

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051220\
 Data File : BG045366.D
 Acq On : 13 May 2020 17:55
 Operator : CG/JU
 Sample : L2593-03
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 FK-GF-02-057-B

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

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-BG041520.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.134	4	8	20	rVB	66298	118649	3.21%	0.287%
2	5.549	411	419	431	rBV	893420	1573454	42.55%	3.805%
3	7.147	683	691	707	rBV	1026442	1859675	50.29%	4.497%
4	7.975	824	832	840	rBV	282566	489334	13.23%	1.183%
5	8.298	878	887	897	rBV	871316	1570882	42.48%	3.799%
6	9.132	1021	1029	1041	rBV	684963	1247189	33.73%	3.016%
7	10.783	1299	1310	1317	rBV	380876	731288	19.78%	1.768%
8	13.238	1721	1728	1739	rBV	2021070	3172465	85.79%	7.672%
9	14.061	1862	1868	1874	rBV	199823	309305	8.36%	0.748%
10	14.343	1908	1916	1925	rBV	33091	64313	1.74%	0.156%
11	14.619	1954	1963	1969	rBV2	627243	1047417	28.32%	2.533%
12	14.678	1969	1973	1980	rVB	110904	183013	4.95%	0.443%
13	15.012	2024	2030	2037	rBV	74561	127425	3.45%	0.308%
14	15.665	2136	2141	2151	rVB	172067	272459	7.37%	0.659%
15	15.964	2188	2192	2198	rVB2	33032	54285	1.47%	0.131%
16	16.105	2209	2216	2228	rBV	1536021	2420021	65.44%	5.852%
17	16.669	2302	2312	2316	rBV3	31060	77141	2.09%	0.187%
18	17.016	2367	2371	2376	rVB2	27276	46416	1.26%	0.112%
19	17.116	2380	2388	2395	rBV8	35026	99266	2.68%	0.240%
20	17.186	2395	2400	2405	rVV	80387	125411	3.39%	0.303%
21	17.368	2424	2431	2434	rBV	689753	1182810	31.99%	2.860%
22	17.409	2434	2438	2445	rVV	1500351	2273364	61.48%	5.497%
23	17.497	2445	2453	2459	rVV	460983	716195	19.37%	1.732%
24	17.556	2461	2463	2471	rVB5	25274	37358	1.01%	0.090%
25	17.762	2491	2498	2509	rBV2	55365	139022	3.76%	0.336%
26	17.879	2515	2518	2524	rVB3	28827	49788	1.35%	0.120%
27	18.243	2575	2580	2584	rBV	127142	235166	6.36%	0.569%
28	18.290	2584	2588	2593	rVB2	162745	255442	6.91%	0.618%
29	18.367	2597	2601	2607	rVB	62589	89591	2.42%	0.217%
30	18.437	2607	2613	2617	rBV3	267145	460555	12.45%	1.114%
31	18.743	2660	2665	2668	rBV	110062	168723	4.56%	0.408%
32	18.778	2668	2671	2677	rVB3	67176	101616	2.75%	0.246%
33	19.160	2732	2736	2740	rBV3	41556	74107	2.00%	0.179%
34	19.295	2756	2759	2765	rBV3	44026	71078	1.92%	0.172%

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Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	19.418	2774	2780	2786	rBV	2121298	3044636	82.33%	7.363%
36	19.512	2794	2796	2801	rVB4	42710	48030	1.30%	0.116%
37	19.659	2818	2821	2829	rVB2	68220	113842	3.08%	0.275%
38	19.782	2831	2842	2850	rVV	1591984	3020101	81.67%	7.303%
39	19.853	2850	2854	2860	rVB2	67858	119151	3.22%	0.288%
40	19.982	2869	2876	2880	rBV	2733820	3697880	100.00%	8.942%
41	20.100	2892	2896	2902	rBV3	72763	191059	5.17%	0.462%
42	20.235	2916	2919	2920	rBV3	51047	56378	1.52%	0.136%
43	20.270	2922	2925	2932	rVB	296596	420123	11.36%	1.016%
44	20.370	2938	2942	2946	rBV	257222	340619	9.21%	0.824%
45	20.570	2973	2976	2979	rBV	53328	75454	2.04%	0.182%
46	21.257	3090	3093	3094	rBV	72691	92552	2.50%	0.224%
47	21.286	3094	3098	3106	rVB5	249299	538500	14.56%	1.302%
48	21.615	3148	3154	3160	rBV3	1014085	2458233	66.48%	5.945%
49	21.674	3160	3164	3173	rVB	689824	1164756	31.50%	2.817%
50	21.827	3186	3190	3196	rVB2	205147	316181	8.55%	0.765%
51	23.801	3518	3526	3532	rBV	467427	1469137	39.73%	3.553%
52	24.506	3641	3646	3659	rVB2	295434	827679	22.38%	2.002%
53	24.652	3664	3671	3678	rVB	400726	1047894	28.34%	2.534%
54	24.799	3689	3696	3702	rBV2	320687	866399	23.43%	2.095%

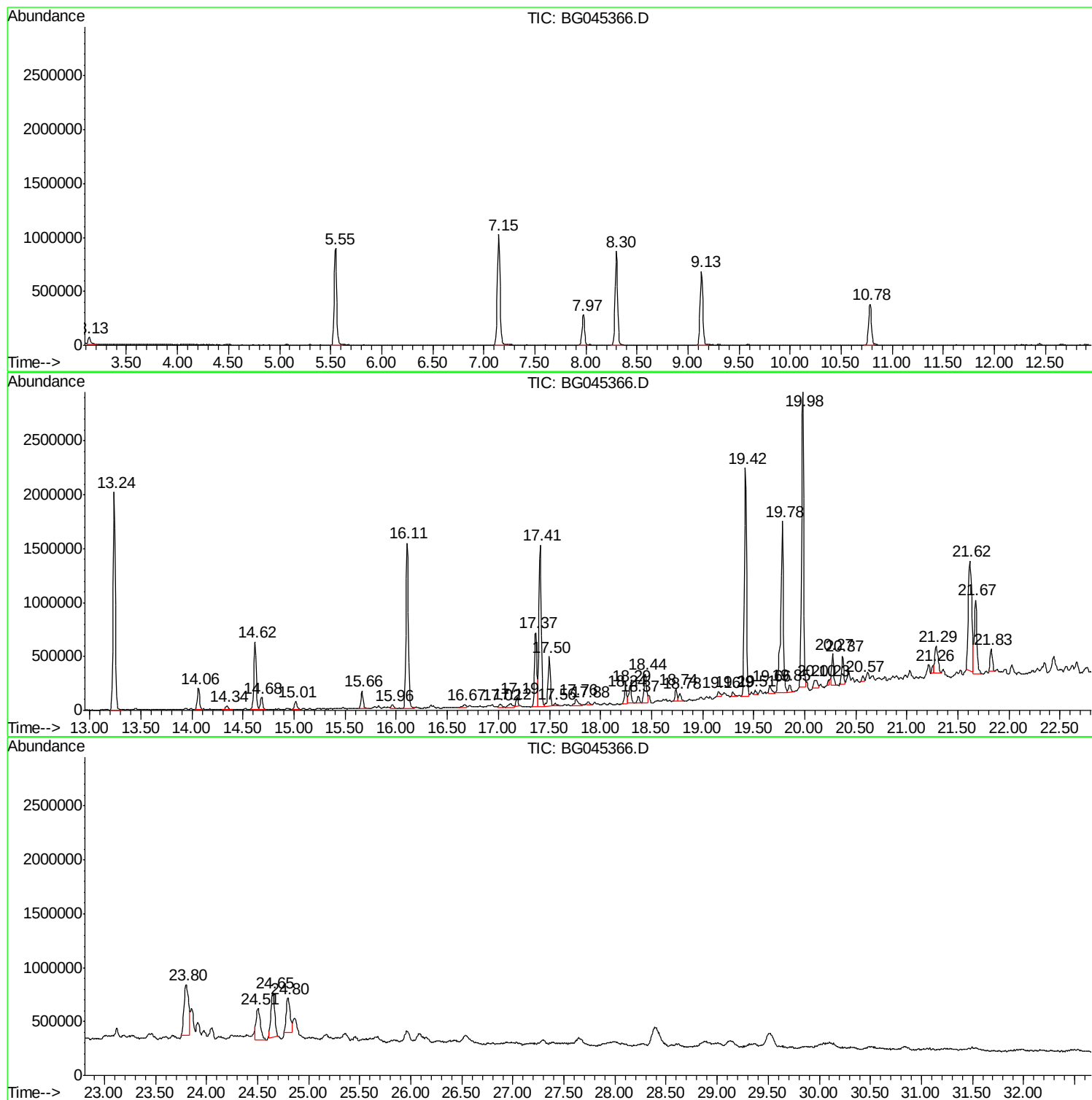
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P



