LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062822\
Data File : BG054125.D
Acq On : 28 Jun 2022 20:10
Operator : CG/JU
Sample : N3488-06
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-11-0-2-20220623

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: BG054125.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.564	195	200	210	rBV	15569	28045	1.15%	0.104%
2	5.163	295	302	313	rVB	45827	78972	3.23%	0.292%
3	5.639	376	383	397	rBV	205804	352872	14.42%	1.304%
4	7.231	647	654	667	rBV	256090	453887	18.55%	1.677%
5	8.071	790	797	803	rBV	97846	170505	6.97%	0.630%
6	9.229	986	994	1002	rBV	160489	297631	12.16%	1.100%
7	10.880	1264	1275	1281	rBV	137253	260828	10.66%	0.964%
8	10.933	1281	1284	1291	rVB2	18097	28818	1.18%	0.106%
9	13.318	1680	1690	1698	rBV	485957	786475	32.15%	2.906%
10	14.699	1915	1925	1931	rBV	224526	373558	15.27%	1.380%
11	14.758	1931	1935	1942	rVB	71022	112514	4.60%	0.416%
12	15.092	1986	1992	2000	rBV	26504	41900	1.71%	0.155%
13	15.739	2096	2102	2111	rBV	56685	88933	3.63%	0.329%
14	16.179	2172	2177	2187	rBV	154343	245669	10.04%	0.908%
15	17.090	2327	2332	2340	rVB	28083	47214	1.93%	0.174%
16	17.190	2340	2349	2354	rBV6	16456	39772	1.63%	0.147%
17	17.260	2356	2361	2369	rVB	25413	45138	1.84%	0.167%
18	17.443	2385	2392	2395	rBV	290116	454388	18.57%	1.679%
19	17.484	2395	2399	2406	rVV	550063	878952	35.93%	3.248%
20	17.572	2406	2414	2420	rVV	144558	239237	9.78%	0.884%
21	17.631	2420	2424	2429	rVB	16257	28552	1.17%	0.106%
22	17.836	2449	2459	2465	rBV2	84815	167497	6.85%	0.619%
23	17.960	2472	2480	2486	rBV5	13637	26629	1.09%	0.098%
24	18.318	2532	2541	2545	rBV	66540	119044	4.87%	0.440%
25	18.365	2545	2549	2556	rVB	92612	147406	6.02%	0.545%
26	18.447	2557	2563	2568	rBV	39015	65995	2.70%	0.244%
27	18.512	2568	2574	2578	rBV2	147829	272740	11.15%	1.008%
28	18.618	2585	2592	2595	rBV3	15837	26318	1.08%	0.097%
29	18.812	2620	2625	2629	rBV	68433	105780	4.32%	0.391%
30	18.853	2629	2632	2638	rVB	48805	70744	2.89%	0.261%
31	19.058	2663	2667	2672	rBV	22381	25437	1.04%	0.094%
32	19.229	2690	2696	2701	rBV	44805	87964	3.60%	0.325%
33	19.293	2702	2707	2710	rBV3	18938	30296	1.24%	0.112%
34	19.370	2715	2720	2727	rBV2	50594	93439	3.82%	0.345%
35	19.493	2735	2741	2747	rBV	1370727	2113427	86.38%	7.810%
36	19.552	2747	2751	2754	rVV	21474	36309	1.48%	0.134%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062822\
Data File : BG054125.D
Acq On : 28 Jun 2022 20:10
Operator : CG/JU
Sample : N3488-06
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-11-0-2-20220623

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	19.587	2754	2757	2762	rVB2	36600	49793	2.04%	0.184%
38	19.681	2769	2773	2776	rBV5	17228	31139	1.27%	0.115%
39	19.734	2779	2782	2791	rVB	55032	104415	4.27%	0.386%
40	19.857	2791	2803	2810	rBV	1280426	2446619	100.00%	9.041%
41	19.922	2810	2814	2817	rBV2	46108	64899	2.65%	0.240%
42	19.957	2817	2820	2825	rVB2	30427	39746	1.62%	0.147%
43	20.045	2828	2835	2840	rBV	815513	1241219	50.73%	4.587%
44	20.092	2840	2843	2849	rVB	96603	139919	5.72%	0.517%
45	20.175	2851	2857	2858	rBV	94478	160590	6.56%	0.593%
46	20.228	2863	2866	2870	rVB	30350	38764	1.58%	0.143%
47	20.310	2873	2880	2881	rBV5	66347	117421	4.80%	0.434%
48	20.345	2882	2886	2891	rVB	242924	359205	14.68%	1.327%
49	20.445	2898	2903	2907	rBV	202723	297992	12.18%	1.101%
50	20.504	2907	2913	2916	rVV2	125053	232202	9.49%	0.858%
51	20.539	2916	2919	2923	rVB	84528	112830	4.61%	0.417%
52	20.580	2923	2926	2930	rVB2	32662	41252	1.69%	0.152%
53	20.645	2933	2937	2940	rBV	73092	97026	3.97%	0.359%
54	20.686	2941	2944	2948	rVV	74870	106652	4.36%	0.394%
55	20.727	2948	2951	2955	rVB3	40783	49884	2.04%	0.184%
56	20.903	2977	2981	2984	rBV2	59032	88178	3.60%	0.326%
57	21.109	3012	3016	3023	rVB	101151	166999	6.83%	0.617%
58	21.291	3041	3047	3051	rBV3	139265	276438	11.30%	1.022%
59	21.338	3051	3055	3059	rVV	154722	280698	11.47%	1.037%
60	21.391	3059	3064	3069	rVV2	153985	332133	13.58%	1.227%
61	21.444	3069	3073	3084	rVB2	109926	229543	9.38%	0.848%
62	21.702	3106	3117	3124	rBV3	991051	2431042	99.36%	8.984%
63	21.767	3124	3128	3140	rVB	705737	1330440	54.38%	4.917%
64	21.926	3149	3155	3161	rBV	170343	311998	12.75%	1.153%
65	22.125	3184	3189	3197	rBV2	134770	260892	10.66%	0.964%
66	22.736	3289	3293	3296	rBV2	52034	86789	3.55%	0.321%
67	22.877	3311	3317	3332	rVB6	83091	290454	11.87%	1.073%
68	23.959	3491	3501	3508	rBV	604412	2100895	85.87%	7.764%
69	24.211	3538	3544	3551	rVB	95438	222785	9.11%	0.823%
70	24.687	3616	3625	3638	rVB	340295	1090316	44.56%	4.029%
71	24.834	3640	3650	3664	rVB	469085	1415983	57.88%	5.233%
72	24.987	3668	3676	3683	rVV2	164636	542766	22.18%	2.006%
73	25.063	3685	3689	3703	rVB2	139166	418159	17.09%	1.545%
74	28.735	4303	4314	4335	rVB2	203267	1009173	41.25%	3.729%

Sum of corrected areas: 27060133

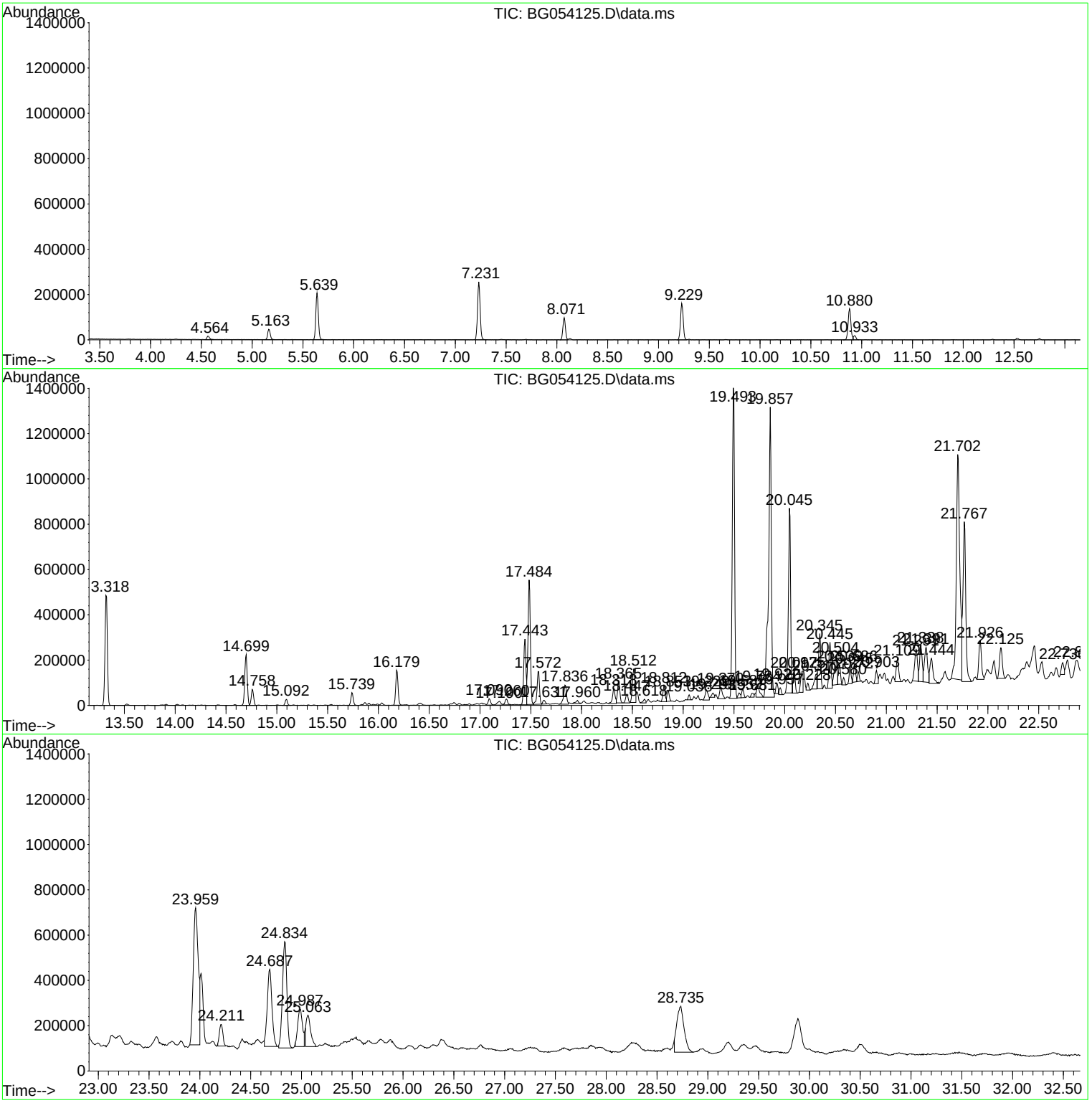
Instrument :
BNA_G
ClientSampleId :
SB-11-0-2-20220623

