LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111621\
Data File : BG051082.D
Acq On : 17 Nov 2021 1:22
Operator : CG/JU
Sample : M4625-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SU-02-111021

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

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

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

Signal : TIC: BG051082.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.764	380	387	395	rBV	256363	433847	8.92%	1.043%
2	7.374	652	661	677	rBV	264403	485483	9.98%	1.168%
3	8.226	800	806	815	rBV	189939	332542	6.83%	0.800%
4	9.401	997	1006	1018	rBV	166487	320667	6.59%	0.771%
5	10.800	1237	1244	1262	rBV	31476	69845	1.44%	0.168%
6	11.058	1280	1288	1294	rBV	257923	484087	9.95%	1.164%
7	13.473	1693	1699	1708	rVB	434710	702246	14.43%	1.689%
8	14.178	1814	1819	1823	rBV3	28157	51586	1.06%	0.124%
9	14.301	1832	1840	1843	rBV4	28634	55744	1.15%	0.134%
10	14.584	1882	1888	1895	rBV	41839	87563	1.80%	0.211%
11	14.854	1928	1934	1940	rVB	381152	626336	12.87%	1.506%
12	14.918	1940	1945	1951	rVB	83676	124416	2.56%	0.299%
13	15.054	1962	1968	1977	rBV5	19078	52173	1.07%	0.125%
14	15.253	1997	2002	2008	rVB2	61860	119909	2.46%	0.288%
15	15.324	2008	2014	2021	rBV2	45806	93807	1.93%	0.226%
16	15.459	2032	2037	2042	rBV4	29482	66163	1.36%	0.159%
17	15.659	2060	2071	2075	rBV6	41586	114764	2.36%	0.276%
18	15.900	2106	2112	2125	rVB2	146525	259570	5.33%	0.624%
19	16.058	2130	2139	2144	rVV3	75960	157756	3.24%	0.379%
20	16.188	2159	2161	2168	rVB3	37993	60508	1.24%	0.146%
21	16.340	2182	2187	2194	rBV	304007	507972	10.44%	1.222%
22	16.540	2213	2221	2235	rVB3	93590	240919	4.95%	0.579%
23	16.898	2279	2282	2288	rVV4	58277	117101	2.41%	0.282%
24	16.957	2288	2292	2300	rVB6	32427	60455	1.24%	0.145%
25	17.163	2325	2327	2336	rVB4	34515	60981	1.25%	0.147%
26	17.316	2349	2353	2357	rVV3	55470	99783	2.05%	0.240%
27	17.363	2357	2361	2365	rVV2	89095	137612	2.83%	0.331%
28	17.421	2366	2371	2378	rVB	103062	175429	3.61%	0.422%
29	17.609	2396	2403	2406	rBV	419535	739762	15.20%	1.779%
30	17.650	2406	2410	2416	rVV	1454154	2228229	45.79%	5.359%
31	17.739	2420	2425	2430	rVV	466788	715080	14.70%	1.720%
32	17.797	2431	2435	2439	rVB2	53590	89485	1.84%	0.215%
33	18.009	2467	2471	2475	rBV2	44552	73219	1.50%	0.176%
34	18.115	2485	2489	2494	rBV	49618	77714	1.60%	0.187%
35	18.185	2499	2501	2506	rVB	44093	57601	1.18%	0.139%
36	18.332	2521	2526	2535	rVB3	44740	96526	1.98%	0.232%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111621\
Data File : BG051082.D
Acq On : 17 Nov 2021 1:22
Operator : CG/JU
Sample : M4625-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SU-02-111021

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

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

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

37	18.479	2546	2551	2555	rBV	203219	300203	6.17%	0.722%
38	18.526	2555	2559	2566	rVB	310103	459974	9.45%	1.106%
39	18.608	2568	2573	2577	rVB	127431	195765	4.02%	0.471%
40	18.679	2578	2585	2588	rBV3	434969	810825	16.66%	1.950%
41	18.967	2629	2634	2639	rBV	172055	262497	5.39%	0.631%
42	19.019	2639	2643	2650	rVB2	81883	138214	2.84%	0.332%
43	19.207	2672	2675	2679	rVB3	61954	85570	1.76%	0.206%
44	19.260	2680	2684	2687	rBV	73669	92053	1.89%	0.221%
45	19.301	2688	2691	2697	rVB2	54119	74608	1.53%	0.179%
46	19.384	2698	2705	2709	rBV2	177918	391298	8.04%	0.941%
47	19.531	2725	2730	2743	rVB4	81055	220526	4.53%	0.530%
48	19.660	2744	2752	2756	rBV	3118135	4865856	100.00%	11.702%
49	19.701	2756	2759	2762	rVV	58832	80313	1.65%	0.193%
50	19.742	2763	2766	2770	rVB3	66191	93637	1.92%	0.225%
51	19.895	2788	2792	2797	rBV	86089	139043	2.86%	0.334%
52	19.983	2801	2807	2809	rBV2	580460	1040825	21.39%	2.503%
53	20.018	2809	2813	2819	rVV	2497375	3689860	75.83%	8.874%
54	20.071	2819	2822	2828	rVB	144171	198720	4.08%	0.478%
55	20.189	2837	2842	2847	rVB2	716655	1010112	20.76%	2.429%
56	20.330	2860	2866	2872	rBV2	208752	494769	10.17%	1.190%
57	20.465	2884	2889	2890	rBV2	167154	233336	4.80%	0.561%
58	20.500	2891	2895	2900	rVB	567785	802405	16.49%	1.930%
59	20.594	2907	2911	2915	rBV	430234	628308	12.91%	1.511%
60	20.659	2919	2922	2925	rVV	253129	342218	7.03%	0.823%
61	20.688	2925	2927	2931	rVB	96929	112250	2.31%	0.270%
62	20.800	2942	2946	2949	rBV	136514	186811	3.84%	0.449%
63	20.847	2950	2954	2964	rVB2	164009	299783	6.16%	0.721%
64	21.282	3024	3028	3035	rVB	190486	303012	6.23%	0.729%
65	21.475	3056	3061	3064	rBV	243986	442216	9.09%	1.063%
66	21.511	3065	3067	3072	rVB	254884	356996	7.34%	0.859%
67	21.569	3072	3077	3082	rBV2	246746	437717	9.00%	1.053%
68	21.898	3126	3133	3140	rBV3	1568102	3647280	74.96%	8.771%
69	21.969	3140	3145	3157	rVB	1342190	2547193	52.35%	6.126%
70	22.122	3167	3171	3178	rVB	252305	425086	8.74%	1.022%
71	22.339	3204	3208	3215	rVB3	147132	284110	5.84%	0.683%
72	22.674	3263	3265	3272	rVB	182731	297837	6.12%	0.716%
73	24.260	3525	3535	3542	rBV	735997	2776238	57.06%	6.676%
74	25.024	3659	3665	3680	rVB2	331319	1068093	21.95%	2.569%
75	25.189	3684	3693	3705	rVB	494848	1570060	32.27%	3.776%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111621\
Data File : BG051082.D
Acq On : 17 Nov 2021 1:22
Operator : CG/JU
Sample : M4625-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SU-02-111021

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

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

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

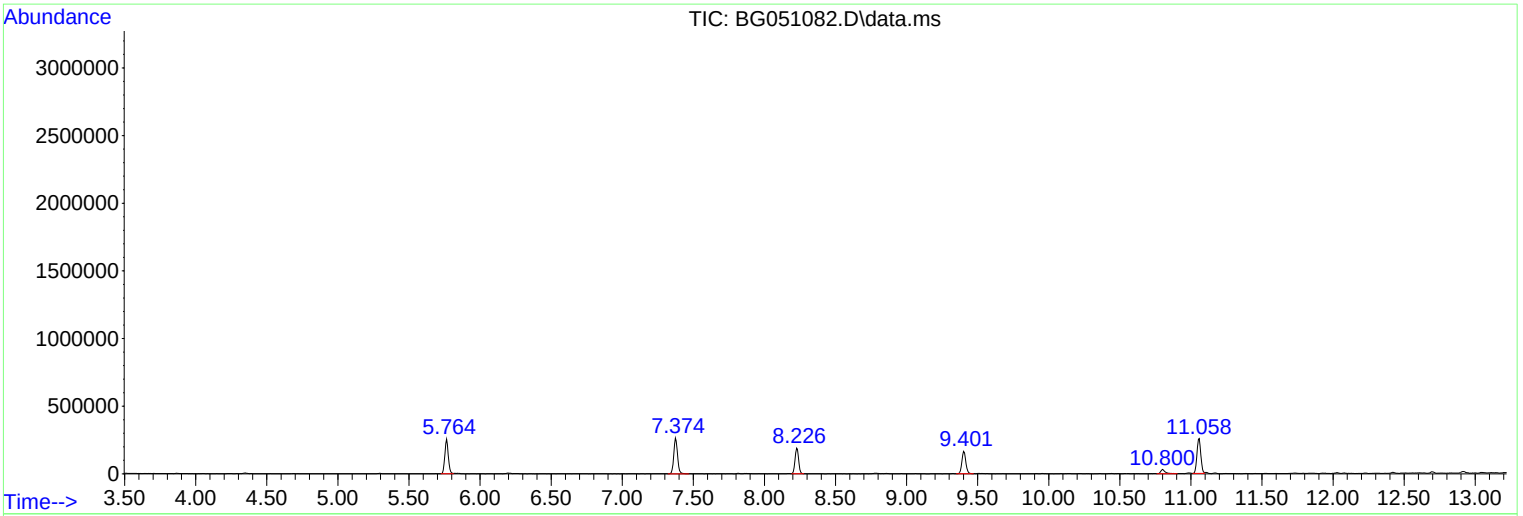
Sum of corrected areas: 41582497

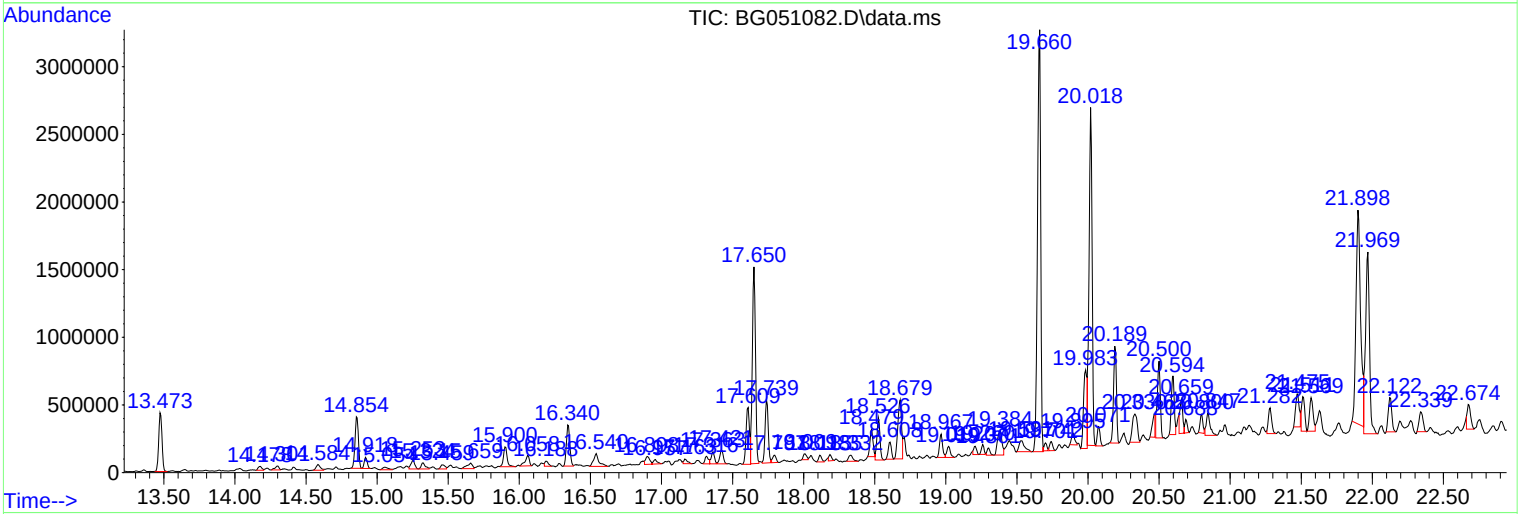
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111621\
Data File : BG051082.D
Acq On : 17 Nov 2021 1:22
Operator : CG/JU
Sample : M4625-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