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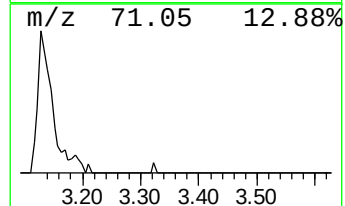
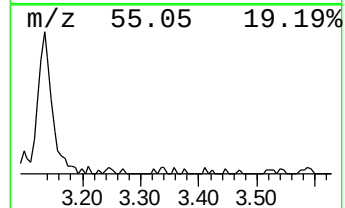
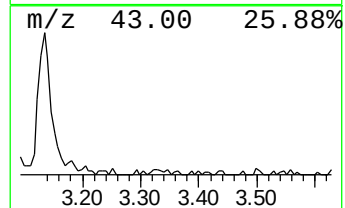
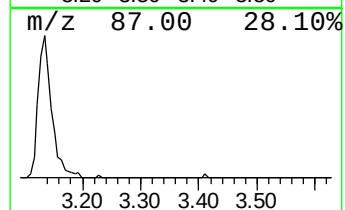
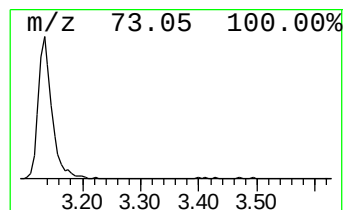
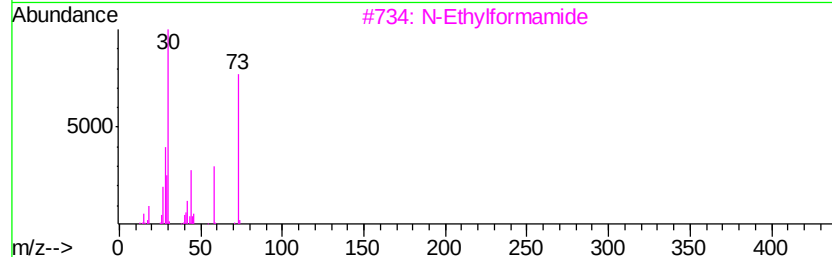
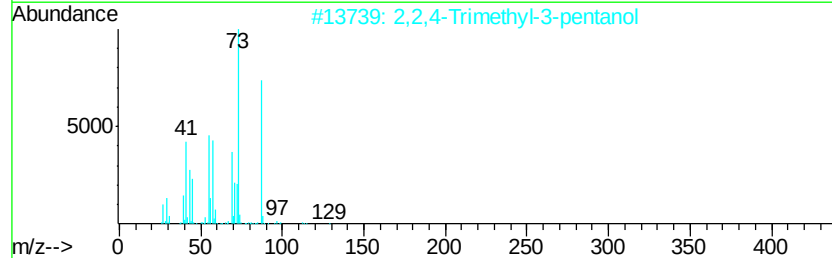
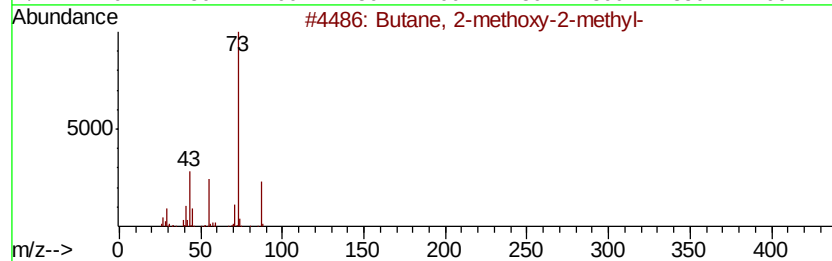
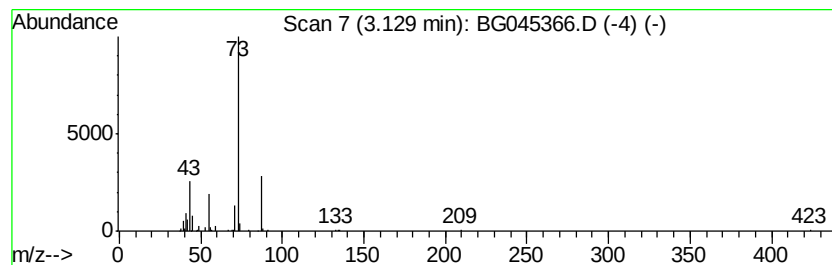
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.13	4.85 ng	118649	1,4-Dichlorobenzene-d4	7.97

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2			2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	64
3			N-Ethylformamide	73	C3H7NO	000627-45-2	9
4			3-Hexanol, 2-methyl-	116	C7H16O	000617-29-8	9
5			3-Hexanol, 3-methyl-	116	C7H16O	000597-96-6	9



