LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081621\
Data File : BG049867.D
Acq On : 17 Aug 2021 2:39
Operator : CG/JU
Sample : M3407-20 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 28N

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-BG080321.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG049867.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.138	12	17	24	rBV2	35753	63622	1.23%	0.160%
2	5.588	427	434	442	rVB	191769	330586	6.39%	0.834%
3	7.197	699	708	716	rBV	209744	387045	7.48%	0.976%
4	8.032	842	850	857	rBV	143424	245198	4.74%	0.618%
5	9.201	1041	1049	1057	rBV	143971	255056	4.93%	0.643%
6	10.851	1320	1330	1335	rBV2	189278	345157	6.67%	0.870%
7	10.898	1335	1338	1345	rVB	36287	61064	1.18%	0.154%
8	12.508	1607	1612	1621	rVB2	30364	54457	1.05%	0.137%
9	12.731	1641	1650	1657	rVB2	33370	57004	1.10%	0.144%
10	13.301	1740	1747	1755	rVB	348304	552178	10.67%	1.392%
11	13.847	1835	1840	1849	rVB3	26089	70112	1.36%	0.177%
12	14.000	1861	1866	1871	rBV3	43856	78881	1.52%	0.199%
13	14.411	1928	1936	1945	rBV2	46517	94402	1.82%	0.238%
14	14.681	1971	1982	1988	rBV	270201	464424	8.98%	1.171%
15	14.746	1988	1993	2000	rVB	137117	227511	4.40%	0.574%
16	15.081	2043	2050	2058	rBV	166113	260932	5.04%	0.658%
17	15.733	2153	2161	2168	rBV	248068	400687	7.74%	1.010%
18	16.027	2206	2211	2218	rVB	77671	131736	2.55%	0.332%
19	16.174	2230	2236	2244	rVV	340243	583283	11.27%	1.471%
20	16.262	2244	2251	2256	rVB3	25350	55352	1.07%	0.140%
21	16.409	2266	2276	2281	rBV8	32671	64275	1.24%	0.162%
22	16.738	2320	2332	2337	rBV5	75003	194977	3.77%	0.492%
23	16.967	2362	2371	2374	rBV5	49546	110279	2.13%	0.278%
24	17.090	2387	2392	2398	rVB	90576	144263	2.79%	0.364%
25	17.166	2400	2405	2412	rVV2	51735	108374	2.09%	0.273%
26	17.254	2415	2420	2428	rVB	160560	252045	4.87%	0.636%
27	17.442	2446	2452	2454	rBV	269773	435271	8.41%	1.098%
28	17.489	2454	2460	2465	rVV	2320964	3603494	69.65%	9.087%
29	17.572	2465	2474	2479	rVV	556285	839035	16.22%	2.116%
30	17.630	2479	2484	2489	rVB3	51257	95534	1.85%	0.241%
31	17.842	2511	2520	2529	rBV3	182825	393191	7.60%	0.991%
32	17.954	2535	2539	2544	rBV2	54104	74909	1.45%	0.189%
33	18.318	2592	2601	2605	rBV	257937	432736	8.36%	1.091%
34	18.365	2605	2609	2614	rVB	349662	499874	9.66%	1.261%
35	18.447	2618	2623	2628	rBV	139850	212002	4.10%	0.535%
36	18.517	2628	2635	2638	rBV2	378869	738517	14.27%	1.862%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081621\
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Acq On : 17 Aug 2021 2:39
Operator : CG/JU
Sample : M3407-20 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 28N

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-BG080321.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	18.811	2680	2685	2689	rBV	217521	304453	5.88%	0.768%
38	18.858	2689	2693	2697	rVV	125887	163002	3.15%	0.411%
39	19.111	2732	2736	2739	rBV	45600	62859	1.21%	0.159%
40	19.146	2739	2742	2747	rVB2	45901	58438	1.13%	0.147%
41	19.228	2752	2756	2761	rBV2	108643	204319	3.95%	0.515%
42	19.375	2777	2781	2789	rVB3	124257	238486	4.61%	0.601%
43	19.504	2795	2803	2808	rBV	3241245	5173609	100.00%	13.046%
44	19.592	2815	2818	2822	rVB2	71909	87243	1.69%	0.220%
45	19.739	2841	2843	2847	rVB	122895	135368	2.62%	0.341%
46	19.833	2853	2859	2860	rBV	486428	709116	13.71%	1.788%
47	19.869	2860	2865	2871	rVV	2639444	4029200	77.88%	10.160%
48	19.921	2871	2874	2881	rVB2	142450	222129	4.29%	0.560%
49	20.045	2889	2895	2900	rBV2	521272	774539	14.97%	1.953%
50	20.098	2901	2904	2910	rVB	156550	237549	4.59%	0.599%
51	20.174	2912	2917	2918	rBV	145616	219390	4.24%	0.553%
52	20.315	2936	2941	2943	rBV3	158457	296569	5.73%	0.748%
53	20.350	2943	2947	2952	rVB	386629	556210	10.75%	1.403%
54	20.450	2960	2964	2967	rBV	254585	320713	6.20%	0.809%
55	21.114	3074	3077	3084	rVB	190985	309049	5.97%	0.779%
56	21.302	3104	3109	3113	rBV2	196889	350471	6.77%	0.884%
57	21.343	3113	3116	3121	rVV2	371663	536228	10.36%	1.352%
58	21.402	3121	3126	3130	rVB2	199965	338882	6.55%	0.855%
59	21.719	3173	3180	3186	rBV3	1367799	2791458	53.96%	7.039%
60	21.784	3186	3191	3200	rVB	1056897	1813332	35.05%	4.573%
61	21.860	3200	3204	3209	rBV3	143205	207545	4.01%	0.523%
62	21.930	3213	3216	3223	rVB2	155470	246233	4.76%	0.621%
63	22.142	3249	3252	3258	rVB3	146984	265978	5.14%	0.671%
64	22.547	3318	3321	3326	rVB3	161210	258624	5.00%	0.652%
65	23.992	3558	3567	3574	rBV	699605	2313187	44.71%	5.833%
66	24.245	3604	3610	3622	rVB	155297	398861	7.71%	1.006%
67	24.727	3686	3692	3704	rVB2	404426	1220622	23.59%	3.078%
68	24.885	3710	3719	3729	rVB	658929	1895344	36.63%	4.779%

Sum of corrected areas: 39656469

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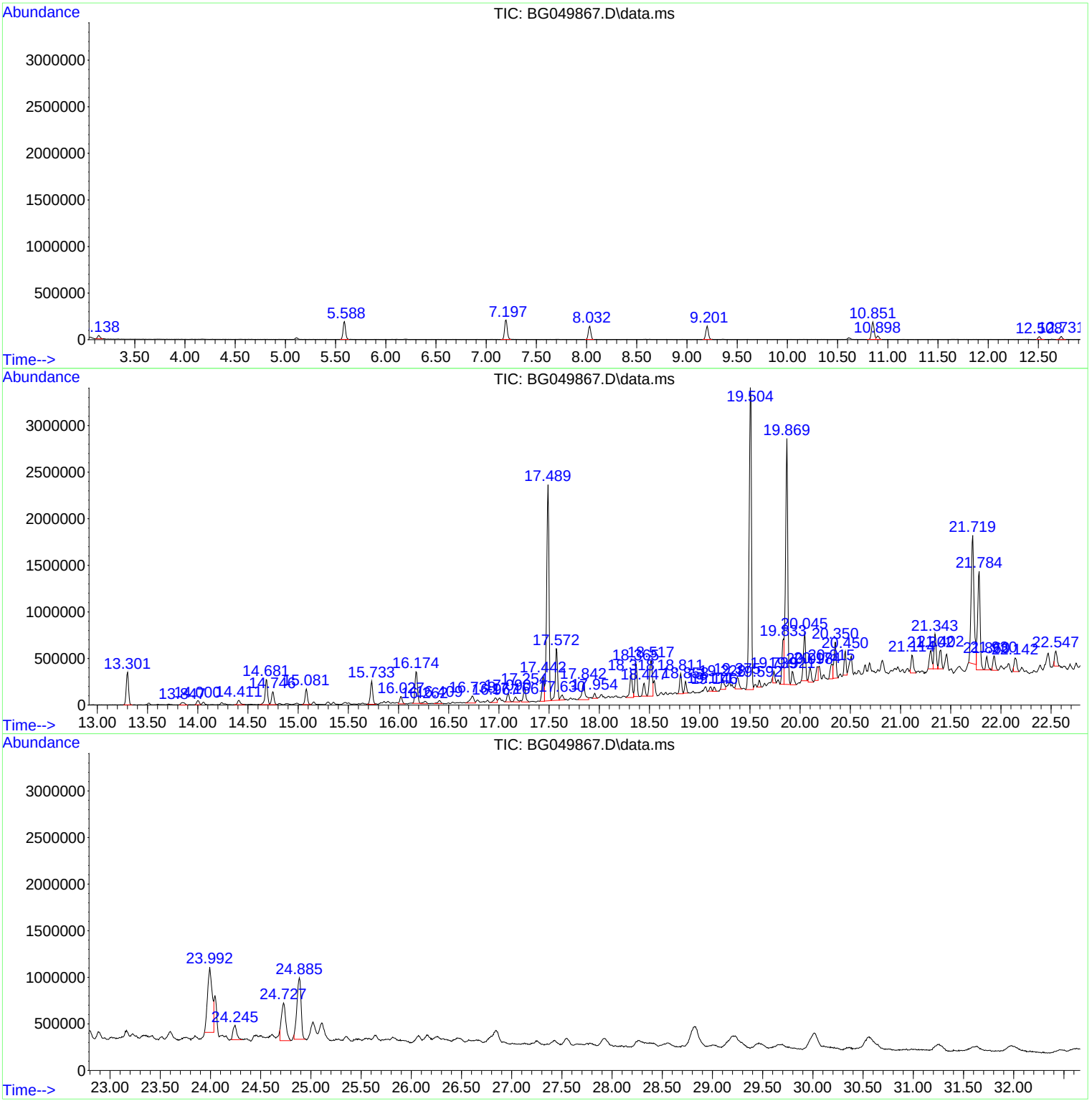
Sample : M3407-20 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
28N

