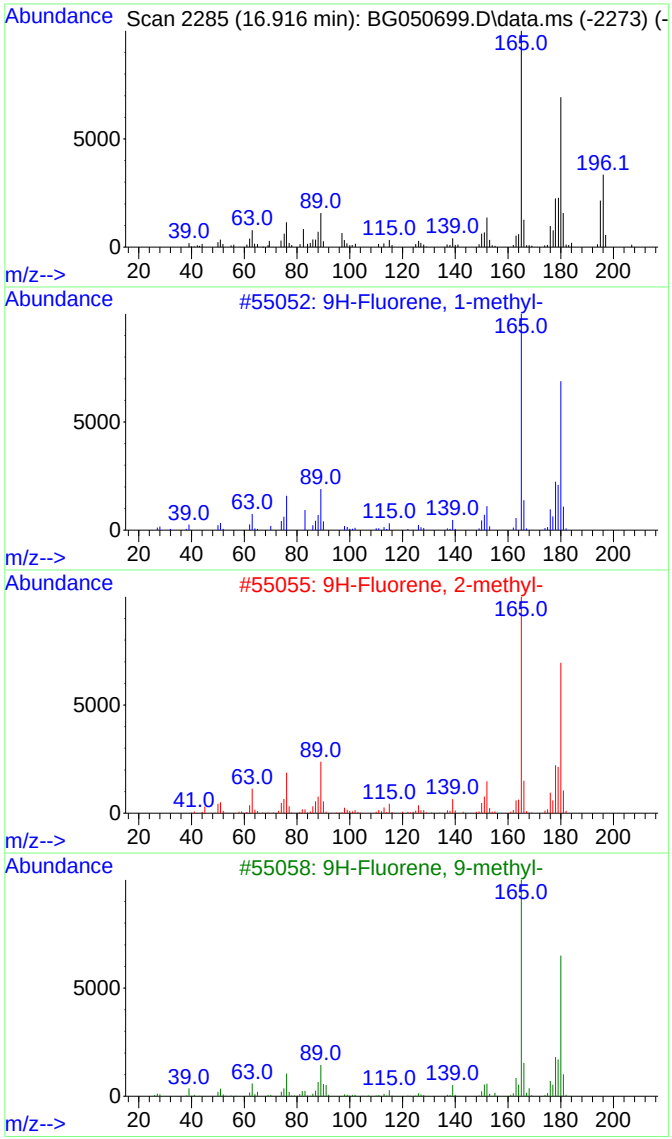
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

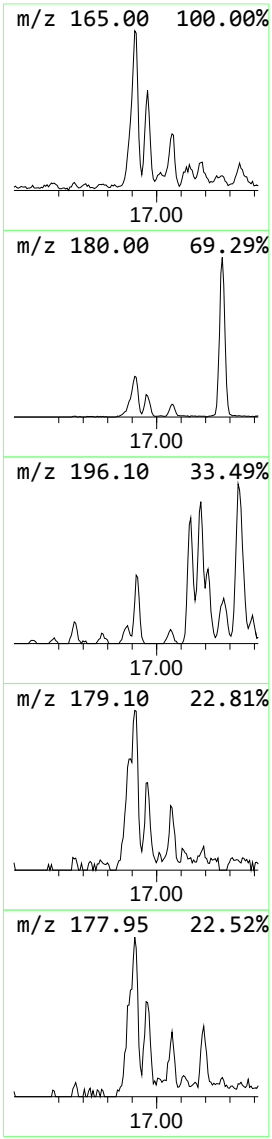
****

Peak Number 5 9H-Fluorene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.916	7.48 ng	234146	Phenanthrene-d10	17.615

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	97
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	83
4	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	78
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	64





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Data File : BG050699.D
Acq On : 22 Oct 2021 21:42
Operator : CG/JU
Sample : M4285-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MH-GA-(1)

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

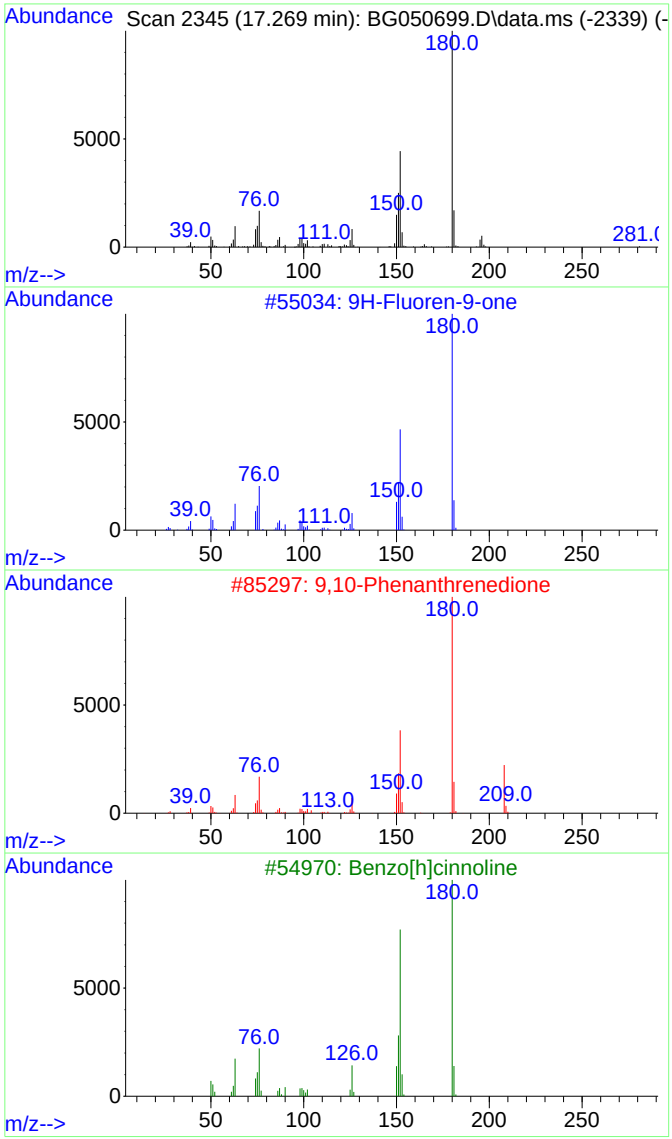
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

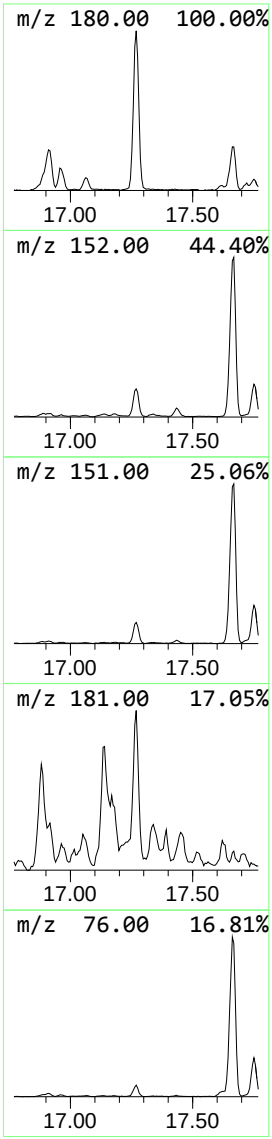
****

Peak Number 6 9H-Fluoren-9-one Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.269	9.71 ng	303707	Phenanthrene-d10	17.615

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	97
2	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	90
3	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	78
4	Diphenic anhydride	224	C14H8O3	006050-13-1	62
5	15,19-Dioxatetracyclo[12.5.0.0(2...	266	C17H14O3	1000436-55-0	58





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Acq On : 22 Oct 2021 21:42
Operator : CG/JU
Sample : M4285-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MH-GA-(1)

