LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062822\
Data File : BG054129.D
Acq On : 28 Jun 2022 22:47
Operator : CG/JU
Sample : N3488-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-9-0-2-20220623

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-BG061322.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG054129.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.641	376	383	397	rVB	373777	647001	37.37%	2.837%
2	7.233	646	654	668	rBV	396465	717657	41.45%	3.146%
3	8.073	790	797	803	rBV	94635	165099	9.54%	0.724%
4	9.231	987	994	1003	rVB	246471	457374	26.42%	2.005%
5	10.882	1265	1275	1281	rBV	128130	246564	14.24%	1.081%
6	10.929	1281	1283	1292	rVB	13922	21846	1.26%	0.096%
7	13.320	1680	1690	1699	rBV	727585	1171691	67.68%	5.137%
8	14.695	1916	1924	1930	rBV	201661	336936	19.46%	1.477%
9	14.759	1930	1935	1942	rVB	48010	76660	4.43%	0.336%
10	15.094	1986	1992	2001	rBV	20141	30211	1.75%	0.132%
11	15.741	2095	2102	2109	rBV	33479	53436	3.09%	0.234%
12	16.181	2170	2177	2188	rBV	576608	915738	52.90%	4.015%
13	17.039	2315	2323	2327	rBV2	16338	30197	1.74%	0.132%
14	17.092	2327	2332	2340	rVB	29259	47948	2.77%	0.210%
15	17.192	2340	2349	2354	rBV7	10861	26555	1.53%	0.116%
16	17.256	2354	2360	2367	rVB2	19566	33615	1.94%	0.147%
17	17.444	2385	2392	2395	rBV	249781	413073	23.86%	1.811%
18	17.486	2395	2399	2405	rVV	431879	651581	37.64%	2.857%
19	17.574	2405	2414	2420	rVV	111061	188948	10.91%	0.828%
20	17.632	2420	2424	2429	rVB	16768	27332	1.58%	0.120%
21	17.844	2450	2460	2471	rBV2	68430	145901	8.43%	0.640%
22	18.097	2499	2503	2509	rVV7	11888	19273	1.11%	0.084%
23	18.326	2536	2542	2545	rBV2	100911	162856	9.41%	0.714%
24	18.367	2545	2549	2556	rVB	81529	133781	7.73%	0.587%
25	18.443	2556	2562	2568	rVB	32002	54788	3.16%	0.240%
26	18.514	2568	2574	2578	rBV3	107784	205484	11.87%	0.901%
27	18.813	2619	2625	2628	rBV	52345	77757	4.49%	0.341%
28	18.855	2628	2632	2638	rVB	43279	64428	3.72%	0.282%
29	19.060	2663	2667	2672	rBV3	14867	21922	1.27%	0.096%
30	19.148	2678	2682	2686	rVB3	15115	19208	1.11%	0.084%
31	19.231	2691	2696	2702	rBV2	35681	71399	4.12%	0.313%
32	19.372	2716	2720	2723	rBV	39262	63299	3.66%	0.278%
33	19.495	2735	2741	2747	rBV	1115974	1670974	96.52%	7.326%
34	19.589	2754	2757	2764	rVB2	30124	44402	2.56%	0.195%
35	19.677	2769	2772	2776	rBV5	16764	28695	1.66%	0.126%
36	19.736	2779	2782	2786	rVB2	25498	32829	1.90%	0.144%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062822\
Data File : BG054129.D
Acq On : 28 Jun 2022 22:47
Operator : CG/JU
Sample : N3488-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-9-0-2-20220623

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-BG061322.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	19.859	2792	2803	2810	rBV2	882852	1731226	100.00%	7.590%
38	19.924	2810	2814	2818	rBV2	38792	62061	3.58%	0.272%
39	20.047	2828	2835	2840	rBV	1142495	1656088	95.66%	7.261%
40	20.094	2840	2843	2848	rVB	87083	125582	7.25%	0.551%
41	20.182	2851	2858	2863	rBV2	76015	195718	11.31%	0.858%
42	20.224	2863	2865	2871	rVB	22132	28987	1.67%	0.127%
43	20.347	2873	2886	2891	rBV	181228	416869	24.08%	1.828%
44	20.394	2891	2894	2897	rVB2	17216	18832	1.09%	0.083%
45	20.447	2898	2903	2907	rBV	137348	203167	11.74%	0.891%
46	20.506	2907	2913	2916	rVV2	88294	176384	10.19%	0.773%
47	20.541	2916	2919	2923	rVB	67778	84518	4.88%	0.371%
48	20.647	2933	2937	2940	rBV	54254	73050	4.22%	0.320%
49	20.688	2941	2944	2948	rVB	49485	69963	4.04%	0.307%
50	21.111	3012	3016	3024	rVB	98404	163297	9.43%	0.716%
51	21.299	3041	3048	3051	rBV3	108112	220803	12.75%	0.968%
52	21.346	3051	3056	3060	rVV2	161000	307908	17.79%	1.350%
53	21.393	3060	3064	3069	rVV2	110763	228532	13.20%	1.002%
54	21.446	3069	3073	3085	rVB2	108106	211158	12.20%	0.926%
55	21.704	3111	3117	3124	rBV3	708858	1644567	94.99%	7.210%
56	21.769	3124	3128	3140	rVB	503011	950621	54.91%	4.168%
57	21.927	3149	3155	3161	rBV2	143022	294363	17.00%	1.291%
58	22.127	3184	3189	3197	rVB3	99987	197223	11.39%	0.865%
59	23.960	3491	3501	3508	rBV	447011	1606834	92.81%	7.045%
60	24.213	3539	3544	3553	rVB	79000	183356	10.59%	0.804%
61	24.689	3617	3625	3637	rVB2	266363	827681	47.81%	3.629%
62	24.836	3640	3650	3664	rVB	365547	1058787	61.16%	4.642%
63	24.983	3669	3675	3682	rBV2	125392	341737	19.74%	1.498%
64	28.731	4304	4313	4336	rVB3	131500	653330	37.74%	2.864%

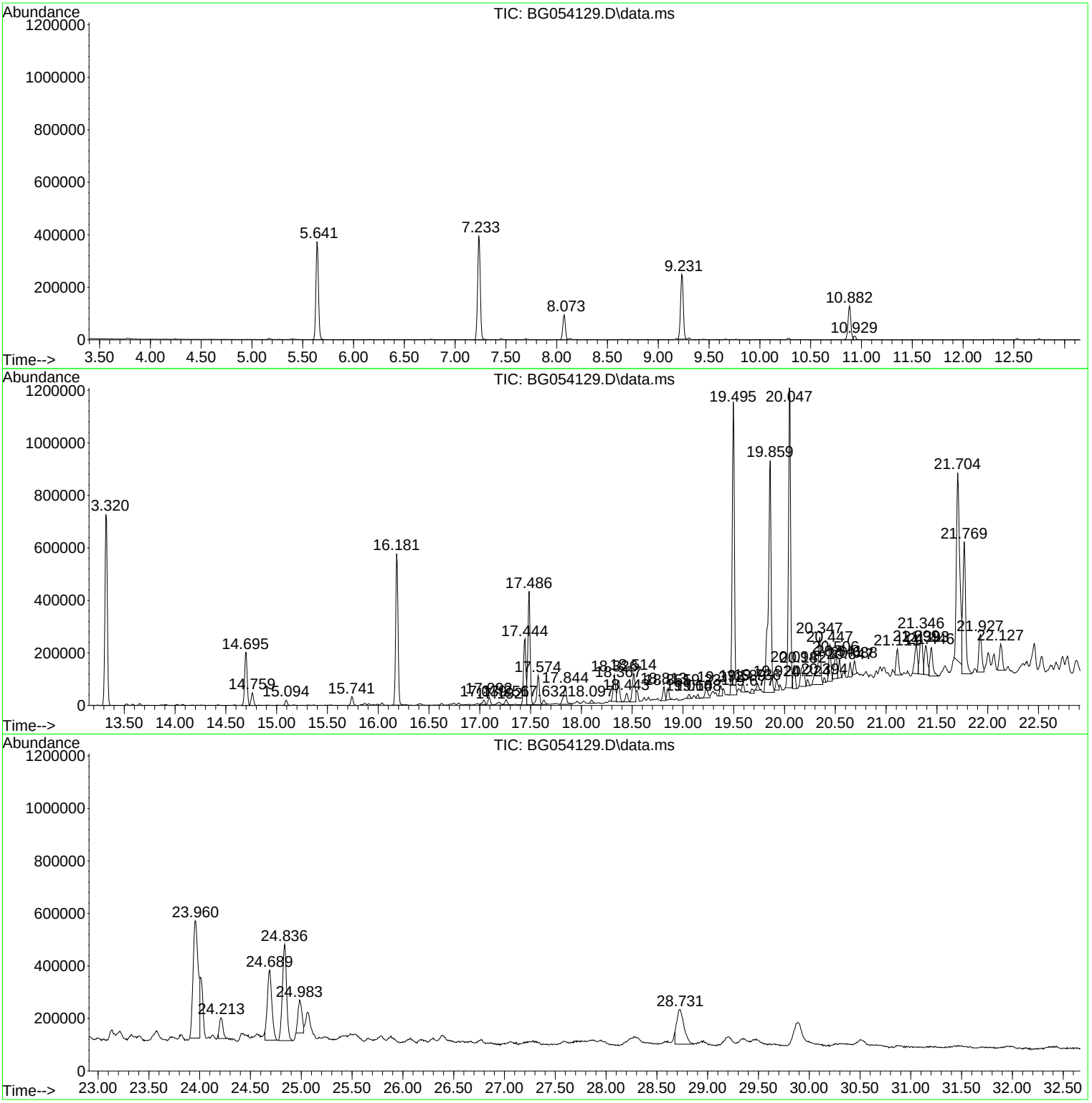
Sum of corrected areas: 22809100

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062822\
Data File : BG054129.D
Acq On : 28 Jun 2022 22:47
Operator : CG/JU
Sample : N3488-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-9-0-2-20220623

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.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\BG062822\
Data File : BG054129.D
Acq On : 28 Jun 2022 22:47
Operator : CG/JU
Sample : N3488-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-9-0-2-20220623