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.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\BG081621\
Data File : BG049867.D
Acq On : 17 Aug 2021 2:39
Operator : CG/JU
Sample : M3407-20 2X
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Instrument : BNA_G
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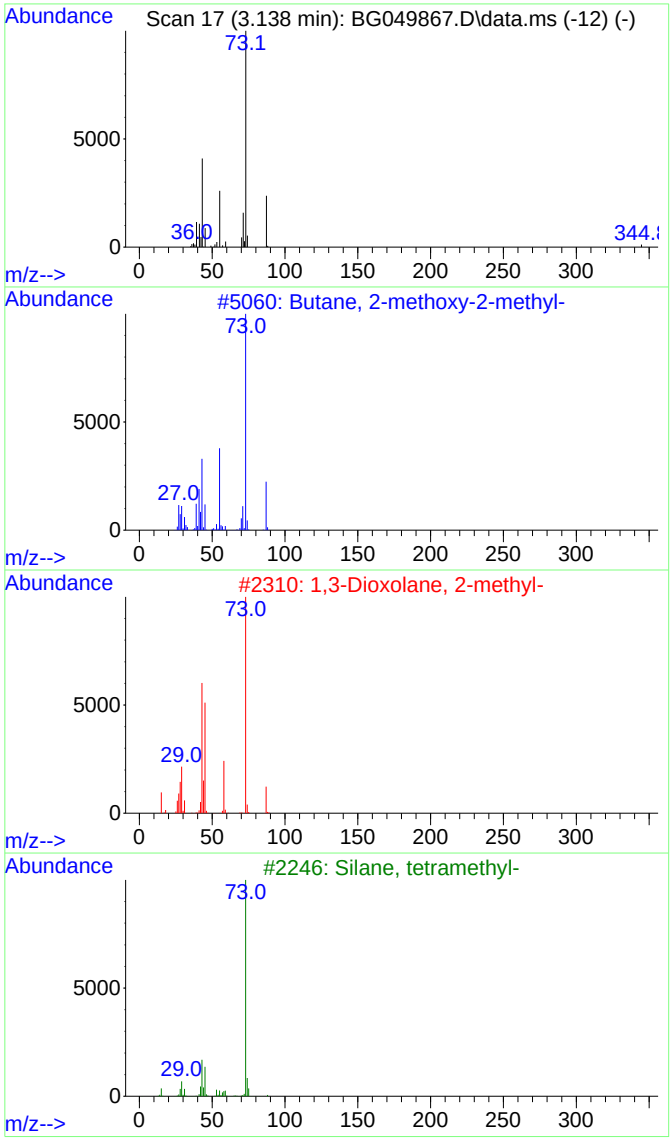
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

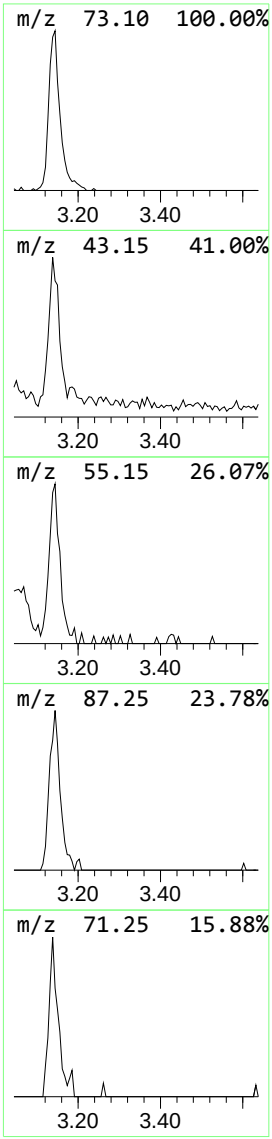
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.138	5.19 ng	63622	1,4-Dichlorobenzene-d4	8.032

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9
3	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9
4	N-Ethylformamide	73	C3H7NO	000627-45-2	9
5	2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081621\
Data File : BG049867.D
Acq On : 17 Aug 2021 2:39
Operator : CG/JU
Sample : M3407-20 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 28N

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

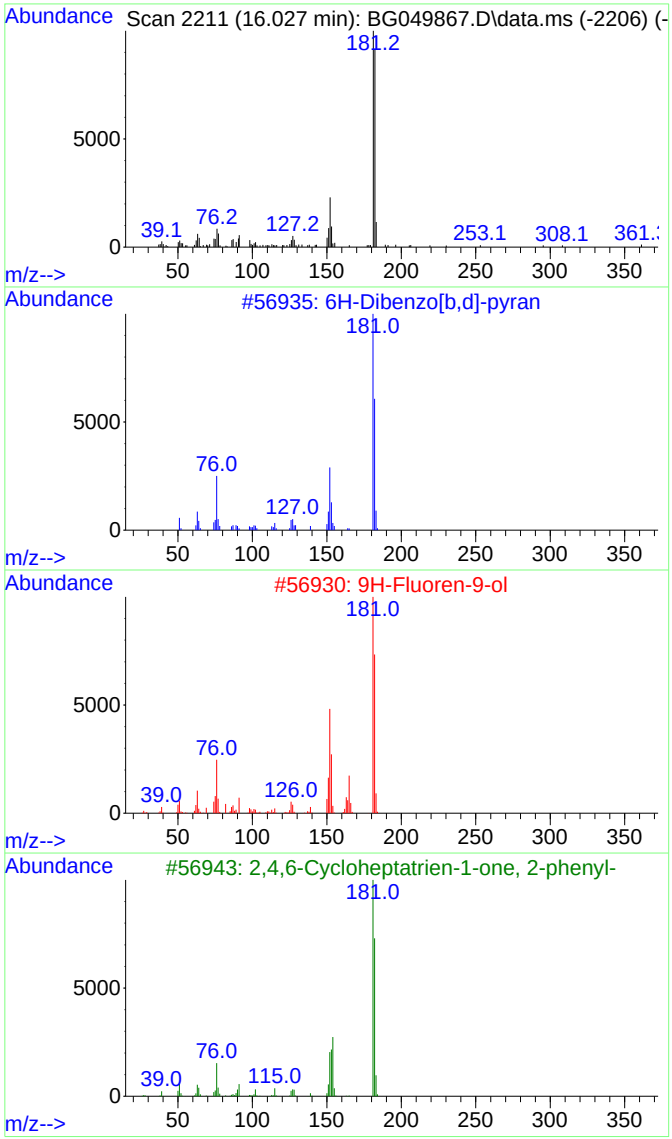
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

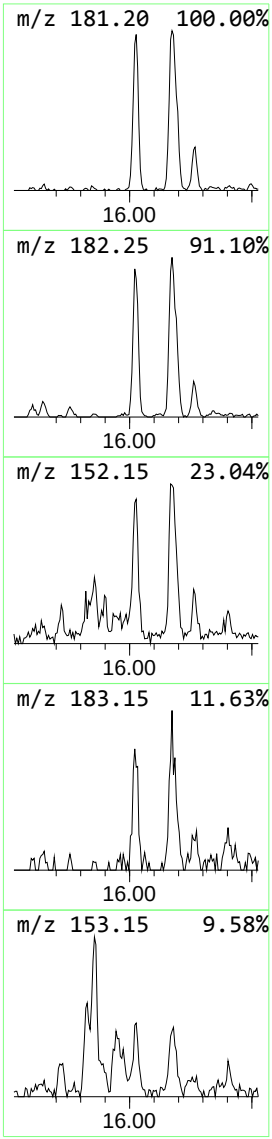
****

Peak Number 2 6H-Dibenzo[b,d]-pyran Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.027	5.67 ng	131736	Acenaphthene-d10	14.682

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	91
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	91
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	87
4	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	72
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	62





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081621\
Data File : BG049867.D
Acq On : 17 Aug 2021 2:39
Operator : CG/JU
Sample : M3407-20 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 28N

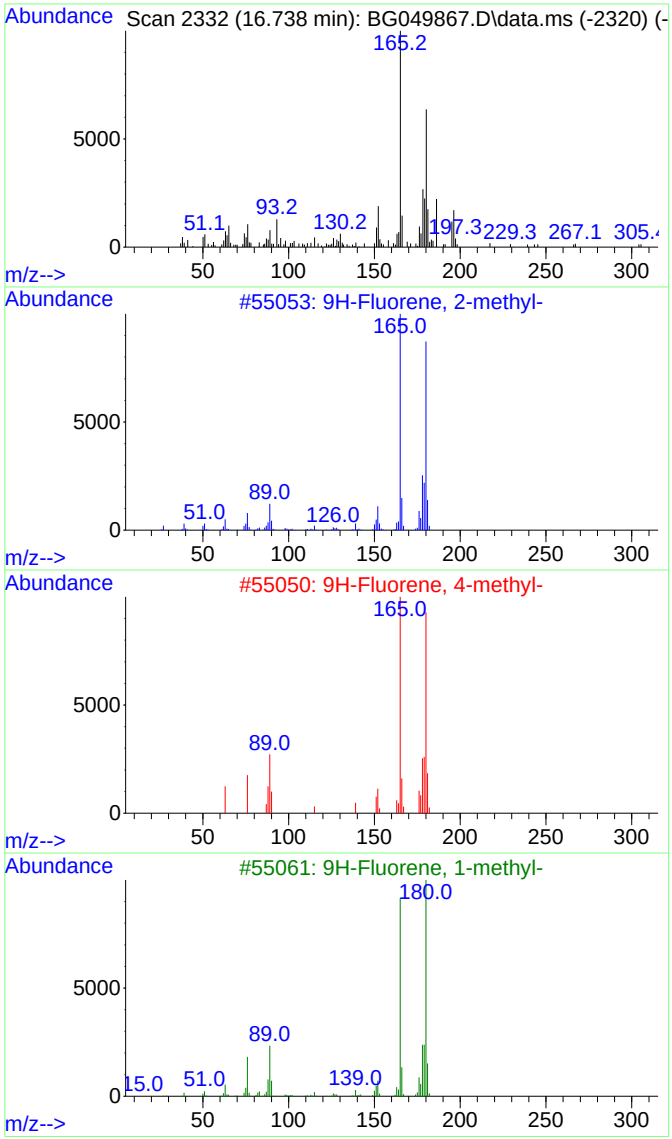
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

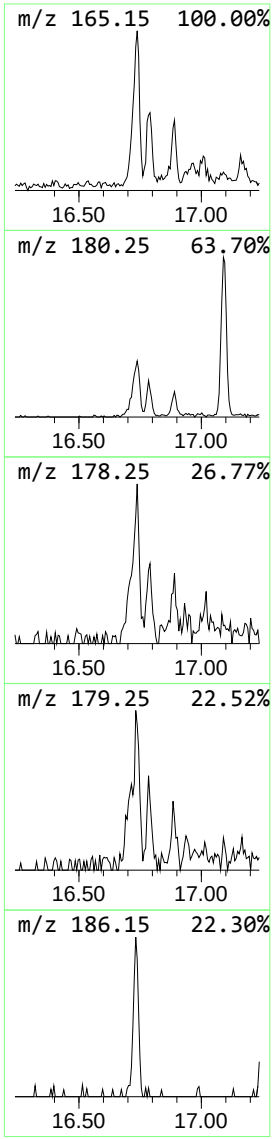
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 9H-Fluorene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.738	8.96 ng	194977	Phenanthrene-d10	17.442

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	70
2	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	70
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	62
4	Benzenethiol, 4-(1,1-dimethyleth...	180	C11H16S	015570-10-2	58
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081621\
Data File : BG049867.D
Acq On : 17 Aug 2021 2:39
Operator : CG/JU
Sample : M3407-20 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 28N