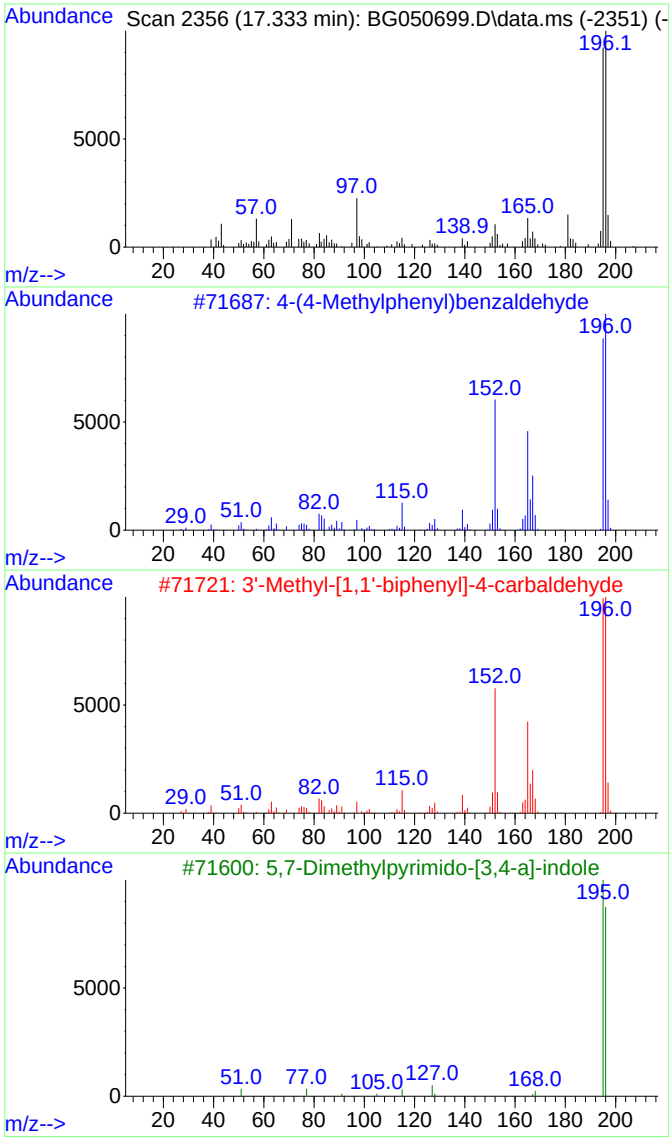
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

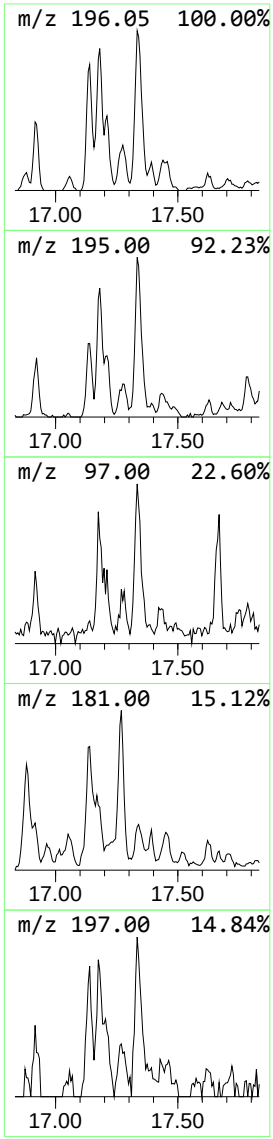
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 4-(4-Methylphenyl)benzaldehyde Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.333	4.77 ng	149272	Phenanthrene-d10	17.615

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-(4-Methylphenyl)benzaldehyde	196	C14H12O	036393-42-7	74
2	3'-Methyl-[1,1'-biphenyl]-4-carb...	196	C14H12O	400744-83-4	74
3	5,7-Dimethylpyrimido-[3,4-a]-indole	196	C13H12N2	038349-21-2	53
4	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	52
5	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	52





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Operator : CG/JU
Sample : M4285-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MH-GA-(1)

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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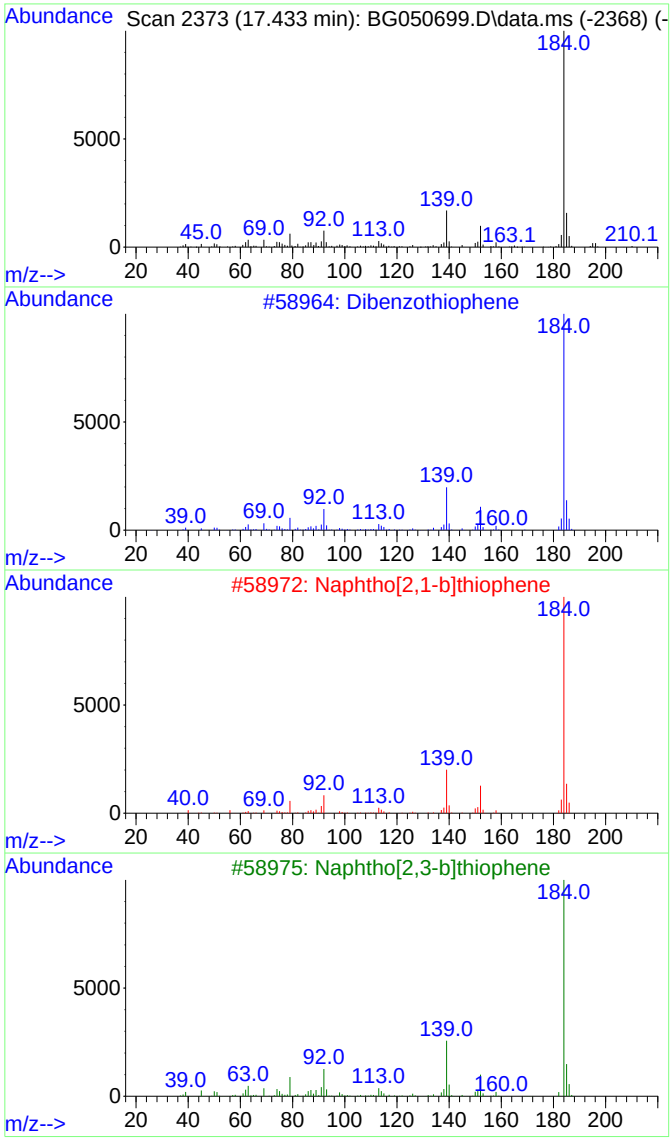
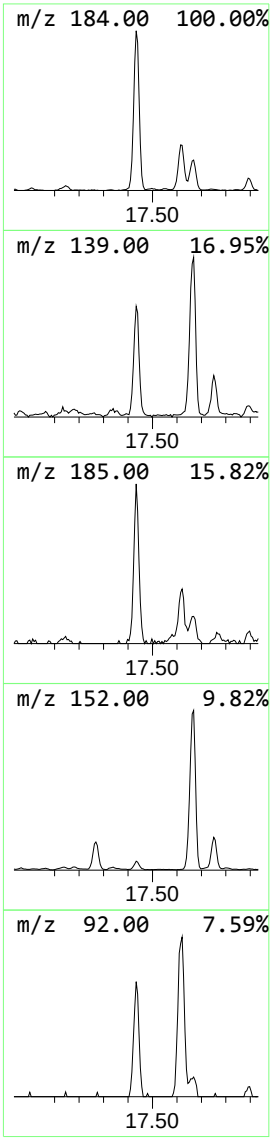
Peak Number 8 Dibenzothiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.433	9.88 ng	309113	Phenanthrene-d10	17.615

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	97
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





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Sample : M4285-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MH-GA-(1)