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

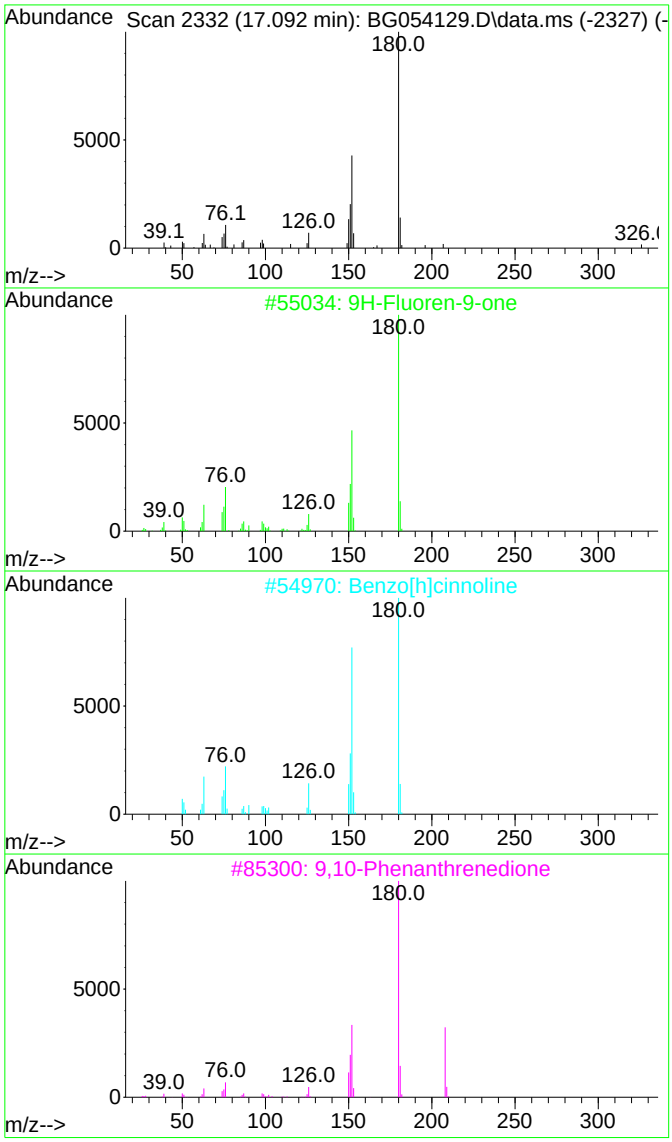
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

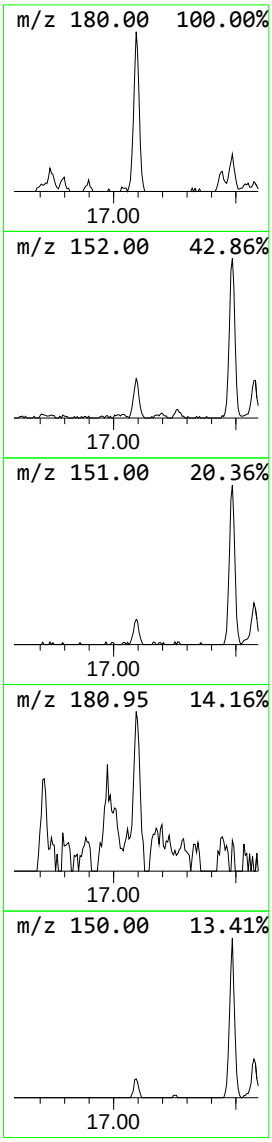
****

Peak Number 1 9H-Fluoren-9-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.092	2.32 ng	47948	Phenanthrene-d10	17.444

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91
3	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	90
4	Diphenic anhydride	224	C14H8O3	006050-13-1	83
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062822\
Data File : BG054129.D
Acq On : 28 Jun 2022 22:47
Operator : CG/JU
Sample : N3488-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-9-0-2-20220623

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

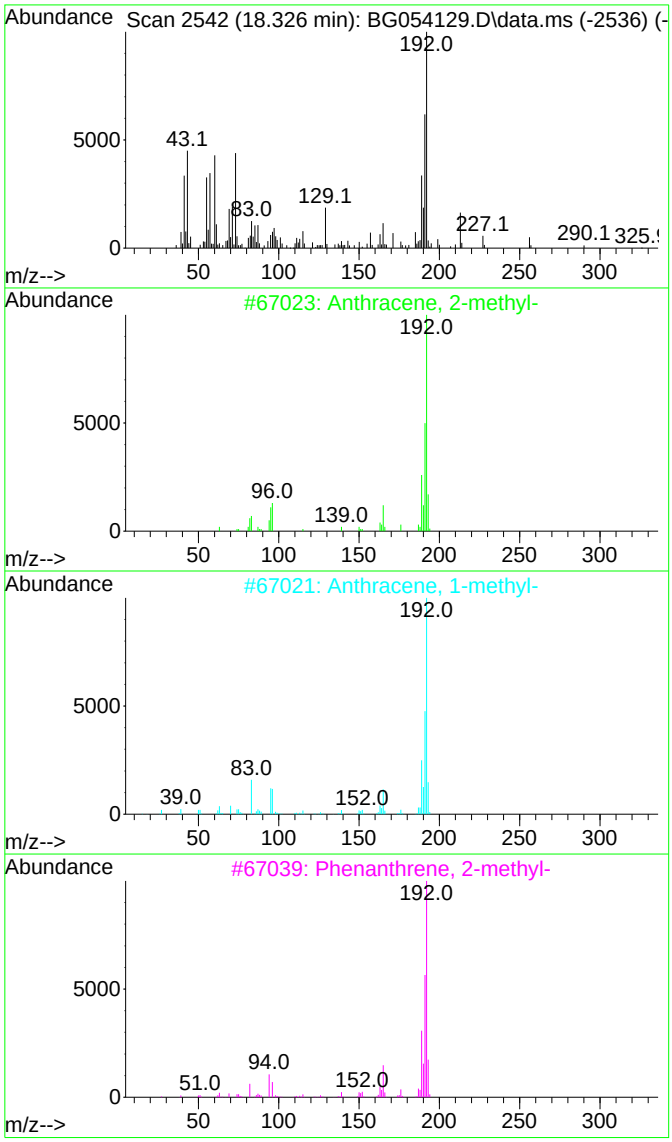
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

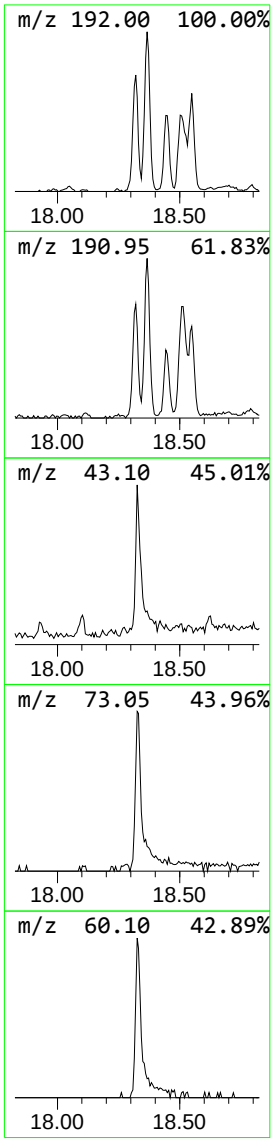
****

Peak Number 2 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.326	7.89 ng	162856	Phenanthrene-d10	17.444

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	64
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	60
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	60
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	53
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062822\
Data File : BG054129.D
Acq On : 28 Jun 2022 22:47
Operator : CG/JU
Sample : N3488-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-9-0-2-20220623

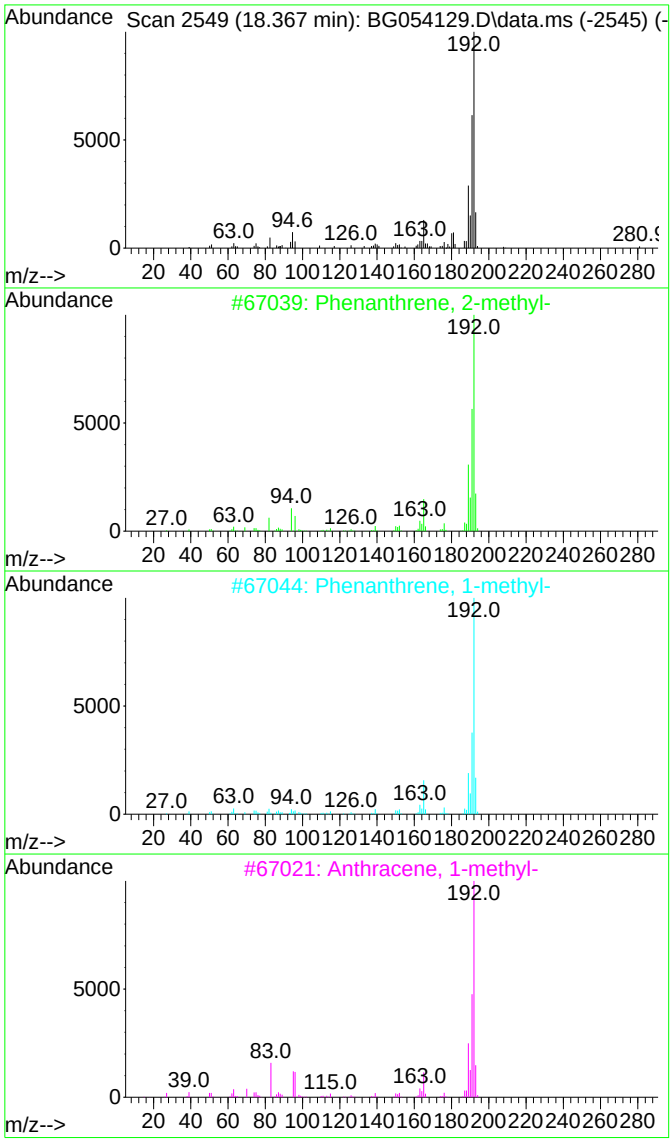
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

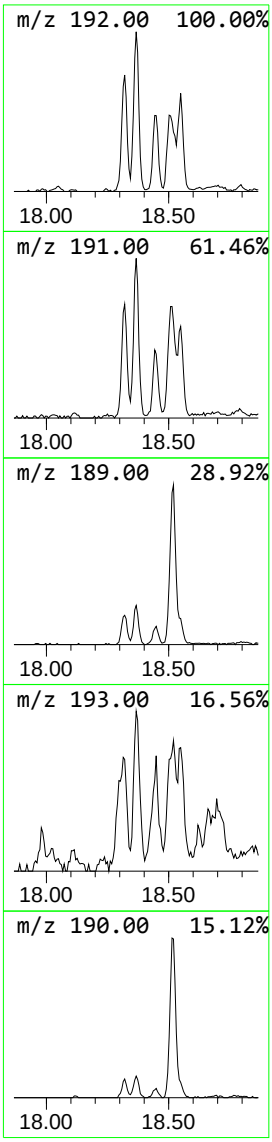
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.367	6.48 ng	133781	Phenanthrene-d10	17.444

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062822\
Data File : BG054129.D
Acq On : 28 Jun 2022 22:47
Operator : CG/JU
Sample : N3488-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-9-0-2-20220623