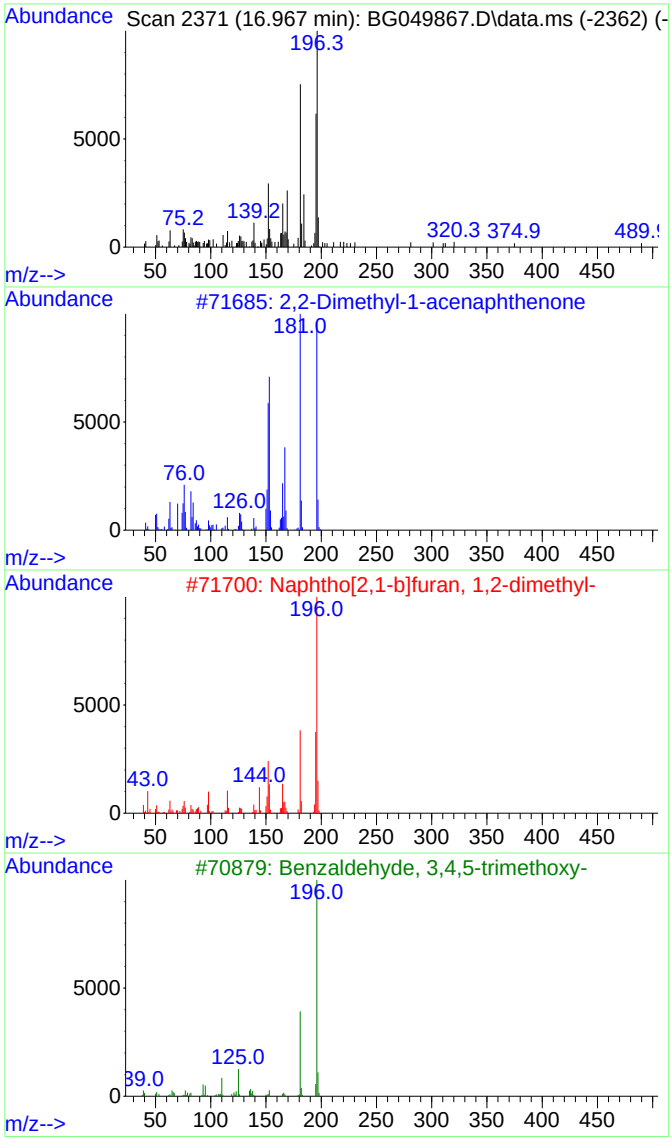
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

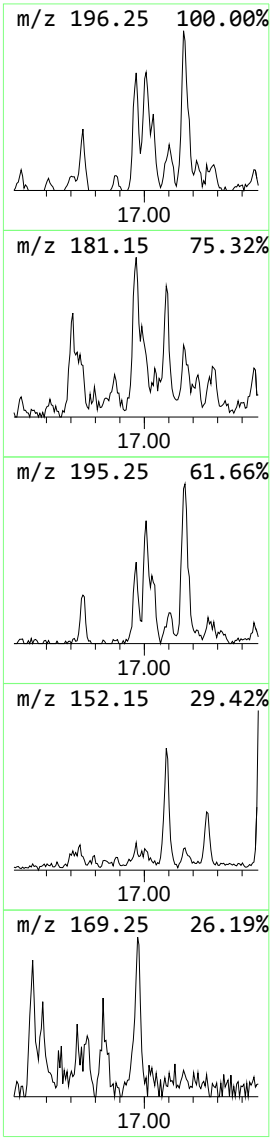
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 2,2-Dimethyl-1-acenaphthenone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.967	5.07 ng	110279	Phenanthrene-d10	17.442

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-Dimethyl-1-acenaphthenone	196	C14H12O	018086-43-6	58
2	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	58
3	Benzaldehyde, 3,4,5-trimethoxy-	196	C10H12O4	000086-81-7	49
4	4-Methoxyphenol, TMS derivative	196	C10H16O2Si	006689-38-9	46
5	Xanthoxylin	196	C10H12O4	000090-24-4	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081621\
Data File : BG049867.D
Acq On : 17 Aug 2021 2:39
Operator : CG/JU
Sample : M3407-20 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 28N

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

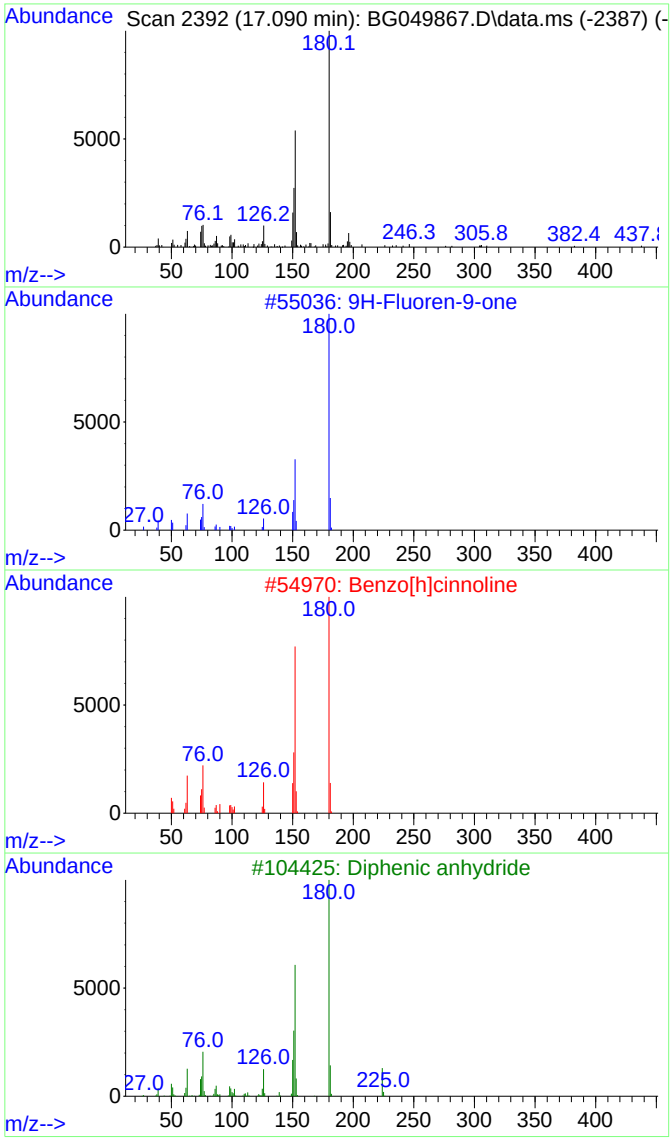
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

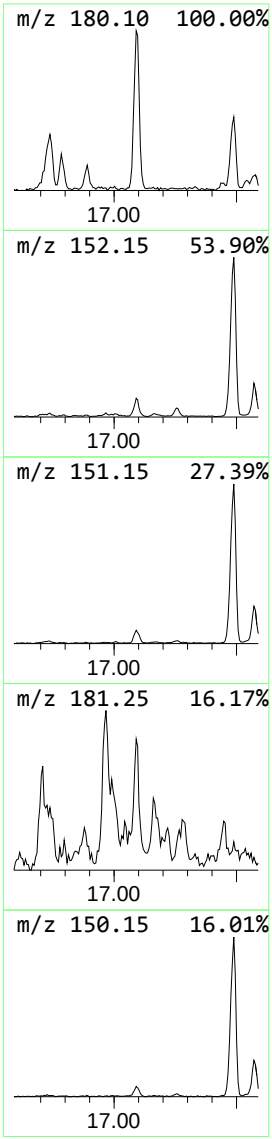
****

Peak Number 5 9H-Fluoren-9-one Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.090	6.63 ng	144263	Phenanthrene-d10	17.442

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	97
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	90
3	Diphenic anhydride	224	C14H8O3	006050-13-1	87
4	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	83
5	2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081621\
Data File : BG049867.D
Acq On : 17 Aug 2021 2:39
Operator : CG/JU
Sample : M3407-20 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 28N

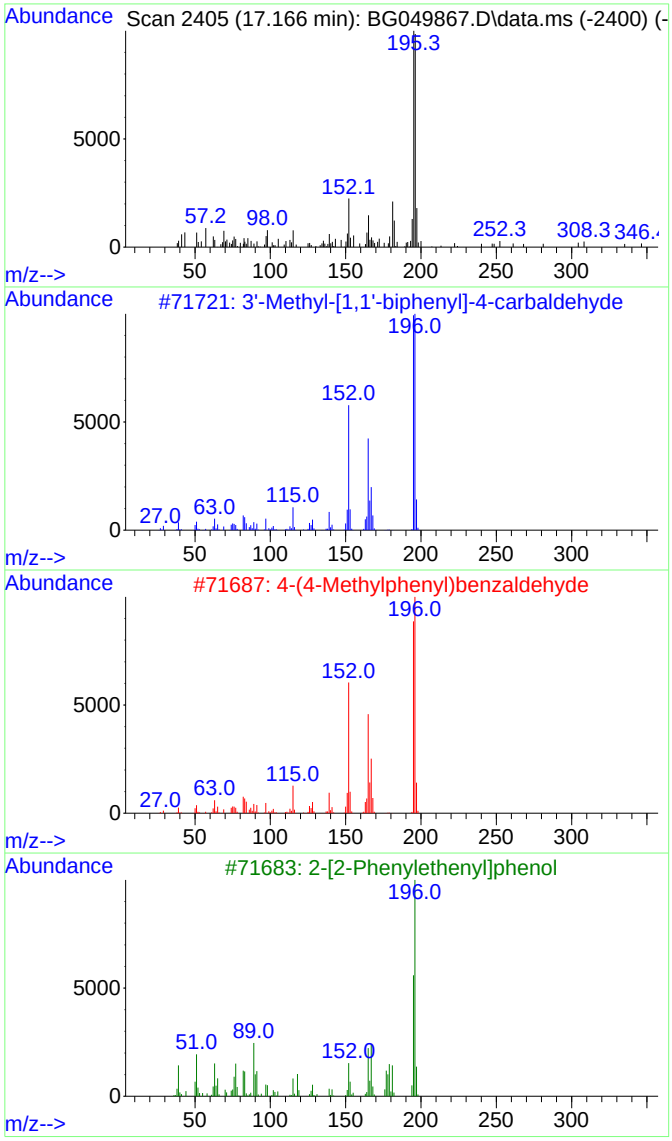
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

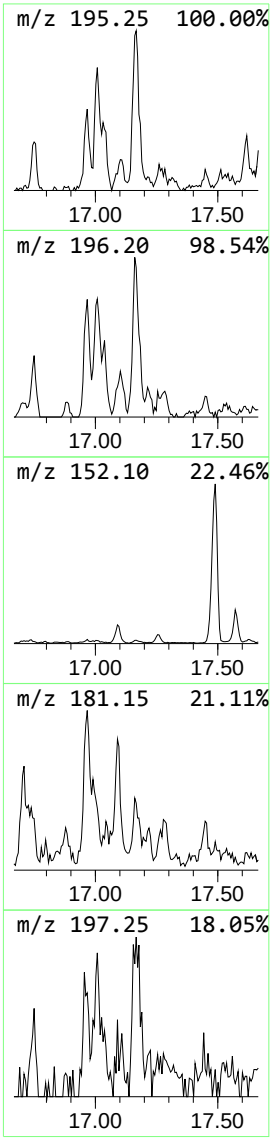
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 3'-Methyl-[1,1'-biphenyl]-4... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.166	4.98 ng	108374	Phenanthrene-d10	17.442