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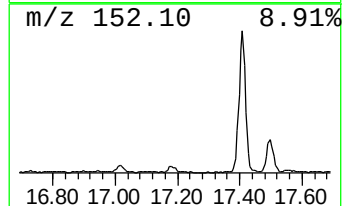
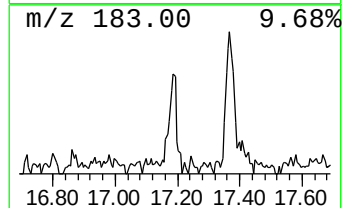
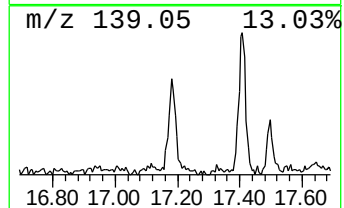
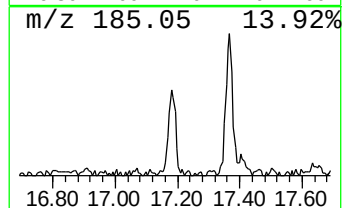
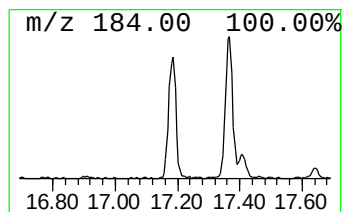
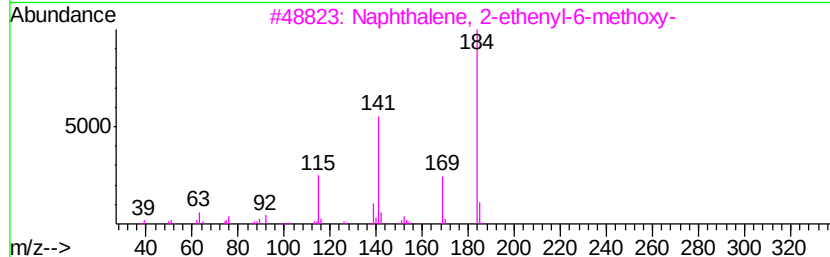
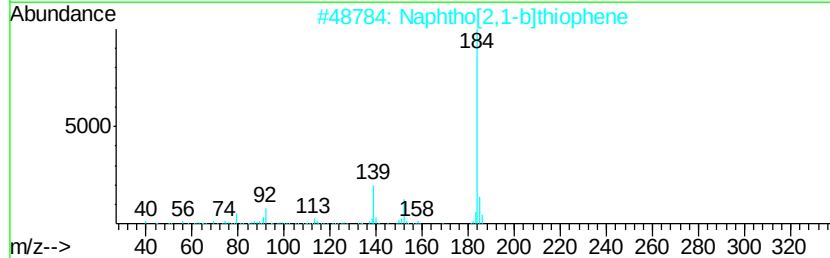
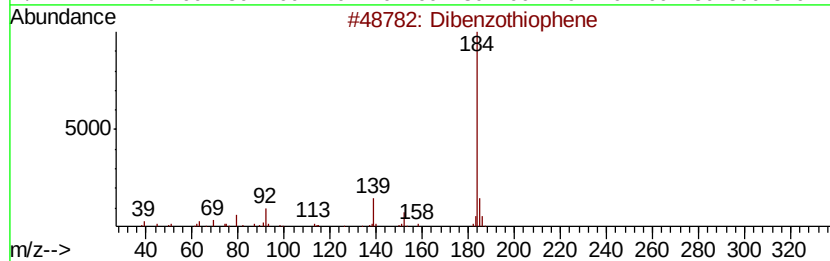
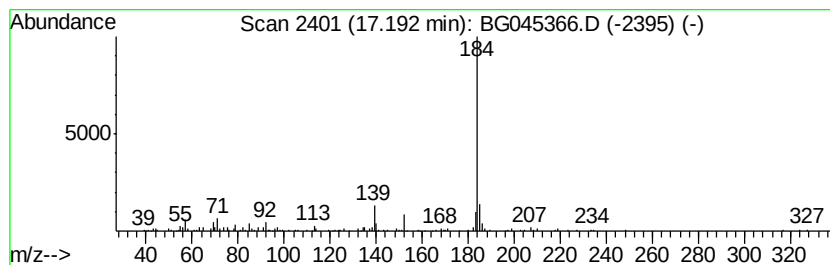
Instrument :
BNA_G
ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Dibenzothiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.19	2.12 ng	125411	Phenanthrene-d10	17.37
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Dibenzothiophene	184 C12H8S	000132-65-0 87
2		Naphtho[2,1-b]thiophene	184 C12H8S	000233-02-3 83
3		Naphthalene, 2-ethenvl-6-methoxy-	184 C13H12O	063444-51-9 80
4		Naphtho[1,2-b]thiophene	184 C12H8S	000234-41-3 80
5		Naphtho[2,3-b]thiophene	184 C12H8S	000268-77-9 80



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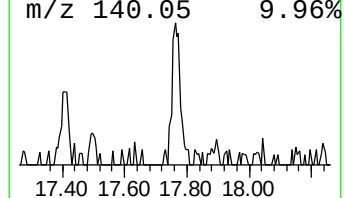
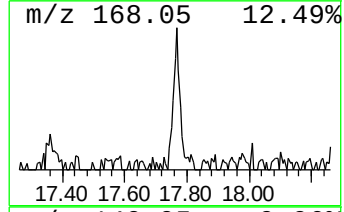
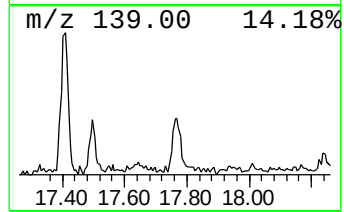
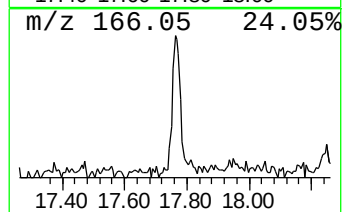
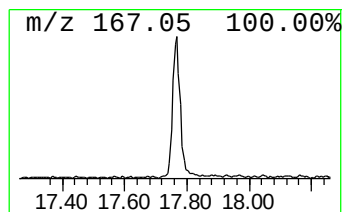
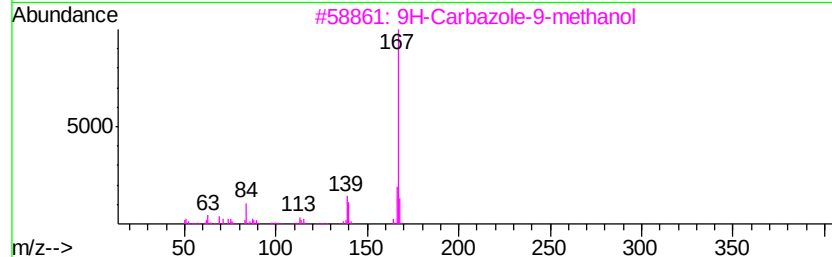
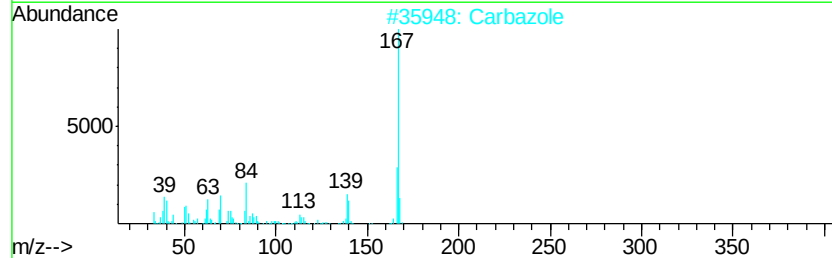
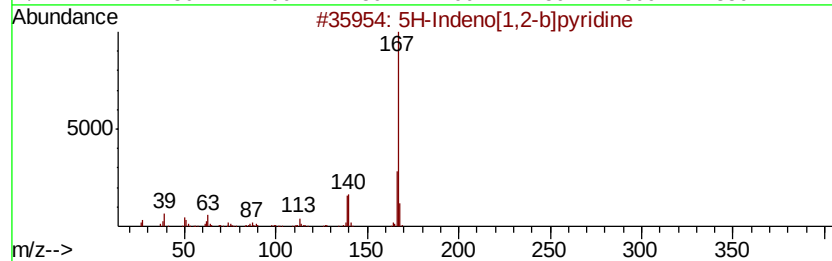
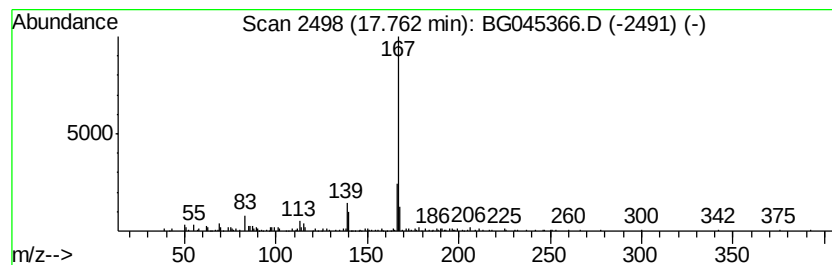
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 5H-Indeno[1,2-b]pyridine Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD		R.T.
17.76	2.35 ng	139022	Phenanthrene-d10		17.37
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	90
2	Carbazole	167	C12H9N	000086-74-8	86
3	9H-Carbazole-9-methanol	197	C13H11NO	002409-36-1	80
4	9H-Carbazole, 9-nitroso-	196	C12H8N2O	002788-23-0	78
5	D-Galactitol, 2-(acetylmethylami...	363	C16H29NO8	074410-42-7	72