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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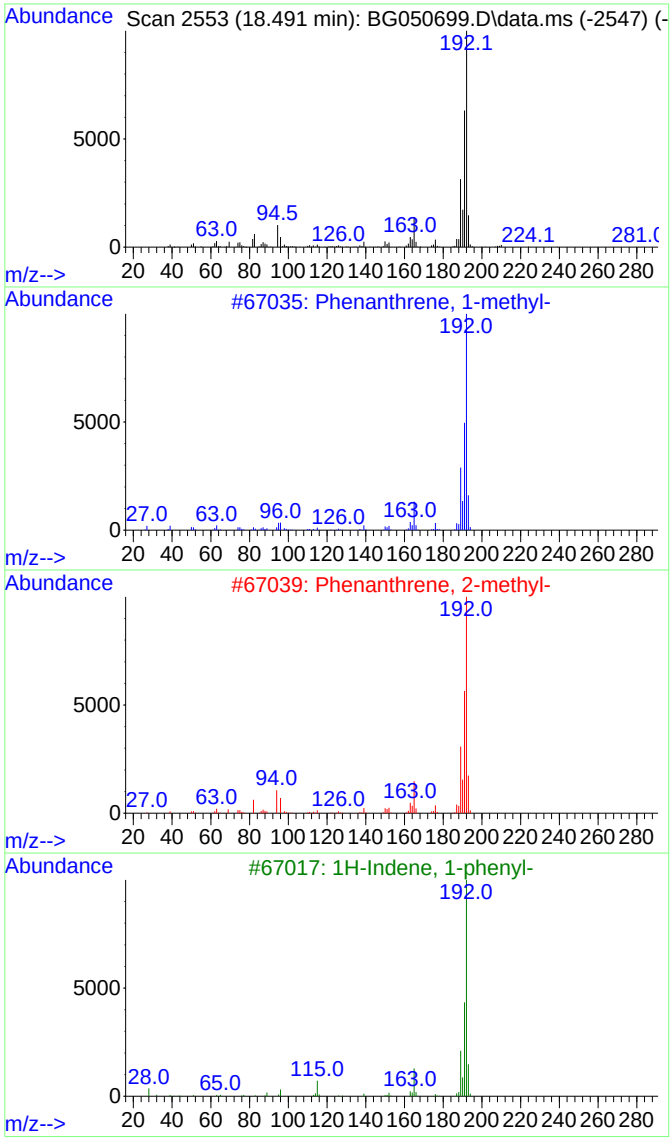
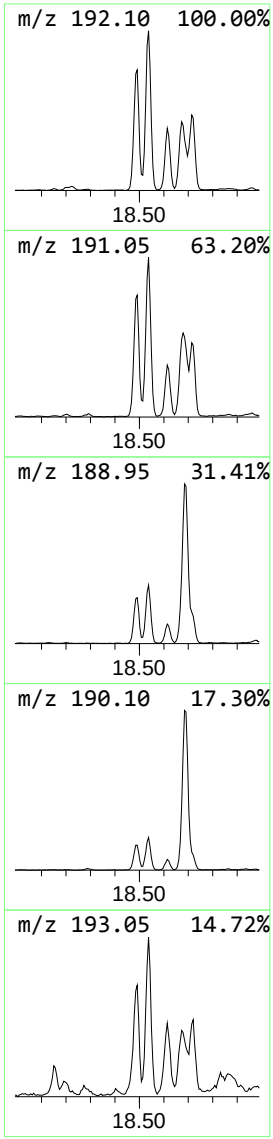
Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.491	16.53 ng	517083	Phenanthrene-d10	17.615

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	95
3	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





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Operator : CG/JU
Sample : M4285-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MH-GA-(1)

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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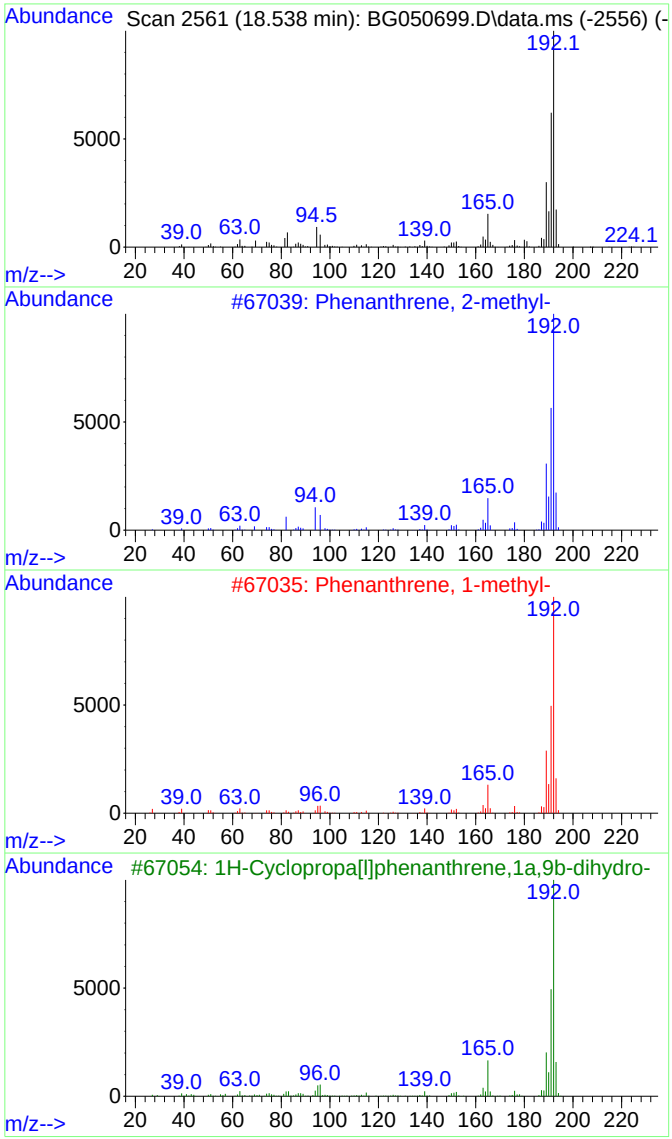
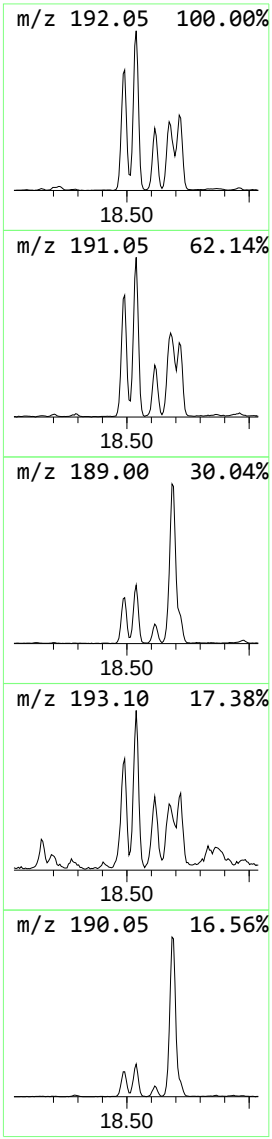
Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.538	23.09 ng	722542	Phenanthrene-d10	17.615

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	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95





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Sample : M4285-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MH-GA-(1)