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3'-Methyl-[1,1'-biphenyl]-4-carb...	196	C14H12O	400744-83-4	68
2	4-(4-Methylphenyl)benzaldehyde	196	C14H12O	036393-42-7	68
3	2-[2-Phenylethenyl]phenol	196	C14H12O	042224-48-6	47
4	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	46
5	Benzenamine, 4-[(E)-2-(4-pyridin...	196	C13H12N2	1000351-61-4	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081621\
Data File : BG049867.D
Acq On : 17 Aug 2021 2:39
Operator : CG/JU
Sample : M3407-20 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 28N

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

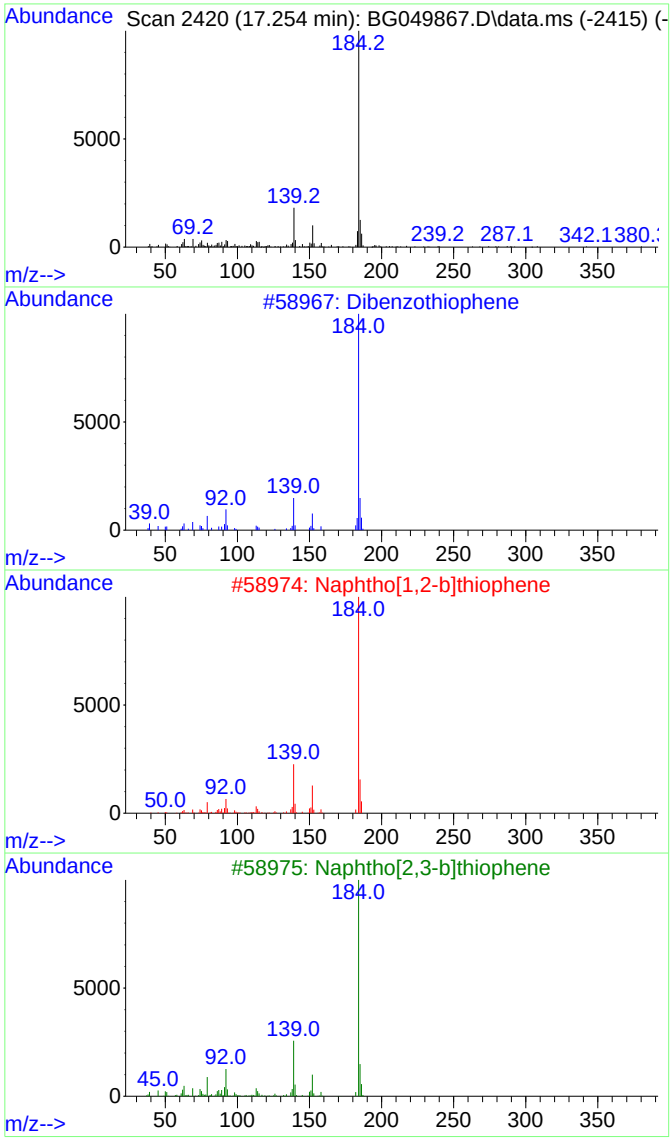
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

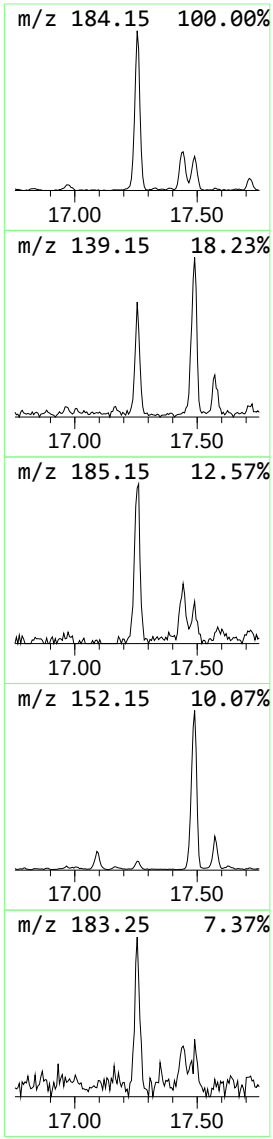
****

Peak Number 7 Dibenzothiophene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.255	11.58 ng	252045	Phenanthrene-d10	17.442

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	94
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	87
4	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	83
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	80





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Acq On : 17 Aug 2021 2:39
Operator : CG/JU
Sample : M3407-20 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 28N

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

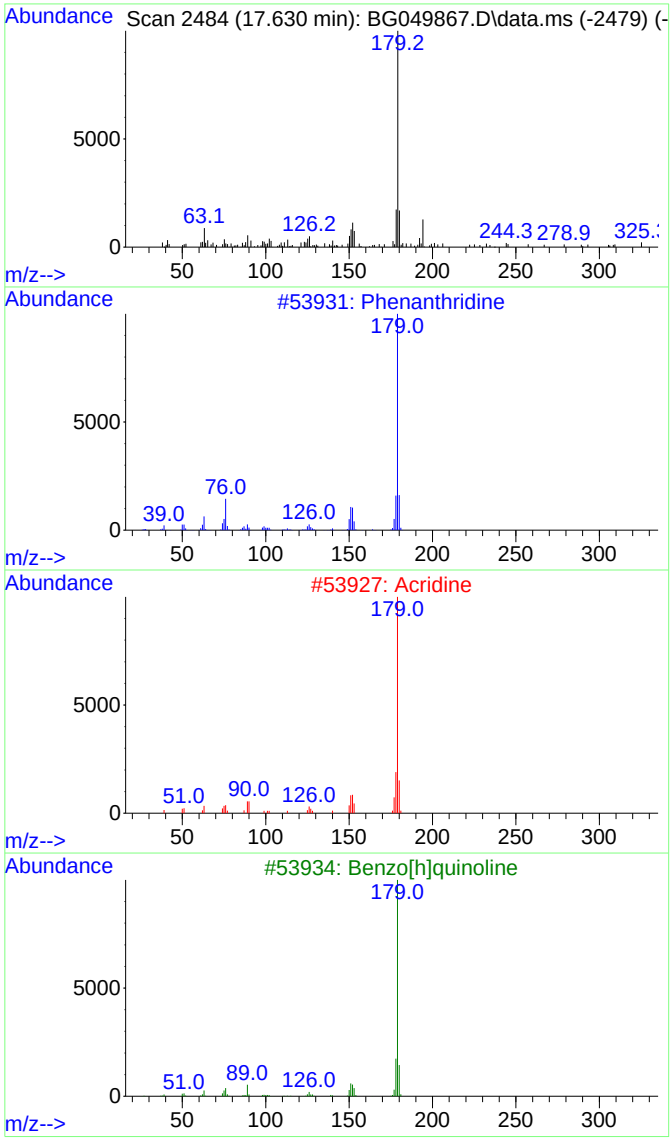
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

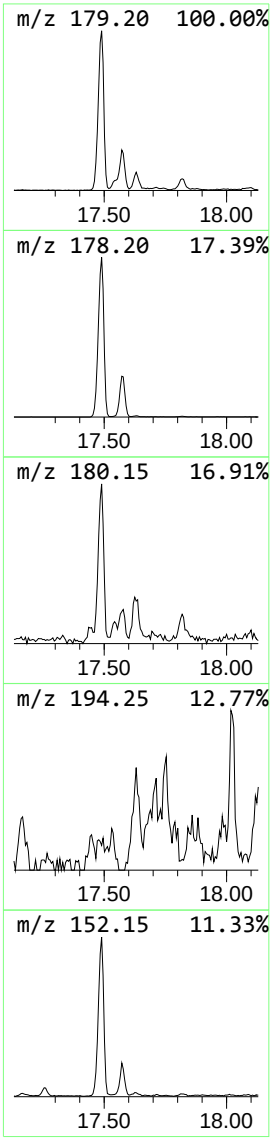
****

Peak Number 8 Phenanthridine Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.630	4.39 ng	95534	Phenanthrene-d10	17.442

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthridine	179	C13H9N	000229-87-8	81
2	Acridine	179	C13H9N	000260-94-6	81
3	Benzo[h]quinoline	179	C13H9N	000230-27-3	81
4	Benzo[f]quinoline	179	C13H9N	000085-02-9	74
5	[1,1'-Biphenyl]-2-carbonitrile	179	C13H9N	024973-49-7	72





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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 28N

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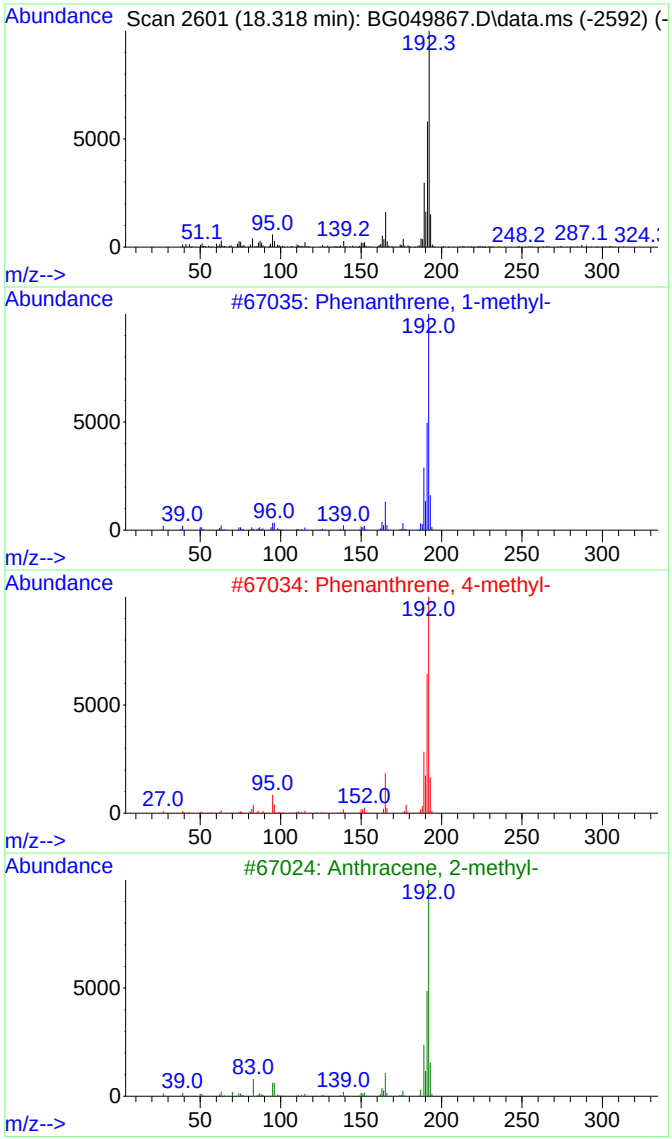
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