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

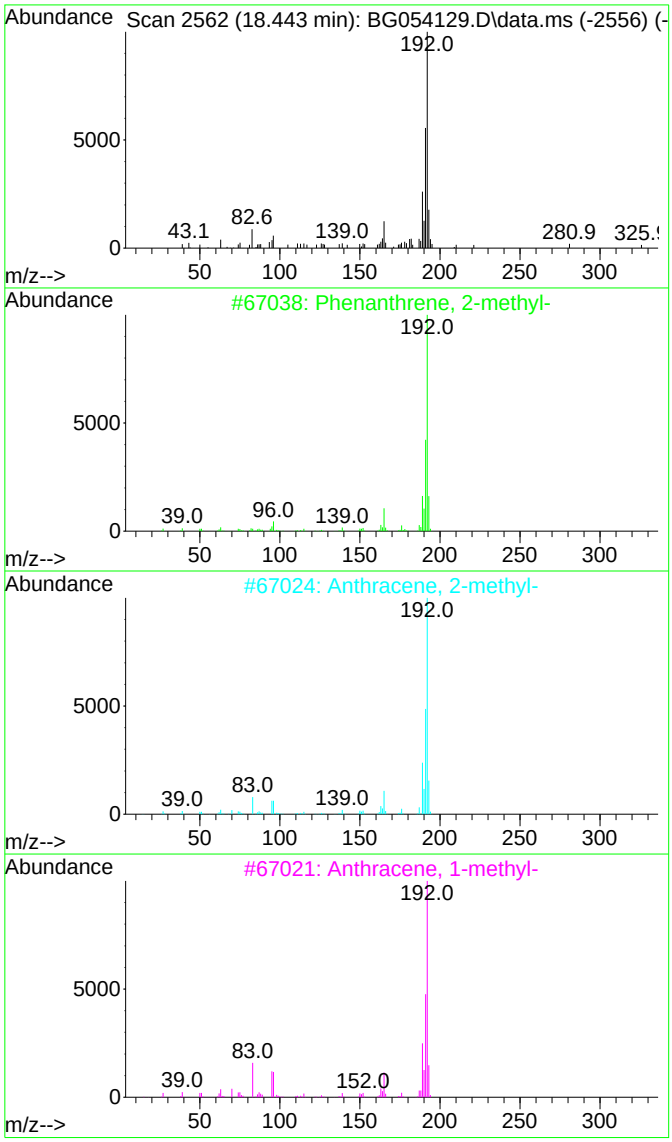
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

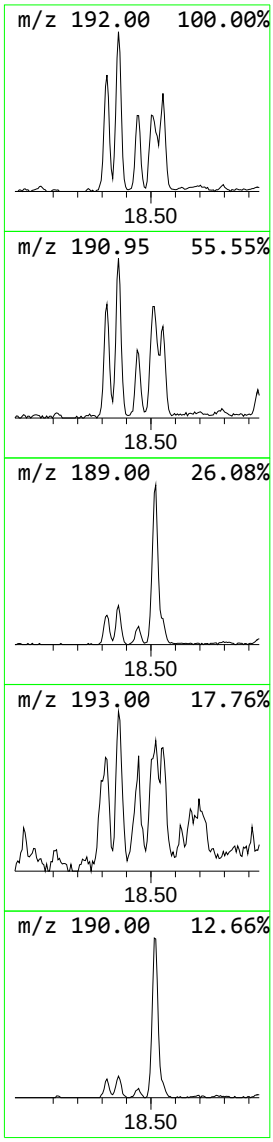
****

Peak Number 4 Anthracene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.443	2.65 ng	54788	Phenanthrene-d10	17.444

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062822\
Data File : BG054129.D
Acq On : 28 Jun 2022 22:47
Operator : CG/JU
Sample : N3488-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-9-0-2-20220623

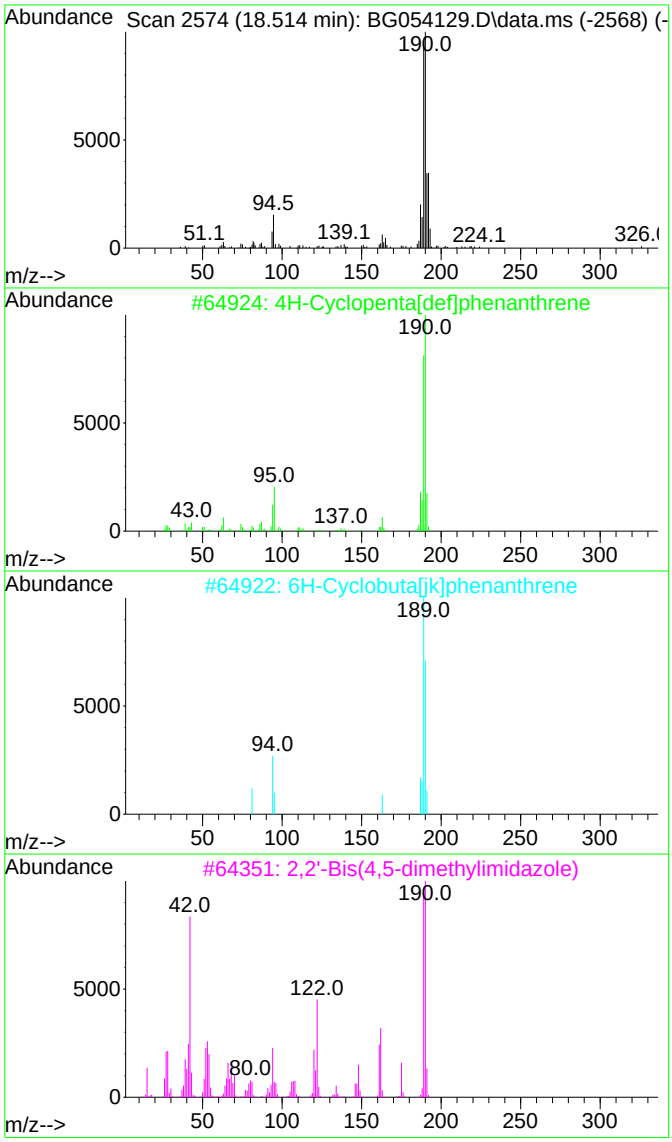
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

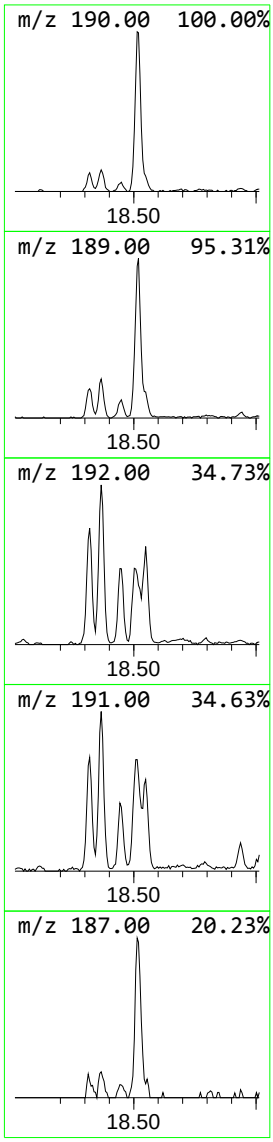
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.514	9.95 ng	205484	Phenanthrene-d10	17.444

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	89
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
4	2,4(1H,3H)-Pyrimidinedione, 5-br...	190	C4H3BrN2O2	000051-20-7	38
5	Cyclohexanone, 2-(2-furanylmethy...	190	C12H14O2	056053-07-7	27





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062822\
Data File : BG054129.D
Acq On : 28 Jun 2022 22:47
Operator : CG/JU
Sample : N3488-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-9-0-2-20220623

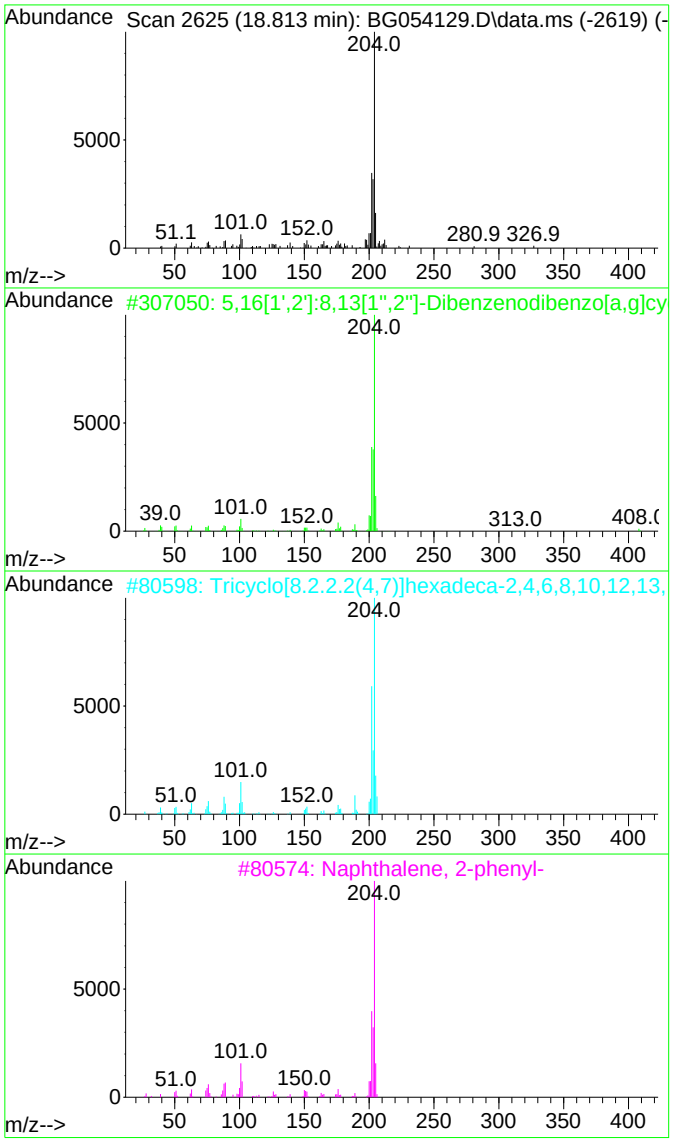
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

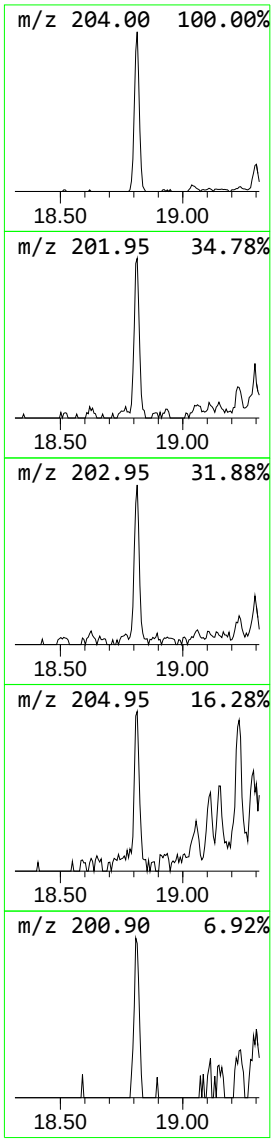
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.813	3.76 ng	77757	Phenanthrene-d10	17.444

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	83
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	76
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062822\
Data File : BG054129.D
Acq On : 28 Jun 2022 22:47
Operator : CG/JU
Sample : N3488-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-9-0-2-20220623