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062822\
Data File : BG054125.D
Acq On : 28 Jun 2022 20:10
Operator : CG/JU
Sample : N3488-06
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-11-0-2-20220623

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 : BG054125.D
Acq On : 28 Jun 2022 20:10
Operator : CG/JU
Sample : N3488-06
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-11-0-2-20220623

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

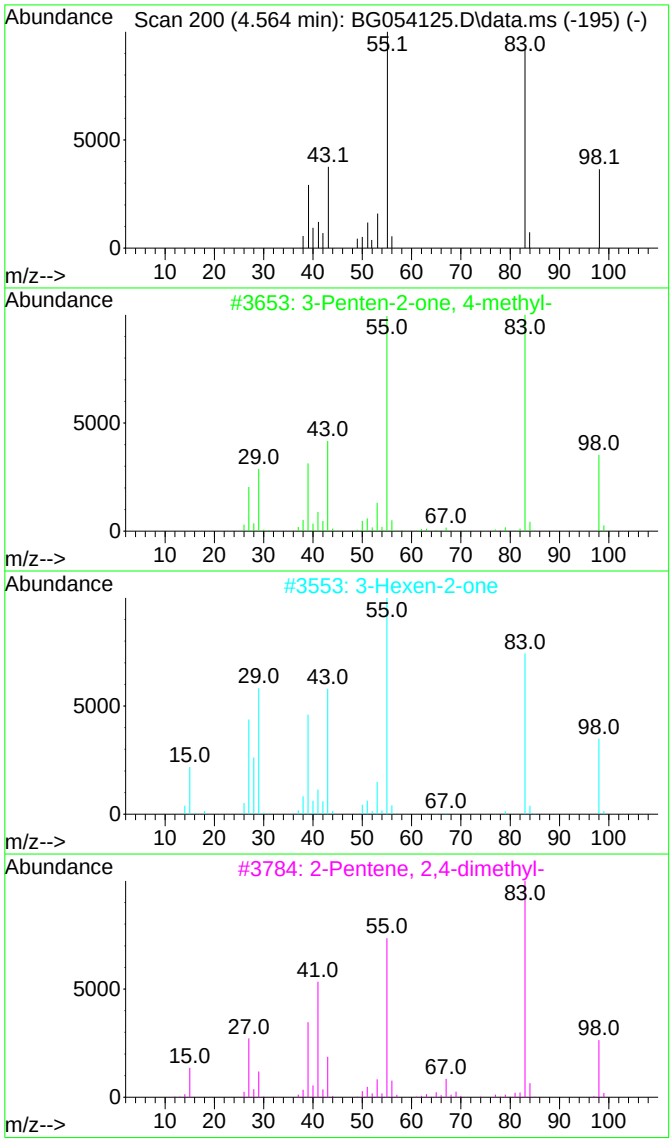
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

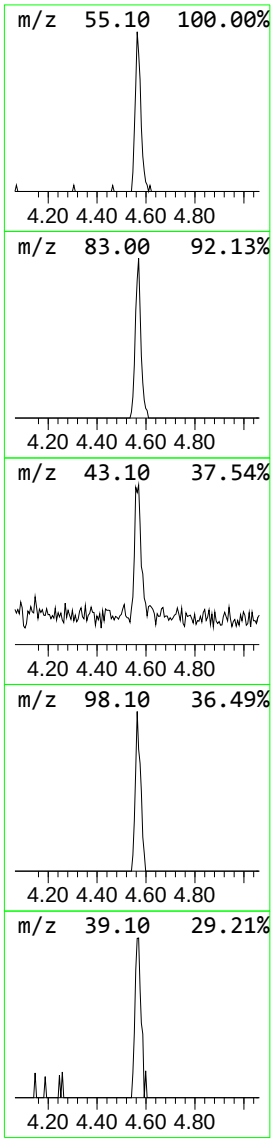
****

Peak Number 1 3-Penten-2-one, 4-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.564	3.29 ng	28045	1,4-Dichlorobenzene-d4	8.071

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	90
2	3-Hexen-2-one	98	C6H10O	000763-93-9	87
3	2-Pentene, 2,4-dimethyl-	98	C7H14	000625-65-0	80
4	2-Pentene, 4,4-dimethyl-, (E)-	98	C7H14	000690-08-4	80
5	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	78





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062822\
Data File : BG054125.D
Acq On : 28 Jun 2022 20:10
Operator : CG/JU
Sample : N3488-06
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-11-0-2-20220623

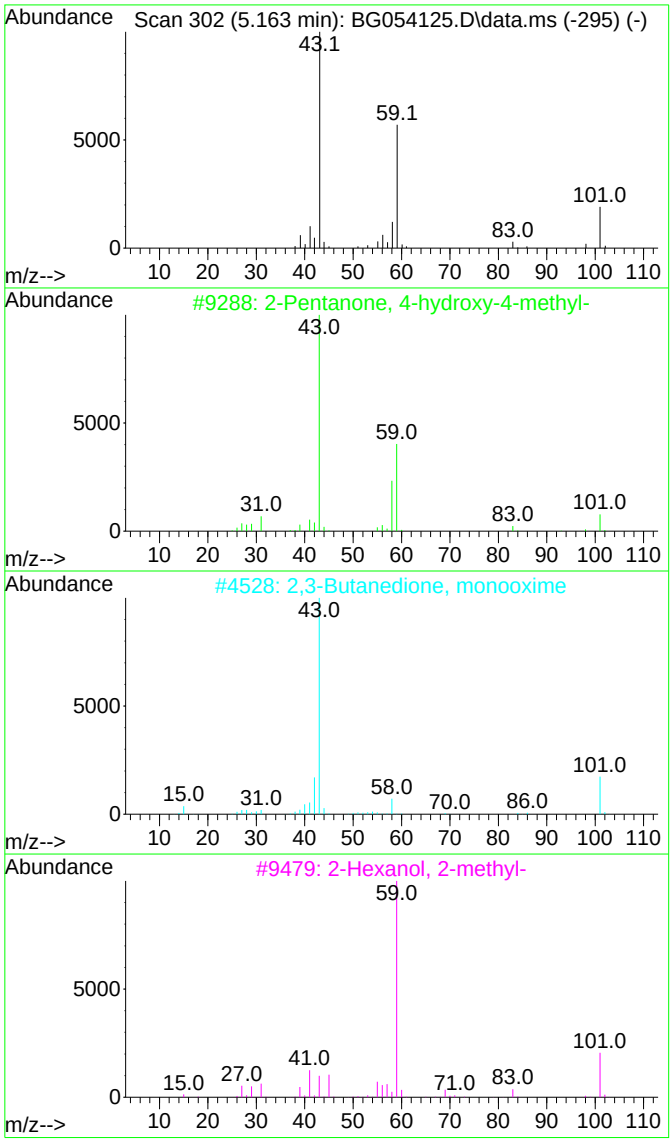
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

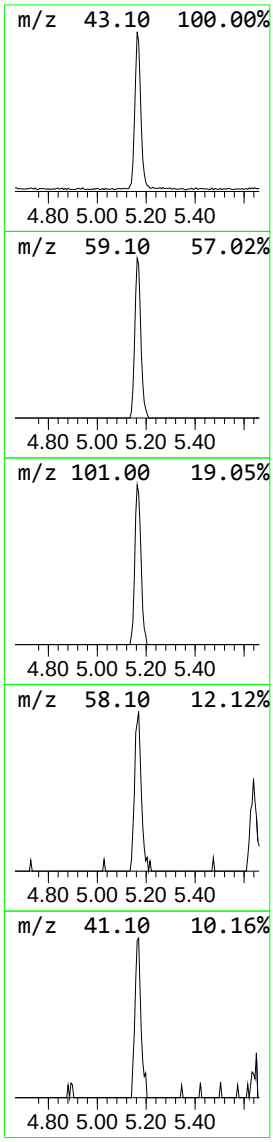
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.163	9.26 ng	78972	1,4-Dichlorobenzene-d4	8.071

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	38
3	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
4	1,8-Nonanediol, 8-methyl-	174	C10H22O2	054725-73-4	23
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062822\
Data File : BG054125.D
Acq On : 28 Jun 2022 20:10
Operator : CG/JU
Sample : N3488-06
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-11-0-2-20220623

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

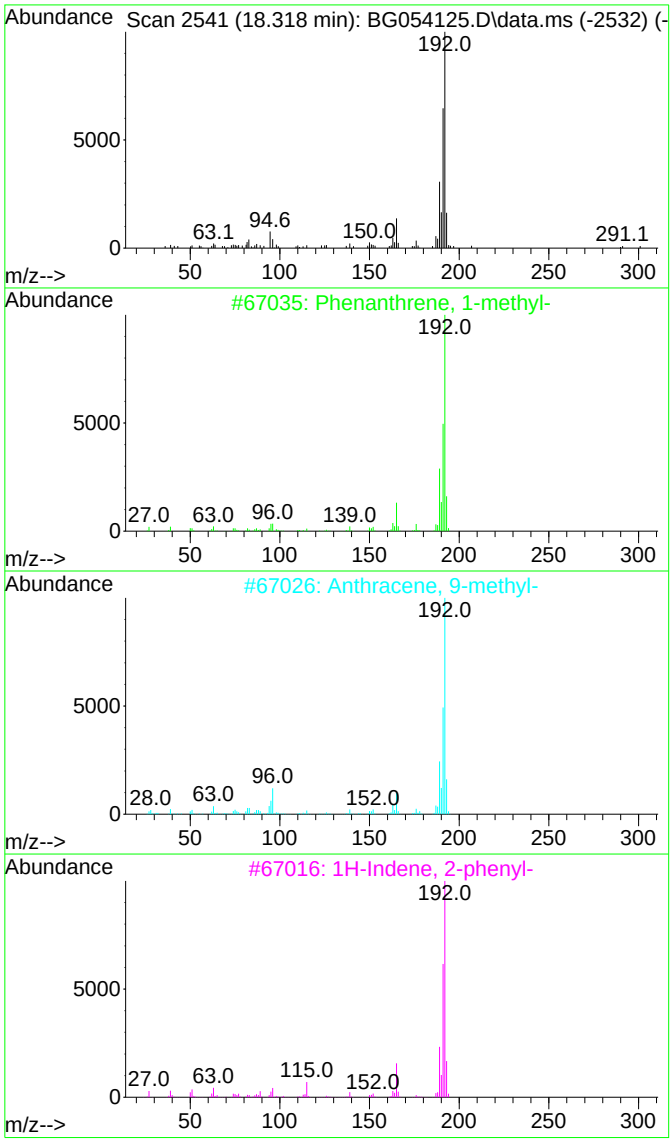
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