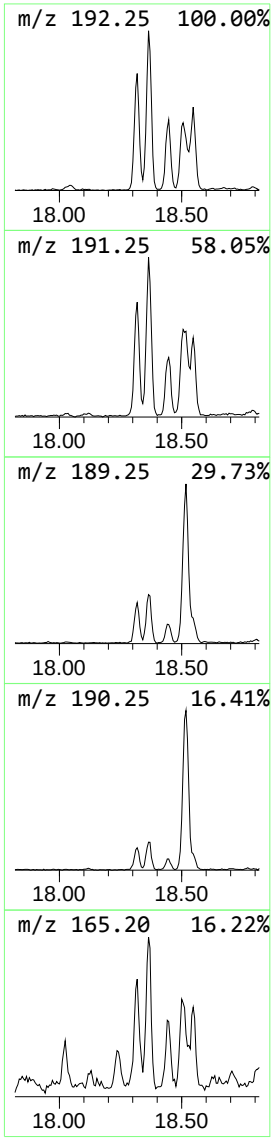
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.318	19.88 ng	432736	Phenanthrene-d10	17.442

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





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Sample : M3407-20 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 28N

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

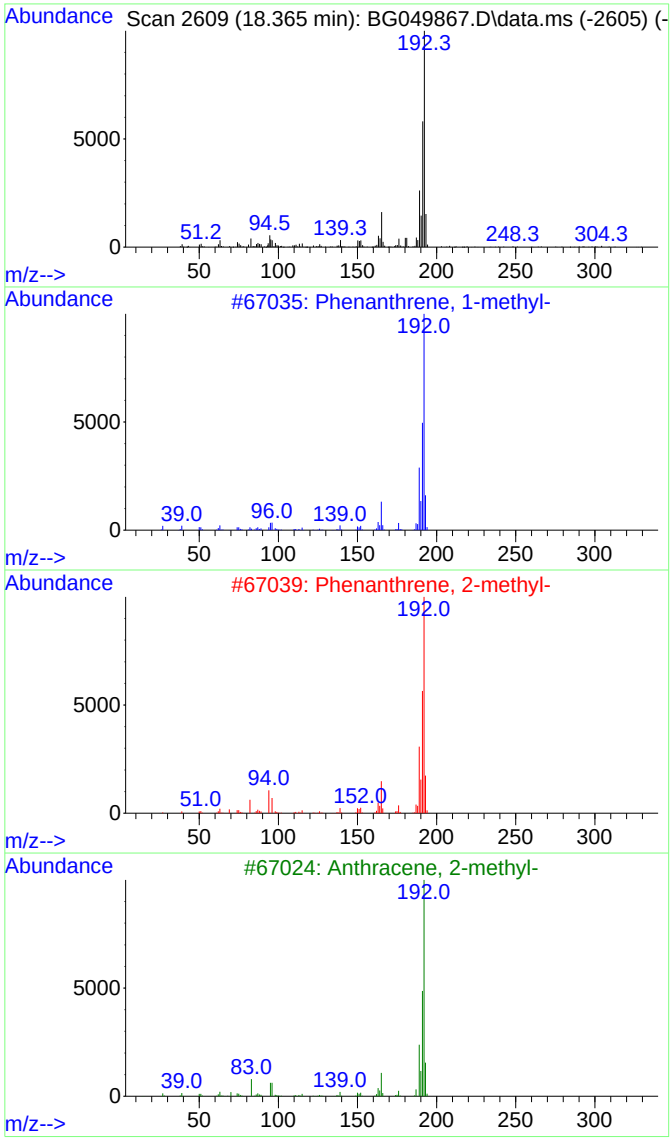
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

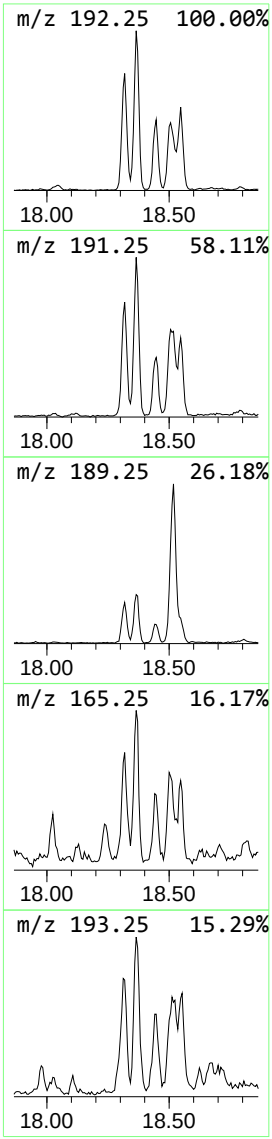
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.365	22.97 ng	499874	Phenanthrene-d10	17.442

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91





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Sample : M3407-20 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 28N

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

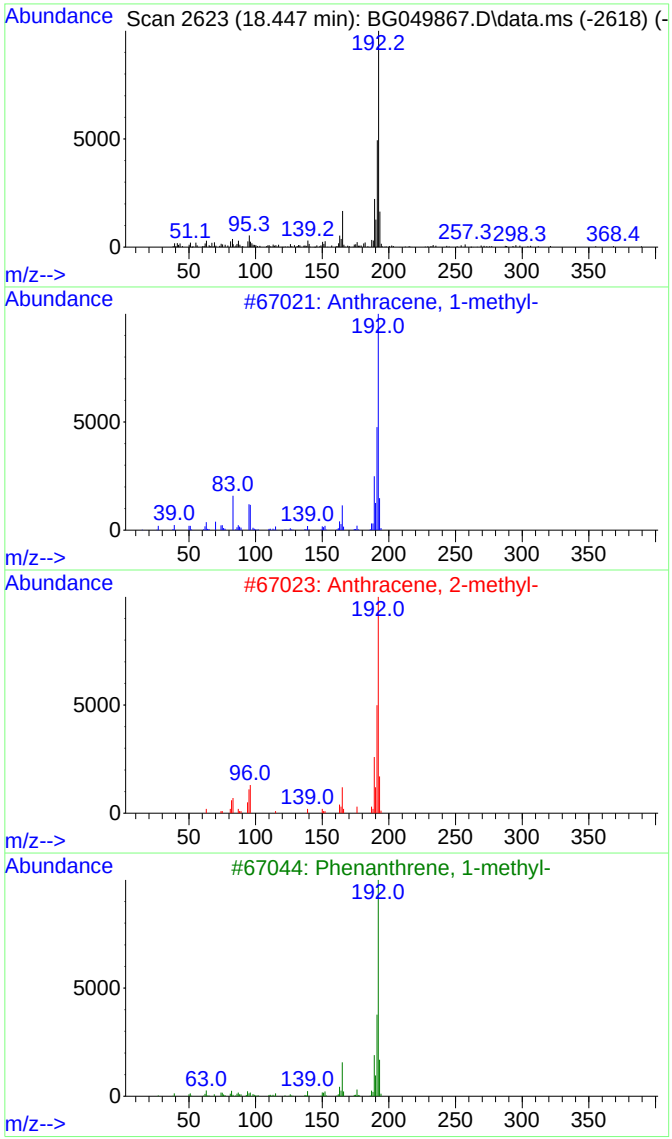
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

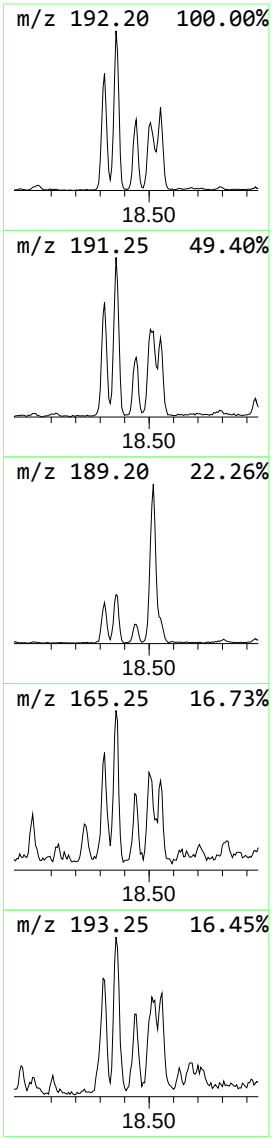
****

Peak Number 11 Anthracene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.447	9.74 ng	212002	Phenanthrene-d10	17.442

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93





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Sample : M3407-20 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 28N

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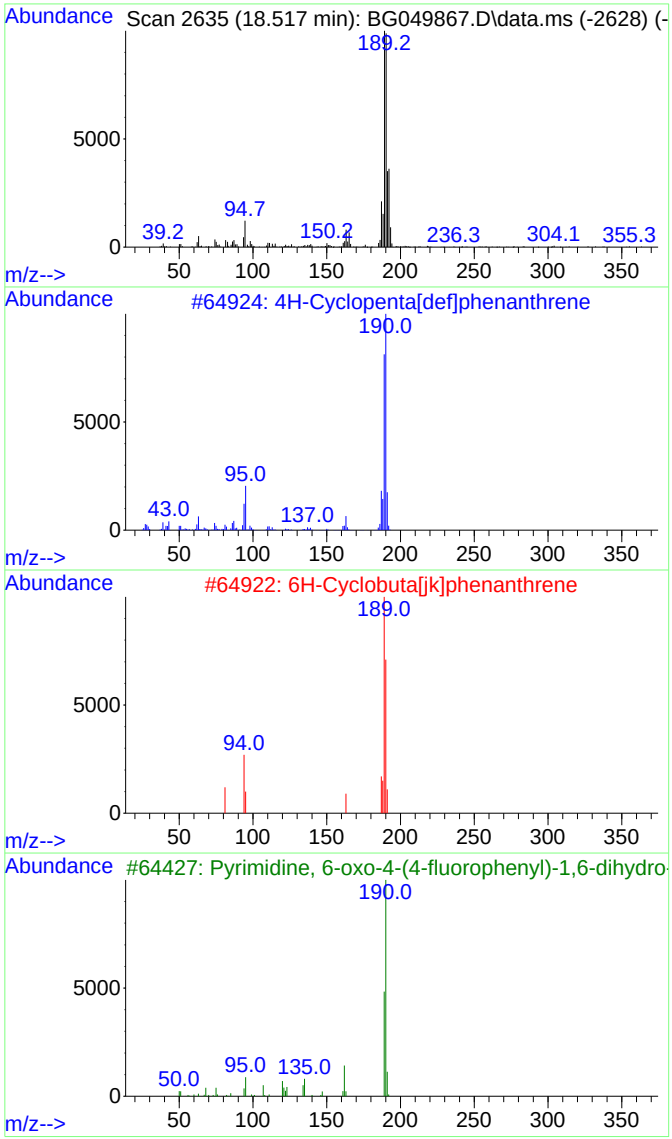
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