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

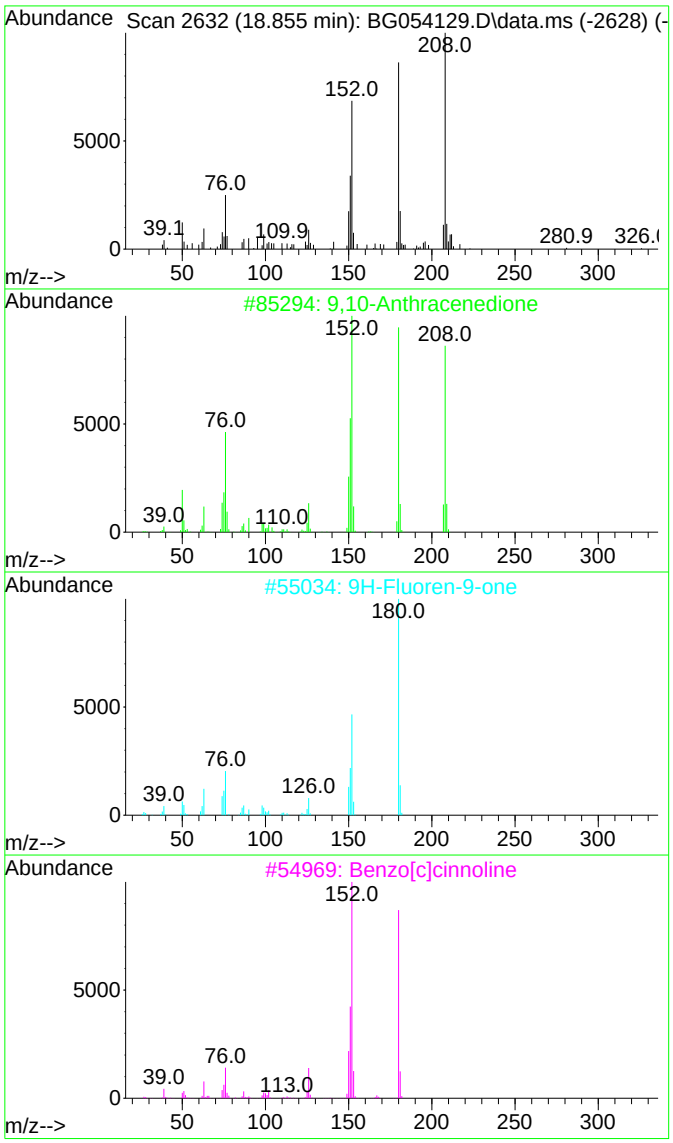
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

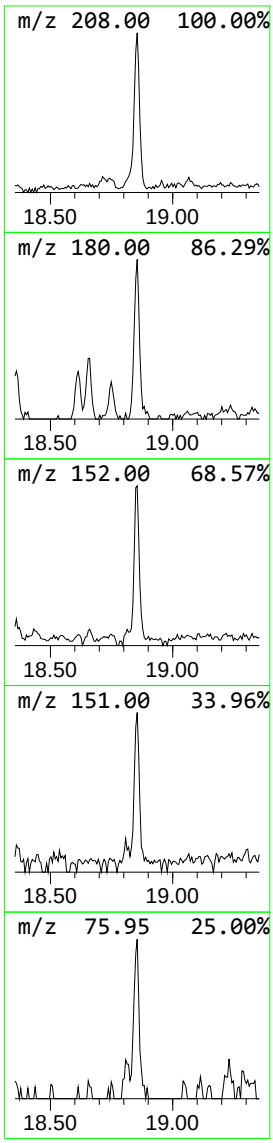
****

Peak Number 7 9,10-Anthracenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.855	3.12 ng	64428	Phenanthrene-d10	17.444

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	55
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	55
4	2-(Dicyanomethylene)indene-1,3-d...	208	C12H4N2O2	016954-74-8	52
5	15,19-Dioxatetracyclo[12.5.0.0(2...	266	C17H14O3	1000436-55-0	47





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Acq On : 28 Jun 2022 22:47
Operator : CG/JU
Sample : N3488-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-9-0-2-20220623

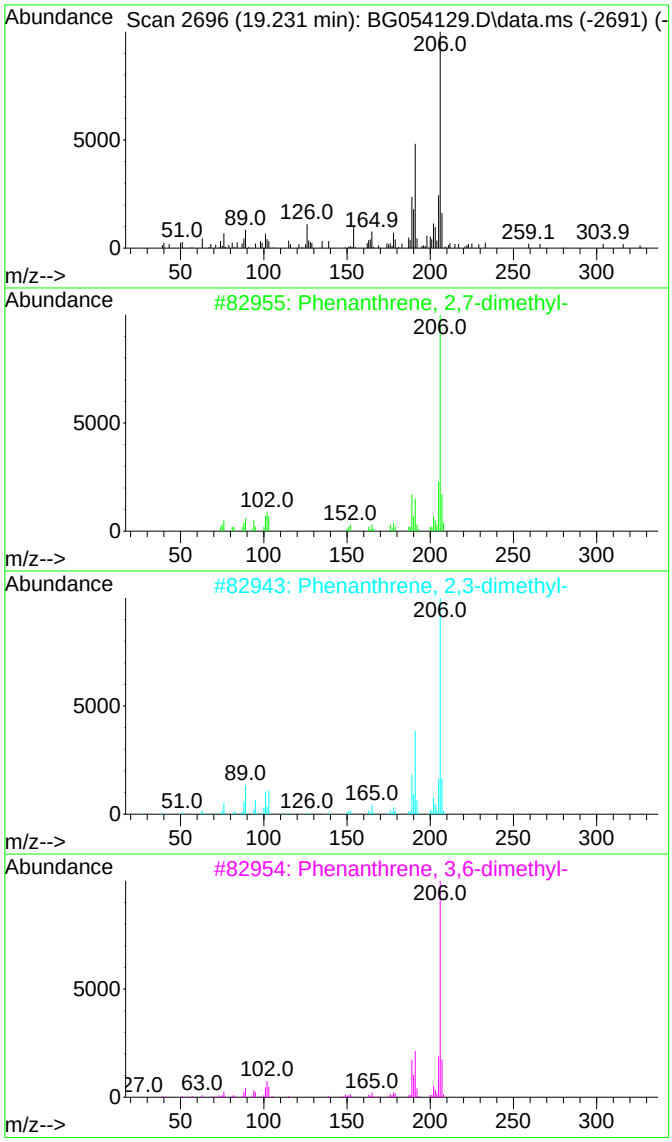
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

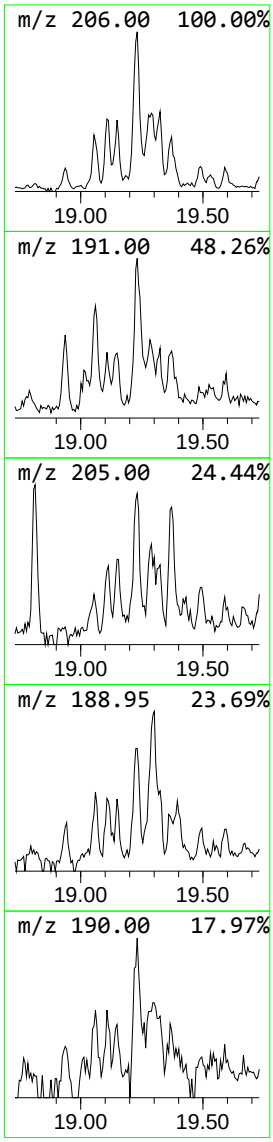
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Phenanthrene, 2,7-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.231	3.46 ng	71399	Phenanthrene-d10	17.444

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	89
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	86
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	81
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	81
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	80





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Operator : CG/JU
Sample : N3488-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-9-0-2-20220623

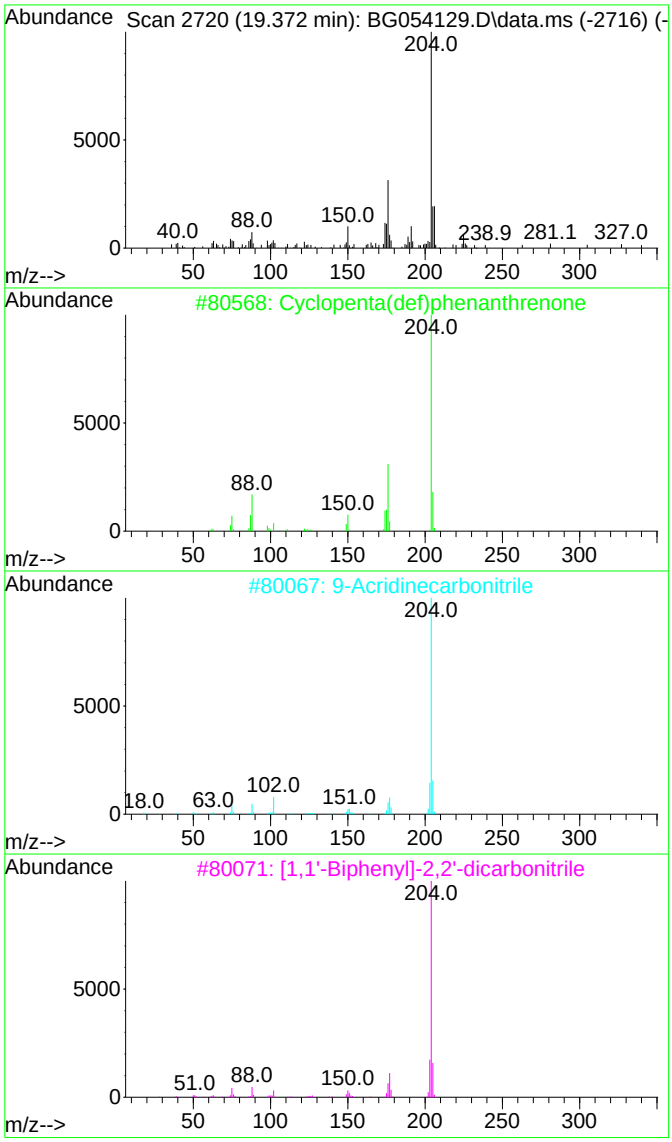
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

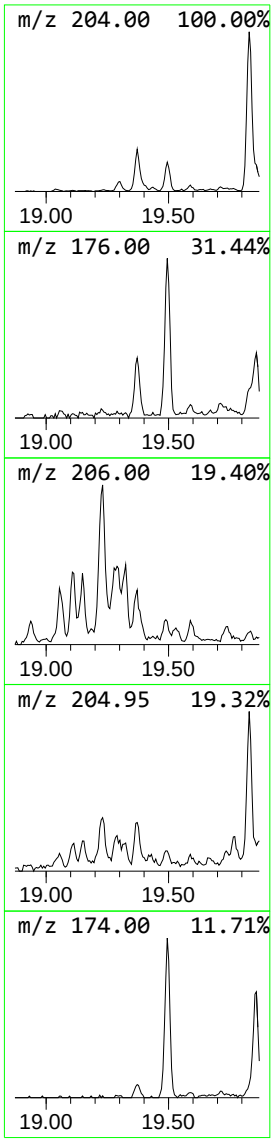
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Cyclopenta(def)phenanthrenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.372	3.06 ng	63299	Phenanthrene-d10	17.444

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	81
2	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	50
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	49
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	47