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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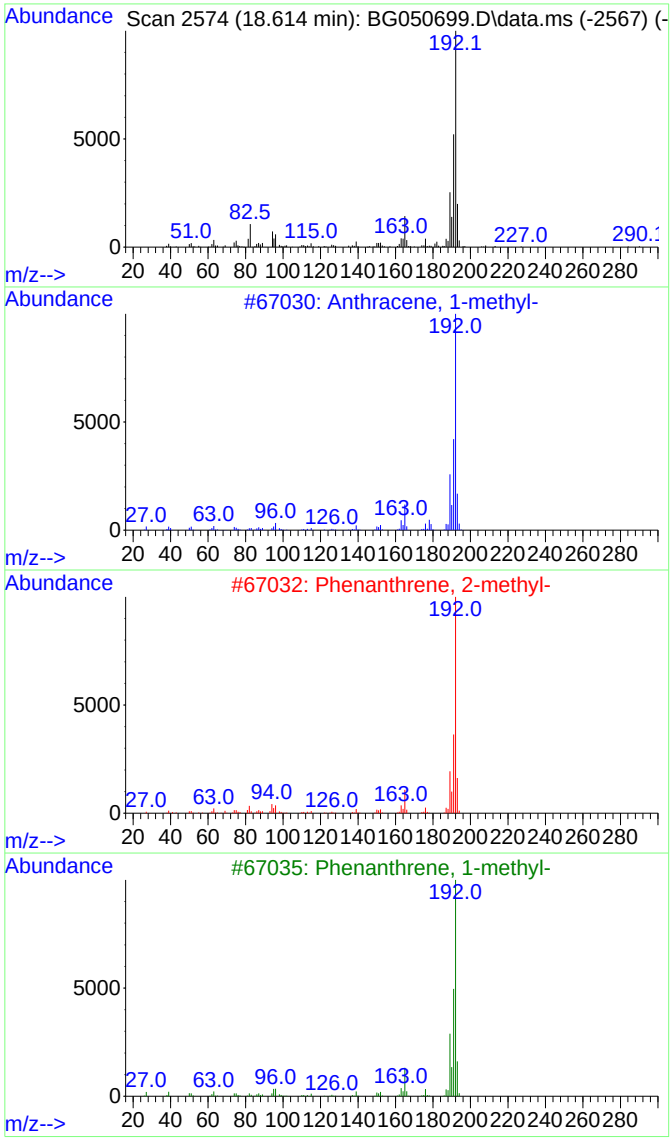
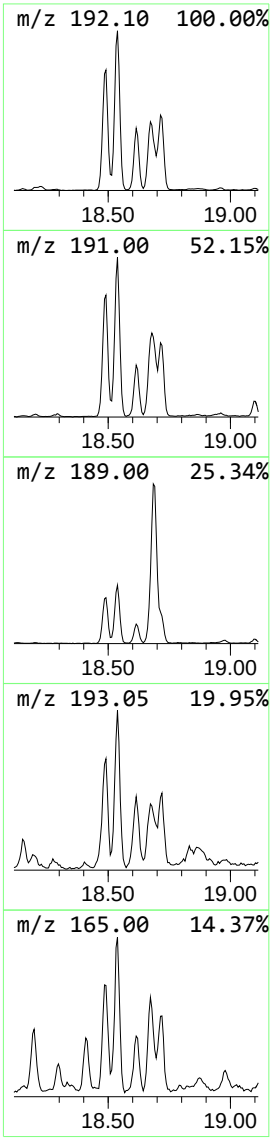
Peak Number 11 Anthracene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.614	8.97 ng	280683	Phenanthrene-d10	17.615

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





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Operator : CG/JU
Sample : M4285-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MH-GA-(1)

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

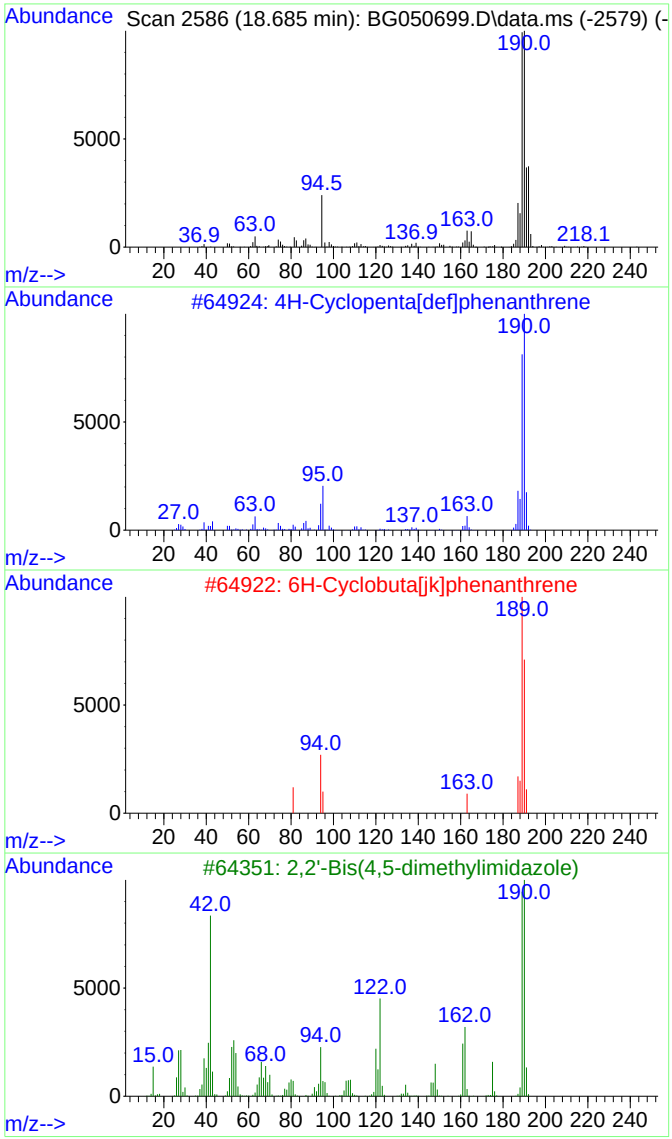
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

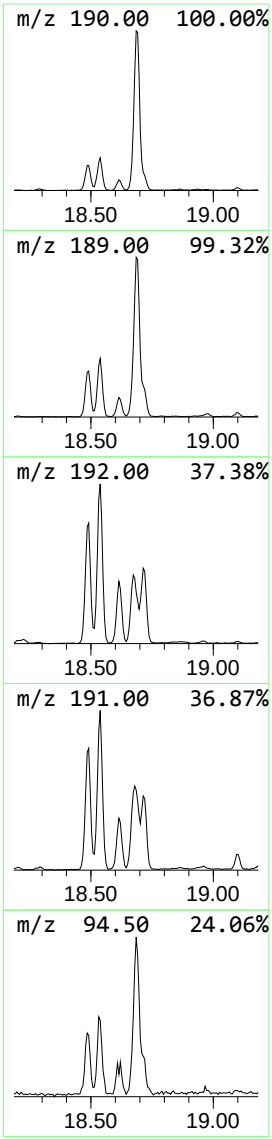
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.685	31.89 ng	997943	Phenanthrene-d10	17.615

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	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
4	2,4(1H,3H)-Pyrimidinedione, 5-br...	190	C4H3BrN2O2	000051-20-7	25
5	Cyclohexanone, 2-(2-furanylmethy...	190	C12H14O2	056053-07-7	22





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Operator : CG/JU
Sample : M4285-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MH-GA-(1)