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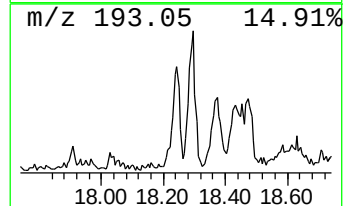
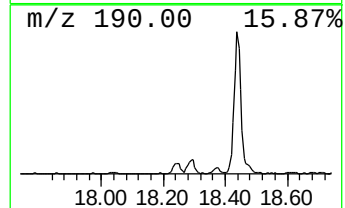
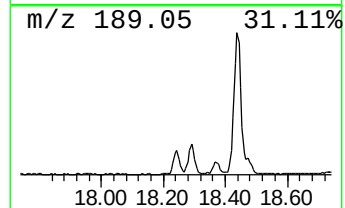
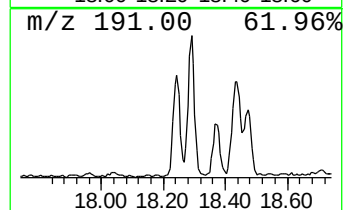
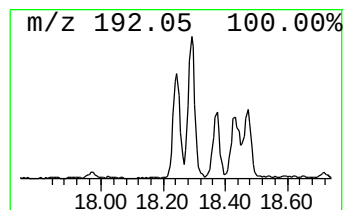
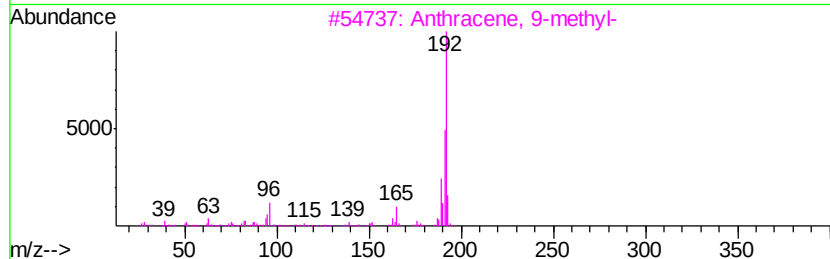
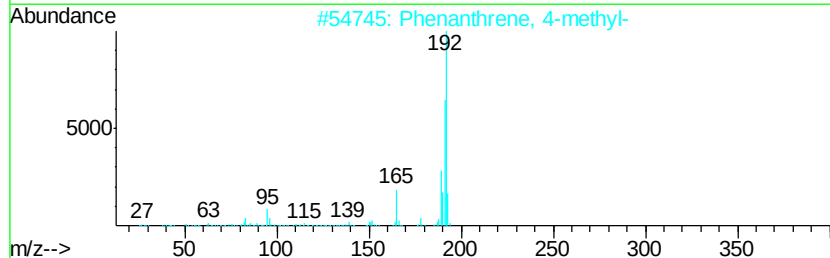
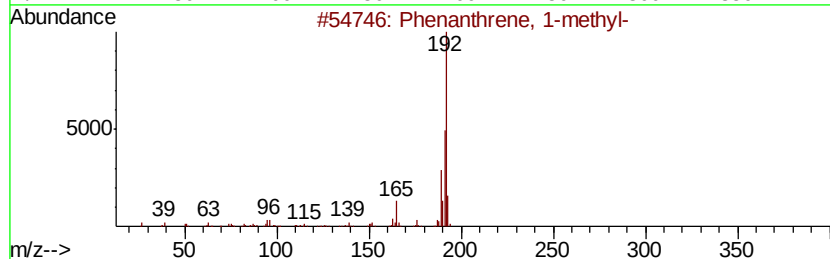
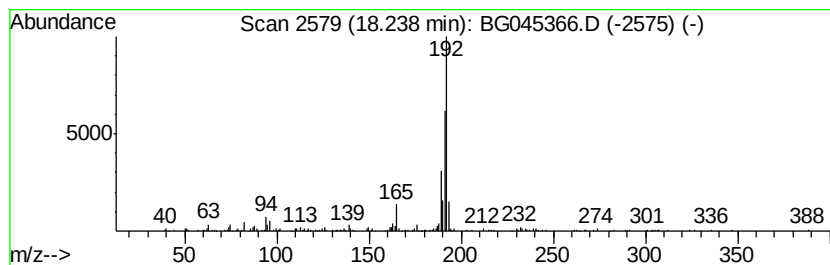
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.24	3.98 ng	235166	Phenanthrene-d10	17.37	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87



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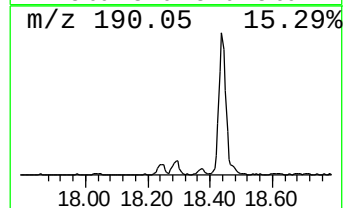
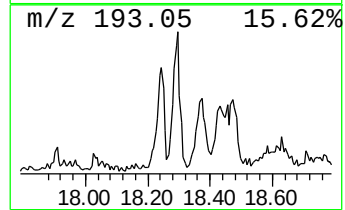
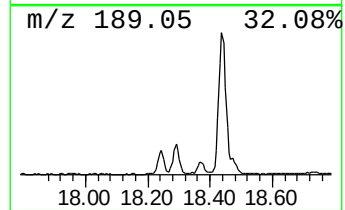
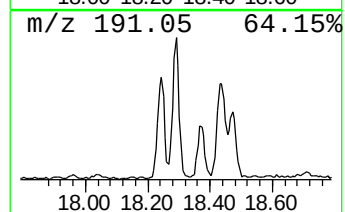
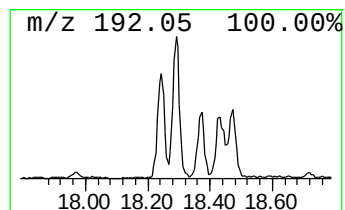
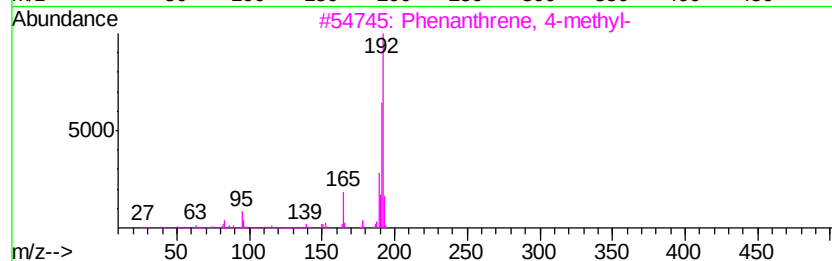
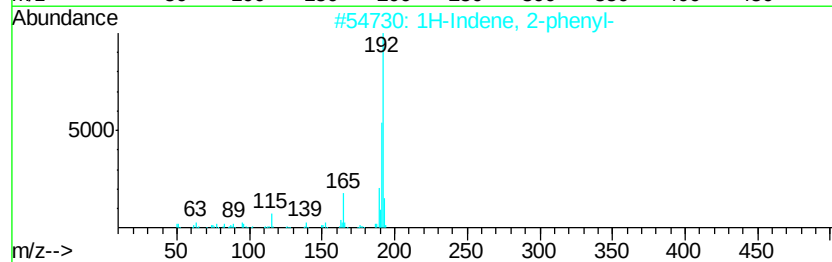
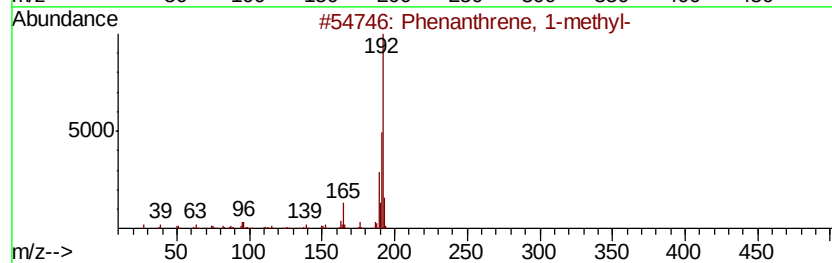
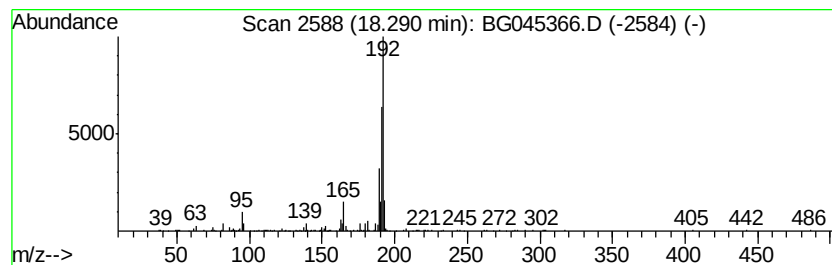
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 1H-Indene, 2-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.29	4.32 ng	255442	Phenanthrene-d10	17.37	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
4	1H-Cyclopropa[1,1]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051220\
Data File : BG045366.D
Acq On : 13 May 2020 17:55
Operator : CG/JU
Sample : L2593-03
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
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ClientSampleId :
FK-GF-02-057-B