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Sample : N3488-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-9-0-2-20220623

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

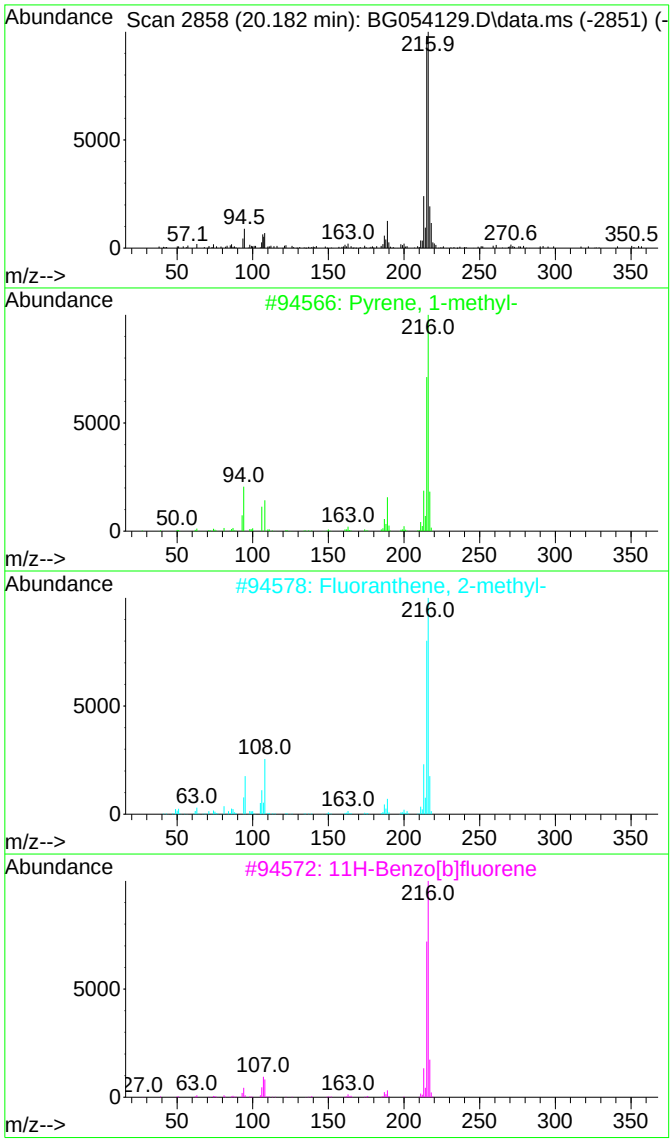
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

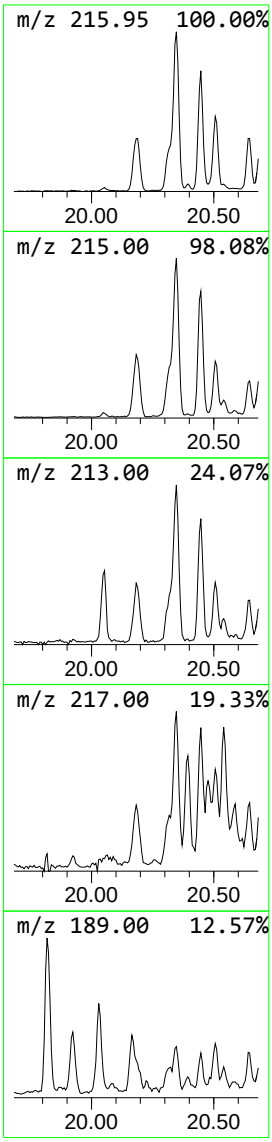
****

Peak Number 10 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.182	2.38 ng	195718	Chrysene-d12	21.722

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76





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Operator : CG/JU
Sample : N3488-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-9-0-2-20220623

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

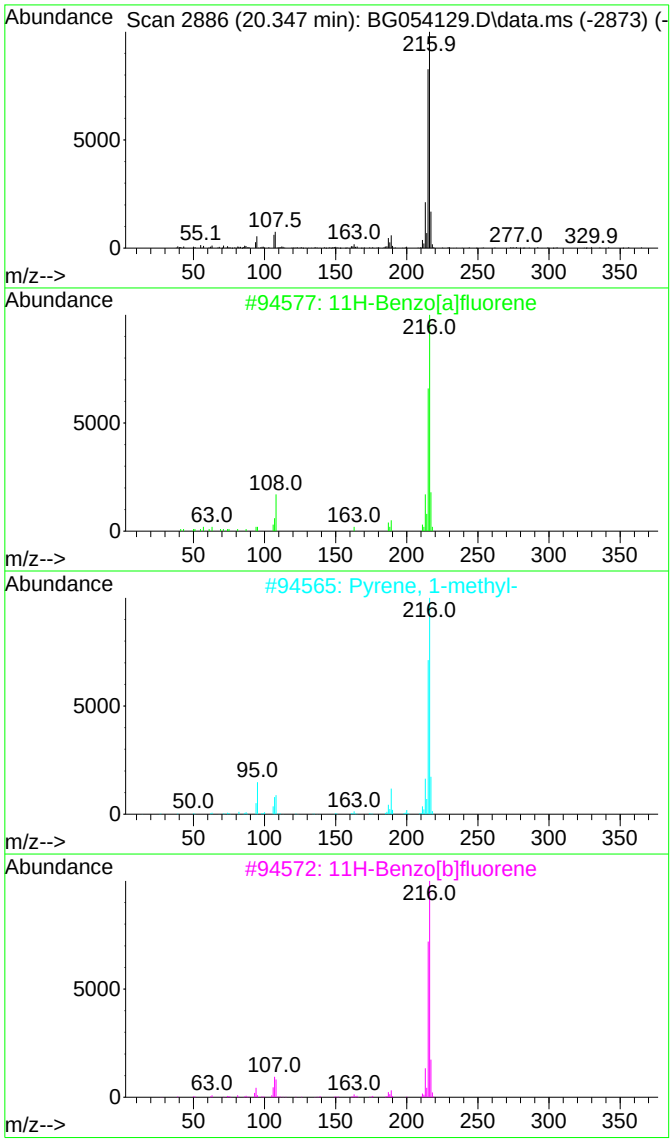
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

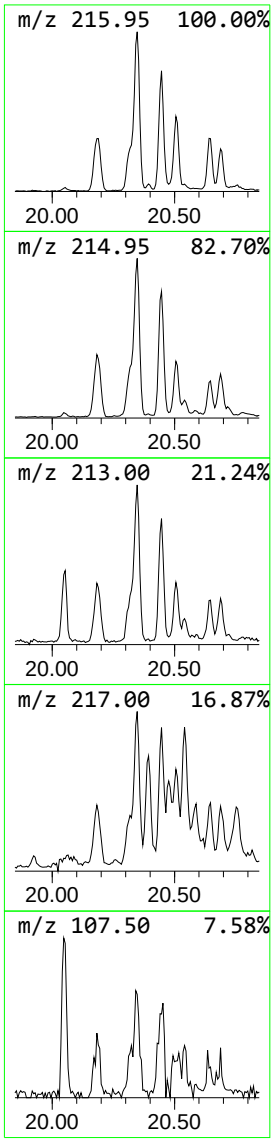
****

Peak Number 11 11H-Benzo[a]fluorene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.347	5.07 ng	416869	Chrysene-d12	21.722

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	80





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Sample : N3488-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-9-0-2-20220623

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

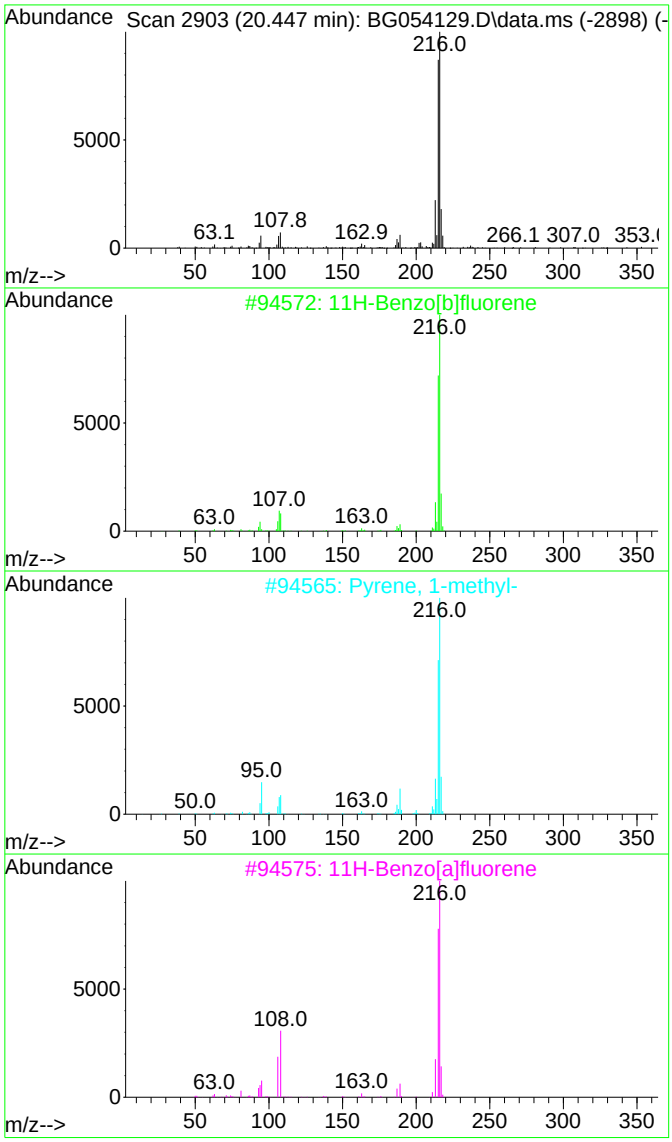
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

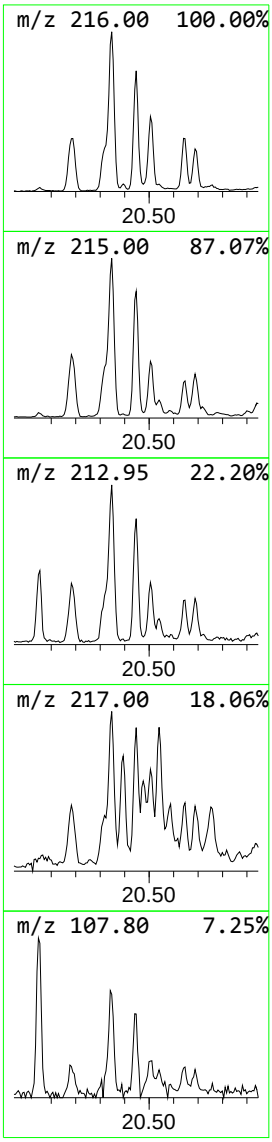
****

Peak Number 12 11H-Benzo[b]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.447	2.47 ng	203167	Chrysene-d12	21.722

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	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
5	6H-Thiazolo[5,4-e]indole, 2,7,8-...	216	C12H12N2S	1000338-32-0	64





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Sample : N3488-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