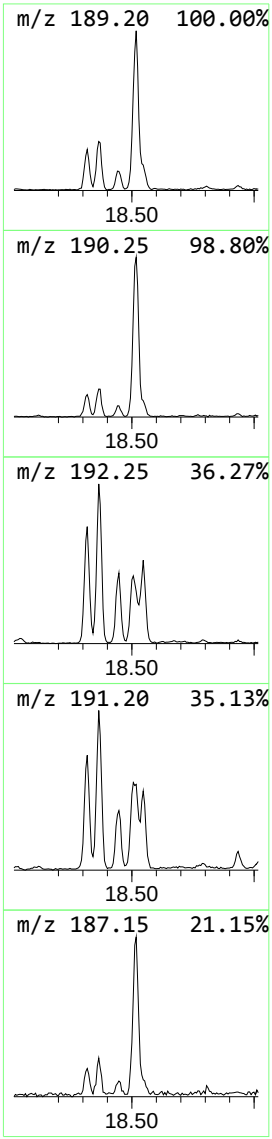
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.517	33.93 ng	738517	Phenanthrene-d10	17.442

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
3	Pyrimidine, 6-oxo-4-(4-fluorophe...	190	C10H7FN2O	085979-57-3	37
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	36
5	Carbonic acid, 2-formyl-4,6-dich...	276	C11H10Cl2O4	1000331-39-3	23





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Sample : M3407-20 2X
Misc :
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Instrument : BNA_G
ClientSampleId : 28N

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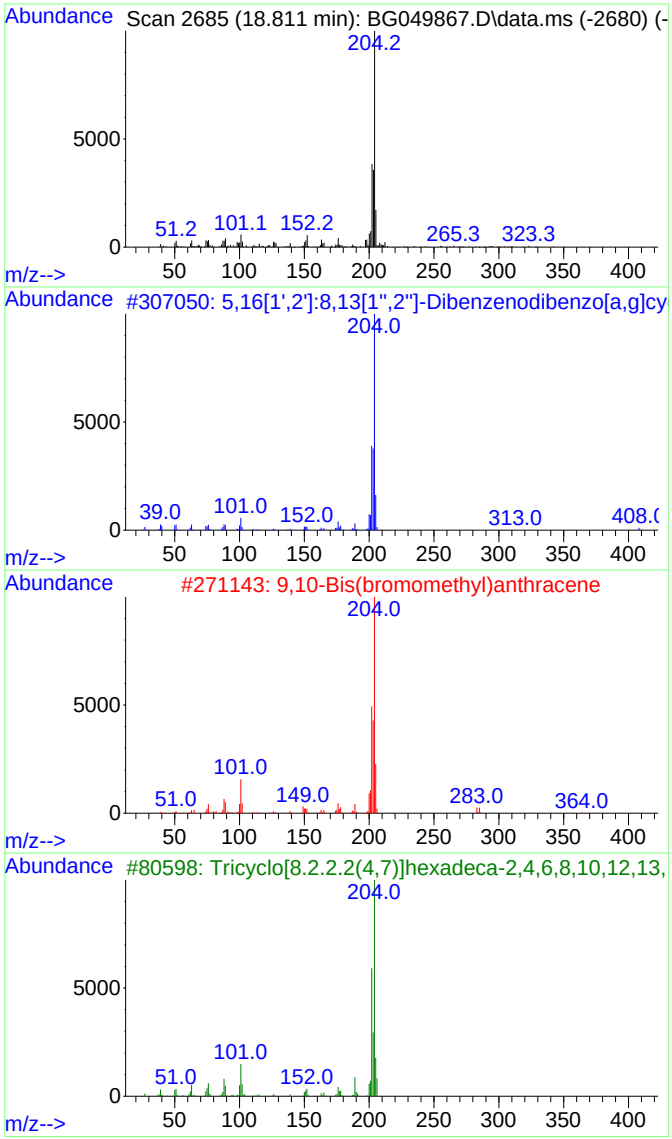
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

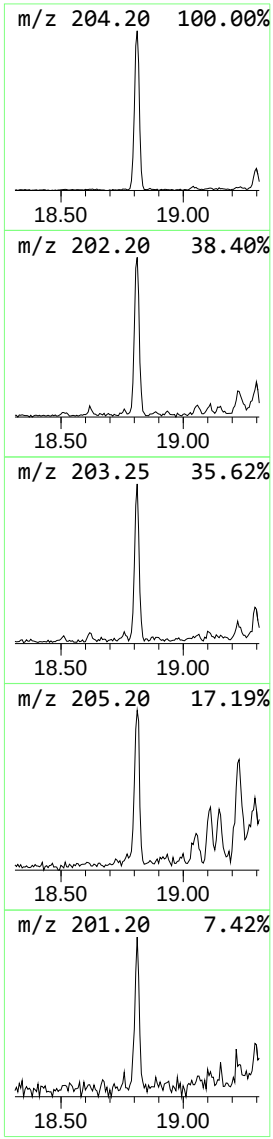
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.811	13.99 ng	304453	Phenanthrene-d10	17.442

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	83
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	58
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	49





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Sample : M3407-20 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 28N

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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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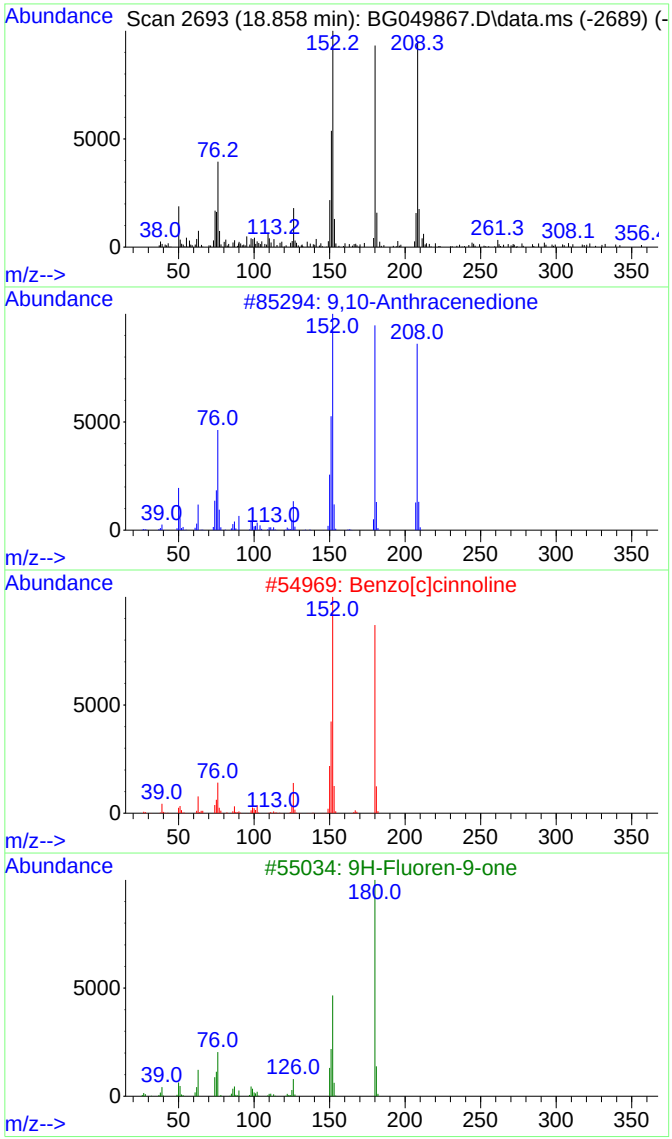
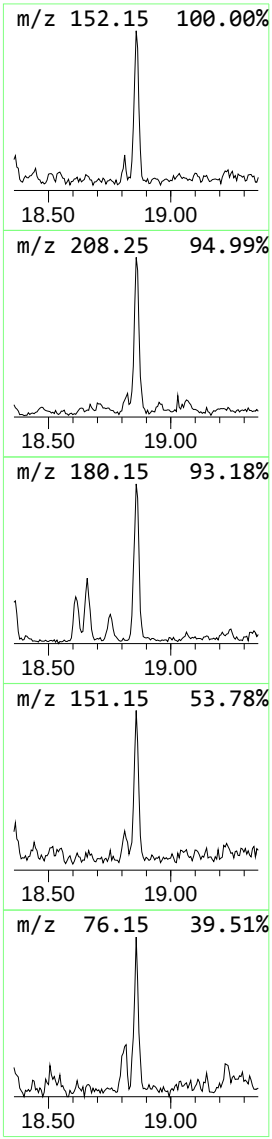
Peak Number 14 9,10-Anthracenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.858	7.49 ng	163002	Phenanthrene-d10	17.442

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	90
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	64
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	64
5	5,6-Dimethyl-1,10-phenanthroline	208	C14H12N2	003002-81-1	49





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Sample : M3407-20 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 28N

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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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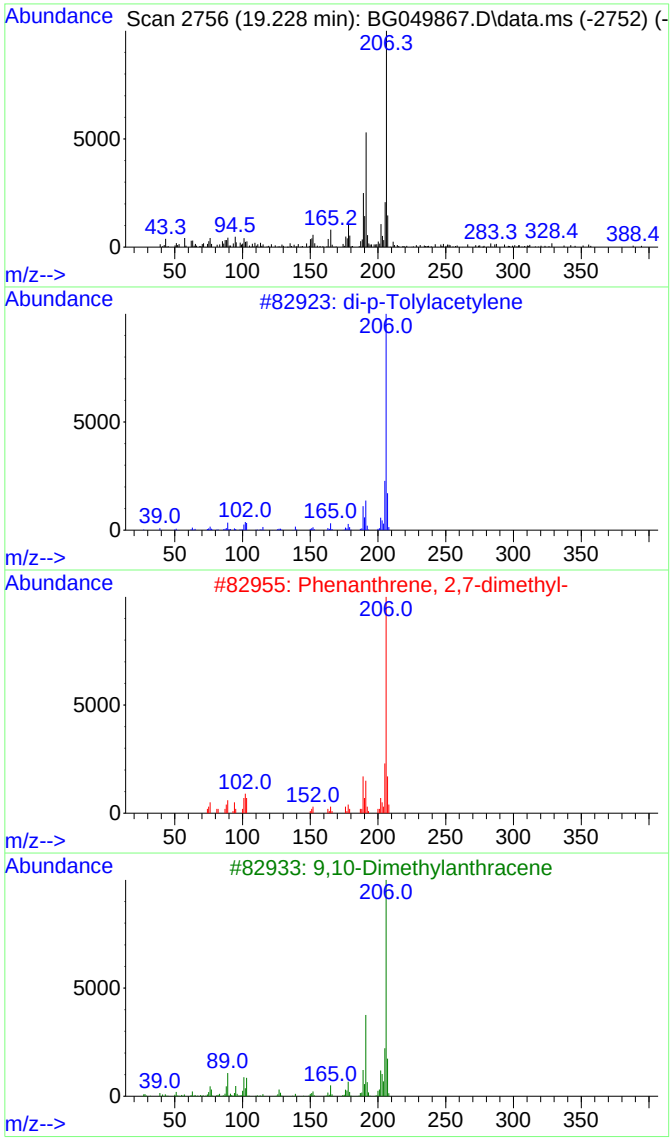
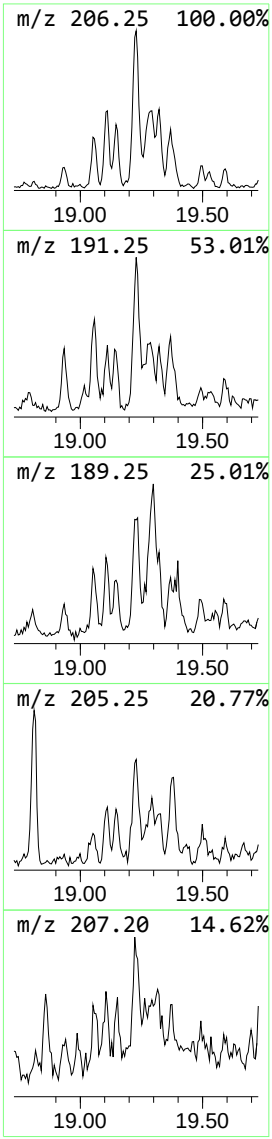
Peak Number 15 di-p-Tolylacetylene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.228	9.39 ng	204319	Phenanthrene-d10	17.442