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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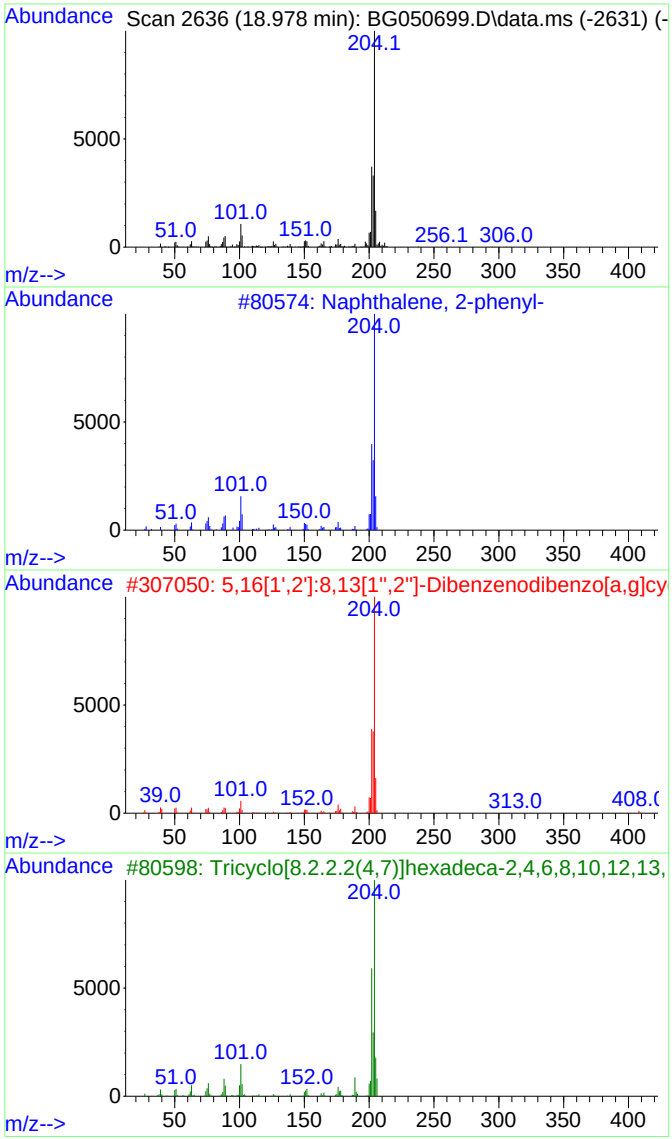
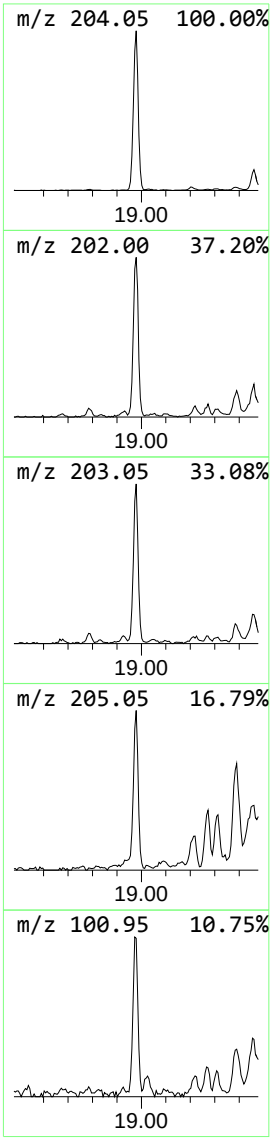
Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.978	13.24 ng	414261	Phenanthrene-d10	17.615

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
5	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	60





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Sample : M4285-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MH-GA-(1)

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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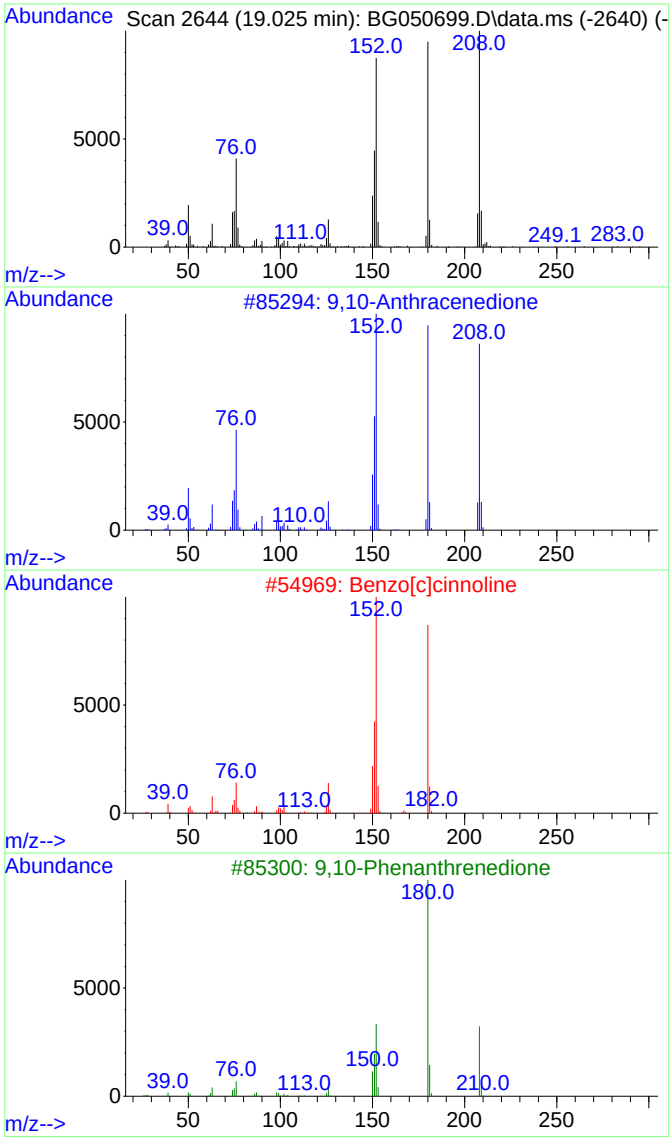
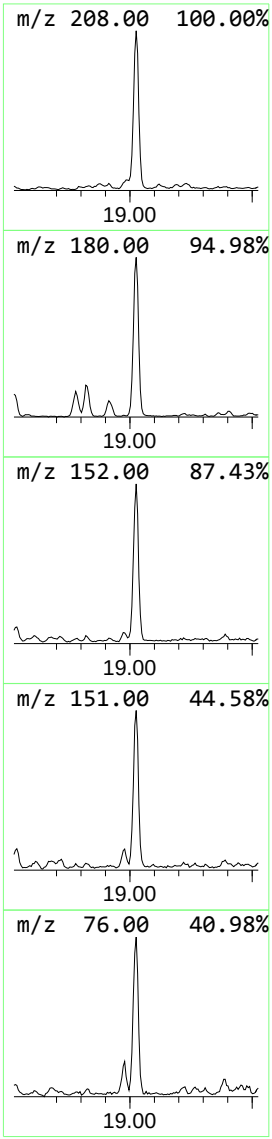
Peak Number 14 9,10-Anthracenedione Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.025	15.63 ng	489075	Phenanthrene-d10	17.615

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
3	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	64
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	64
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	46





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Sample : M4285-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
MH-GA-(1)