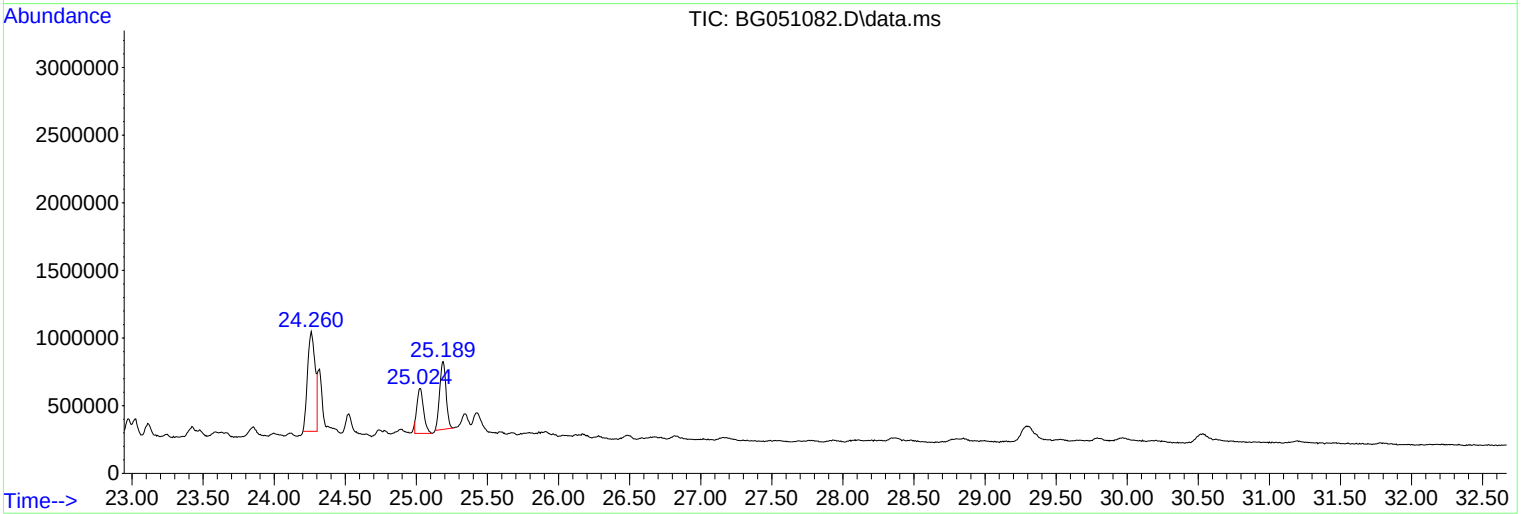
Instrument :
BNA_G
ClientSampleId :
SU-02-111021

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

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







Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111621\
Data File : BG051082.D
Acq On : 17 Nov 2021 1:22
Operator : CG/JU
Sample : M4625-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SU-02-111021

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

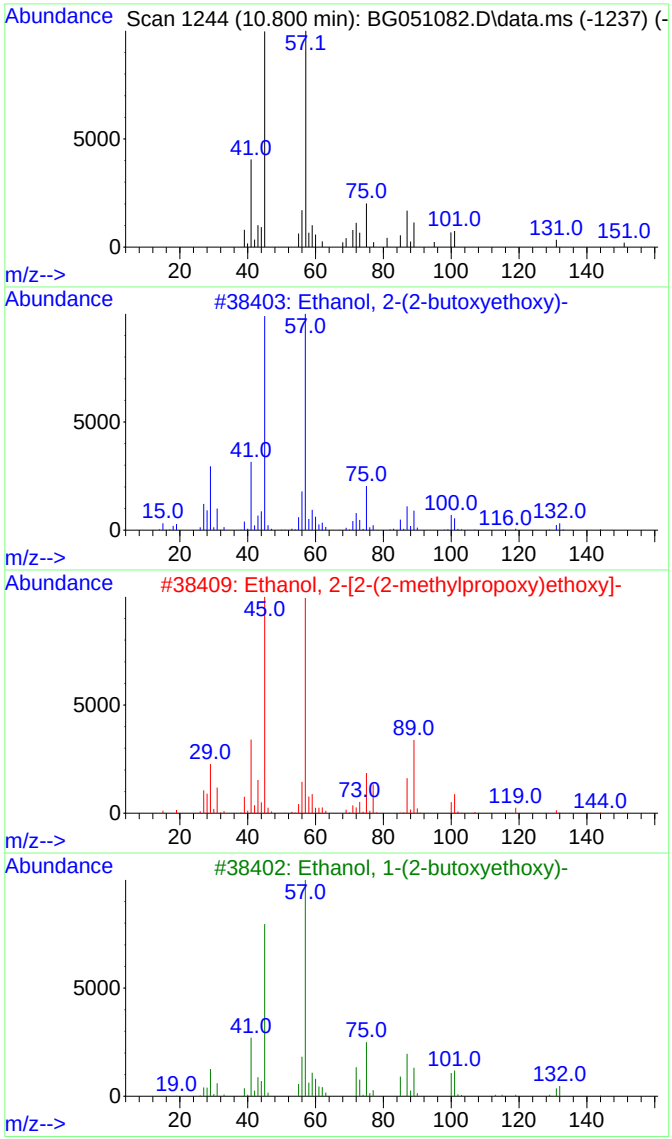
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

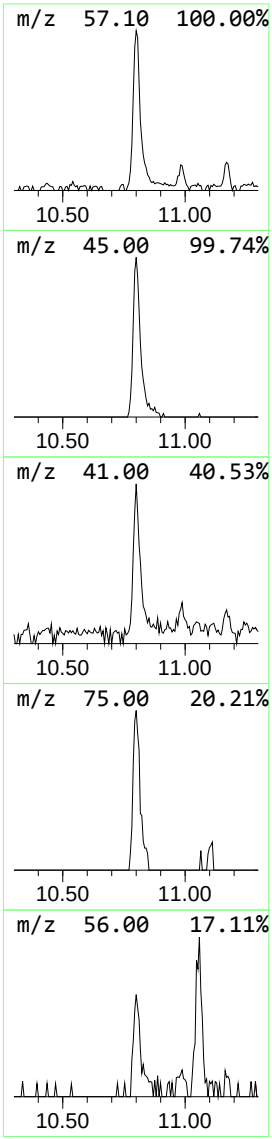
****

Peak Number 1 Ethanol, 2-(2-butoxyethoxy)- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.800	2.89 ng	69845	Naphthalene-d8	11.058

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(2-butoxyethoxy)-	162	C8H18O3	000112-34-5	90
2	Ethanol, 2-[2-(2-methylpropoxy)e...	162	C8H18O3	018912-80-6	72
3	Ethanol, 1-(2-butoxyethoxy)-	162	C8H18O3	054446-78-5	58
4	3,3-Dimethylbutane-2-ol	102	C6H14O	000464-07-3	47
5	Ethanol, 2-[2-(2-butoxyethoxy)et...	206	C10H22O4	000143-22-6	45





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111621\
Data File : BG051082.D
Acq On : 17 Nov 2021 1:22
Operator : CG/JU
Sample : M4625-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SU-02-111021

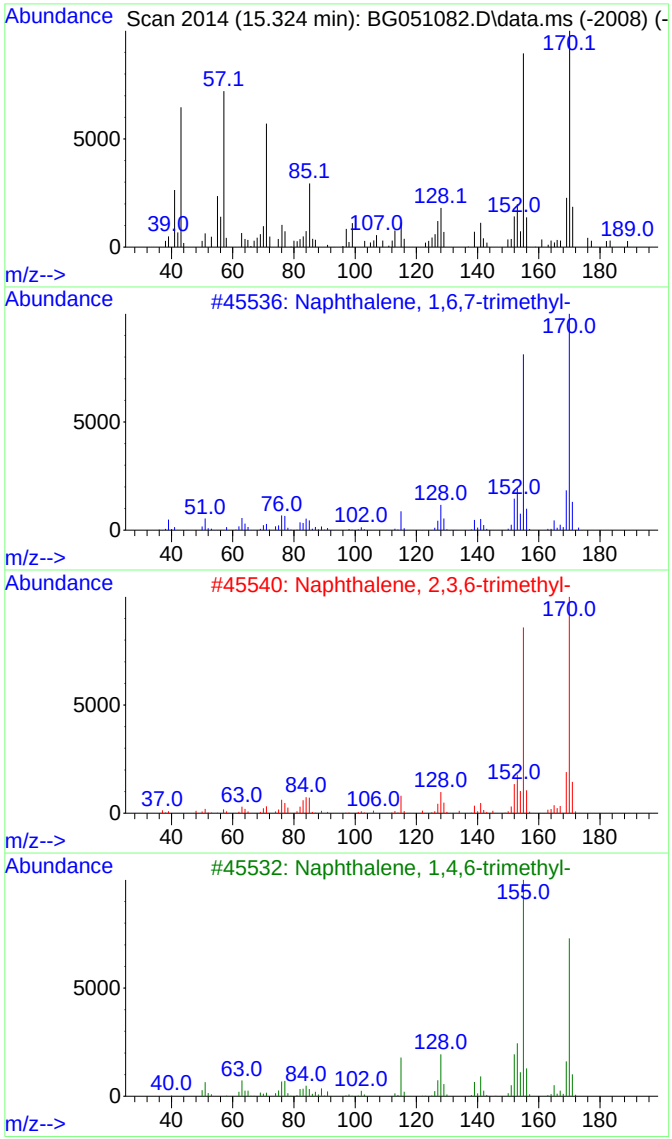
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

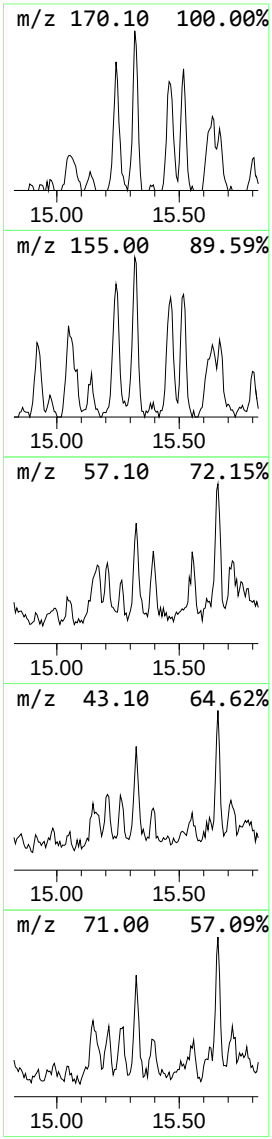
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Naphthalene, 1,6,7-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.324	3.00 ng	93807	Acenaphthene-d10	14.854