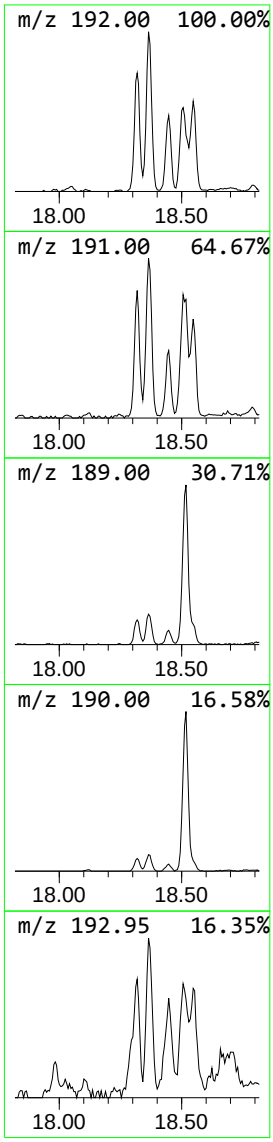
****

Peak Number 3 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.318	5.24 ng	119044	Phenanthrene-d10	17.443

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062822\
Data File : BG054125.D
Acq On : 28 Jun 2022 20:10
Operator : CG/JU
Sample : N3488-06
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-11-0-2-20220623

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

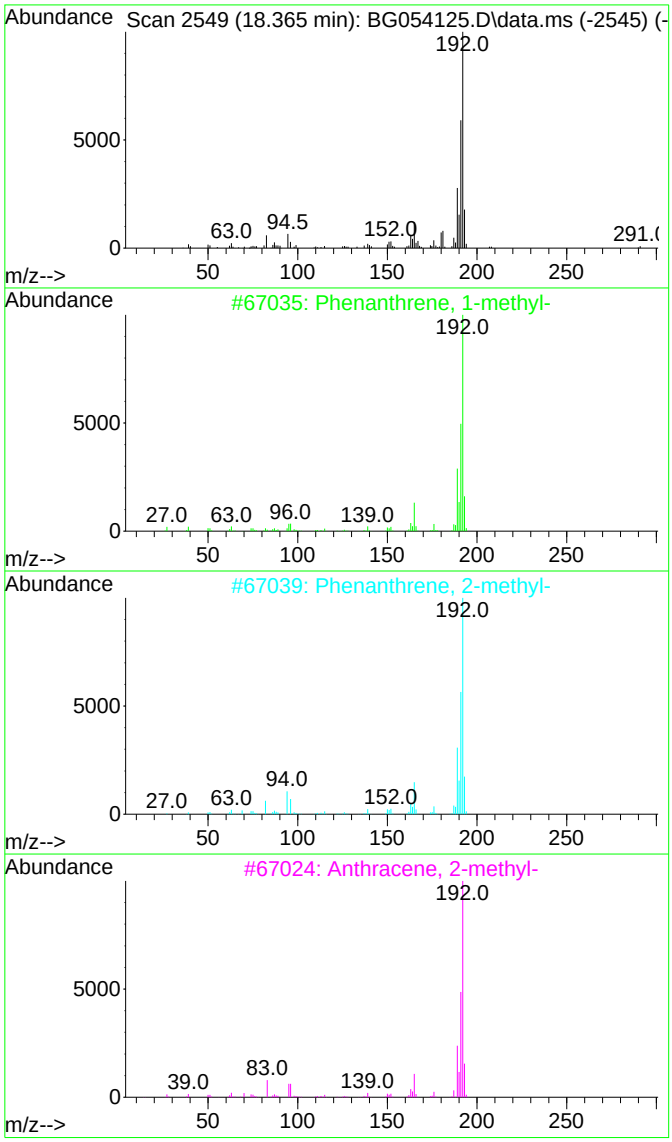
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

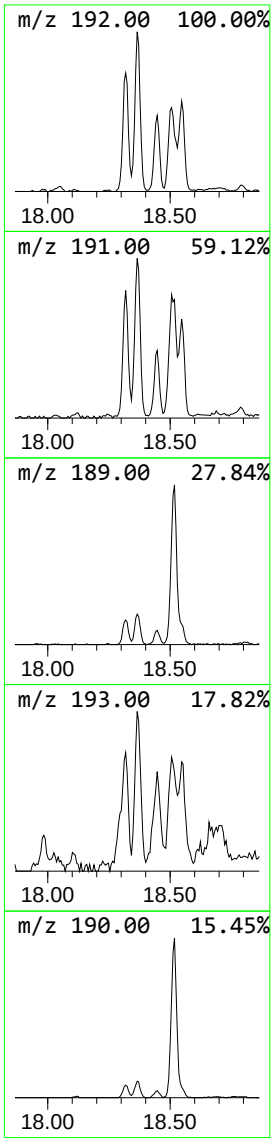
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.365	6.49 ng	147406	Phenanthrene-d10	17.443

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	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062822\
Data File : BG054125.D
Acq On : 28 Jun 2022 20:10
Operator : CG/JU
Sample : N3488-06
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-11-0-2-20220623

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

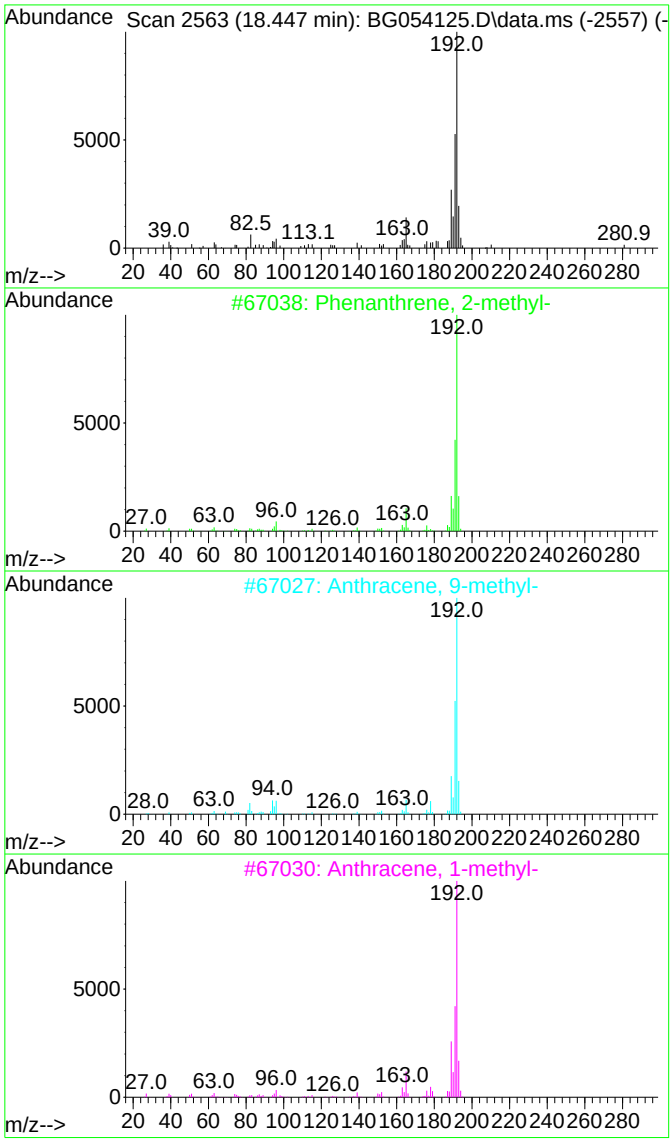
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

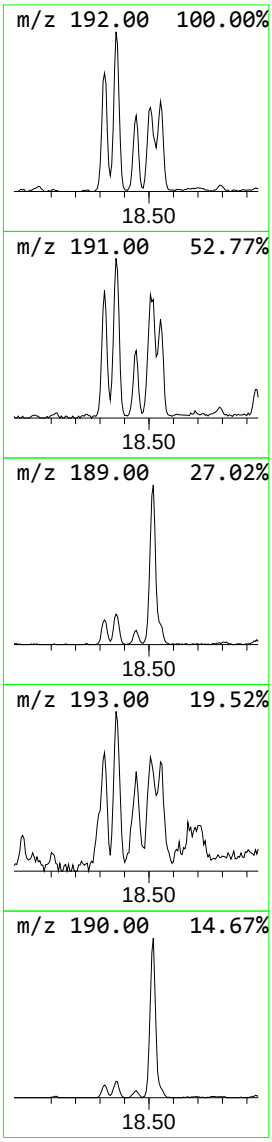
****

Peak Number 5 Anthracene, 9-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.447	2.90 ng	65995	Phenanthrene-d10	17.443

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062822\
Data File : BG054125.D
Acq On : 28 Jun 2022 20:10
Operator : CG/JU
Sample : N3488-06
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-11-0-2-20220623