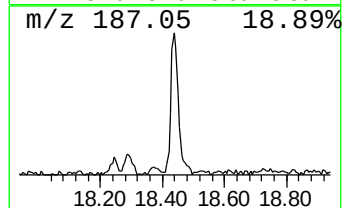
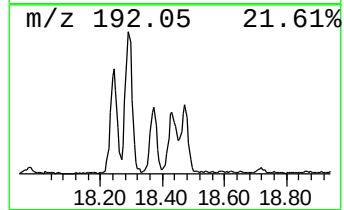
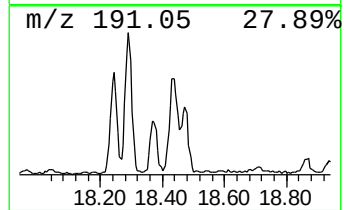
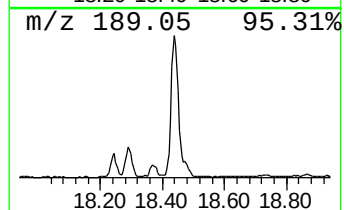
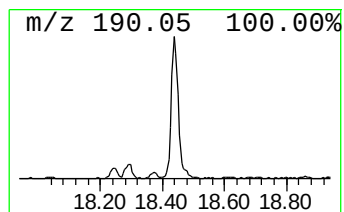
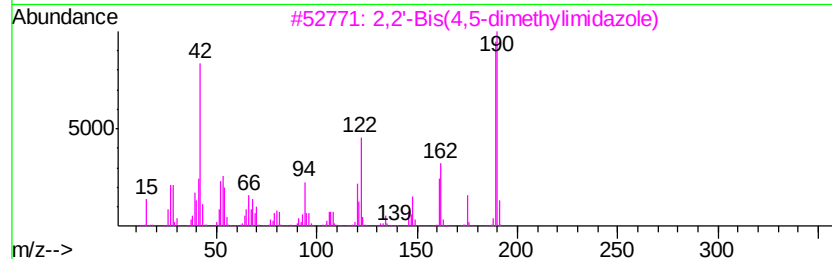
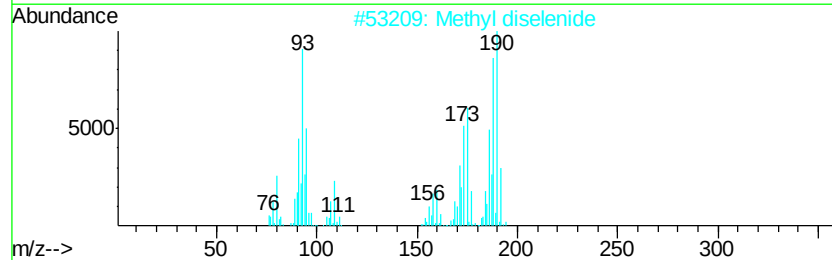
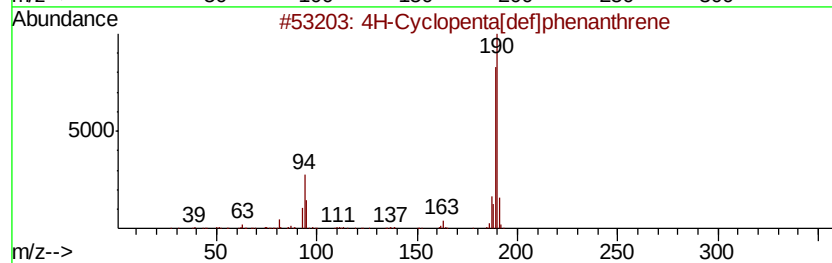
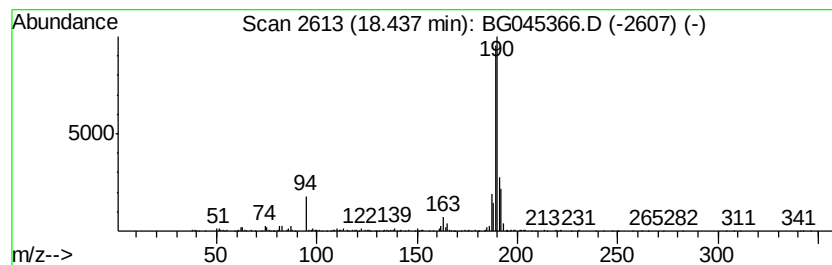
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.44	7.79 ng	460555	Phenanthrene-d10	17.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	74
2		Methyl diselenide	190	C2H6Se2	007101-31-7	55
3		2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
4		1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	23
5		2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	16