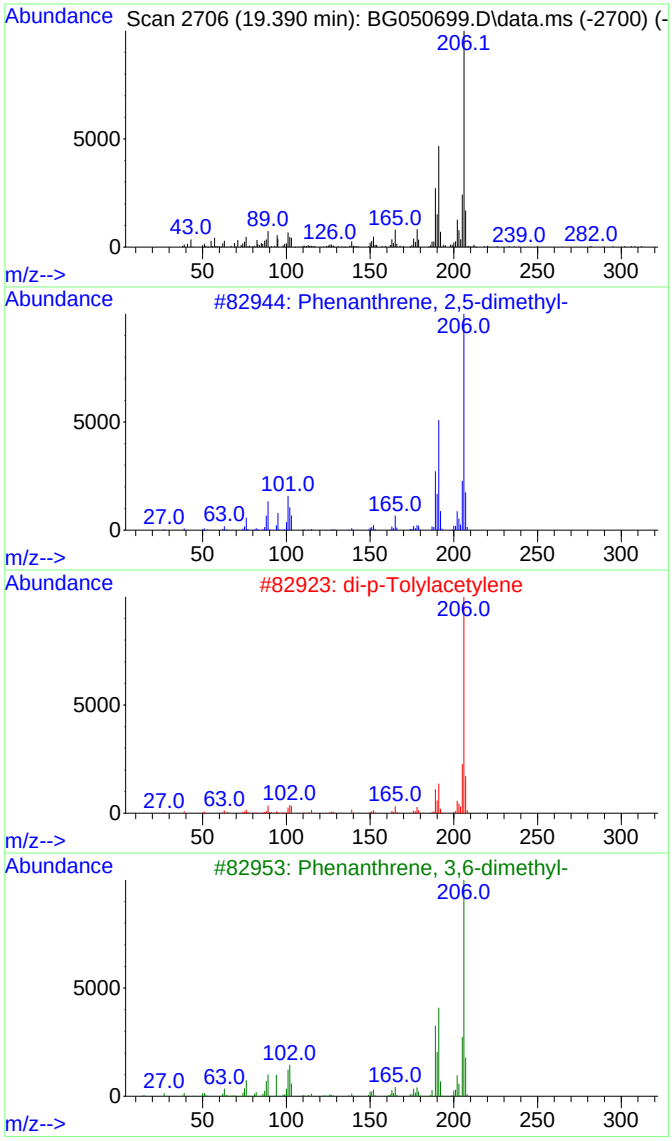
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

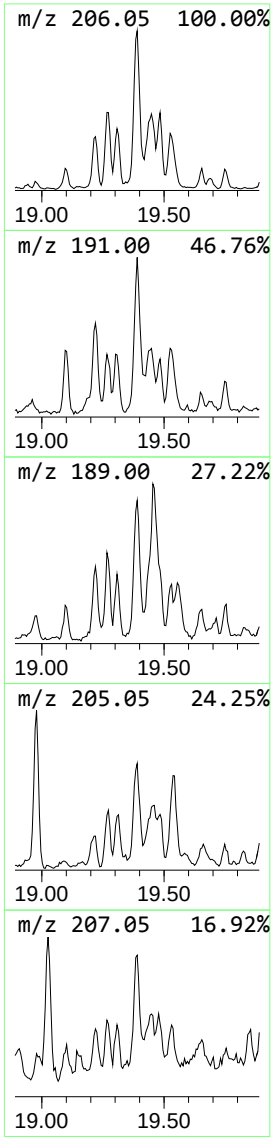
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.390	12.06 ng	377496	Phenanthrene-d10	17.615

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90





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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MH-GA-(1)

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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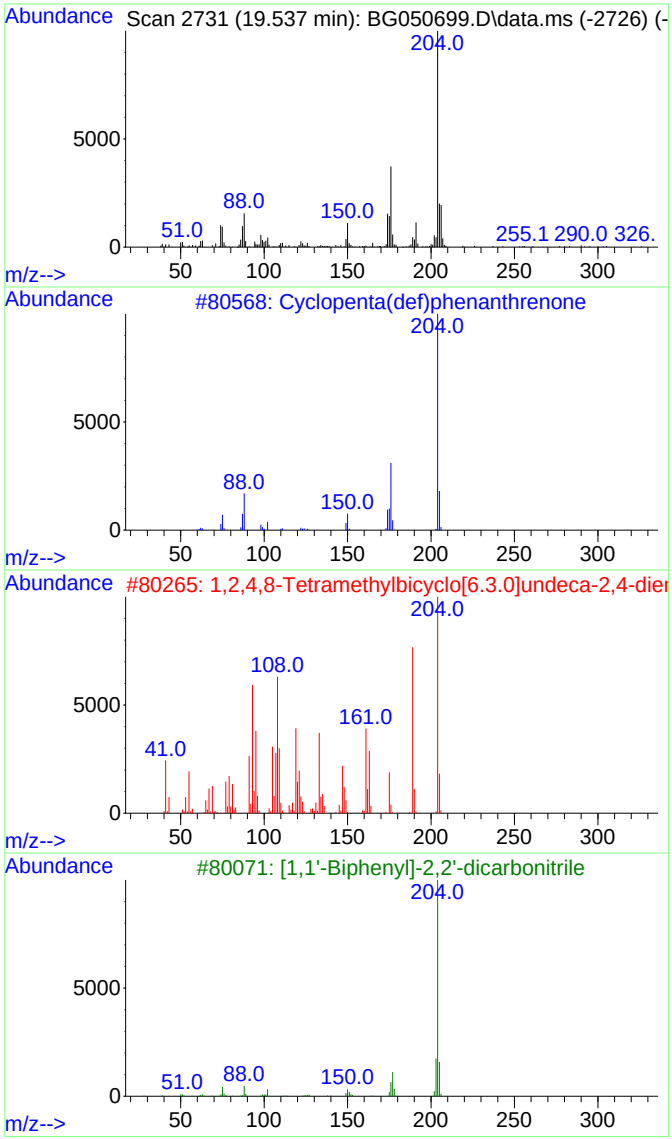
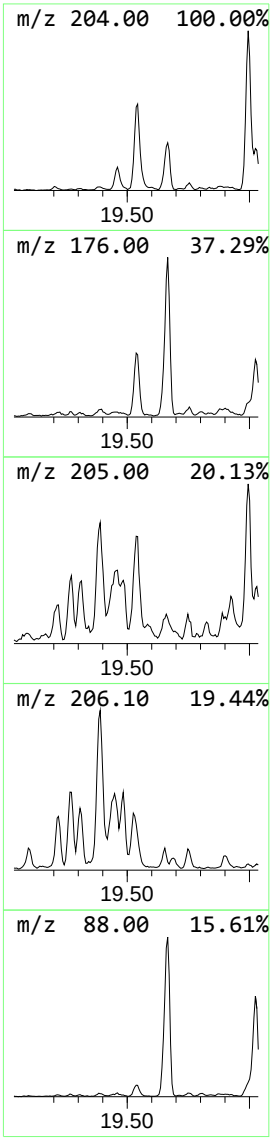
Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.537	10.06 ng	314655	Phenanthrene-d10	17.615

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	87
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	47
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	43





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Operator : CG/JU
Sample : M4285-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MH-GA-(1)