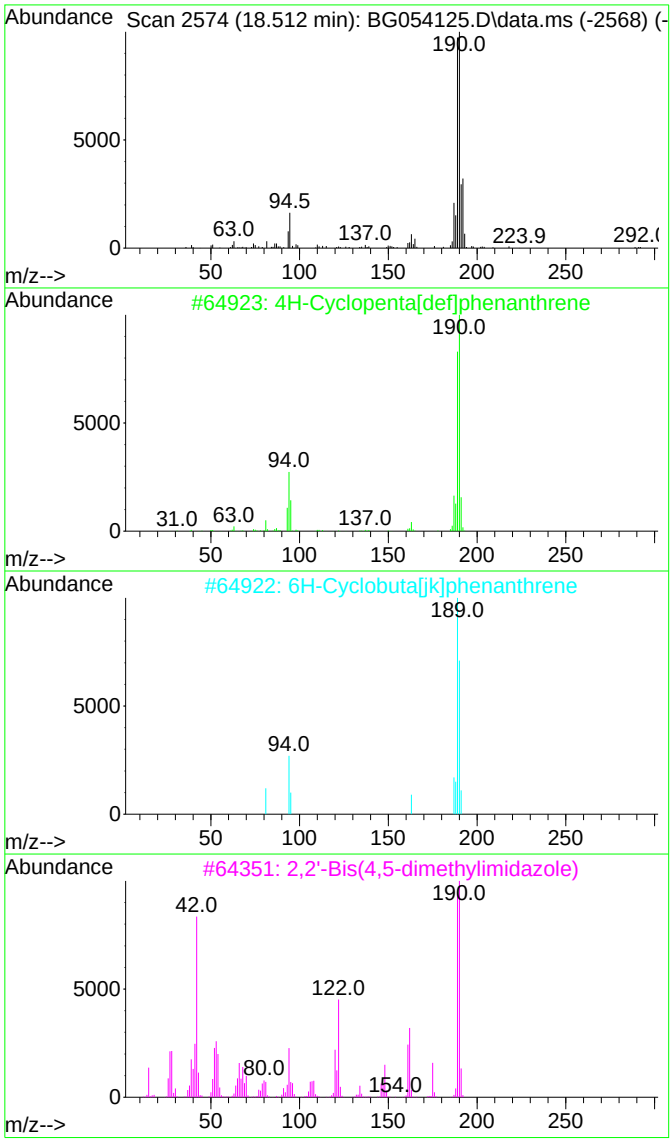
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG061322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

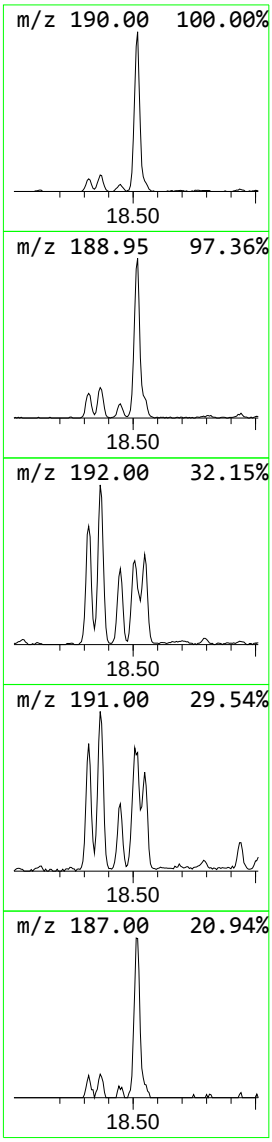
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.512	12.00 ng	272740	Phenanthrene-d10	17.443

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	83
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
4	Cyclohexanone, 2-(2-furanylmethy...	190	C12H14O2	056053-07-7	27
5	Carbonic acid, 2-formyl-4,6-dich...	276	C11H10Cl2O4	1000331-39-3	23





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062822\
Data File : BG054125.D
Acq On : 28 Jun 2022 20:10
Operator : CG/JU
Sample : N3488-06
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-11-0-2-20220623

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

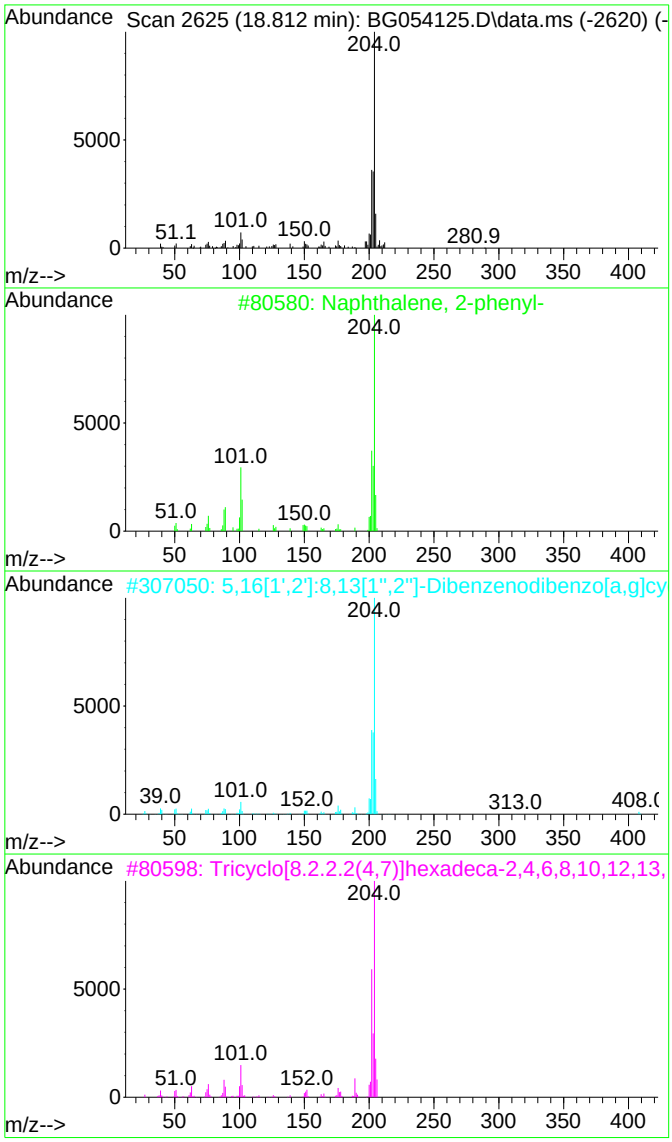
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

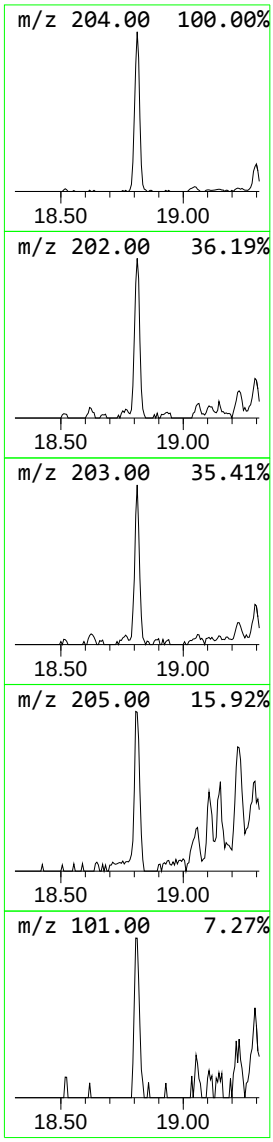
****

Peak Number 7 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.812	4.66 ng	105780	Phenanthrene-d10	17.443

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	68
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	52
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	52





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Acq On : 28 Jun 2022 20:10
Operator : CG/JU
Sample : N3488-06
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
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ClientSampleId :
SB-11-0-2-20220623

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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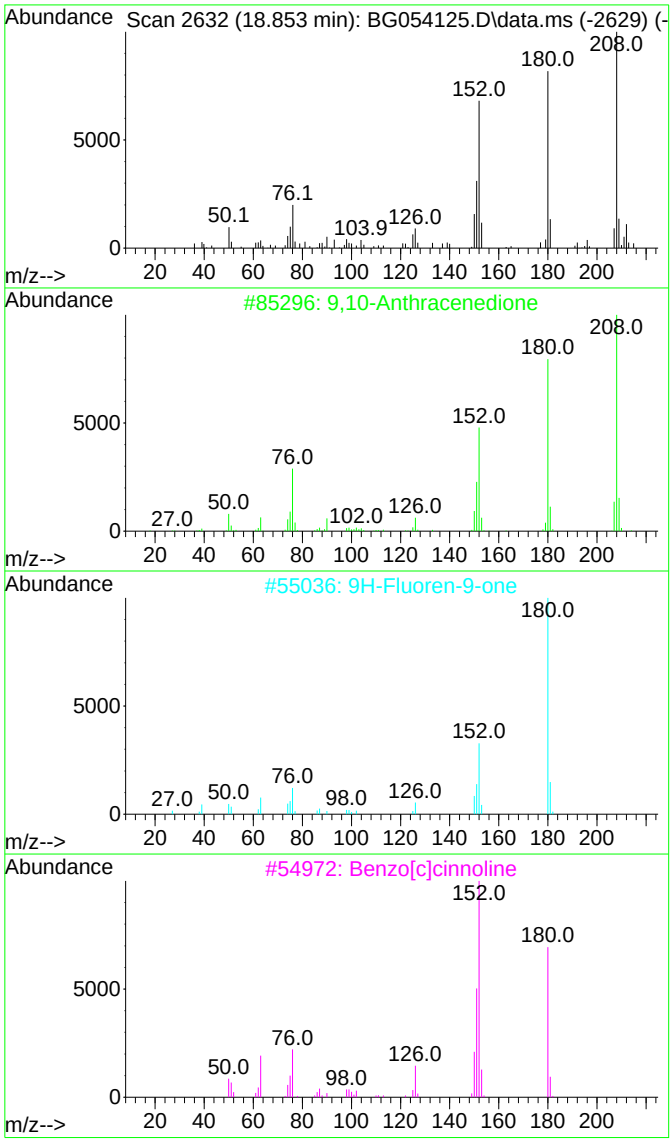
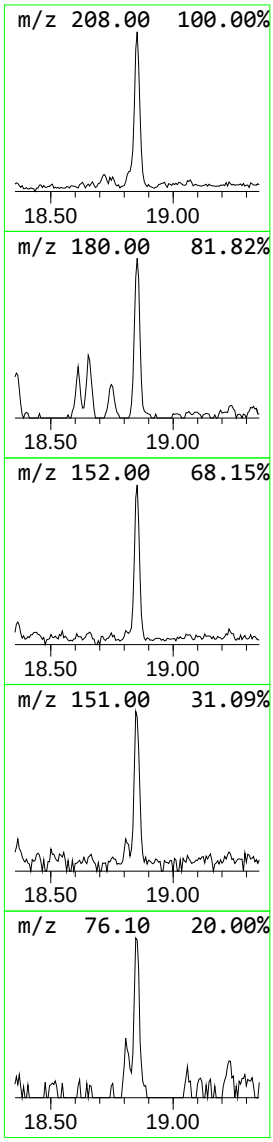
Peak Number 8 9,10-Anthracenedione Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.853	3.11 ng	70744	Phenanthrene-d10	17.443