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Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051220\  
Data File : BG045366.D  
Acq On    : 13 May 2020 17:55  
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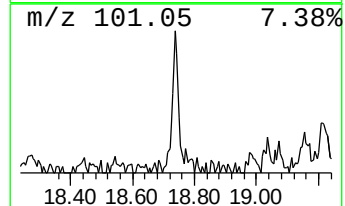
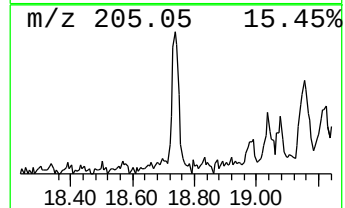
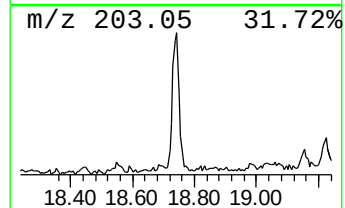
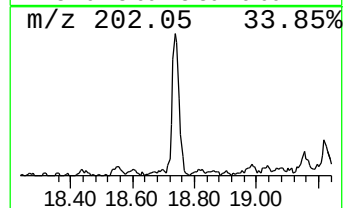
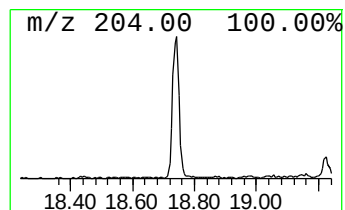
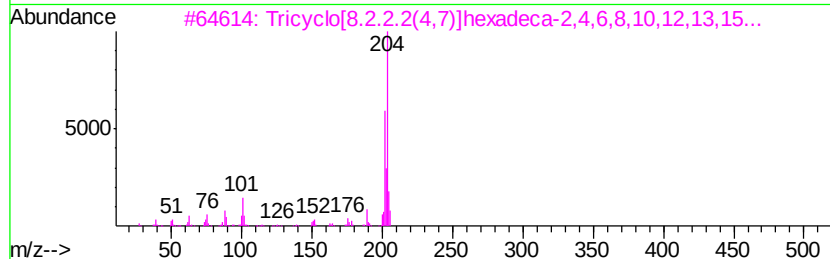
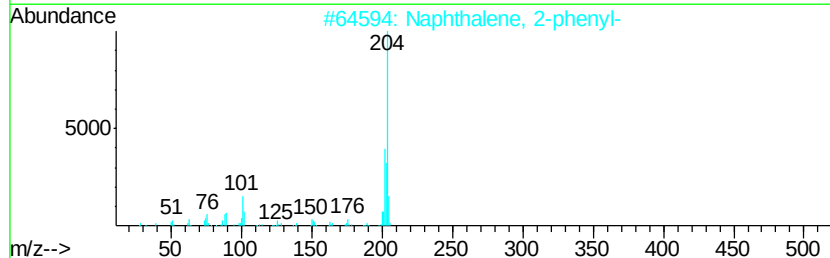
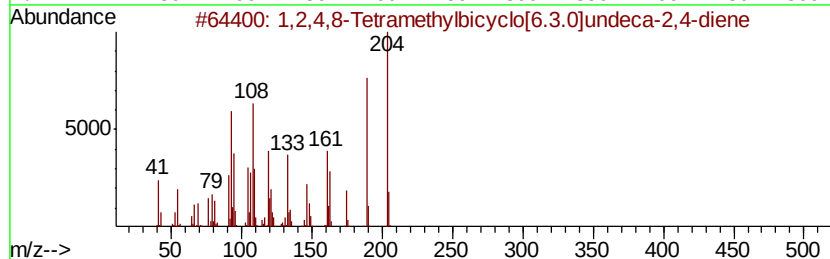
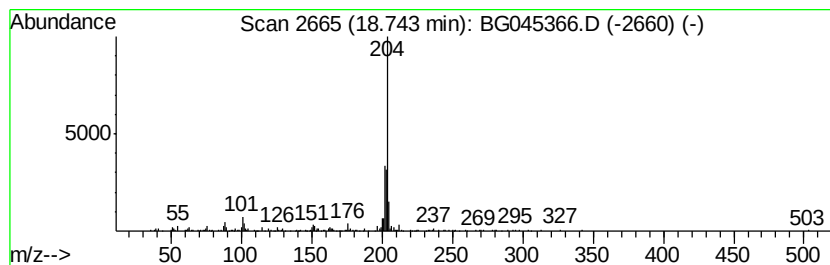
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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TIC Library      : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P
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*****
Peak Number      8      1,2,4,8-Tetramethylbicyclo[...      Concentration Rank      9

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R.T.	EstConc	Area	Relative to ISTD	R.T.			
18.74	2.85 ng	168723	Phenanthrene-d10	17.37			
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,2,4,8-Tetramethylbicyclo[6.3.0...]	204	C15H24	137235-51-9	92
2			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
3			Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	68
4			[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	64
5			[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051220\
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Acq On : 13 May 2020 17:55
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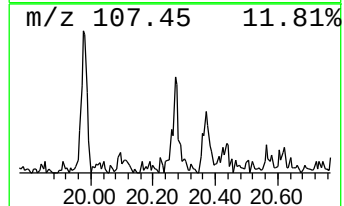
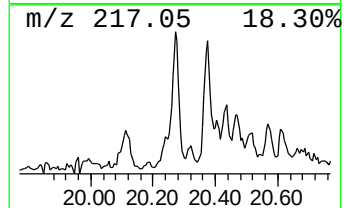
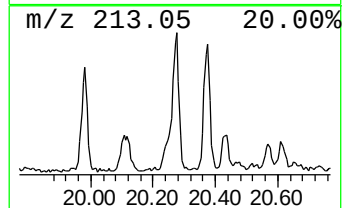
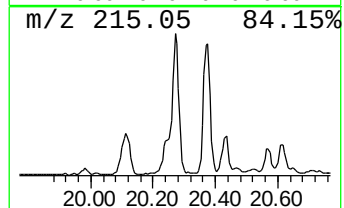
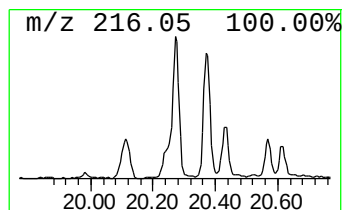
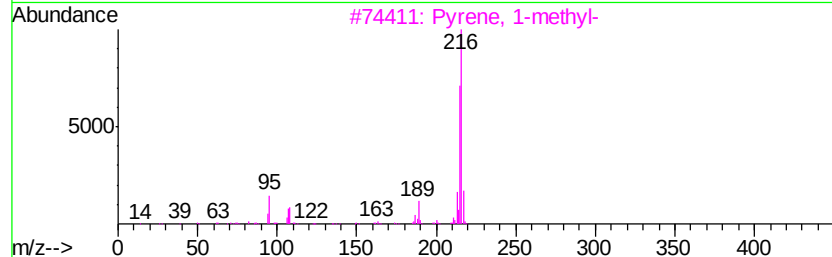
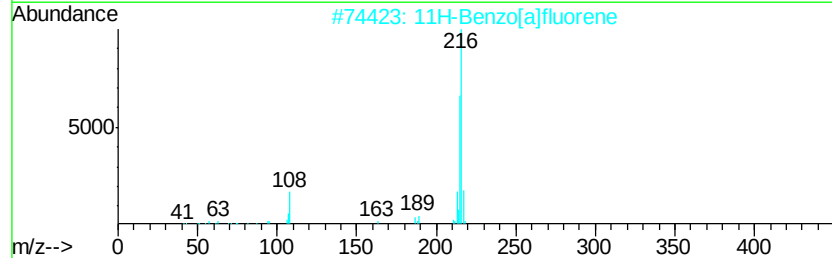
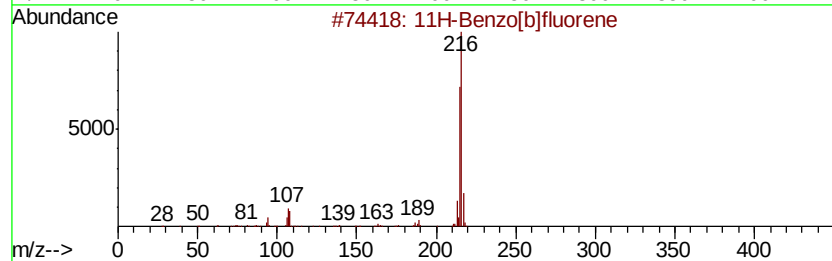
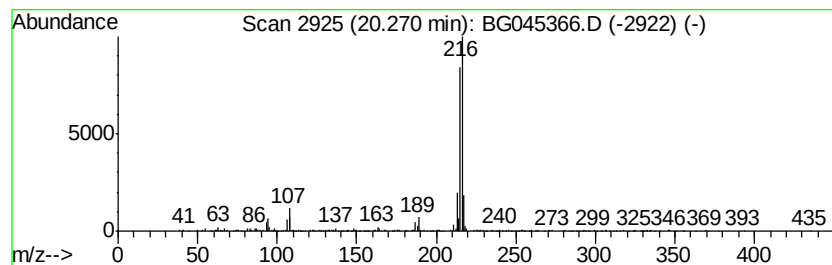
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 11H-Benzo[b]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.27	3.42 ng	420123	Chrysene-d12	21.63
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		11H-Benzo[b]fluorene	216 C17H12	000243-17-4 96
2		11H-Benzo[a]fluorene	216 C17H12	000238-84-6 90
3		Pvrene, 1-methyl-	216 C17H12	002381-21-7 90
4		Fluoranthene, 2-methyl-	216 C17H12	033543-31-6 83
5		1,3,5-Triazine-2,4,6-triamine, N...	216 C10H12N6	046731-79-7 64