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	93
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	81
4	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	72
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	70





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111621\
Data File : BG051082.D
Acq On : 17 Nov 2021 1:22
Operator : CG/JU
Sample : M4625-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SU-02-111021

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

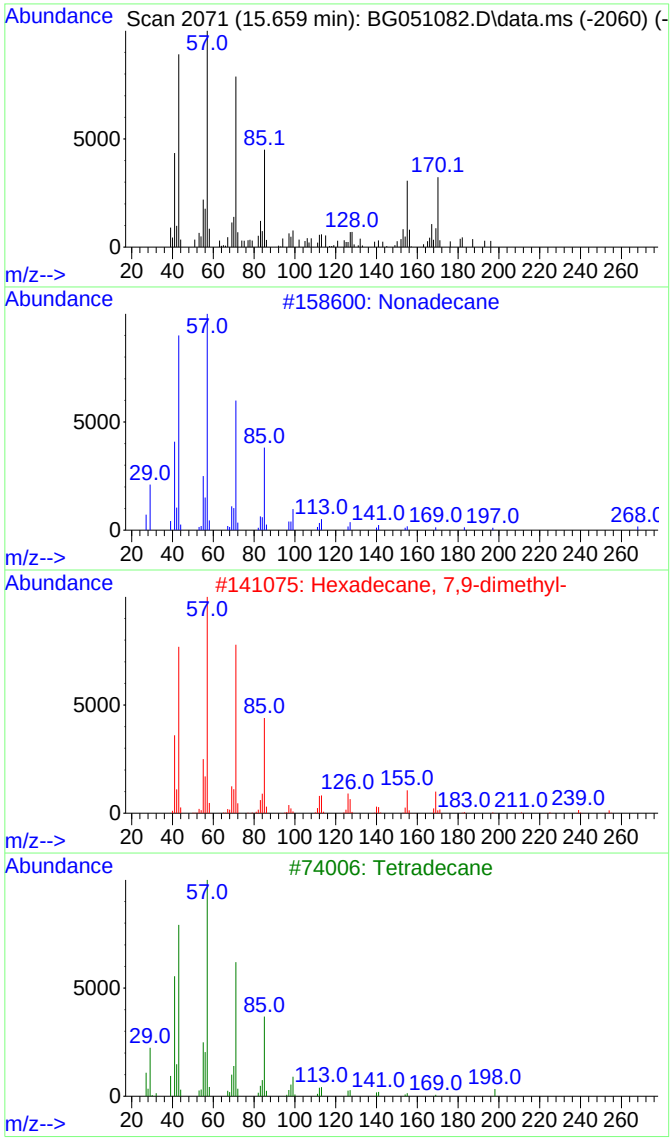
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

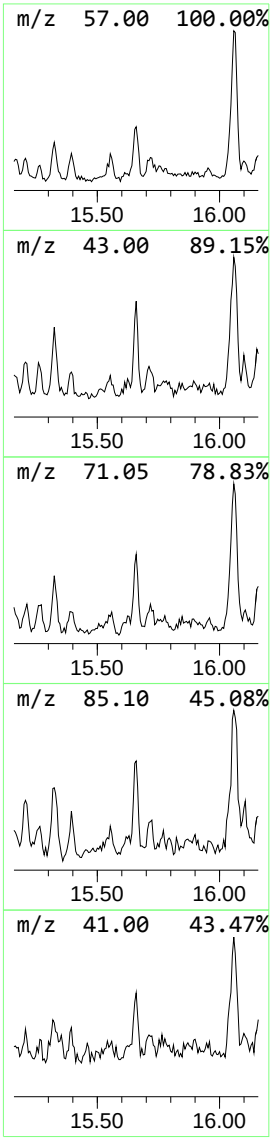
****

Peak Number 3 Nonadecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.659	3.66 ng	114764	Acenaphthene-d10	14.854

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	58
2	Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	58
3	Tetradecane	198	C14H30	000629-59-4	52
4	Hexadecane	226	C16H34	000544-76-3	52
5	Eicosane	282	C20H42	000112-95-8	52





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111621\
Data File : BG051082.D
Acq On : 17 Nov 2021 1:22
Operator : CG/JU
Sample : M4625-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SU-02-111021

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

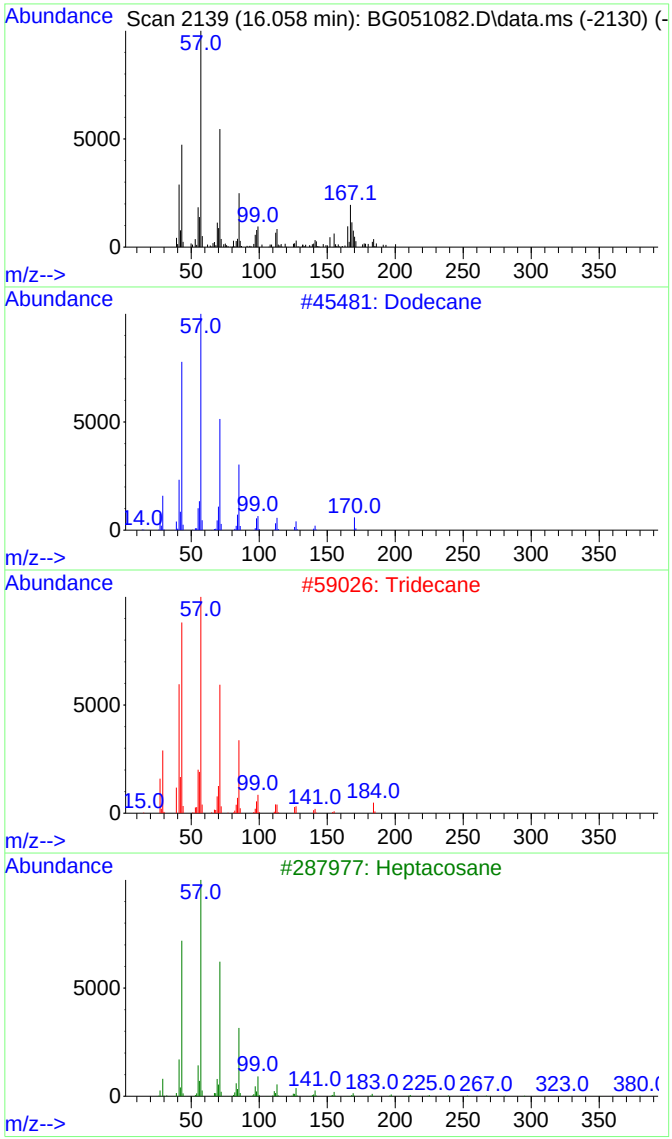
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

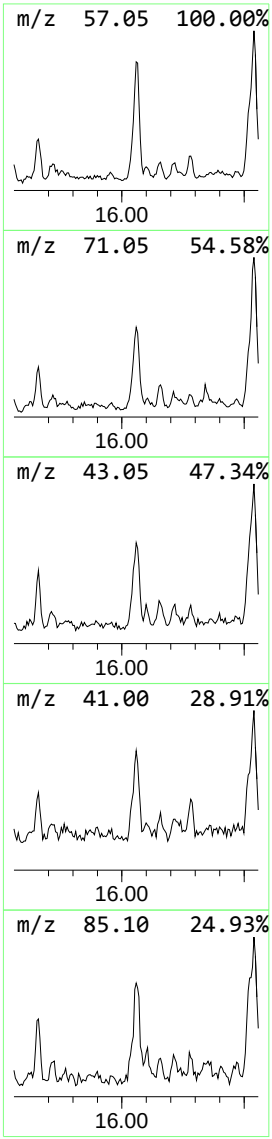
****

Peak Number 4 Dodecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.058	5.04 ng	157756	Acenaphthene-d10	14.854

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	58
2	Tridecane	184	C13H28	000629-50-5	52
3	Heptacosane	380	C27H56	000593-49-7	49
4	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	46
5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111621\
Data File : BG051082.D
Acq On : 17 Nov 2021 1:22
Operator : CG/JU
Sample : M4625-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SU-02-111021

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

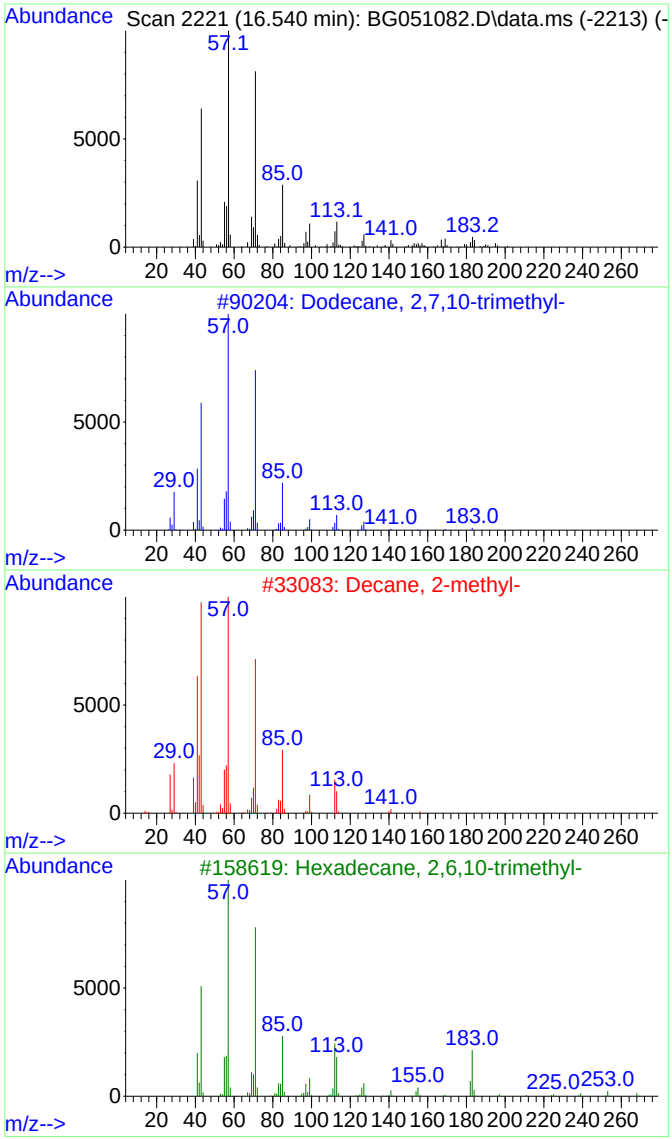
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

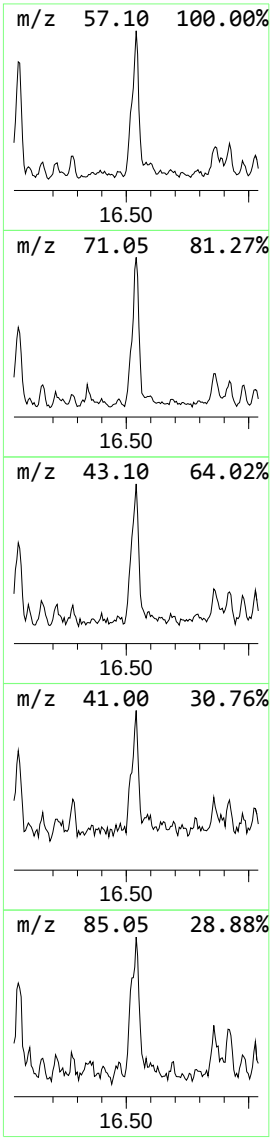
****

Peak Number 5 Dodecane, 2,7,10-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.540	6.51 ng	240919	Phenanthrene-d10	17.609