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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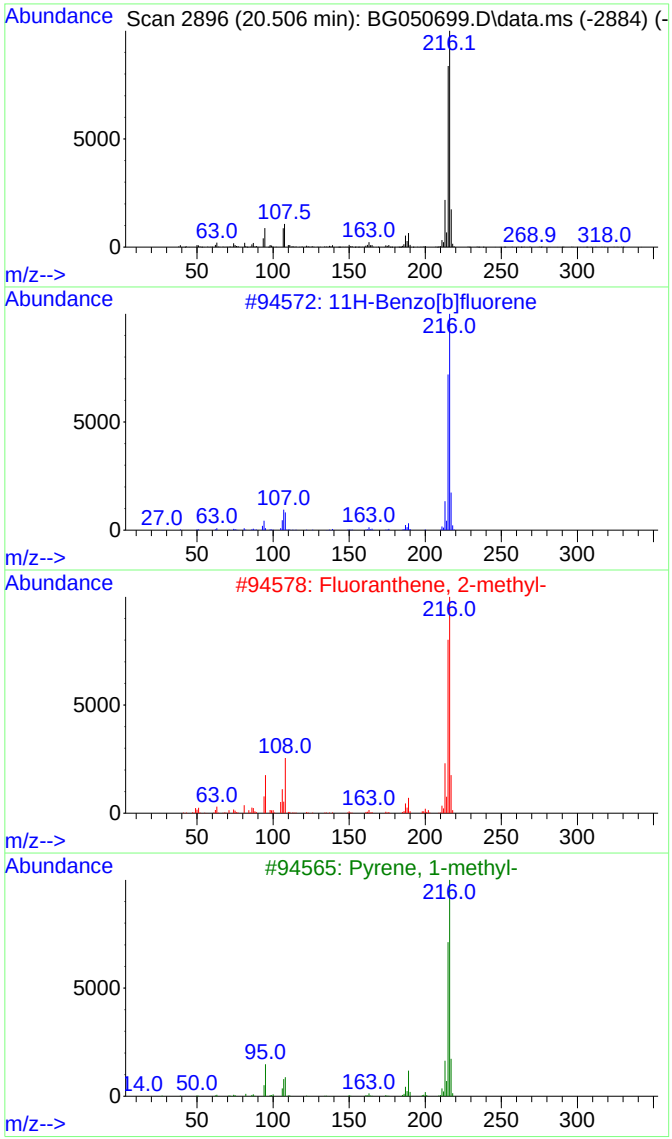
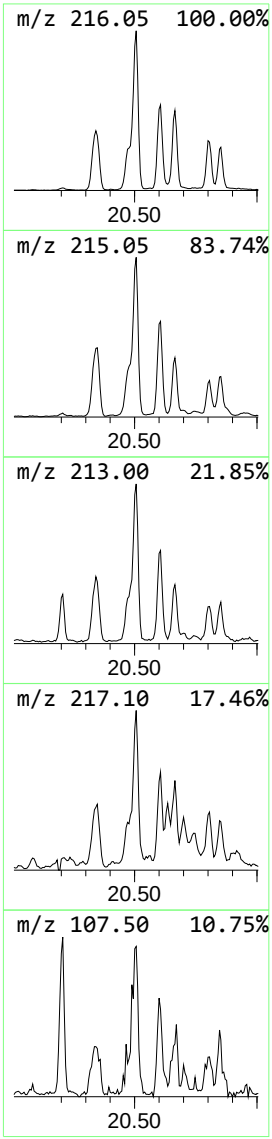
Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.506	5.45 ng	921773	Chrysene-d12	21.922

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	97
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102221\
Data File : BG050699.D
Acq On : 22 Oct 2021 21:42
Operator : CG/JU
Sample : M4285-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MH-GA-(1)

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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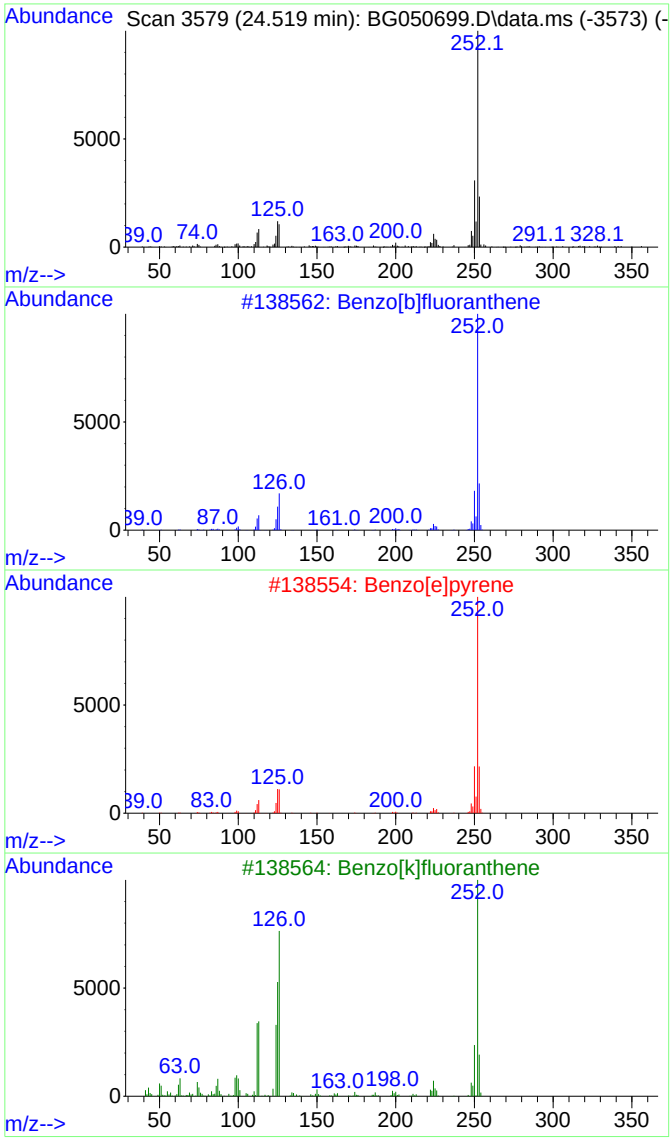
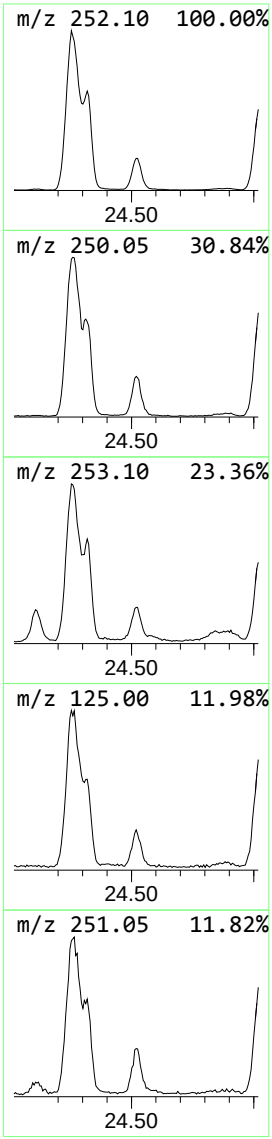
Peak Number 18 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.519	17.80 ng	349360	Perylene-d12	25.342

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
2	Benzo[e]pyrene	252	C20H12	000192-97-2	93
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	92
4	Benzo[a]pyrene	252	C20H12	000050-32-8	90
5	Perylene	252	C20H12	000198-55-0	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102221\
Data File : BG050699.D
Acq On : 22 Oct 2021 21:42
Operator : CG/JU
Sample : M4285-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MH-GA-(1)

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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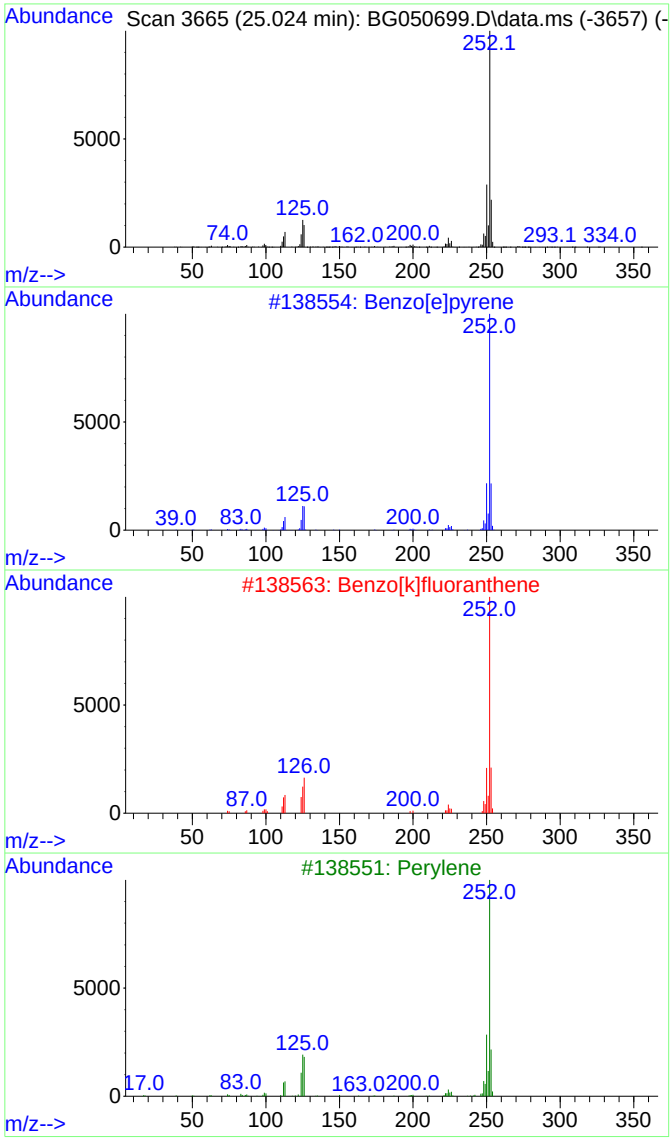
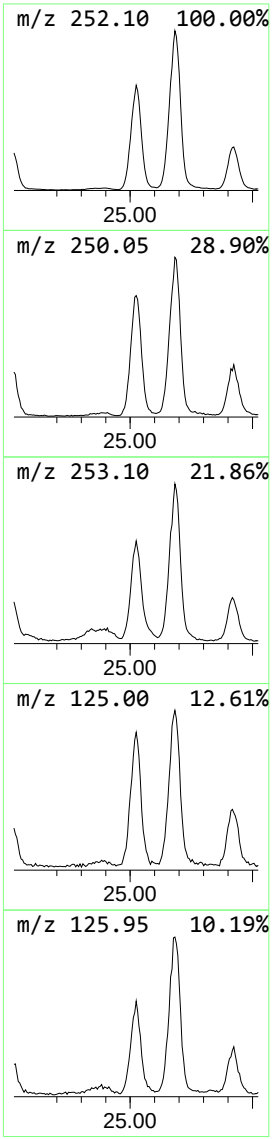
Peak Number 19 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.024	60.66 ng	1190710	Perylene-d12	25.342