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	60
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	55
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	50
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	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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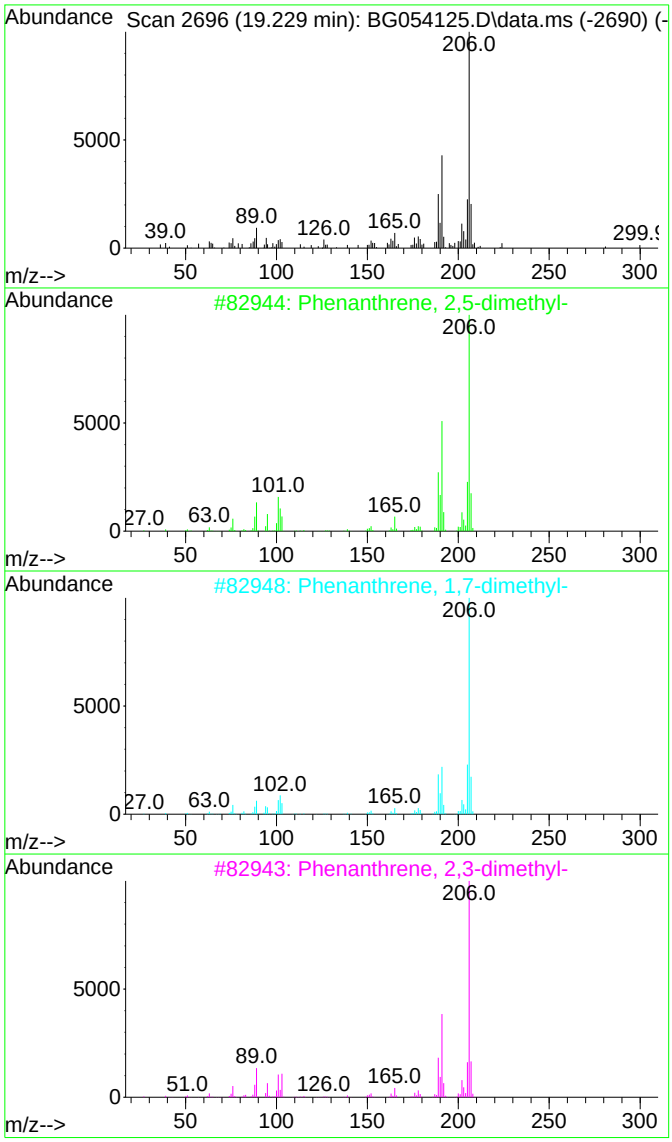
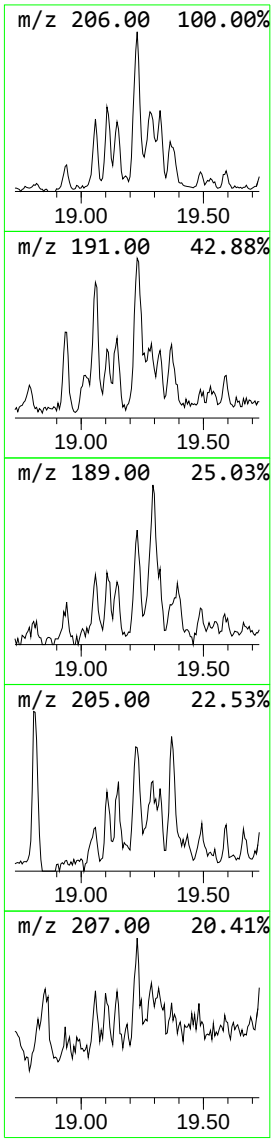
Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.229	3.87 ng	87964	Phenanthrene-d10	17.443

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	89
5	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	87





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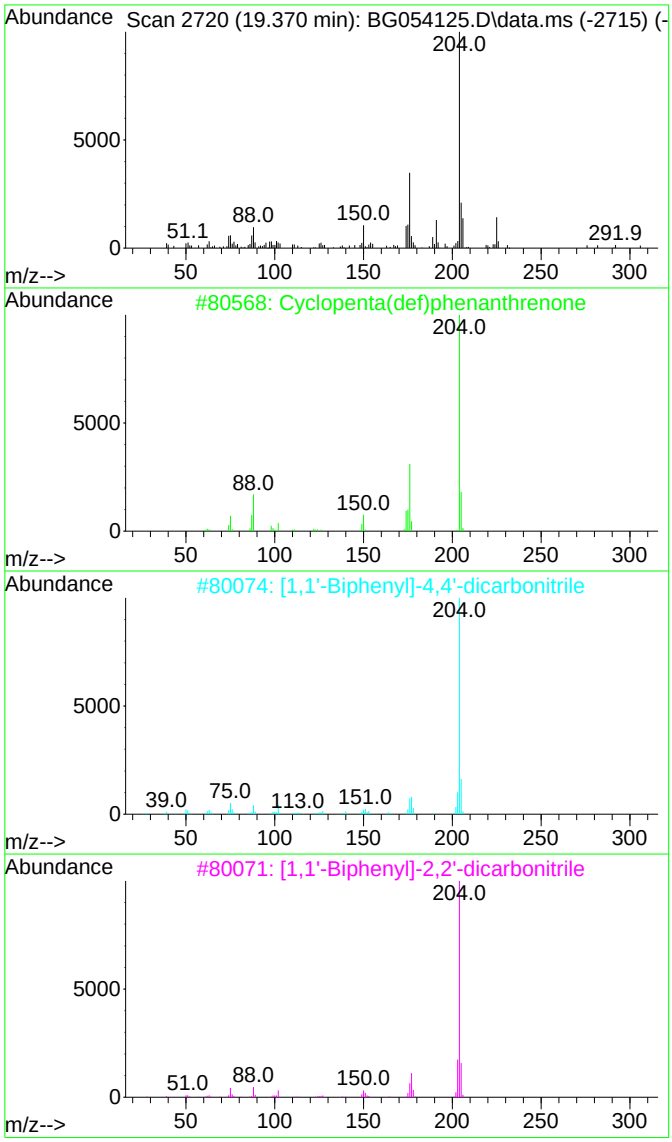
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

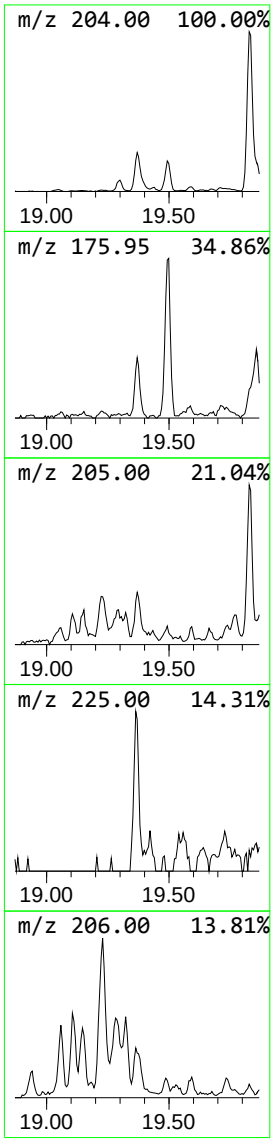
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.370	4.11 ng	93439	Phenanthrene-d10	17.443

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	87
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	59
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	50
4	L-Rhamnose, (R,R,S,S)-, 4TMS der...	452	C18H44O5Si4	108392-01-4	47
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	47





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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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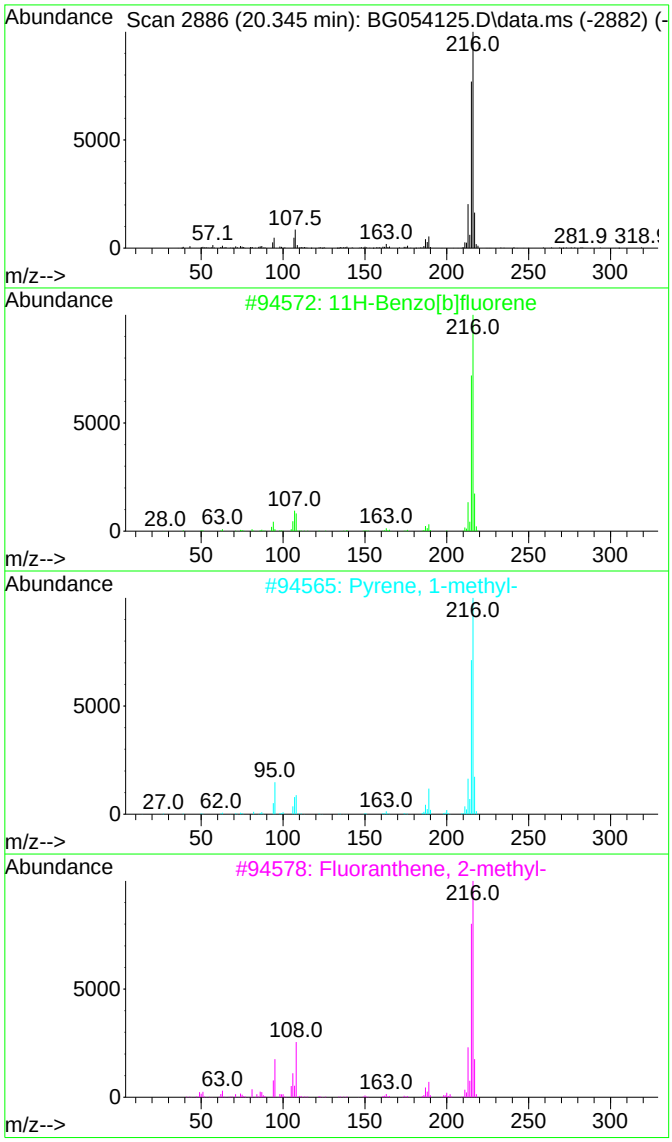
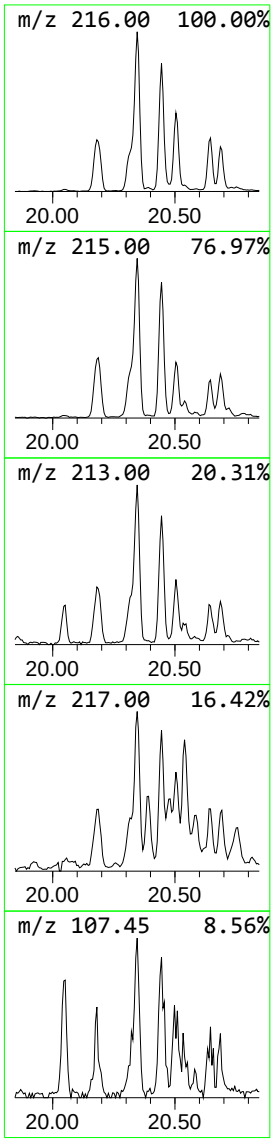
Peak Number 11 11H-Benzo[b]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.345	2.96 ng	359205	Chrysene-d12	21.720