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	87
2	Decane, 2-methyl-	156	C11H24	006975-98-0	87
3	Hexadecane, 2,6,10-trimethyl-	268	C19H40	055000-52-7	86
4	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	86
5	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111621\
Data File : BG051082.D
Acq On : 17 Nov 2021 1:22
Operator : CG/JU
Sample : M4625-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SU-02-111021

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

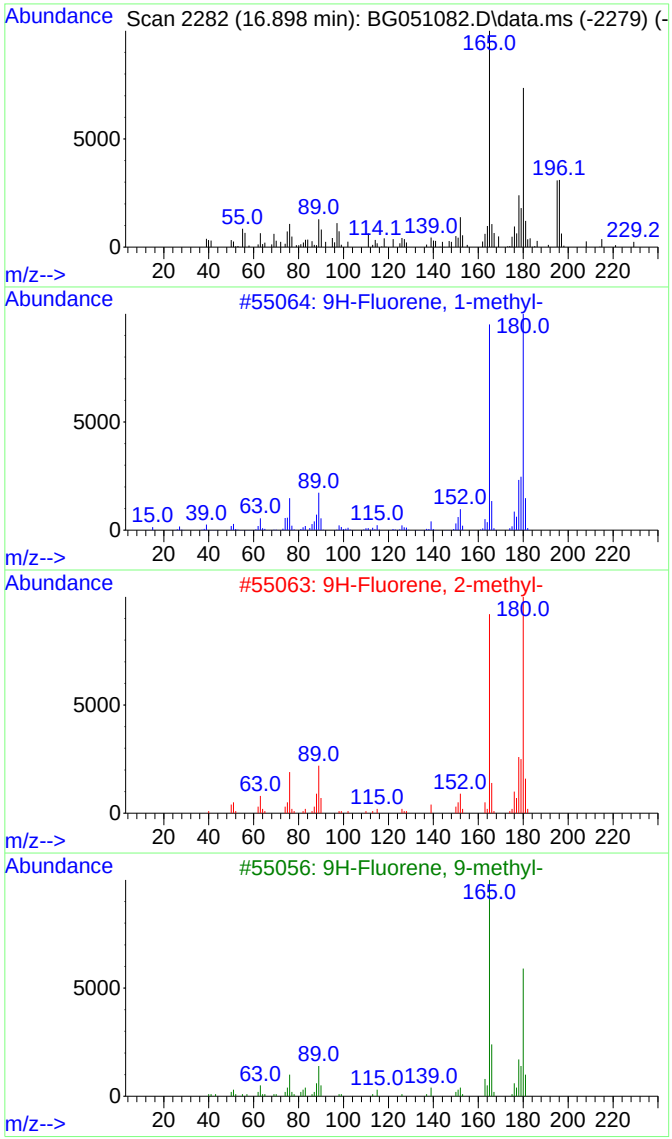
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

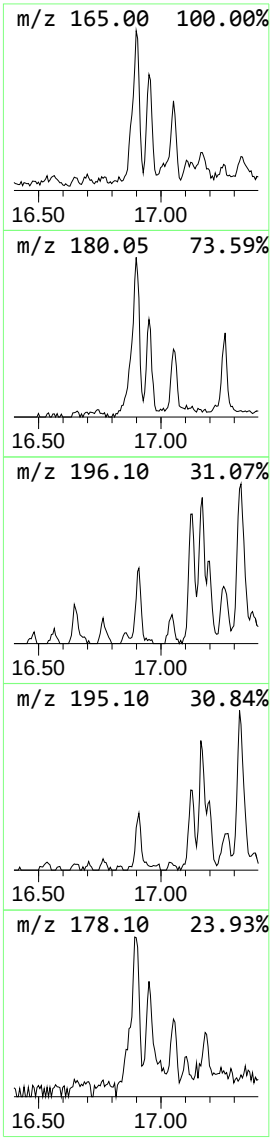
****

Peak Number 6 9H-Fluorene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.898	3.17 ng	117101	Phenanthrene-d10	17.609

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	92
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	87
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	86
4	3H-Benz[e]indene, 2-methyl-	180	C14H12	150096-60-9	70
5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	64





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Acq On : 17 Nov 2021 1:22
Operator : CG/JU
Sample : M4625-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SU-02-111021

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

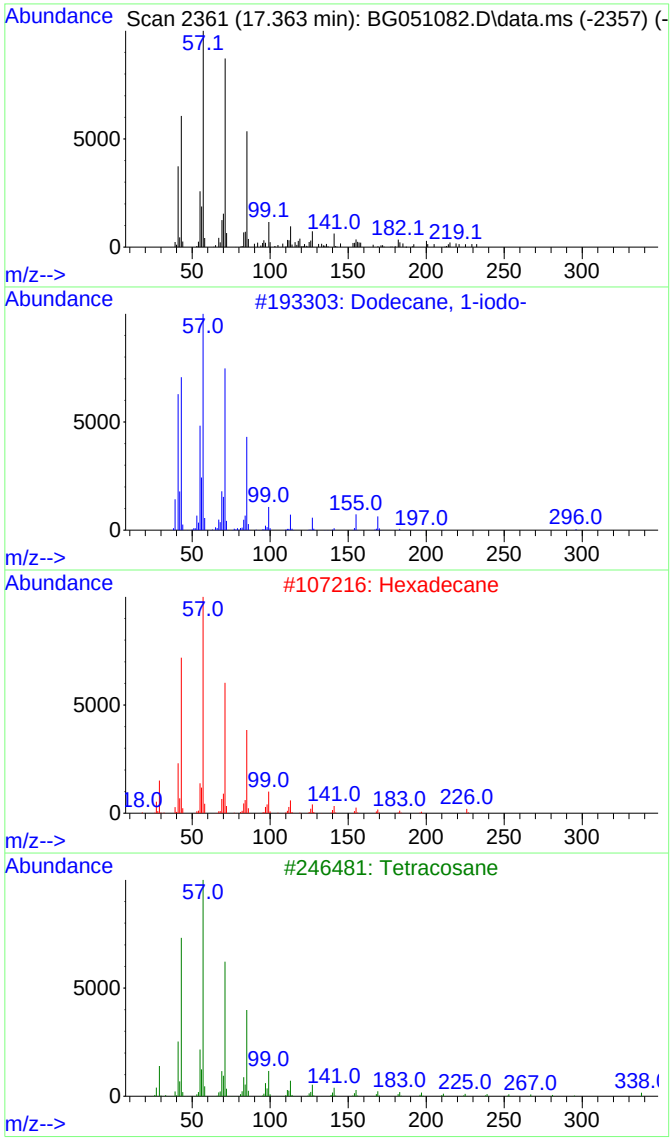
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

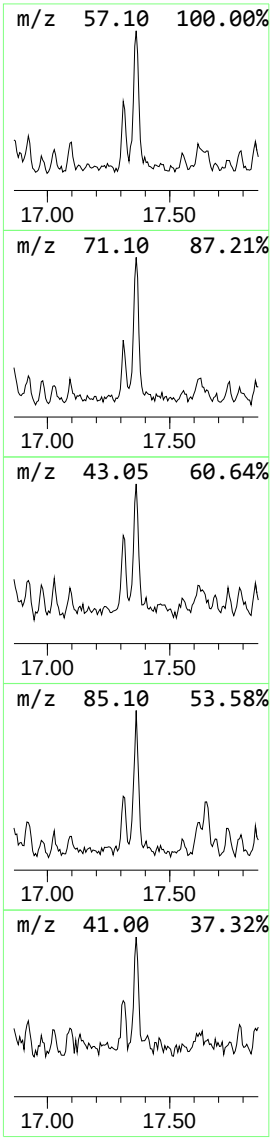
****

Peak Number 7 Dodecane, 1-iodo- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.363	3.72 ng	137612	Phenanthrene-d10	17.609

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	86
2	Hexadecane	226	C16H34	000544-76-3	86
3	Tetracosane	338	C24H50	000646-31-1	86
4	Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	86
5	Hexadecane, 1-iodo-	352	C16H33I	000544-77-4	86





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Sample : M4625-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SU-02-111021

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

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

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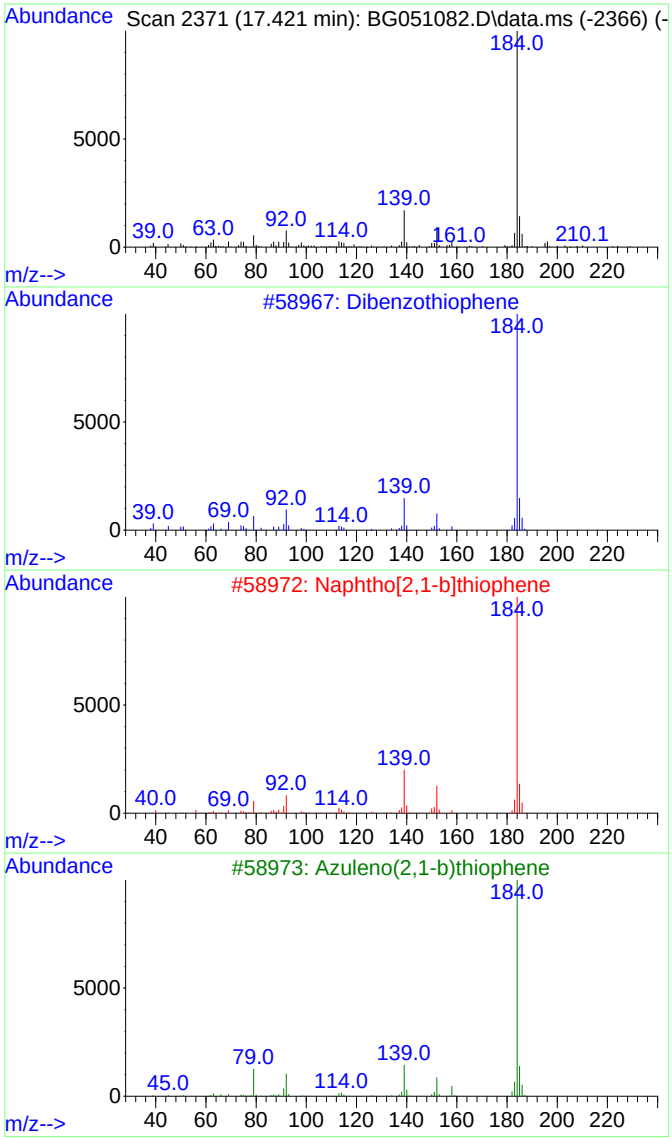
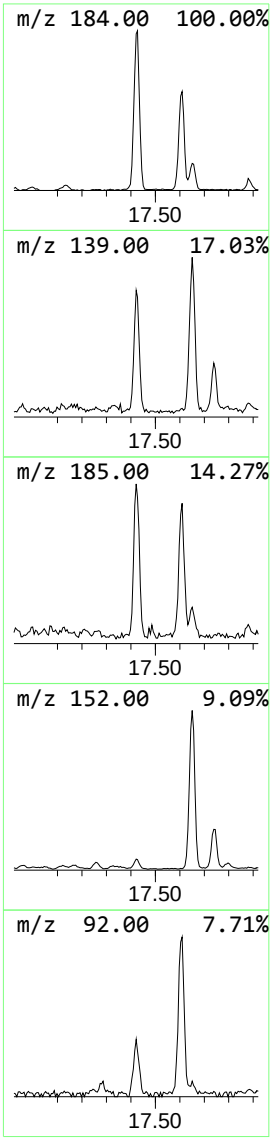
Peak Number 8 Dibenzothiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.421	4.74 ng	175429	Phenanthrene-d10	17.609