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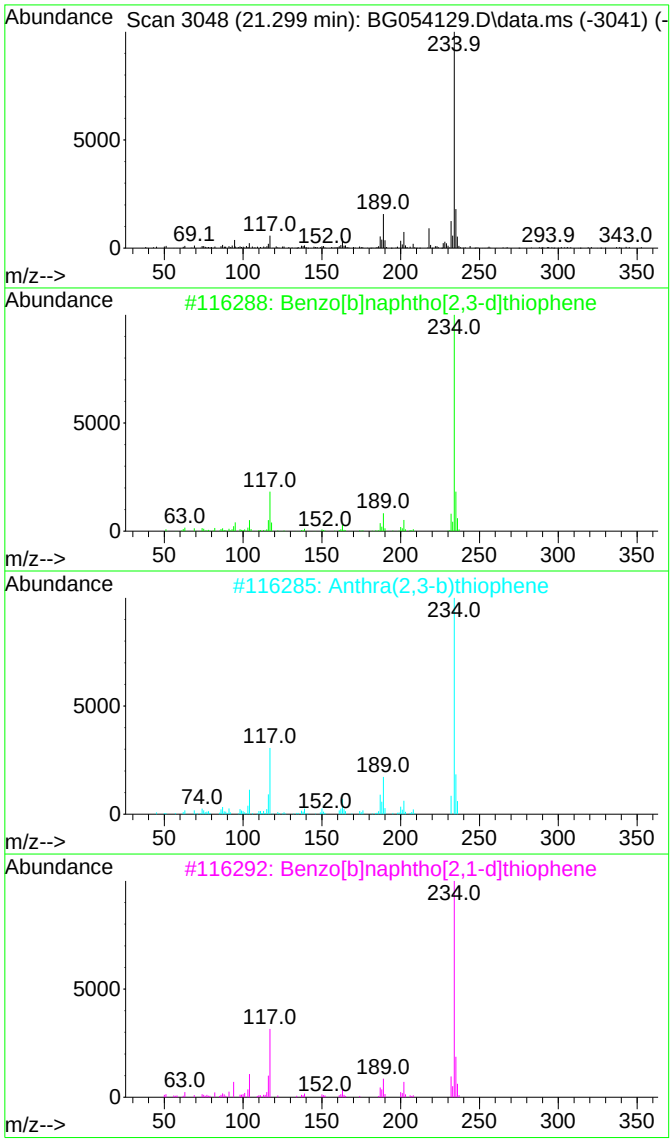
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

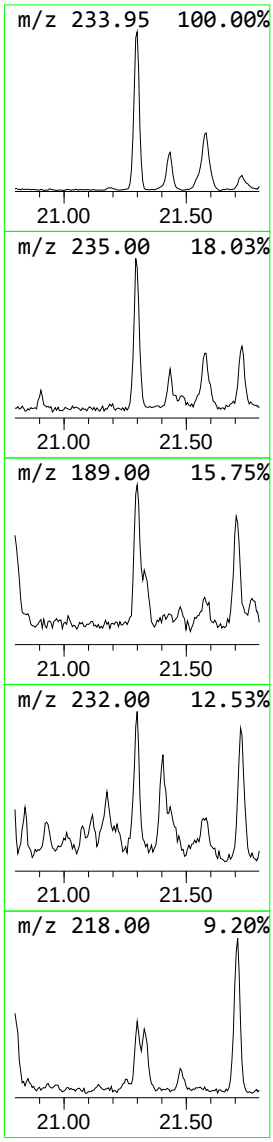
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.299	2.69 ng	220803	Chrysene-d12	21.722

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93
2	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	93
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
4	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	81
5	Phenanthro[4,3-b]thiophene	234	C16H10S	000195-68-6	64





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Sample : N3488-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

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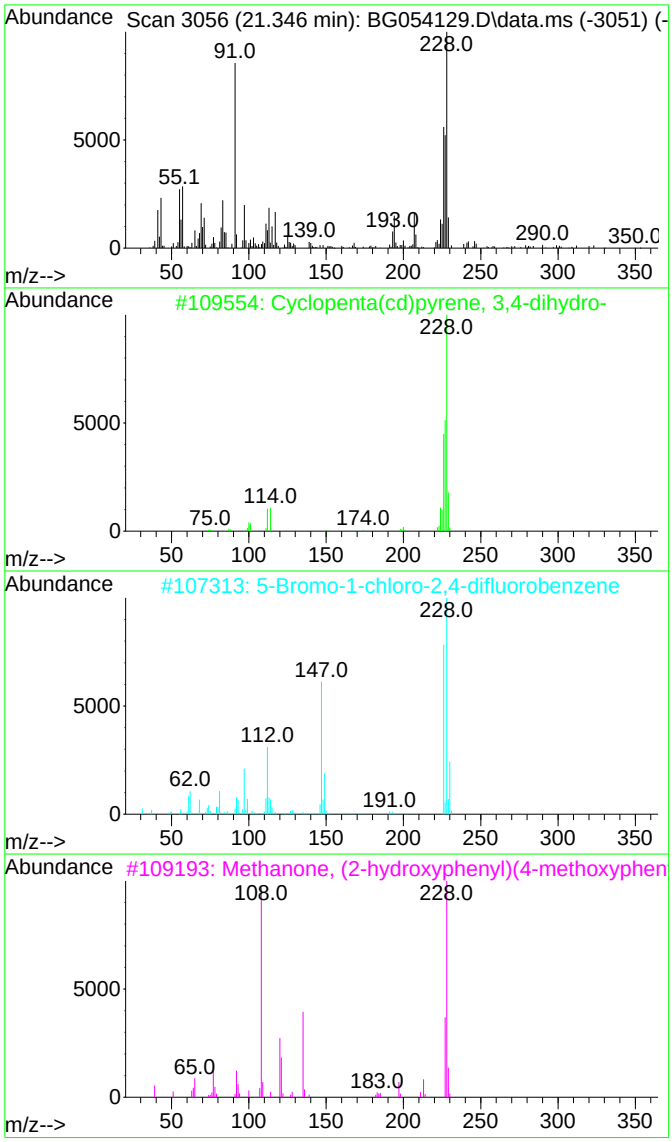
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

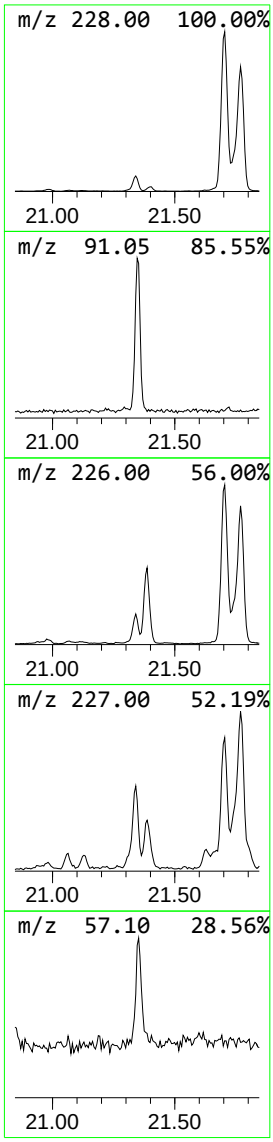
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.346	3.74 ng	307908	Chrysene-d12	21.722

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	53
2	5-Bromo-1-chloro-2,4-difluoroben...	226	C6H2BrClF2	914636-89-8	50
3	Methanone, (2-hydroxyphenyl)(4-m...	228	C14H12O3	018733-07-8	37
4	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	37
5	Triphenylene	228	C18H12	000217-59-4	35





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Sample : N3488-01
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ClientSampleId :
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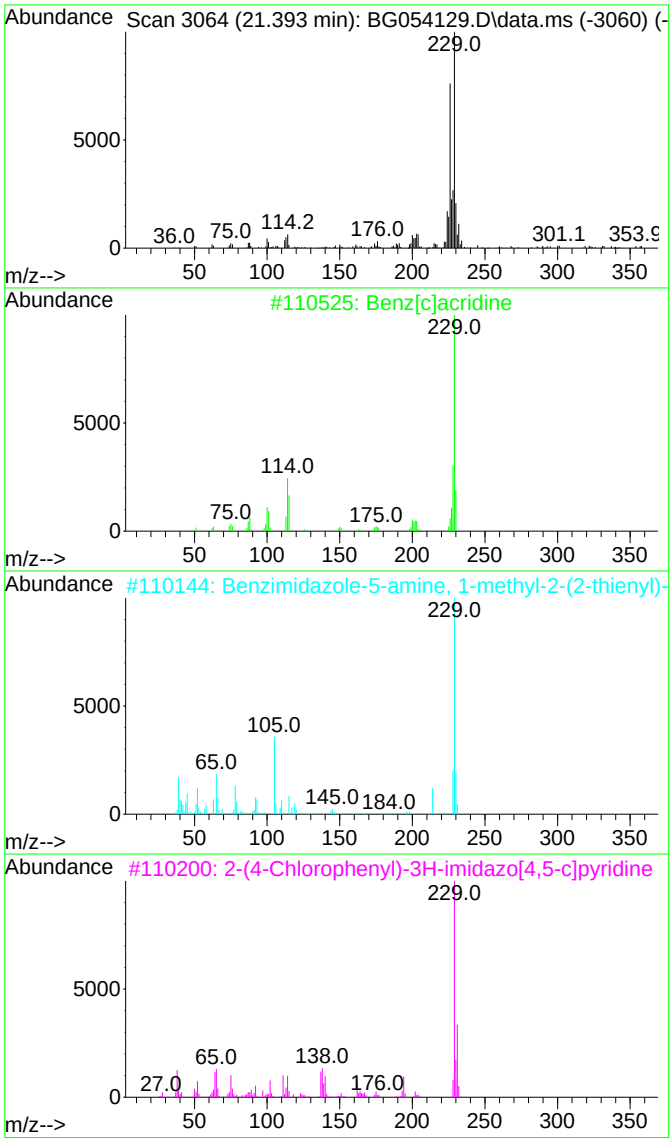
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

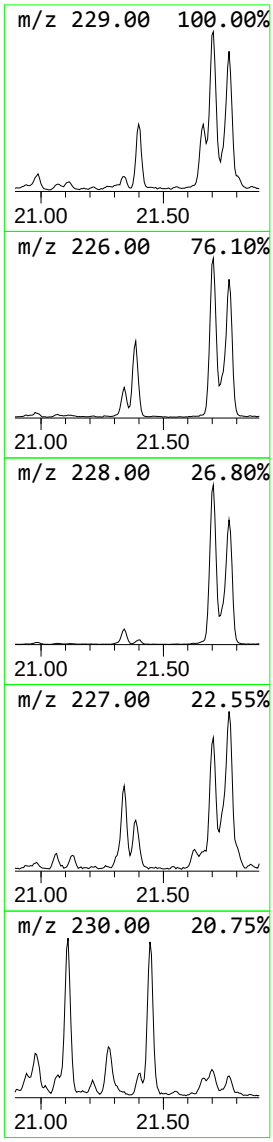
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 unknown21.393 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.393	2.78 ng	228532	Chrysene-d12	21.722