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051220\
Data File : BG045366.D
Acq On : 13 May 2020 17:55
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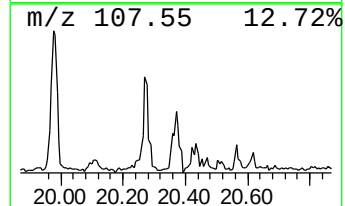
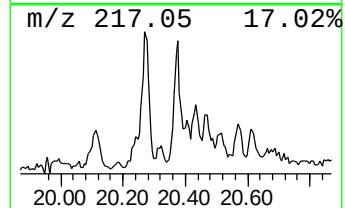
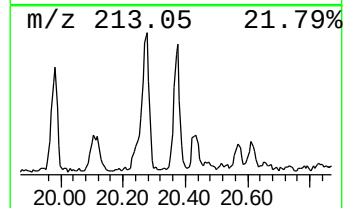
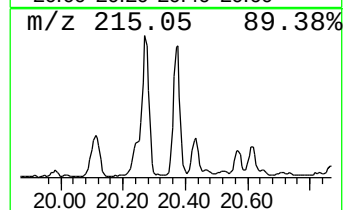
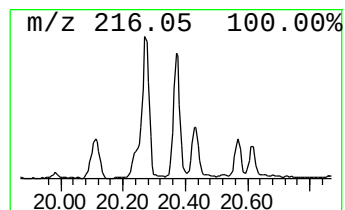
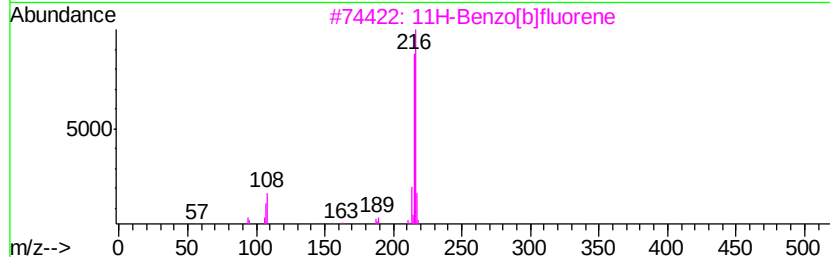
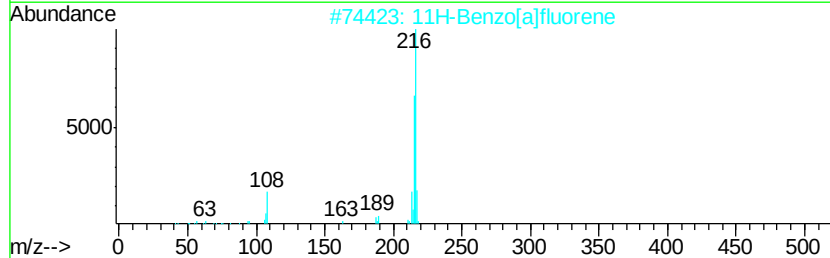
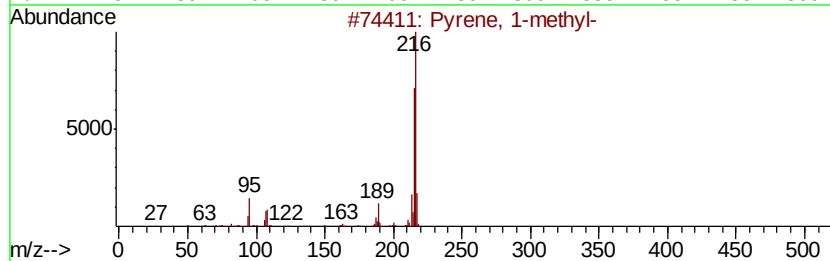
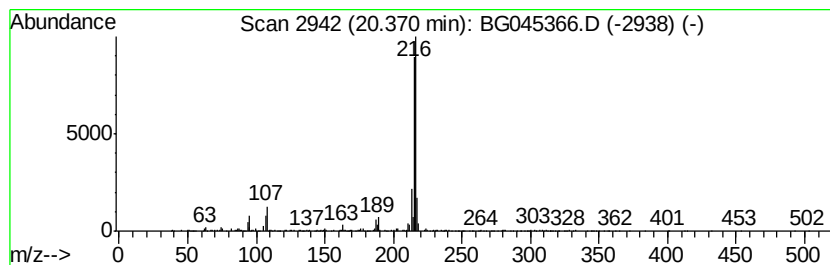
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Pyrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.37	2.77 ng	340619	Chrysene-d12	21.63