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	91
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90
5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	90





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Misc :
ALS Vial : 16 Sample Multiplier: 1

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

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

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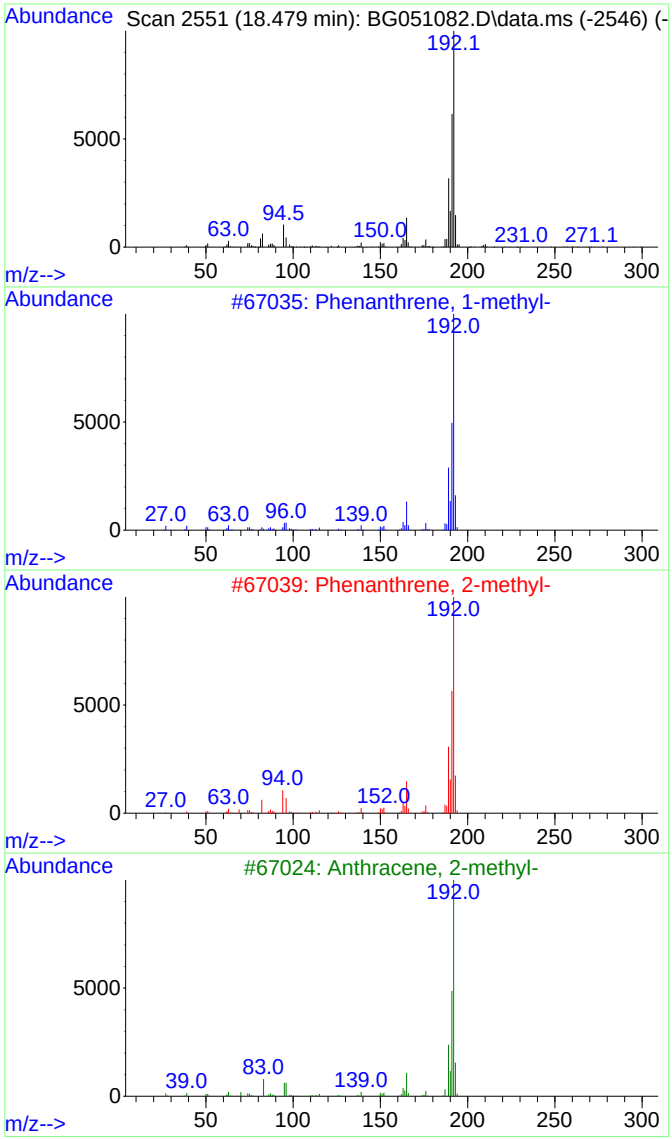
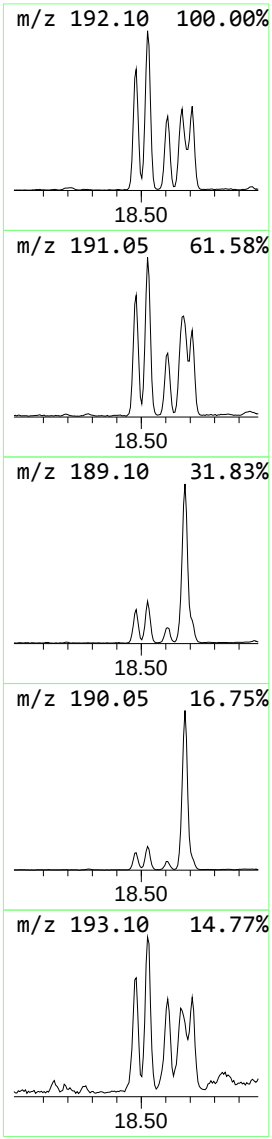
Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.479	8.12 ng	300203	Phenanthrene-d10	17.609

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	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





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Operator : CG/JU
Sample : M4625-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

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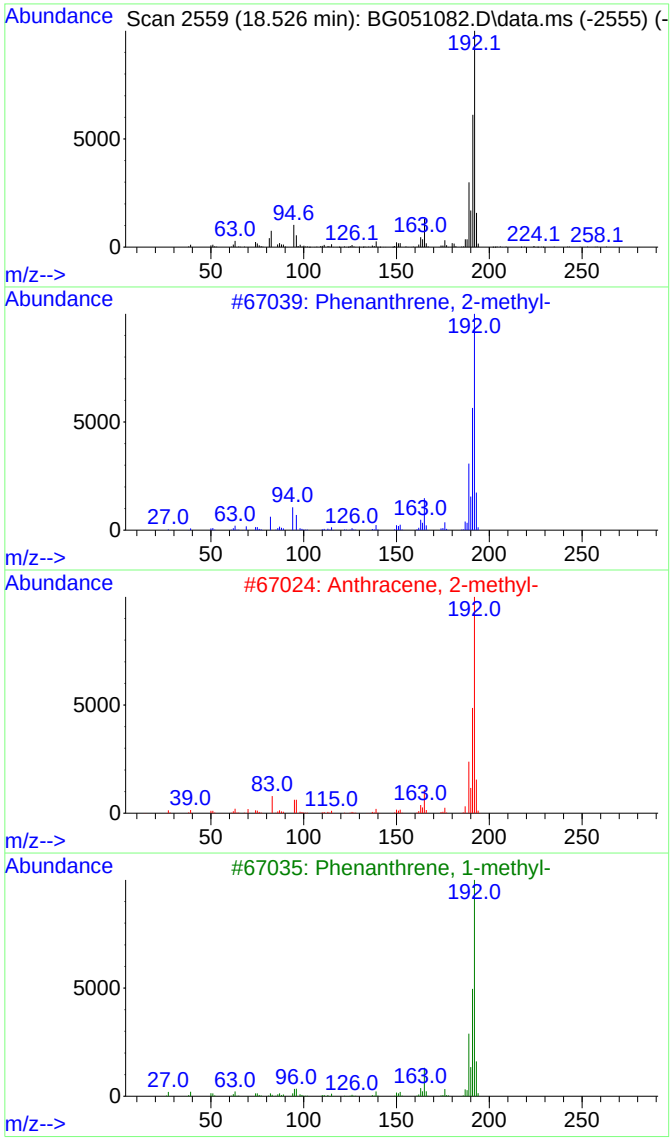
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

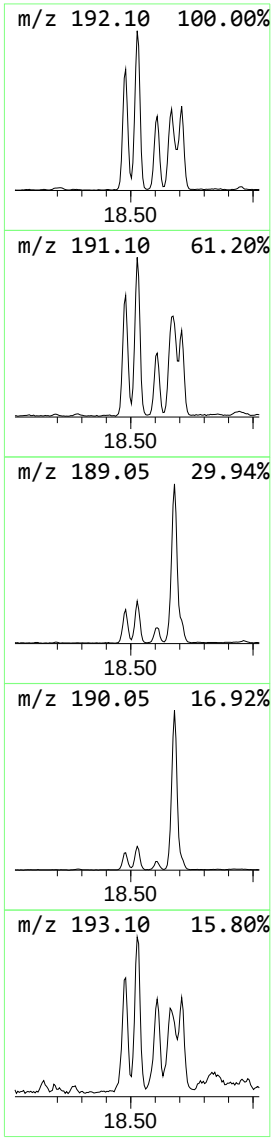
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.526	12.44 ng	459974	Phenanthrene-d10	17.609

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





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Misc :
ALS Vial : 16 Sample Multiplier: 1

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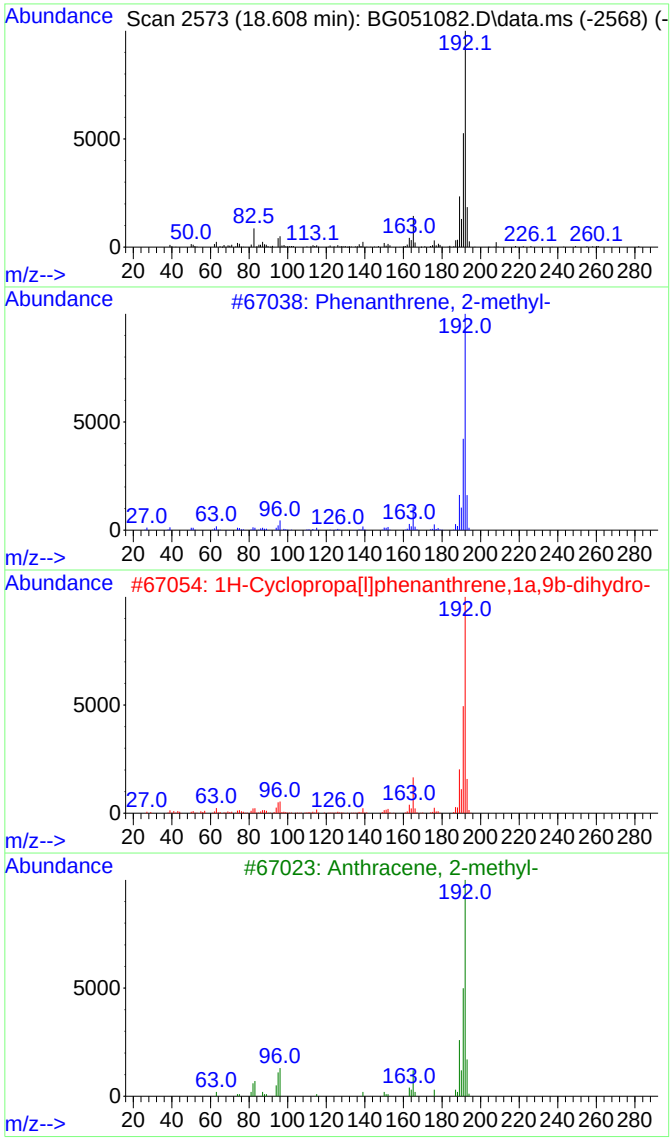
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

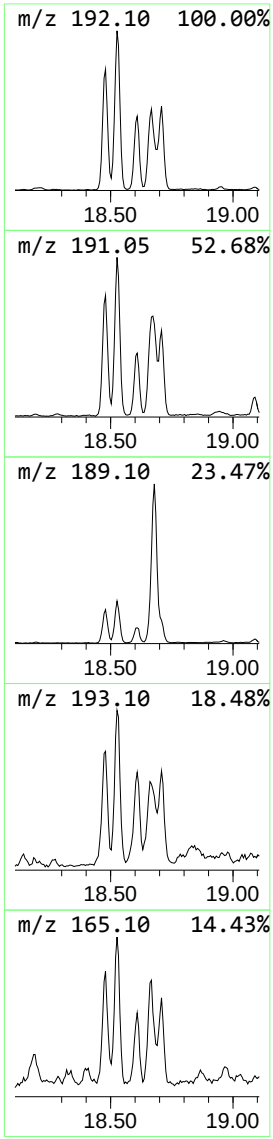
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 1H-Cyclopropa[l]phenanthren... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.608	5.29 ng	195765	Phenanthrene-d10	17.609

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93





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Sample : M4625-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