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91





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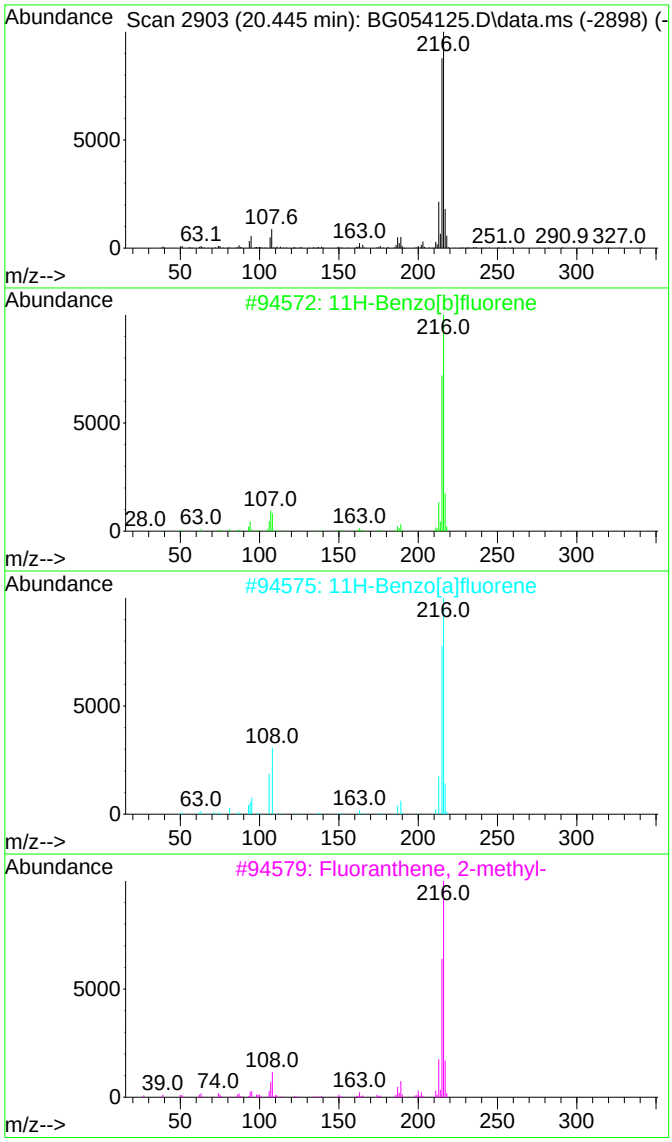
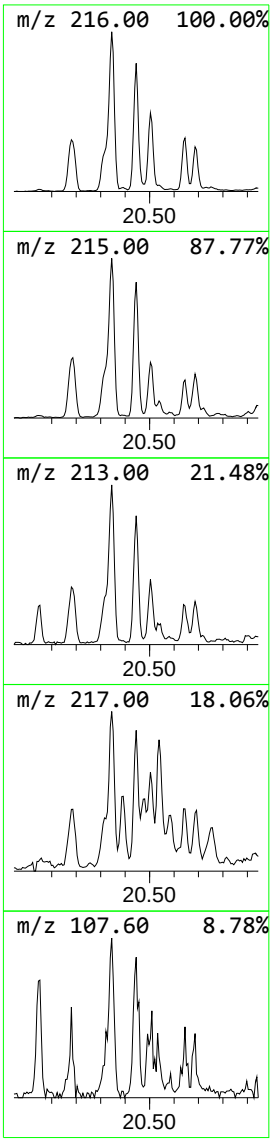
Peak Number 12 11H-Benzo[a]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.445	2.45 ng	297992	Chrysene-d12	21.720

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	86
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
4	Benzoic acid, 3-(3,5-dimethyl-1-...	216	C12H12N2O2	312531-88-7	72
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	70





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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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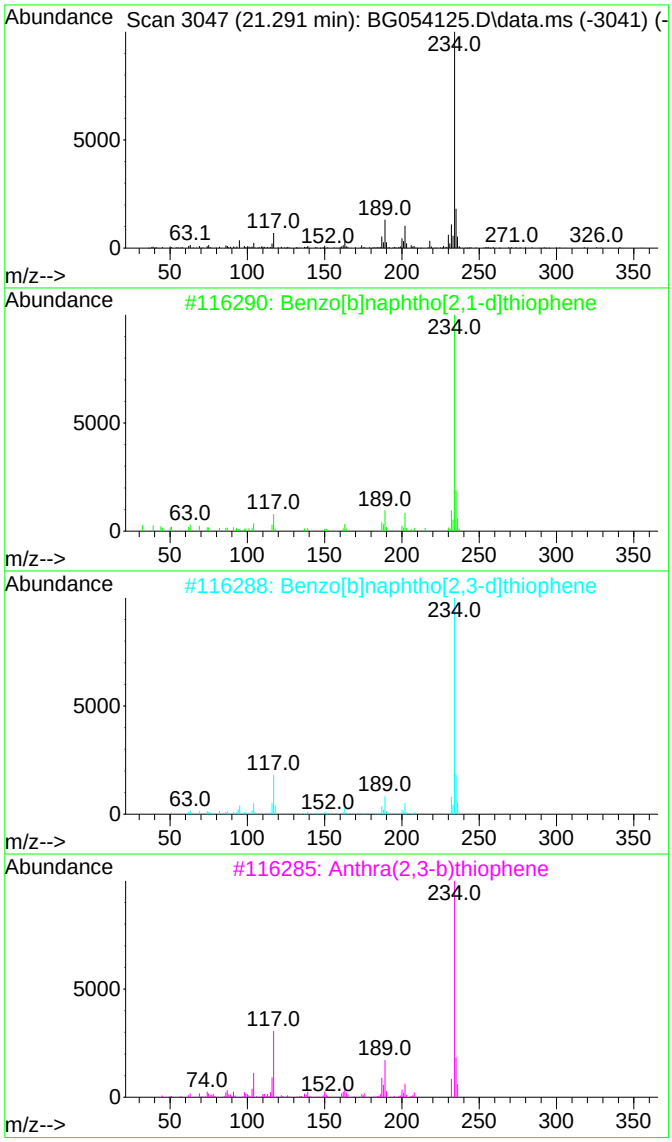
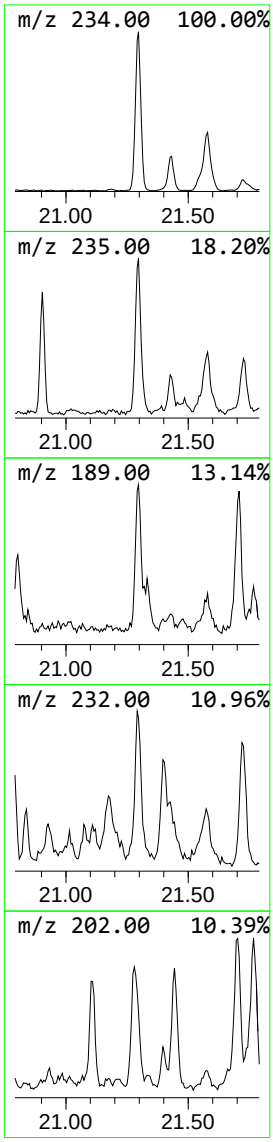
Peak Number 13 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.291	2.27 ng	276438	Chrysene-d12	21.720

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93
3	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	83
4	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	83
5	Phenanthro(2,1-b)thiophene	234	C16H10S	000219-25-0	68