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[c]acridine	229	C17H11N	000225-51-4	38
2	Benzimidazole-5-amine, 1-methyl-...	229	C12H11N3S	021444-73-5	38
3	2-(4-Chlorophenyl)-3H-imidazo[4,...	229	C12H8ClN3	075007-94-2	35
4	Thiazole, 2-amino-4-(1H-indol-3-...	229	C12H11N3S	1000304-18-3	35
5	Naphtho(2,3-h)quinoline	229	C17H11N	000084-56-0	35





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Sample : N3488-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-9-0-2-20220623

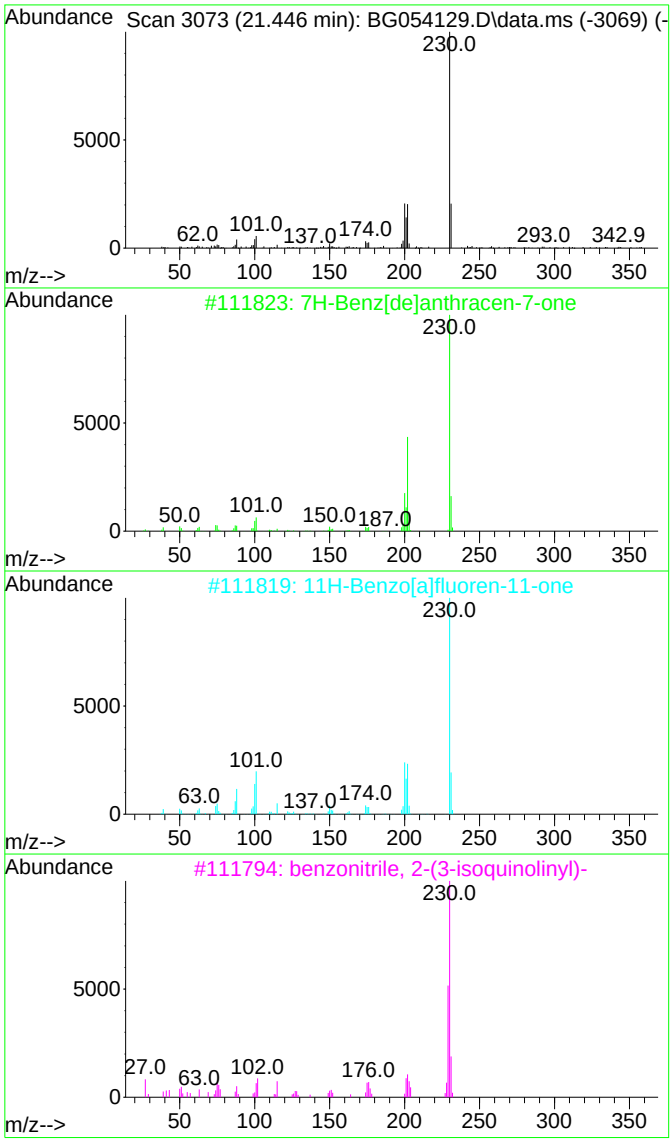
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

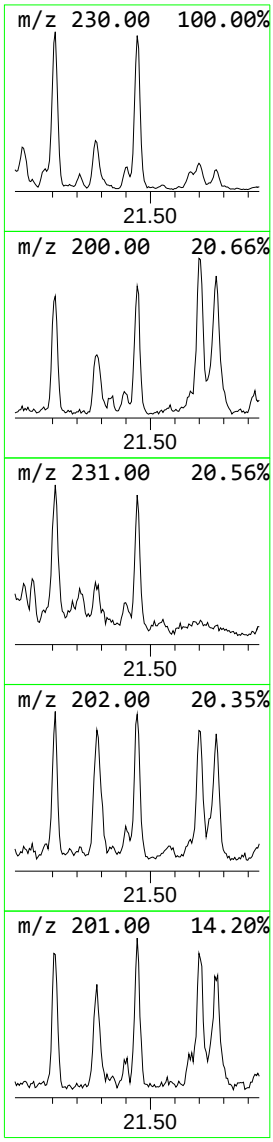
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 7H-Benz[de]anthracen-7-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.446	2.57 ng	211158	Chrysene-d12	21.722

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
2	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	87
3	benzonitrile, 2-(3-isoquinolinyl)-	230	C16H10N2	1000401-00-3	59
4	4-Isothiazolecarbonitrile, 3,5-b...	230	C8H10N2S3	024135-13-5	53
5	p-Terphenyl	230	C18H14	000092-94-4	50





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

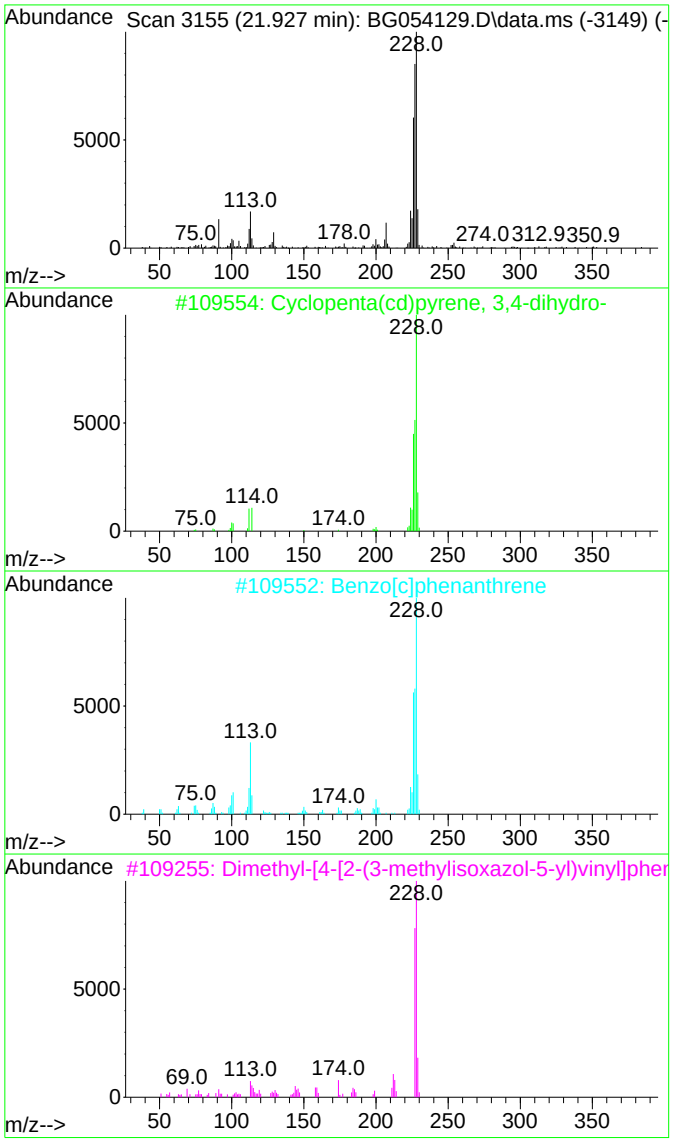
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

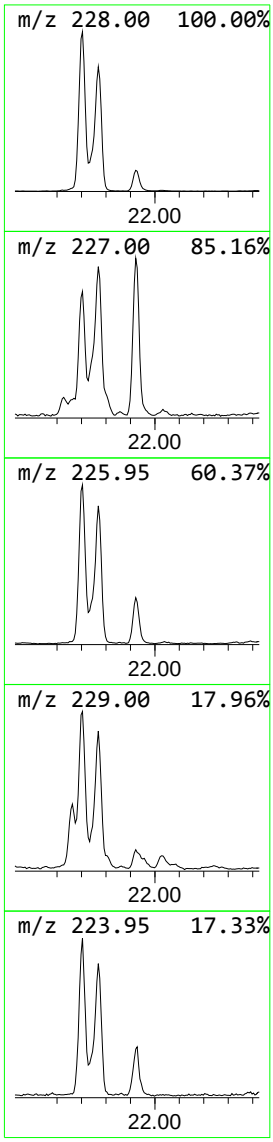
****

Peak Number 17 Benzo[c]phenanthrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.927	3.58 ng	294363	Chrysene-d12	21.722

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	64
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	53
3	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	50
4	Pyrazole-4-carboxaldehyde-, 3,5-...	228	C14H16N2O	1000272-54-8	50
5	Chrysene	228	C18H12	000218-01-9	41





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

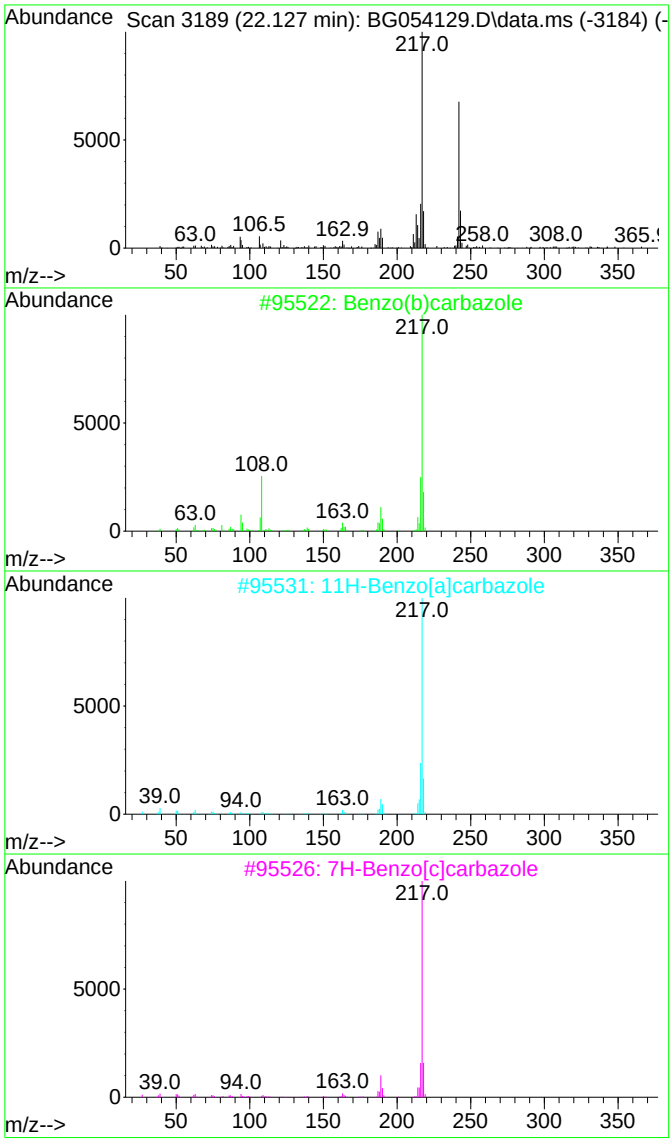
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