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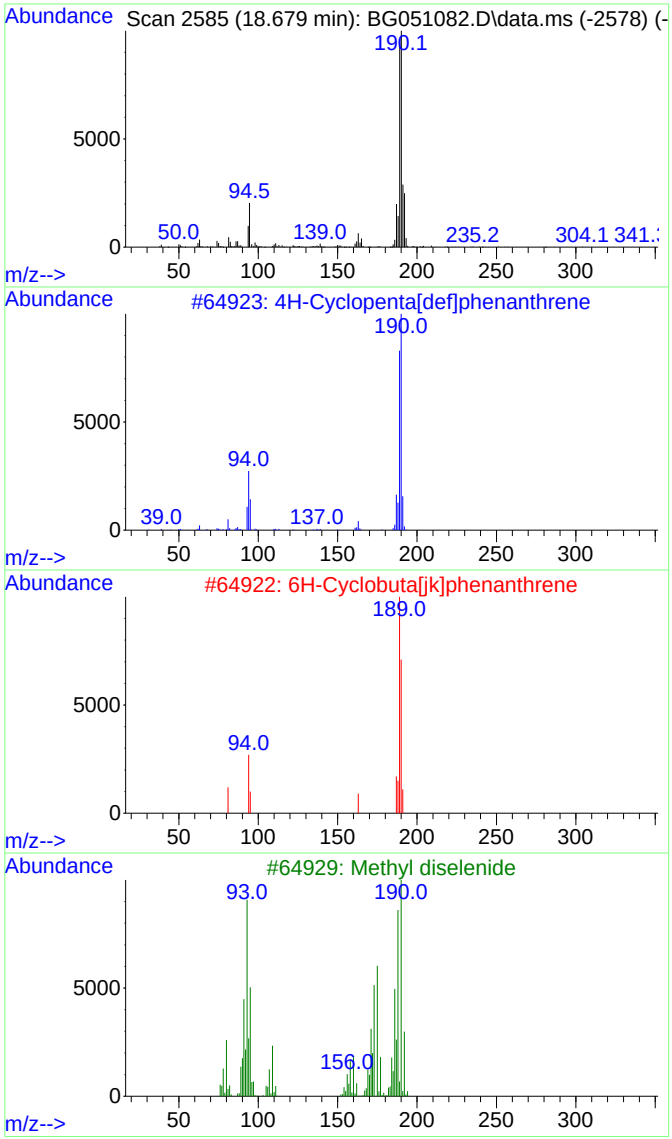
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

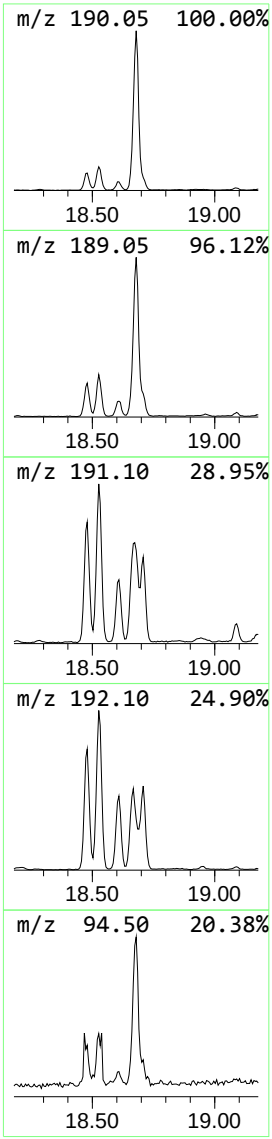
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.679	21.92 ng	810825	Phenanthrene-d10	17.609

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	64
3	Methyl diselenide	190	C2H6Se2	007101-31-7	49
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	Cyclohexanone, 2-(2-furanylmethy...	190	C12H14O2	056053-07-7	22





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Sample : M4625-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

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

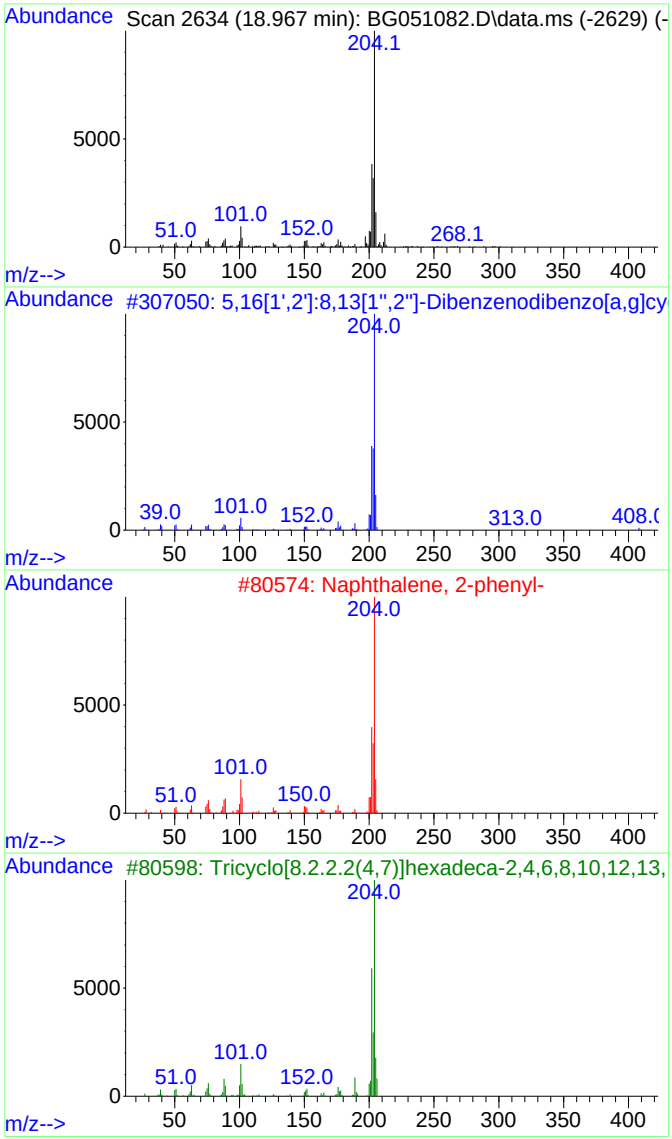
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

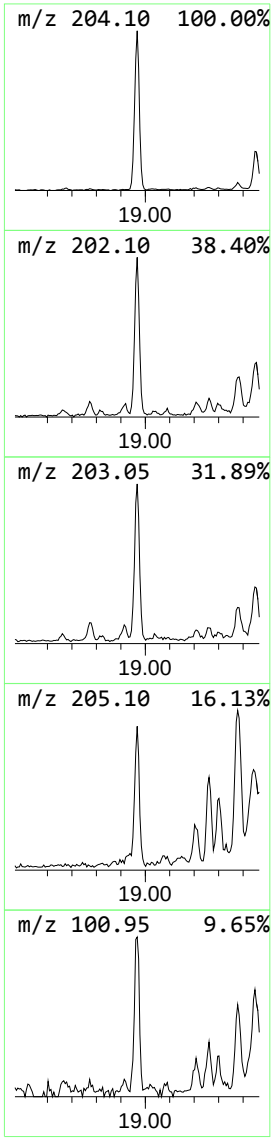
****

Peak Number 13 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.967	7.10 ng	262497	Phenanthrene-d10	17.609

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	53
5	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	49





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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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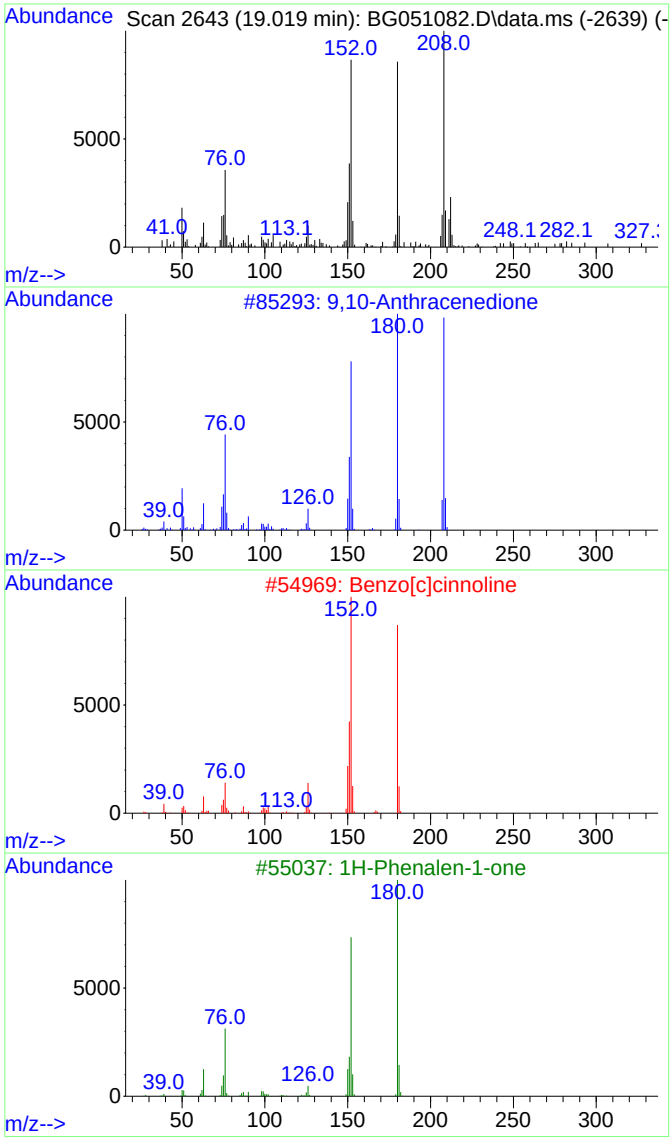
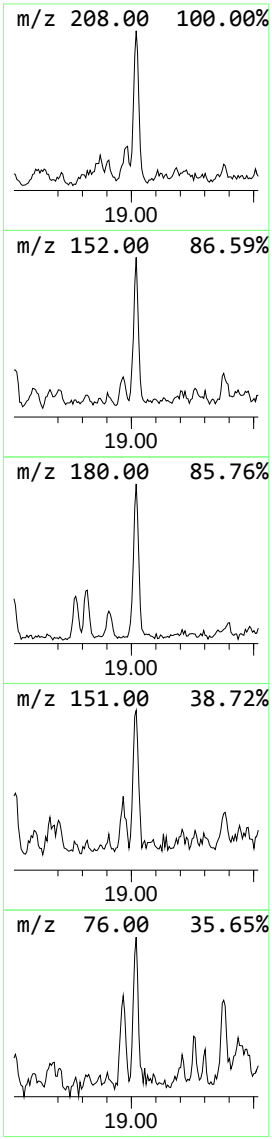
Peak Number 14 9,10-Anthracenedione Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.020	3.74 ng	138214	Phenanthrene-d10	17.609

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	91
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	90
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	64
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	49