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	83
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	81





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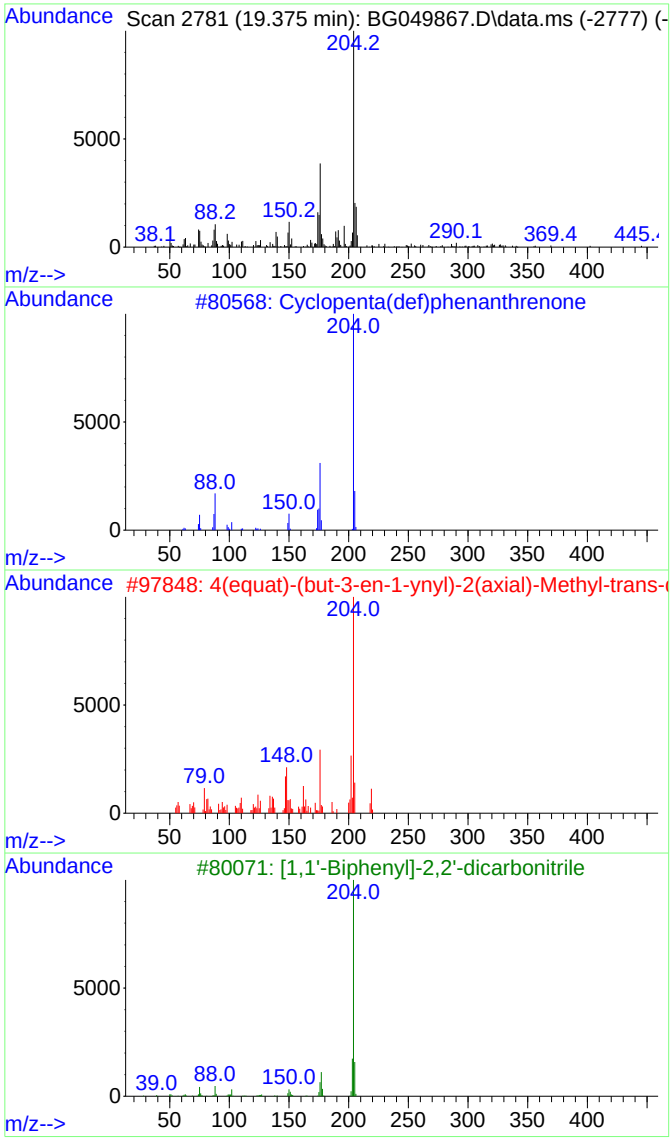
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

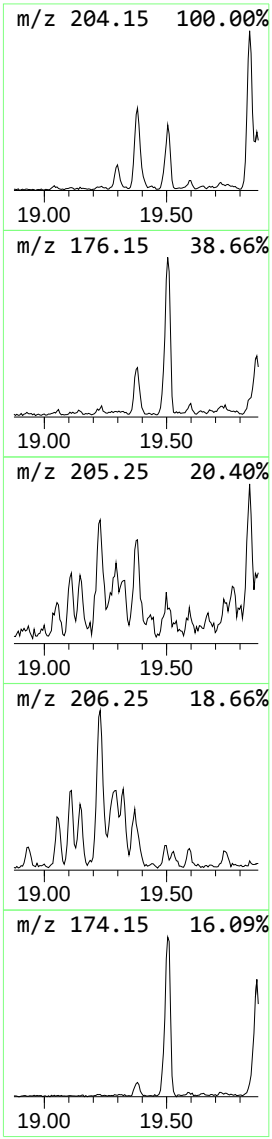
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.375	10.96 ng	238486	Phenanthrene-d10	17.442

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	87
2	4(equat)-(but-3-en-1-ynyl)-2(axi...	219	C14H21NO	038423-22-2	50
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	50
4	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	49
5	1,1,2-Tri(methylthio)pent-1-en-3...	204	C8H12S3	1000250-48-0	43





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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 28N

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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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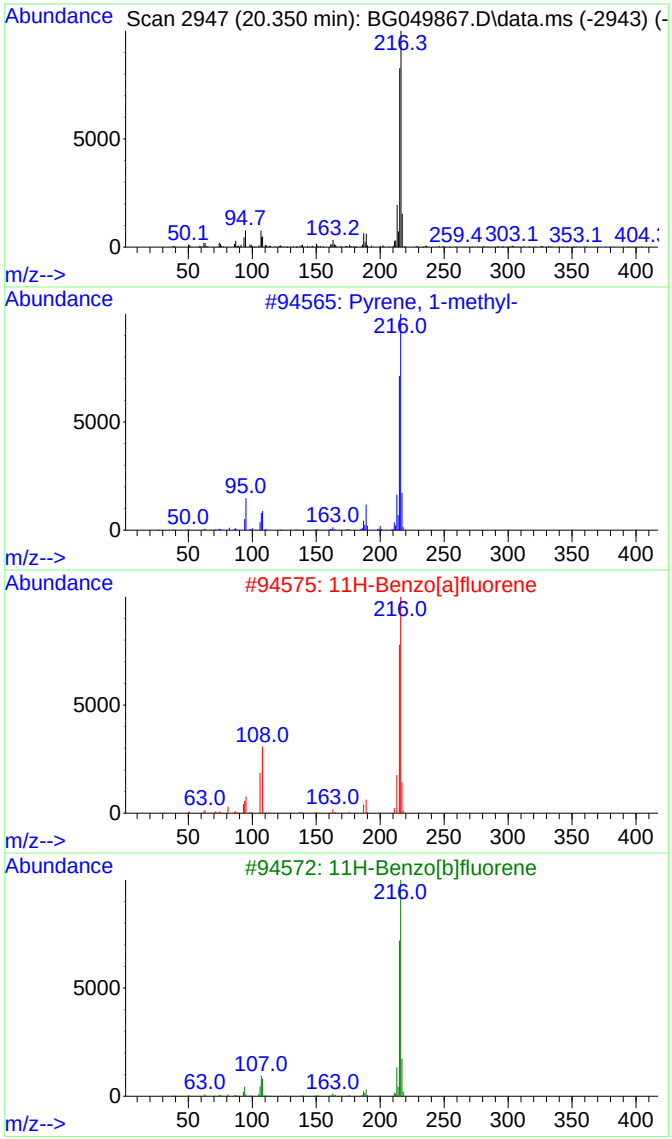
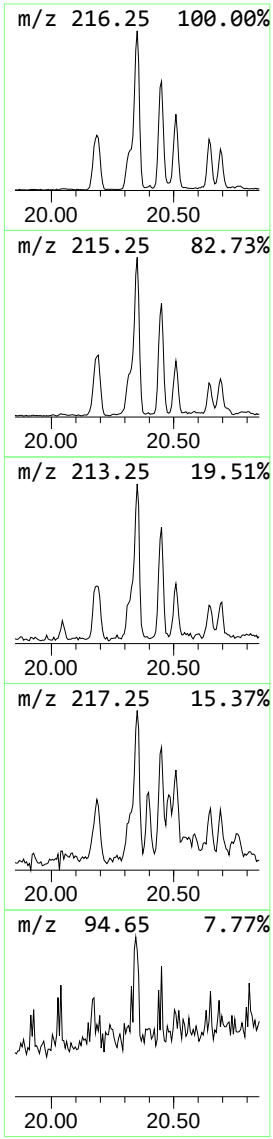
Peak Number 17 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.350	3.99 ng	556210	Chrysene-d12	21.737

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	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	91
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	83
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83





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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 28N

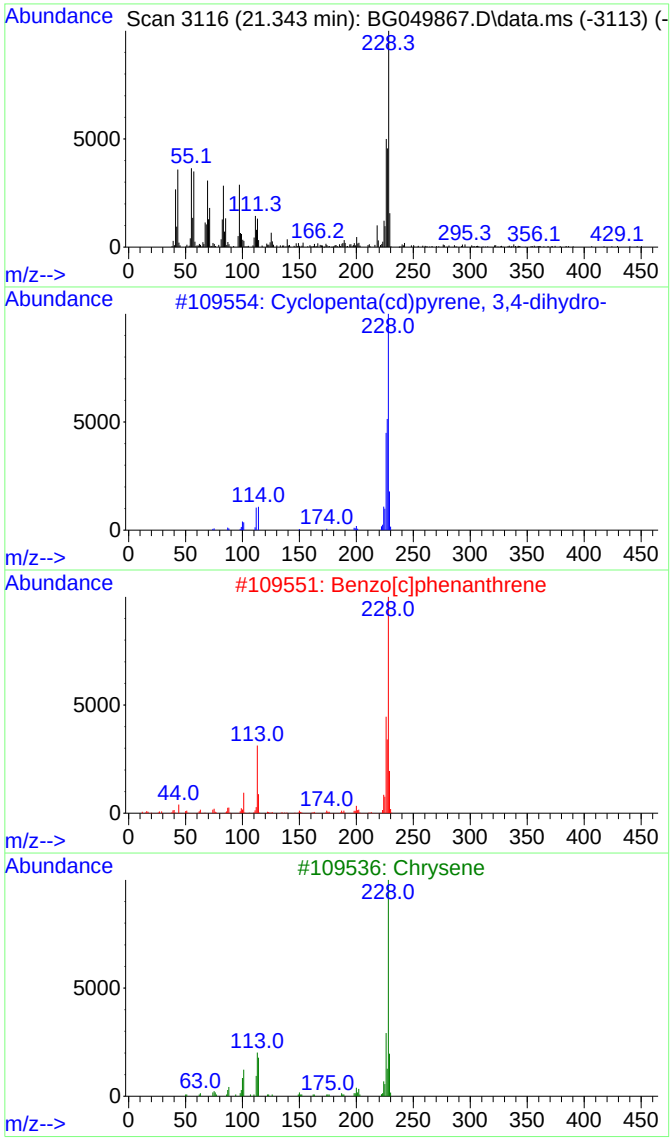
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