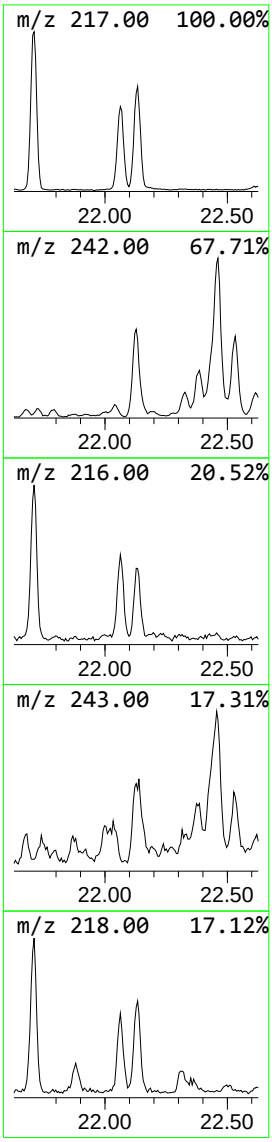
****

Peak Number 18 Benzo(b)carbazole Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.127	2.40 ng	197223	Chrysene-d12	21.722

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo(b)carbazole	217	C16H11N	000243-28-7	83
2	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	53
3	7H-Benzo[c]carbazole	217	C16H11N	000205-25-4	53
4	1-Aminopyrene	217	C16H11N	001606-67-3	49
5	3-Fluoranthenamine	217	C16H11N	002693-46-1	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062822\
Data File : BG054129.D
Acq On : 28 Jun 2022 22:47
Operator : CG/JU
Sample : N3488-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-9-0-2-20220623

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

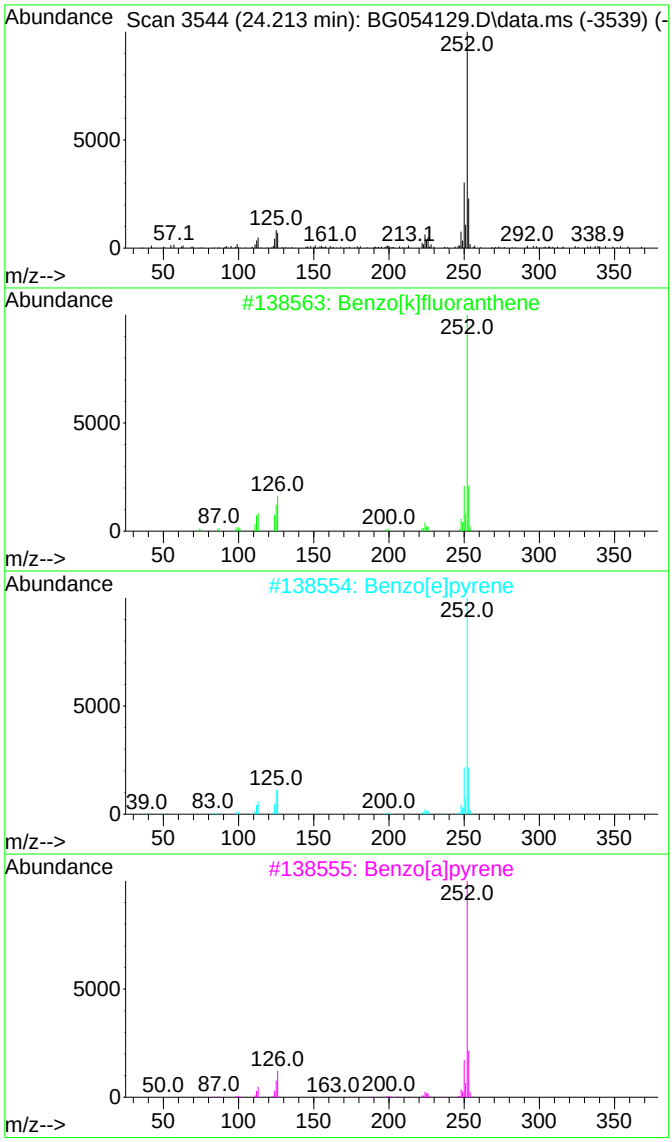
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

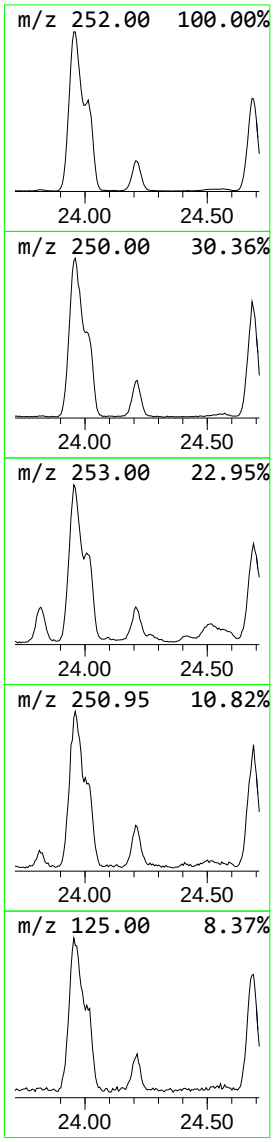
****

Peak Number 19 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.213	10.73 ng	183356	Perylene-d12	24.983

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
2	Benzo[e]pyrene	252	C20H12	000192-97-2	93
3	Benzo[a]pyrene	252	C20H12	000050-32-8	90
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	81
5	Perylene	252	C20H12	000198-55-0	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062822\
Data File : BG054129.D
Acq On : 28 Jun 2022 22:47
Operator : CG/JU
Sample : N3488-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-9-0-2-20220623

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.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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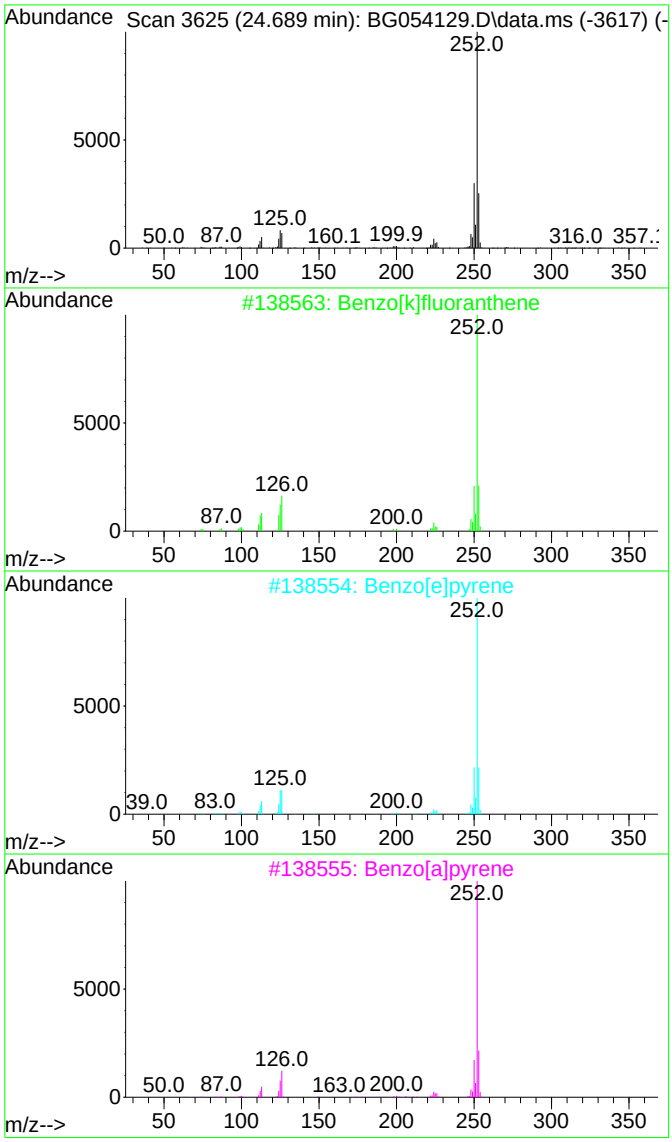
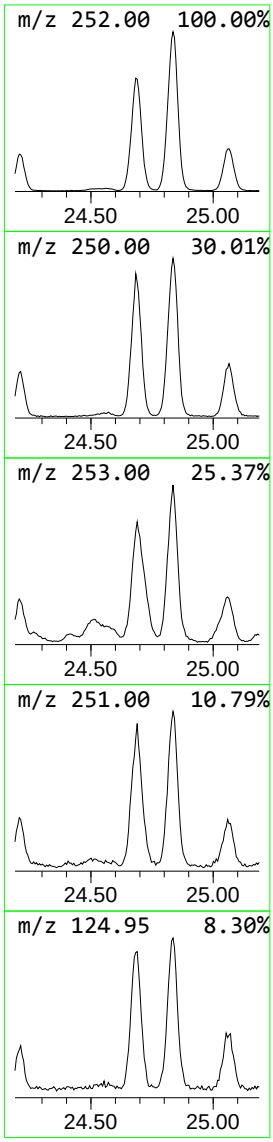
Peak Number 20 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.689	48.44 ng	827681	Perylene-d12	24.983

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
2	Benzo[e]pyrene	252	C20H12	000192-97-2	95
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	91
5	Perylene	252	C20H12	000198-55-0	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062822\
Data File : BG054129.D
Acq On : 28 Jun 2022 22:47
Operator : CG/JU
Sample : N3488-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-9-0-2-20220623

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.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
9H-Fluoren-9-one	17.092	2.3	ng	47948	4	17.444	413073	20.0
Anthracene, 2-m...	18.326	7.9	ng	162856	4	17.444	413073	20.0
Phenanthrene, 2...	18.367	6.5	ng	133781	4	17.444	413073	20.0
Anthracene, 1-m...	18.443	2.6	ng	54788	4	17.444	413073	20.0
4H-Cyclopenta[d...	18.514	9.9	ng	205484	4	17.444	413073	20.0
5,16[1',2']:8,1...	18.813	3.8	ng	77757	4	17.444	413073	20.0
9,10-Anthracene...	18.855	3.1	ng	64428	4	17.444	413073	20.0
Phenanthrene, 2...	19.231	3.5	ng	71399	4	17.444	413073	20.0
Cyclopenta(def)...	19.372	3.1	ng	63299	4	17.444	413073	20.0
Pyrene, 1-methyl-	20.182	2.4	ng	195718	5	21.722	1644570	20.0
11H-Benzo[a]flu...	20.347	5.1	ng	416869	5	21.722	1644570	20.0
11H-Benzo[b]flu...	20.447	2.5	ng	203167	5	21.722	1644570	20.0
Benzo[b]naphtho...	21.299	2.7	ng	220803	5	21.722	1644570	20.0
Cyclopenta(cd)p...	21.346	3.7	ng	307908	5	21.722	1644570	20.0
unknown21.393	21.393	2.8	ng	228532	5	21.722	1644570	20.0
7H-Benz[de]anth...	21.446	2.6	ng	211158	5	21.722	1644570	20.0
Benzo[c]phenant...	21.927	3.6	ng	294363	5	21.722	1644570	20.0
Benzo(b)carbazole	22.127	2.4	ng	197223	5	21.722	1644570	20.0
Benzo[e]pyrene	24.213	10.7	ng	183356	6	24.983	341737	20.0
Perylene	24.689	48.4	ng	827681	6	24.983	341737	20.0