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

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

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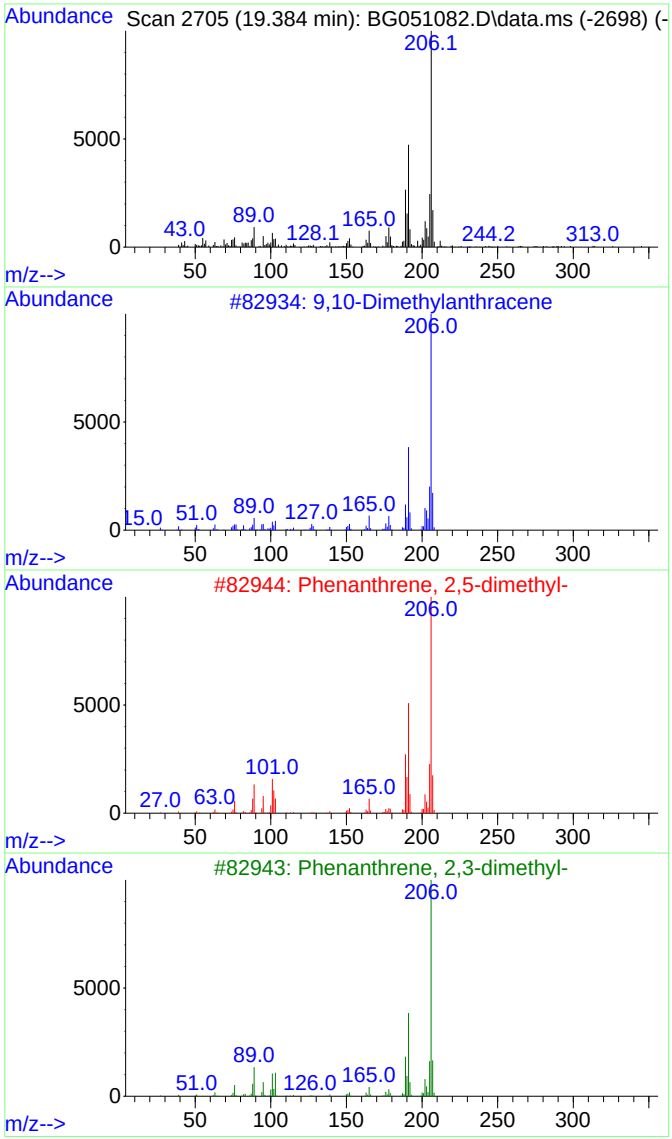
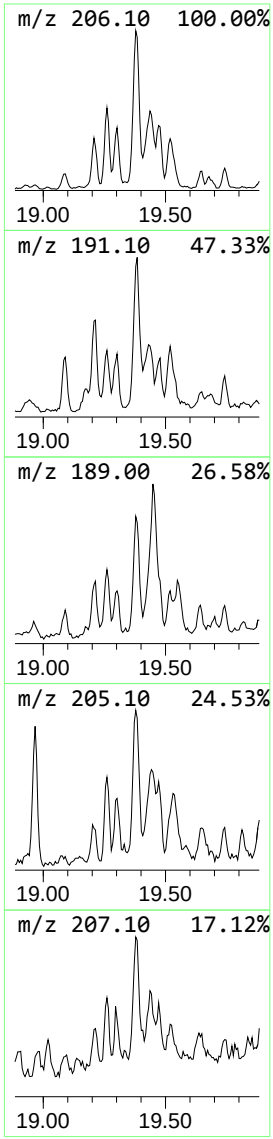
Peak Number 15 9,10-Dimethylanthracene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.384	10.58 ng	391298	Phenanthrene-d10	17.609

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
5	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	91





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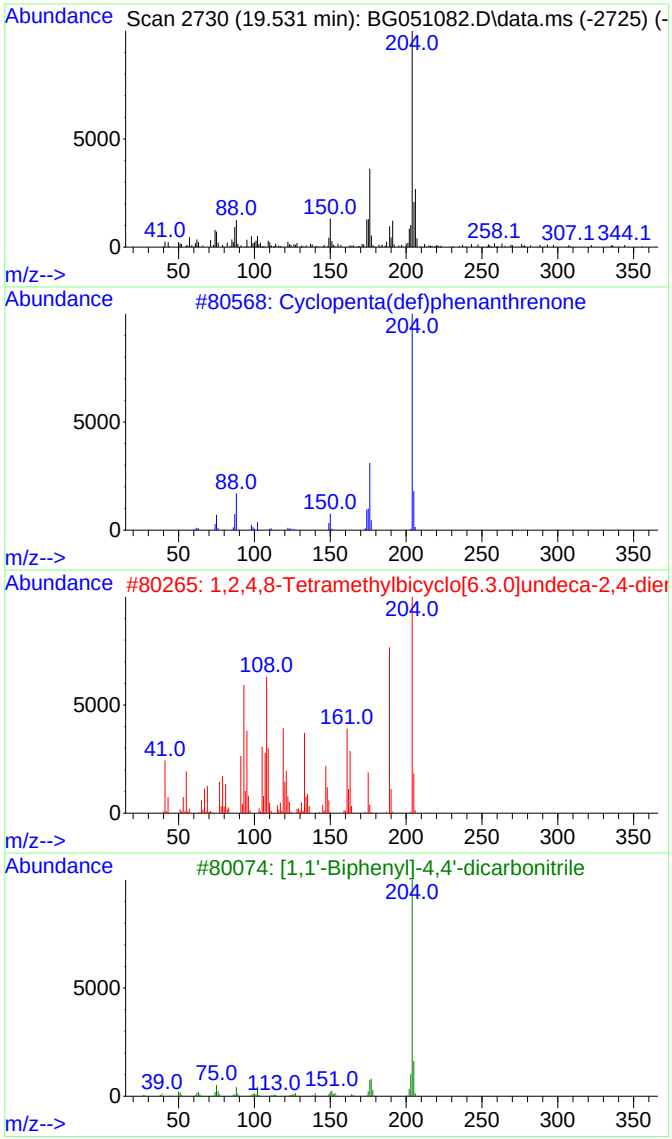
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

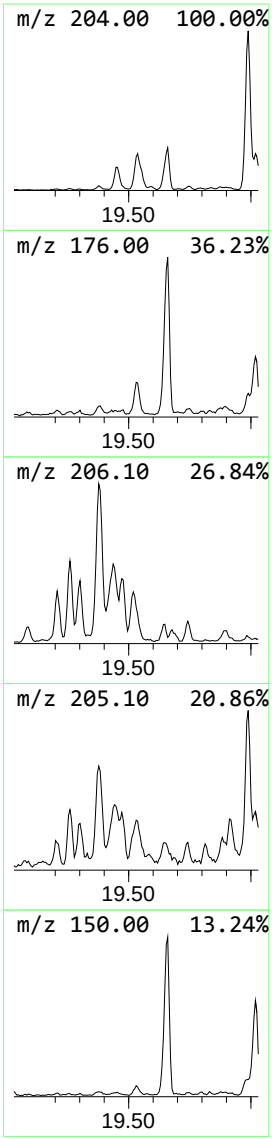
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.531	5.96 ng	220526	Phenanthrene-d10	17.609

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	89
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47
4	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	46
5	1-(2-Acetyl-3-chlorophenyl)-1H-p...	247	C13H10ClNO2	1000306-70-9	43





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TIC Library : C:\Database\NIST20.L
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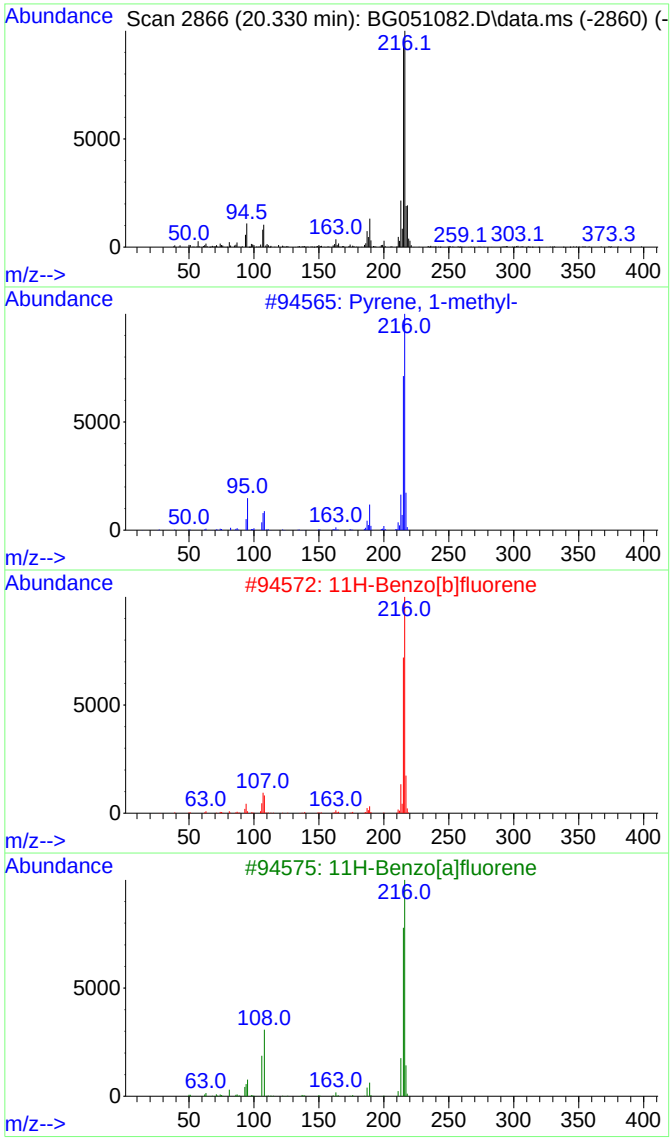
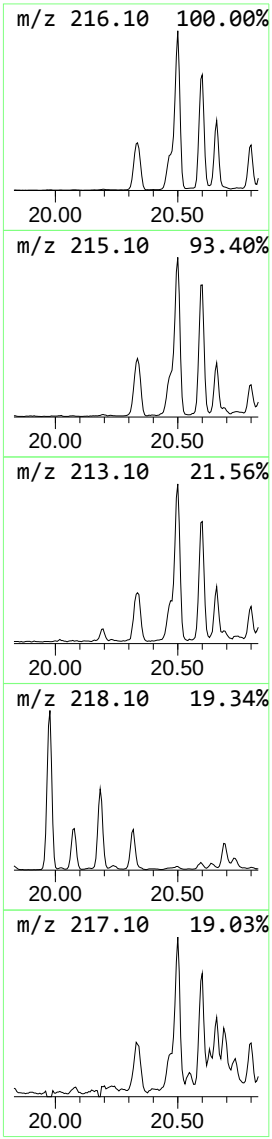
Peak Number 17 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.330	2.71 ng	494769	Chrysene-d12	21.916

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81





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Data File : BG051082.D
Acq On : 17 Nov 2021 1:22
Operator : CG/JU
Sample : M4625-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SU-02-111021