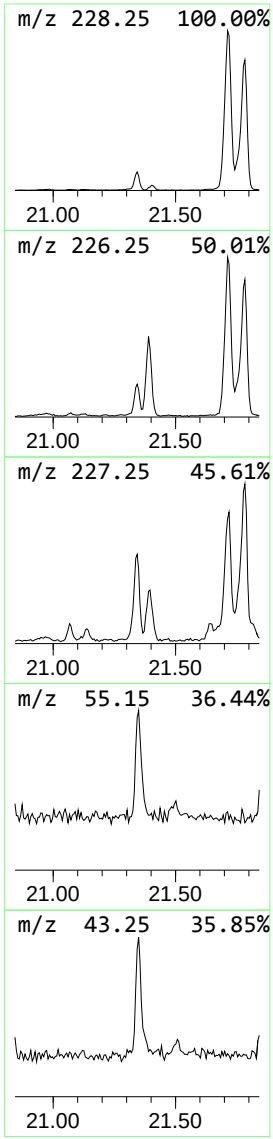
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.343	3.84 ng	536228	Chrysene-d12	21.737

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	55
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	49
3	Chrysene	228	C18H12	000218-01-9	45
4	Triphenylene	228	C18H12	000217-59-4	45
5	5-Phenylthieno[2,3-d]pyrimidin-4-ol	228	C12H8N2OS	035978-39-3	43





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Acq On : 17 Aug 2021 2:39
Operator : CG/JU
Sample : M3407-20 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 28N

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.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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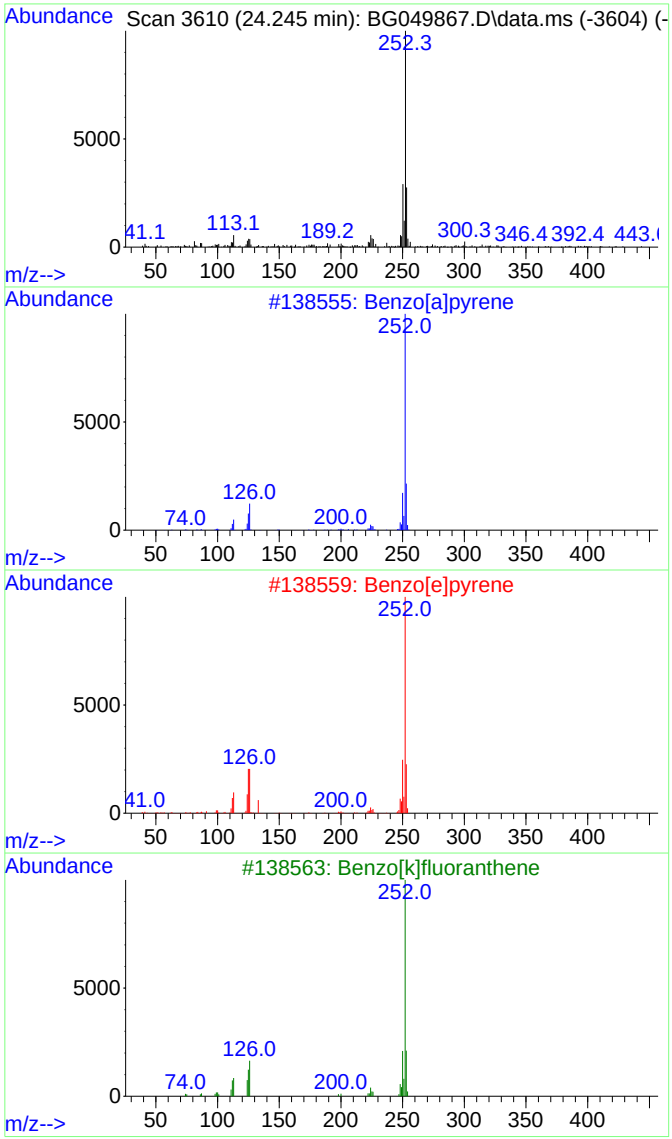
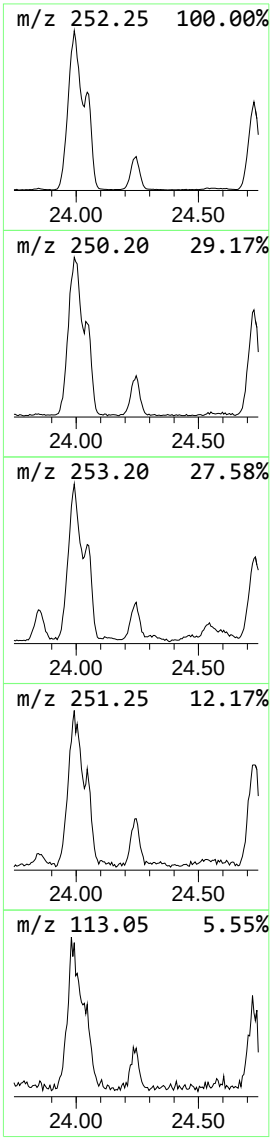
Peak Number 19 Benzo[e]pyrene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.245	4.21 ng	398861	Perylene-d12	25.026

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





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081621\
Data File : BG049867.D
Acq On : 17 Aug 2021 2:39
Operator : CG/JU
Sample : M3407-20 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 28N

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.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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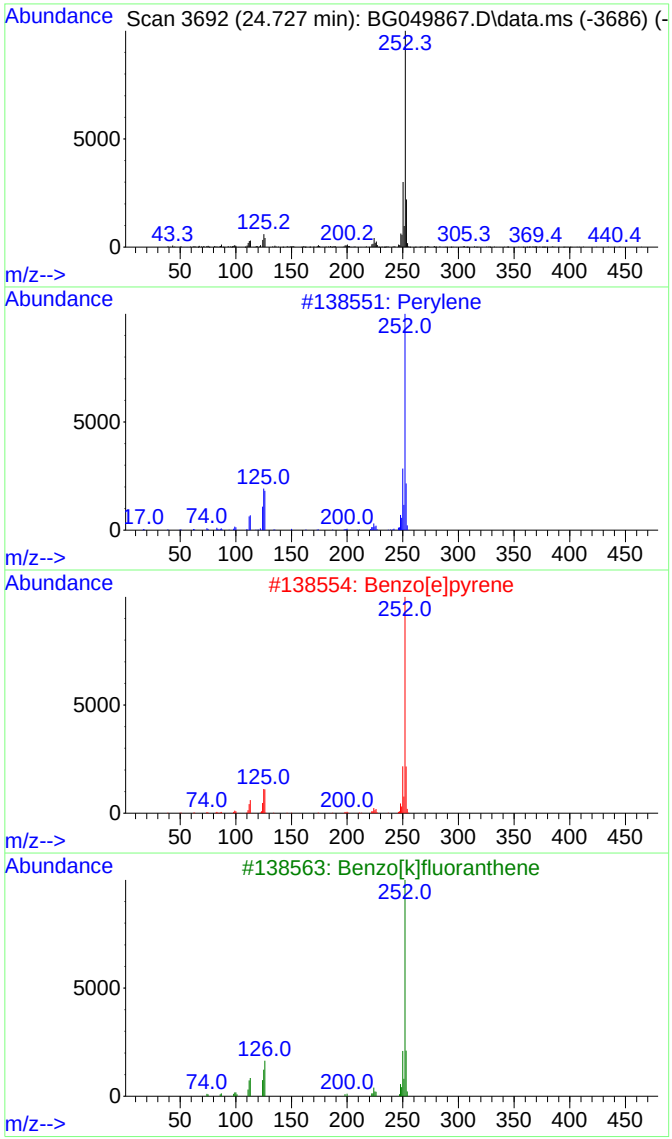
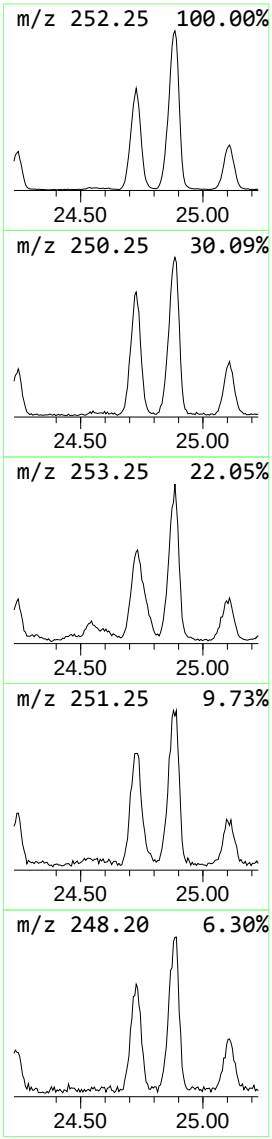
Peak Number 20 Perylene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.727	12.88 ng	1220620	Perylene-d12	25.026

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	94
2	Benzo[e]pyrene	252	C20H12	000192-97-2	91
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	81
5	Benzo[a]pyrene	252	C20H12	000050-32-8	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081621\
Data File : BG049867.D
Acq On : 17 Aug 2021 2:39
Operator : CG/JU
Sample : M3407-20 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : 28N

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.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
Butane, 2-metho...	3.138	5.2	ng	63622	1	8.032	245198	20.0
6H-Dibenzo[b,d]...	16.027	5.7	ng	131736	3	14.682	464424	20.0
9H-Fluorene, 2-...	16.738	9.0	ng	194977	4	17.442	435271	20.0
2,2-Dimethyl-1-...	16.967	5.1	ng	110279	4	17.442	435271	20.0
9H-Fluoren-9-one	17.090	6.6	ng	144263	4	17.442	435271	20.0
3'-Methyl-[1,1'...	17.166	5.0	ng	108374	4	17.442	435271	20.0
Dibenzothiophene	17.255	11.6	ng	252045	4	17.442	435271	20.0
Phenanthridine	17.630	4.4	ng	95534	4	17.442	435271	20.0
Phenanthrene, 1...	18.318	19.9	ng	432736	4	17.442	435271	20.0
Phenanthrene, 2...	18.365	23.0	ng	499874	4	17.442	435271	20.0
Anthracene, 1-m...	18.447	9.7	ng	212002	4	17.442	435271	20.0
4H-Cyclopenta[d...	18.517	33.9	ng	738517	4	17.442	435271	20.0
5,16[1',2']:8,1...	18.811	14.0	ng	304453	4	17.442	435271	20.0
9,10-Anthracene...	18.858	7.5	ng	163002	4	17.442	435271	20.0
di-p-Tolylacety...	19.228	9.4	ng	204319	4	17.442	435271	20.0
Cyclopenta(def)...	19.375	11.0	ng	238486	4	17.442	435271	20.0
Pyrene, 1-methyl-	20.350	4.0	ng	556210	5	21.737	2791460	20.0
Cyclopenta(cd)p...	21.343	3.8	ng	536228	5	21.737	2791460	20.0
Benzo[e]pyrene	24.245	4.2	ng	398861	6	25.026	1895340	20.0
Perylene	24.727	12.9	ng	1220620	6	25.026	1895340	20.0