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Perylene	252	C20H12	000198-55-0	96
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102221\
Data File : BG050699.D
Acq On : 22 Oct 2021 21:42
Operator : CG/JU
Sample : M4285-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MH-GA-(1)

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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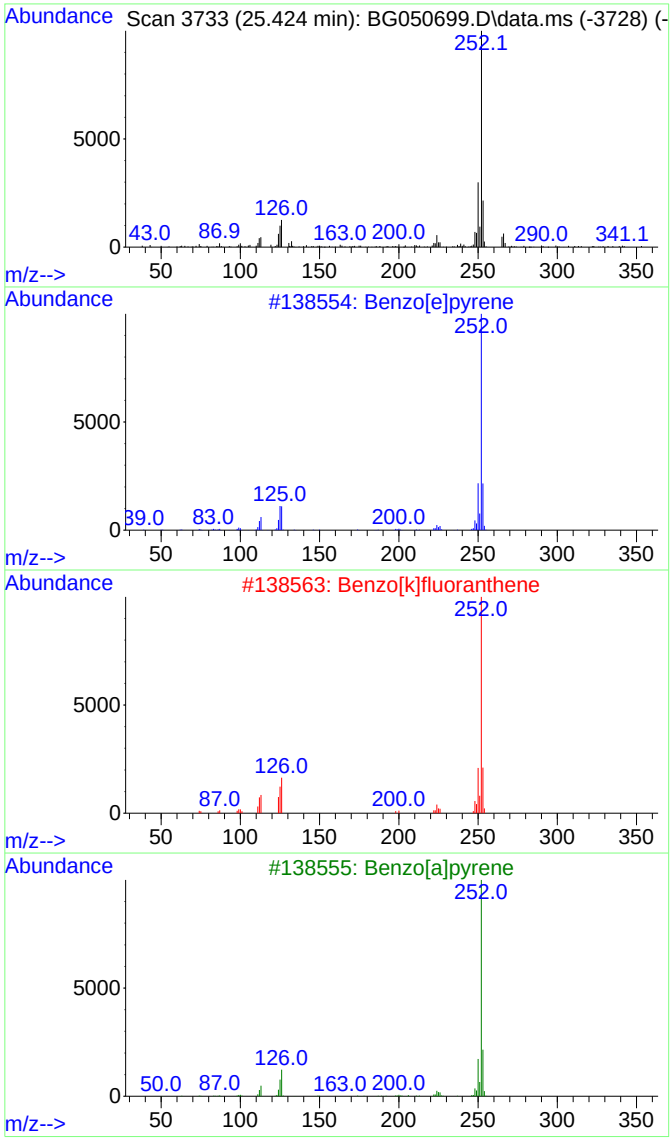
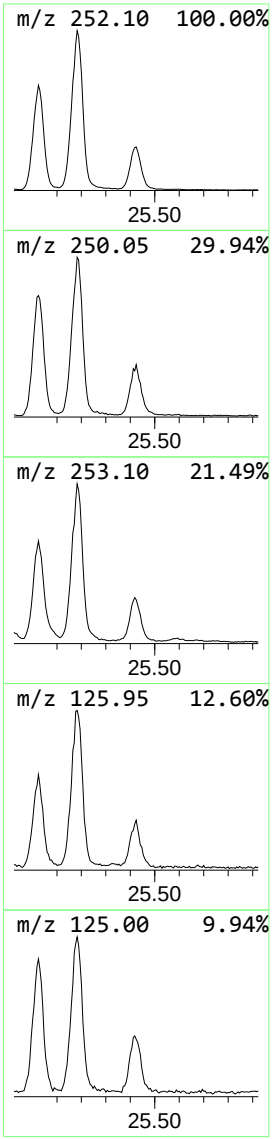
Peak Number 20 Benzo[j]fluoranthene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.424	28.71 ng	563469	Perylene-d12	25.342

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	96
3	Benzo[a]pyrene	252	C20H12	000050-32-8	96
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	95





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102221\
Data File : BG050699.D
Acq On : 22 Oct 2021 21:42
Operator : CG/JU
Sample : M4285-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : MH-GA-(1)

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
2-Pentanone, 4-...	5.324	5.7	ng	92288	1	8.250	325961	20.0
Ethanol, 2-(2-b...	10.817	6.3	ng	150409	2	11.076	481289	20.0
Naphthalene, 2,...	14.190	5.7	ng	167376	3	14.871	590881	20.0
Dibenzofuran, 4...	16.205	6.8	ng	200561	3	14.871	590881	20.0
9H-Fluorene, 1-...	16.916	7.5	ng	234146	4	17.615	625776	20.0
9H-Fluoren-9-one	17.269	9.7	ng	303707	4	17.615	625776	20.0
4-(4-Methylphen...	17.333	4.8	ng	149272	4	17.615	625776	20.0
Dibenzothiophene	17.433	9.9	ng	309113	4	17.615	625776	20.0
Phenanthrene, 1...	18.491	16.5	ng	517083	4	17.615	625776	20.0
Phenanthrene, 2...	18.538	23.1	ng	722542	4	17.615	625776	20.0
Anthracene, 1-m...	18.614	9.0	ng	280683	4	17.615	625776	20.0
4H-Cyclopenta[d...	18.685	31.9	ng	997943	4	17.615	625776	20.0
Naphthalene, 2-...	18.978	13.2	ng	414261	4	17.615	625776	20.0
9,10-Anthracene...	19.025	15.6	ng	489075	4	17.615	625776	20.0
Phenanthrene, 2...	19.390	12.1	ng	377496	4	17.615	625776	20.0
Cyclopenta(def)...	19.537	10.1	ng	314655	4	17.615	625776	20.0
11H-Benzo[b]flu...	20.506	5.5	ng	921773	5	21.922	3381370	20.0
Benzo[e]pyrene	24.519	17.8	ng	349360	6	25.342	392567	20.0
Perylene	25.024	60.7	ng	1190710	6	25.342	392567	20.0
Benzo[j]fluoran...	25.424	28.7	ng	563469	6	25.342	392567	20.0