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

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

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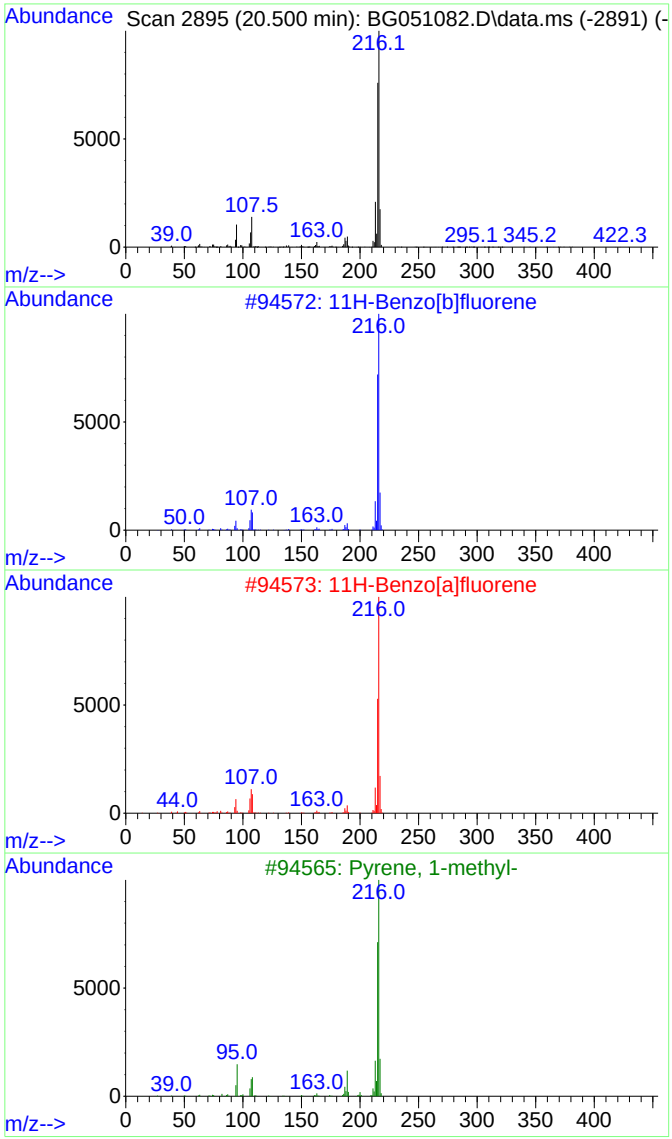
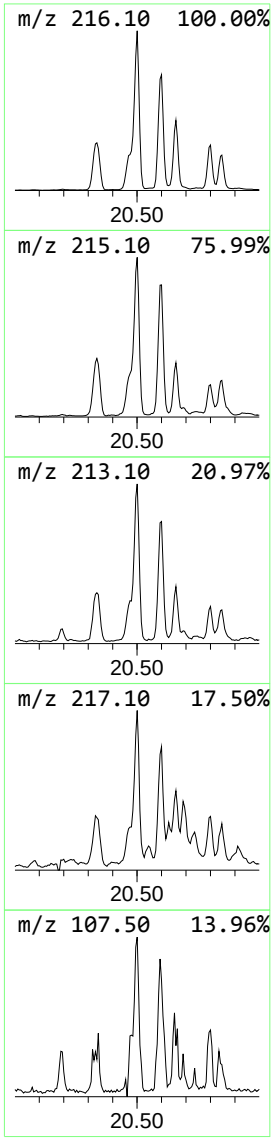
Peak Number 18 11H-Benzo[b]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.500	4.40 ng	802405	Chrysene-d12	21.916

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	95
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111621\
Data File : BG051082.D
Acq On : 17 Nov 2021 1:22
Operator : CG/JU
Sample : M4625-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SU-02-111021

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

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

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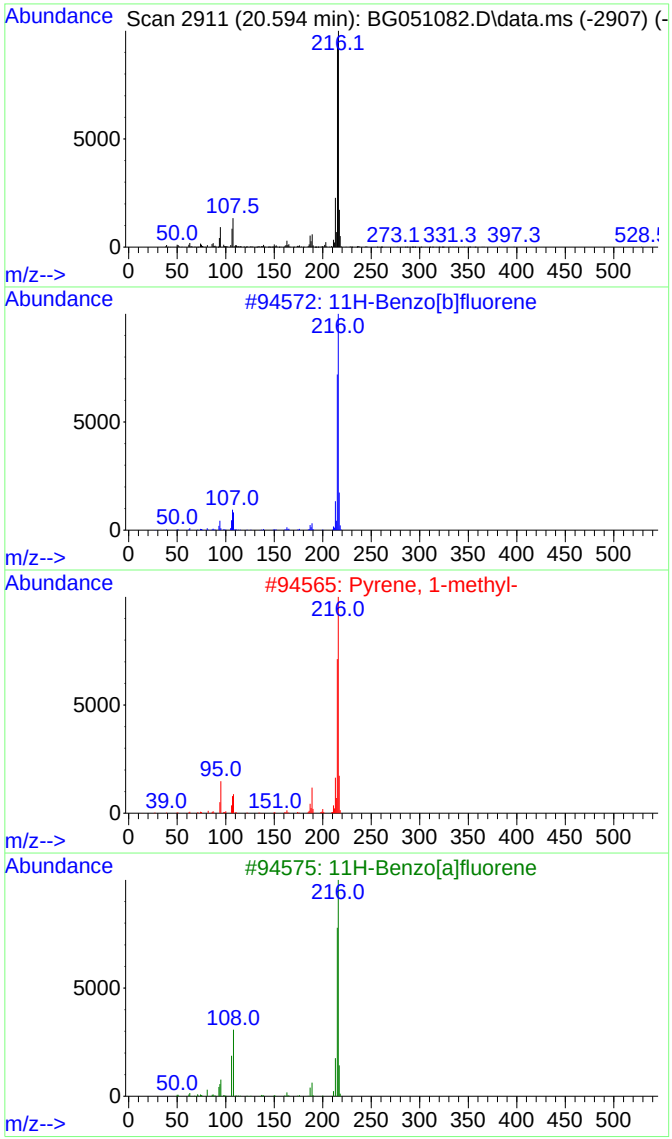
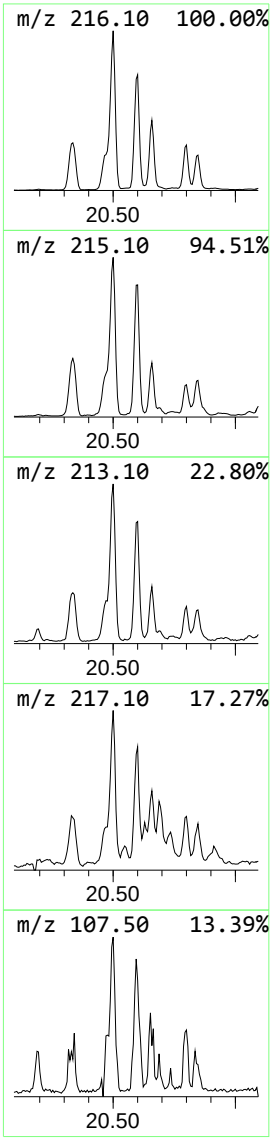
Peak Number 19 11H-Benzo[a]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.594	3.45 ng	628308	Chrysene-d12	21.916

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	1,3,5-Triazine-2,4,6-triamine, N...	216	C10H12N6	046731-79-7	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111621\
Data File : BG051082.D
Acq On : 17 Nov 2021 1:22
Operator : CG/JU
Sample : M4625-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SU-02-111021

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

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

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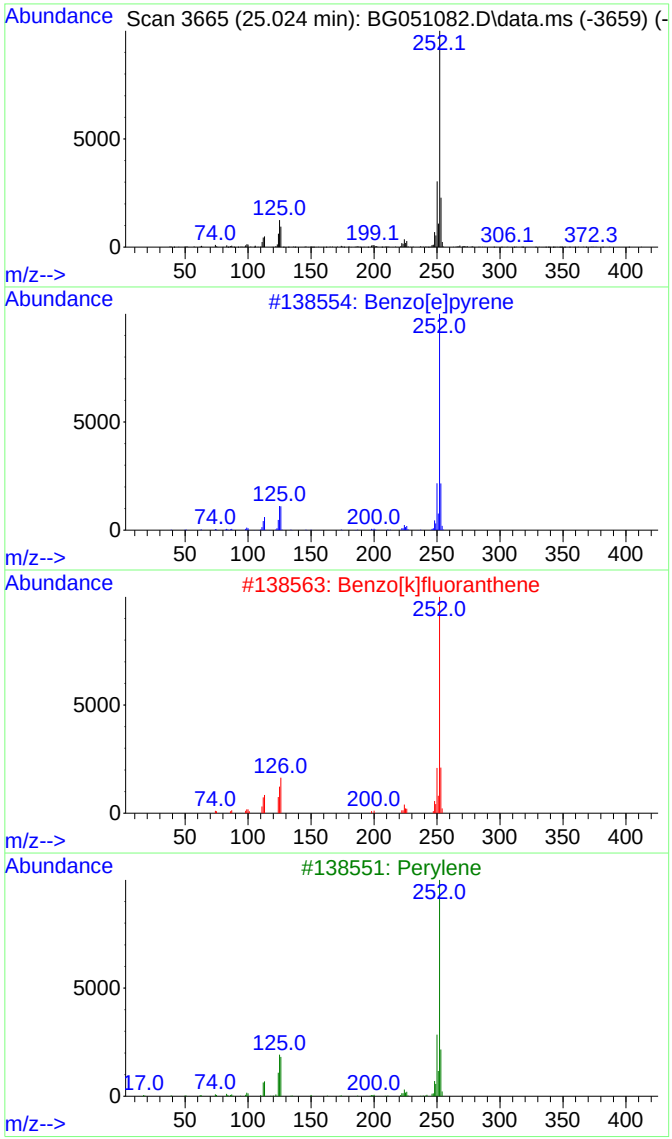
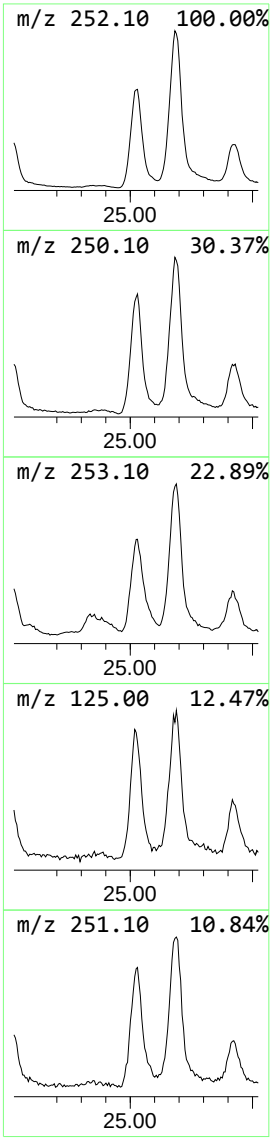
Peak Number 20 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.024	13.61 ng	1068090	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[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\BG111621\
Data File : BG051082.D
Acq On : 17 Nov 2021 1:22
Operator : CG/JU
Sample : M4625-01 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SU-02-111021

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

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Ethanol, 2-(2-b...	10.800	2.9	ng	69845	2	11.058	484087	20.0
Naphthalene, 1,...	15.324	3.0	ng	93807	3	14.854	626336	20.0
Nonadecane	15.659	3.7	ng	114764	3	14.854	626336	20.0
Dodecane	16.058	5.0	ng	157756	3	14.854	626336	20.0
Dodecane, 2,7,1...	16.540	6.5	ng	240919	4	17.609	739762	20.0
9H-Fluorene, 1-...	16.898	3.2	ng	117101	4	17.609	739762	20.0
Dodecane, 1-iodo-	17.363	3.7	ng	137612	4	17.609	739762	20.0
Dibenzothiophene	17.421	4.7	ng	175429	4	17.609	739762	20.0
Phenanthrene, 1...	18.479	8.1	ng	300203	4	17.609	739762	20.0
Phenanthrene, 2...	18.526	12.4	ng	459974	4	17.609	739762	20.0
1H-Cyclopropa[1...	18.608	5.3	ng	195765	4	17.609	739762	20.0
4H-Cyclopenta[d...	18.679	21.9	ng	810825	4	17.609	739762	20.0
5,16[1',2']:8,1...	18.967	7.1	ng	262497	4	17.609	739762	20.0
9,10-Anthracene...	19.020	3.7	ng	138214	4	17.609	739762	20.0
9,10-Dimethylan...	19.384	10.6	ng	391298	4	17.609	739762	20.0
Cyclopenta(def)...	19.531	6.0	ng	220526	4	17.609	739762	20.0
Pyrene, 1-methyl-	20.330	2.7	ng	494769	5	21.916	3647280	20.0
11H-Benzo[b]flu...	20.500	4.4	ng	802405	5	21.916	3647280	20.0
11H-Benzo[a]flu...	20.594	3.5	ng	628308	5	21.916	3647280	20.0
Benzo[e]pyrene	25.024	13.6	ng	1068090	6	25.342	1570060	20.0