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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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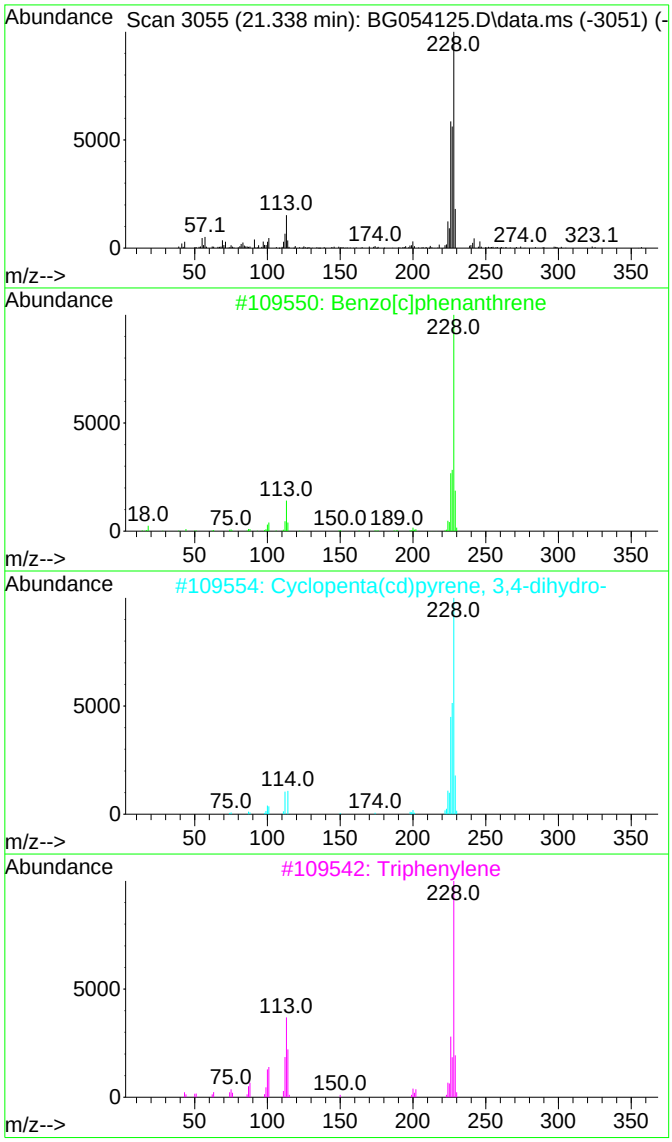
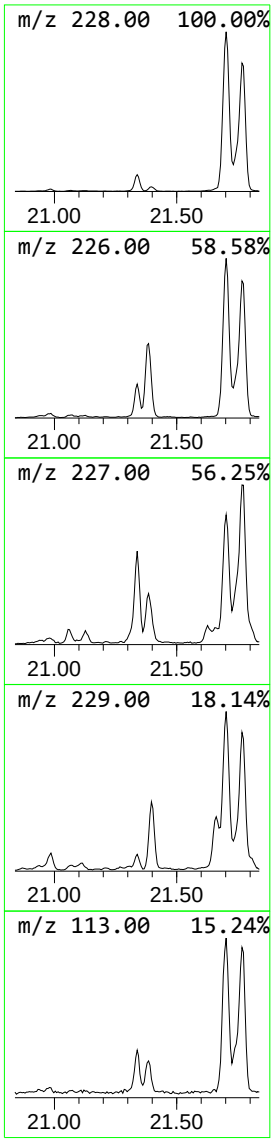
Peak Number 14 Benzo[c]phenanthrene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.338	2.31 ng	280698	Chrysene-d12	21.720

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene	228	C18H12	000195-19-7	58
2	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	52
3	Triphenylene	228	C18H12	000217-59-4	49
4	Chrysene	228	C18H12	000218-01-9	49
5	5-Phenylthieno[2,3-d]pyrimidin-4-ol	228	C12H8N2OS	035978-39-3	49





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TIC Library : C:\Database\NIST20.L
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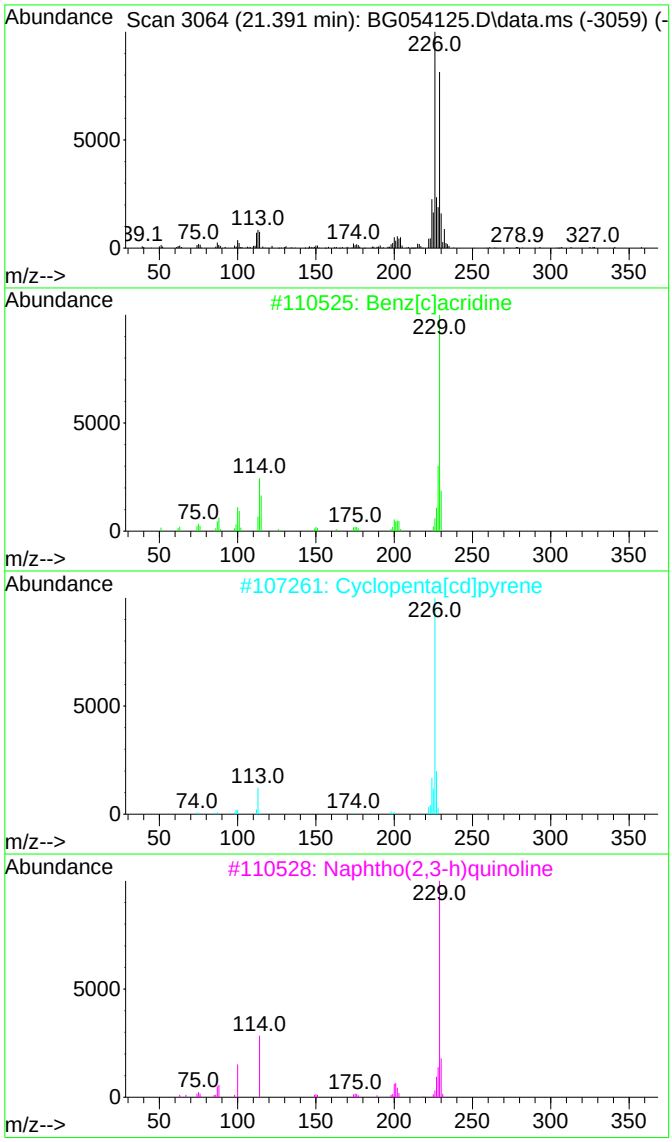
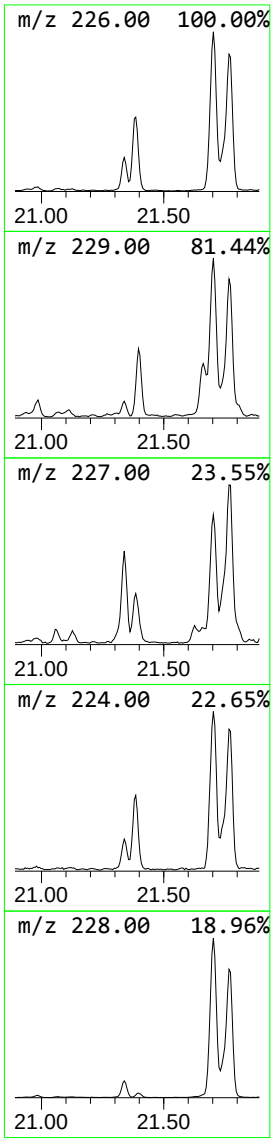
Peak Number 15 Benz[c]acridine Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.391	2.73 ng	332133	Chrysene-d12	21.720

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[c]acridine	229	C17H11N	000225-51-4	46
2	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	38
3	Naphtho(2,3-h)quinoline	229	C17H11N	000084-56-0	38
4	Benzene, 1-bromo-4-isothiocyanat...	227	C8H6BrNS	071672-88-3	35
5	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	35





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TIC Library : C:\Database\NIST20.L
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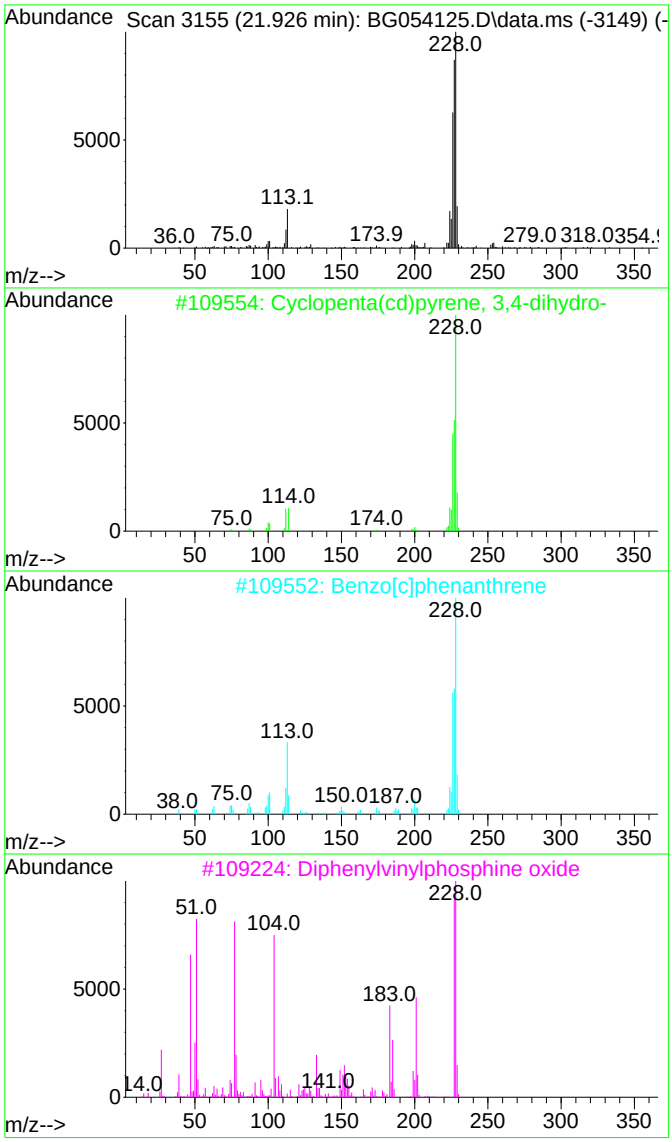
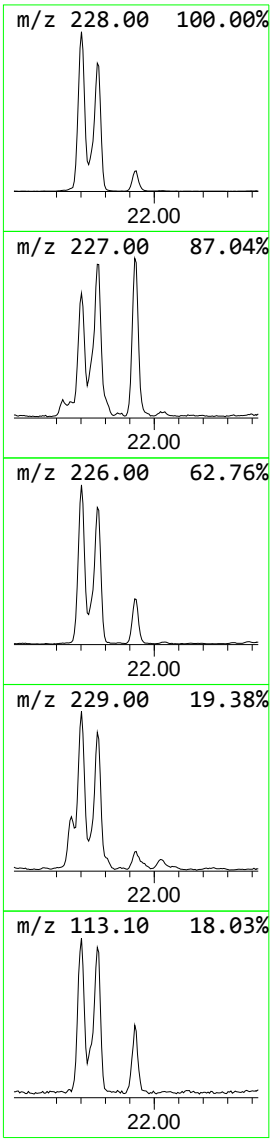
Peak Number 16 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.926	2.57 ng	311998	Chrysene-d12	21.720

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	92
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	64
3	Diphenylvinylphosphine oxide	228	C14H13OP	002096-78-8	53
4	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	53
5	1(2H)-Phenanthrenone, 3,4,9,10-t...	228	C15H16O2	014427-61-3	53