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
4		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5		6H-Thiazolo[5,4-e]indole, 2,7,8-...	216	C12H12N2S	1000338-32-0	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051220\
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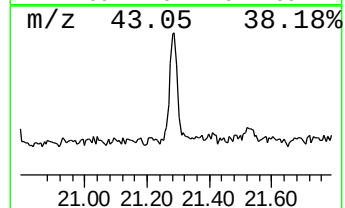
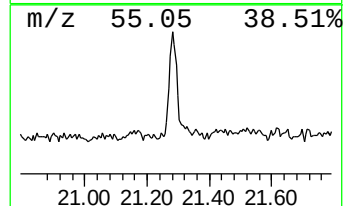
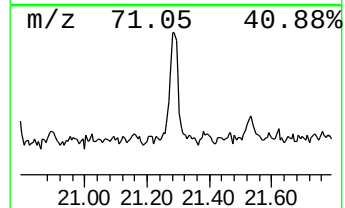
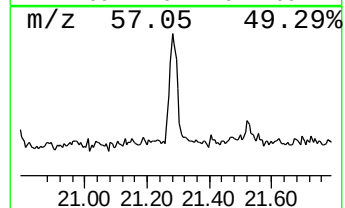
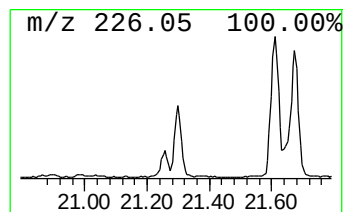
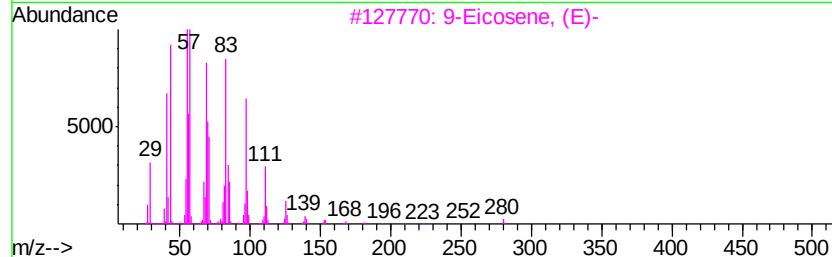
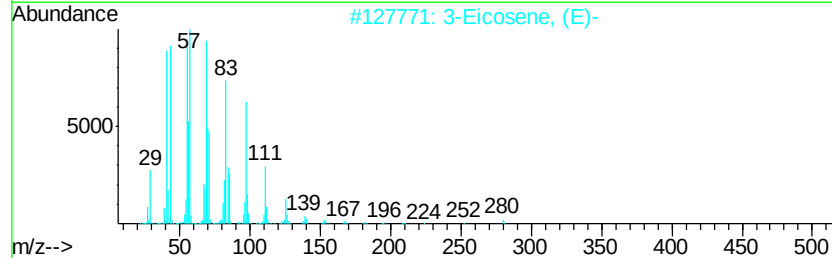
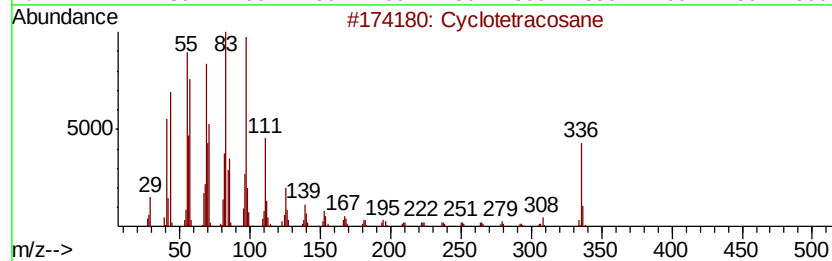
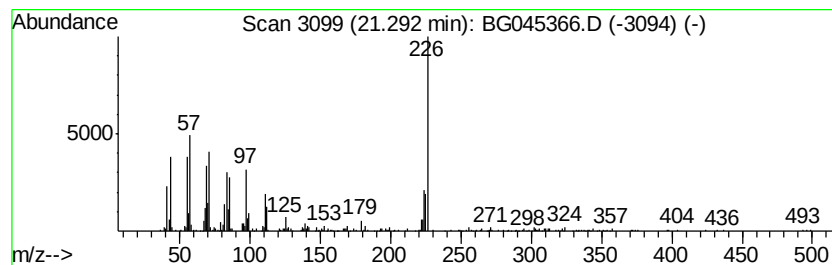
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Cyclotetracosane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
21.29	4.38 ng	538500	Chrysene-d12	21.63	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetracosane	336	C24H48	000297-03-0	90
2	3-Eicosene, (E)-	280	C20H40	074685-33-9	83
3	9-Eicosene, (E)-	280	C20H40	074685-29-3	78
4	5-Eicosene, (E)-	280	C20H40	074685-30-6	70
5	3-Hexadecene, (Z)-	224	C16H32	034303-81-6	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051220\
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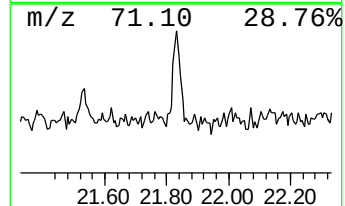
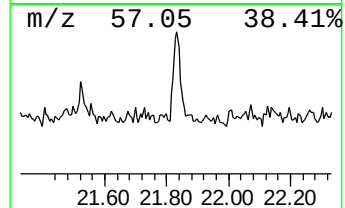
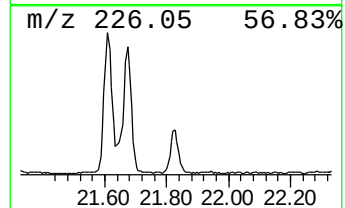
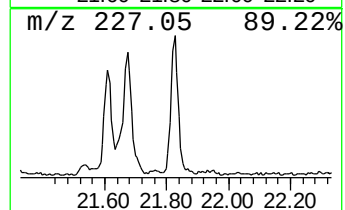
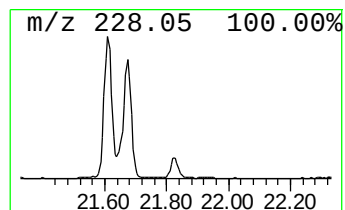
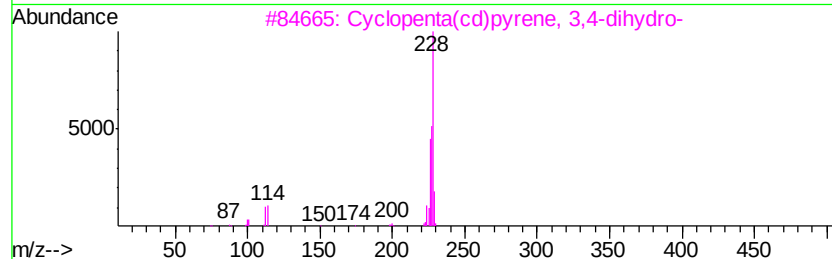
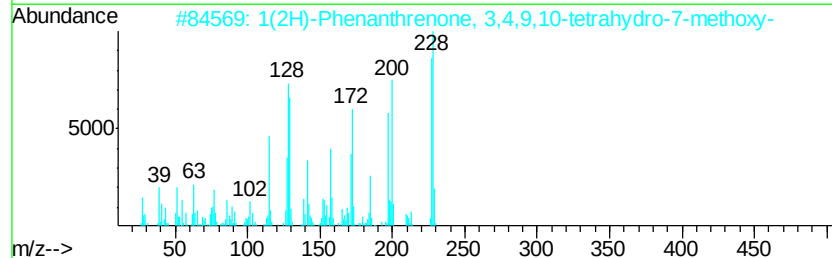
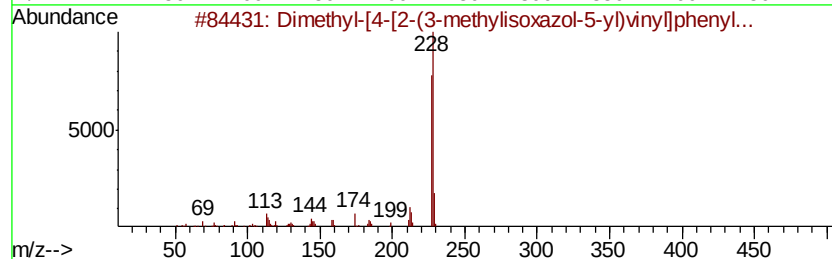
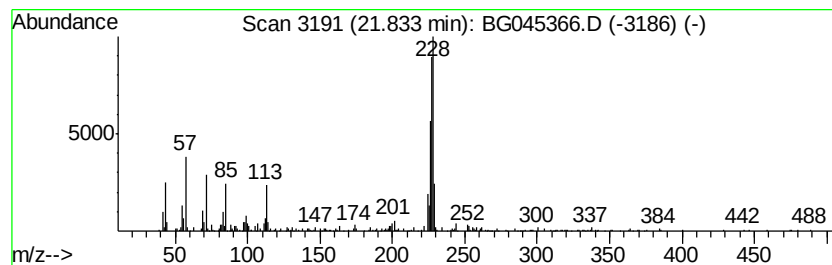
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Dimethyl-[4-[2-(3-methyliso... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.83	2.57 ng	316181	Chrysene-d12	21.63
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Dimethyl-[4-[2-(3-methylisoxazol...	228 C14H16N2O	1000306-39-6 50
2		1(2H)-Phenanthrenone, 3,4,9,10-t...	228 C15H16O2	014427-61-3 50
3		Cyclopenta(cd)pyrene, 3,4-dihydro-	228 C18H12	025732-74-5 45
4		Benzo[cl]phenanthrene	228 C18H12	000195-19-7 45
5		Chrysene	228 C18H12	000218-01-9 35



Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG051220\
Data File : BG045366.D
Acq On : 13 May 2020 17:55
Operator : CG/JU
Sample : L2593-03
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
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ClientSampleId :
FK-GF-02-057-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-methoxy...	3.13	4.8	ng	118649	1	7.97	489334	20.0
Dibenzothiophene	17.19	2.1	ng	125411	4	17.37	1182810	20.0
5H-Indeno[1,2-b]p...	17.76	2.4	ng	139022	4	17.37	1182810	20.0
Phenanthrene, 1-m...	18.24	4.0	ng	235166	4	17.37	1182810	20.0
1H-Indene, 2-phenyl-	18.29	4.3	ng	255442	4	17.37	1182810	20.0
4H-Cyclopenta[def...	18.44	7.8	ng	460555	4	17.37	1182810	20.0
1,2,4,8-Tetrameth...	18.74	2.9	ng	168723	4	17.37	1182810	20.0
11H-Benzo[b]fluorene	20.27	3.4	ng	420123	5	21.63	2458230	20.0
Pyrene, 1-methyl-	20.37	2.8	ng	340619	5	21.63	2458230	20.0
Cyclotetracosane	21.29	4.4	ng	538500	5	21.63	2458230	20.0
Dimethyl-[4-[2-(3...	21.83	2.6	ng	316181	5	21.63	2458230	20.0