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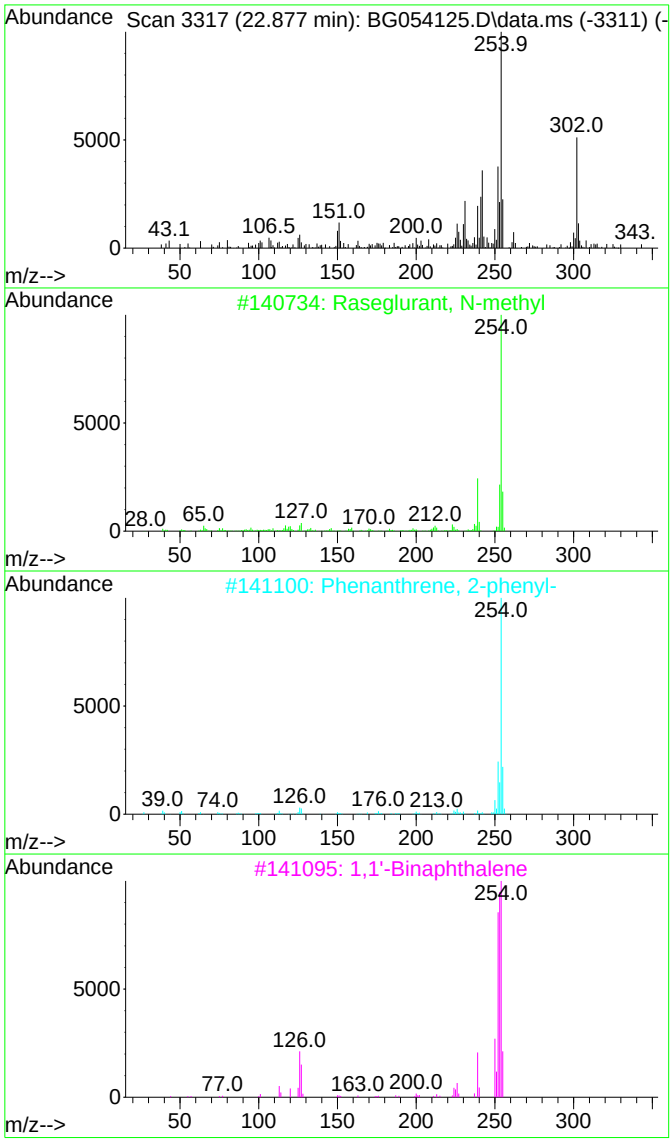
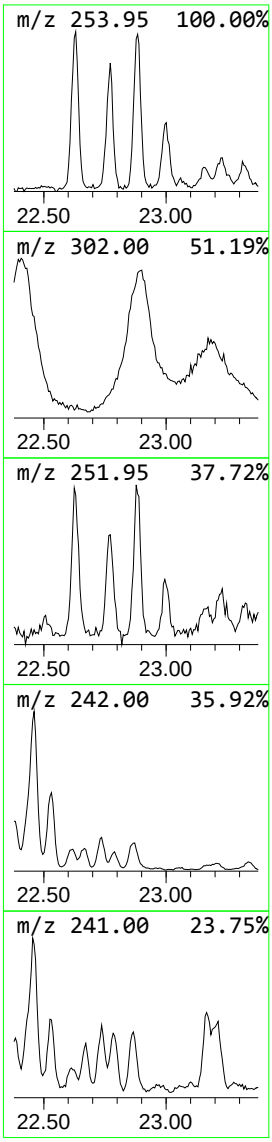
Peak Number 17 unknown22.877 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.877	2.39 ng	290454	Chrysene-d12	21.720

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Raseglurant, N-methyl	254	C16H15FN2	1000498-91-9	45
2	Phenanthrene, 2-phenyl-	254	C20H14	004325-77-3	41
3	1,1'-Binaphthalene	254	C20H14	000604-53-5	38
4	2,2'-Binaphthalene	254	C20H14	000612-78-2	38
5	2,6-(Etheno[1,4]benzenoetheno)na...	254	C20H14	117054-70-3	35





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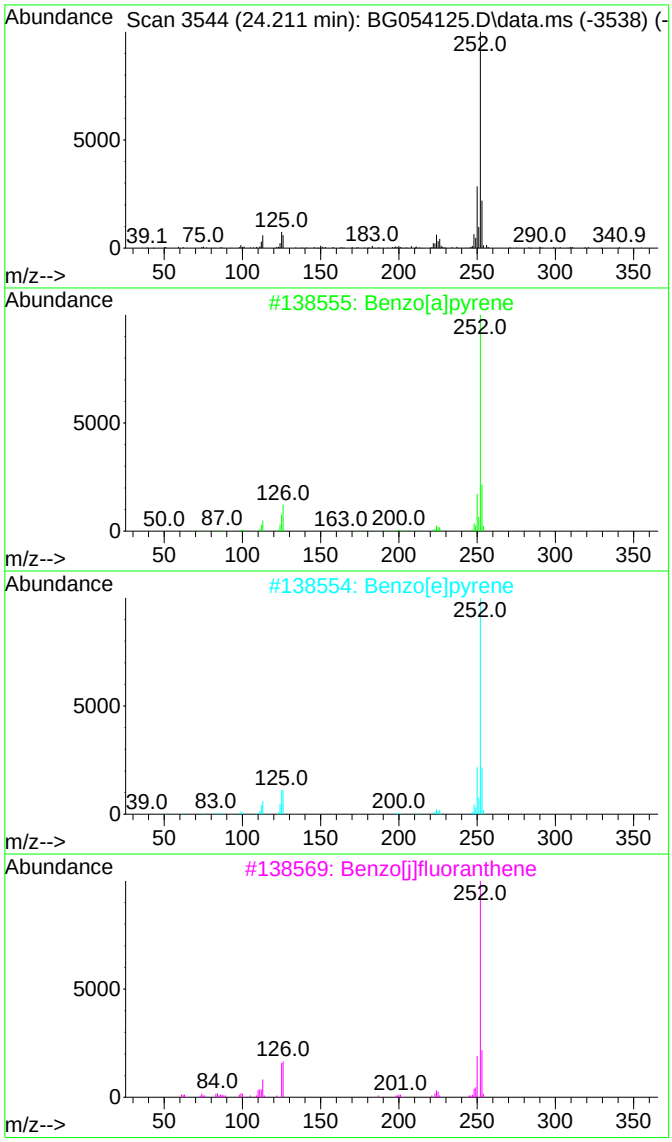
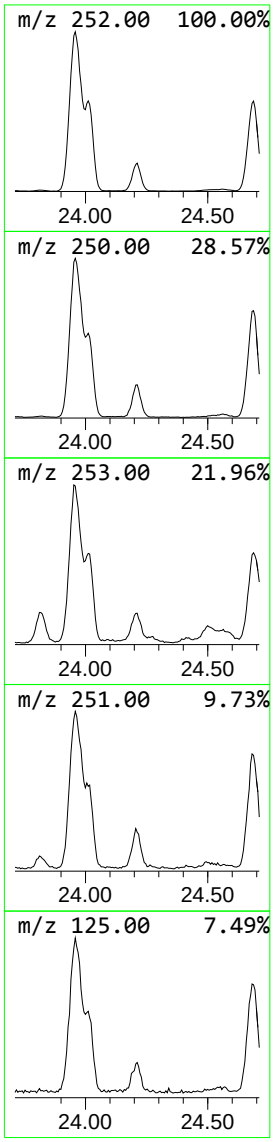
Peak Number 18 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.211	8.21 ng	222785	Perylene-d12	24.987

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	81
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	76
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	74
5	Perylene	252	C20H12	000198-55-0	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062822\
Data File : BG054125.D
Acq On : 28 Jun 2022 20:10
Operator : CG/JU
Sample : N3488-06
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-11-0-2-20220623

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

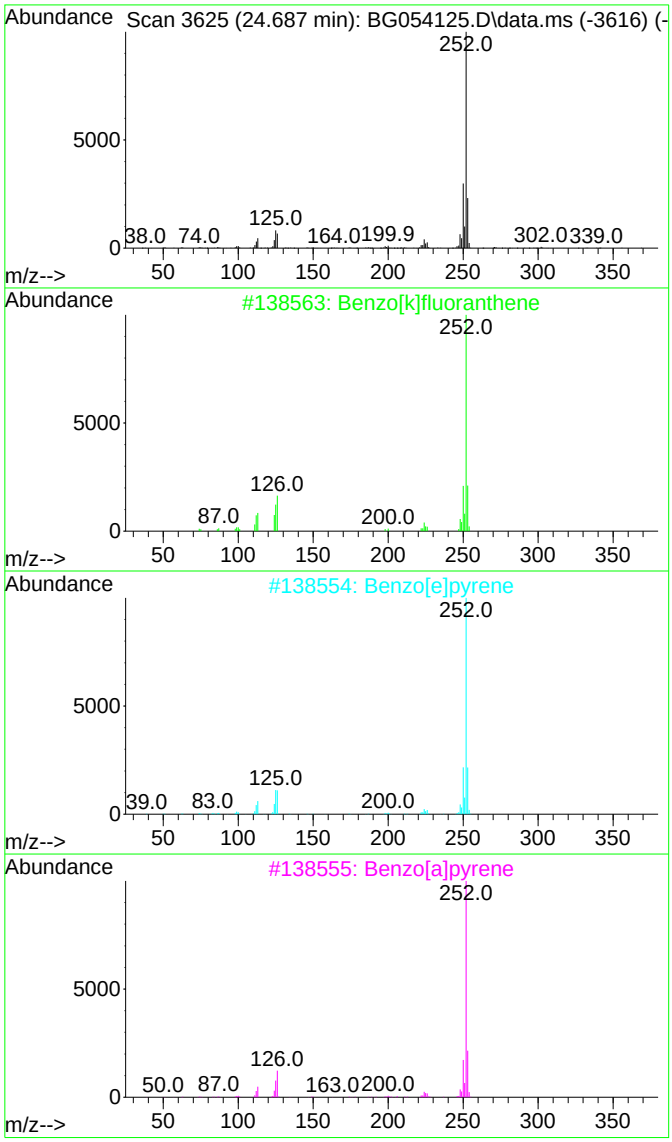
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

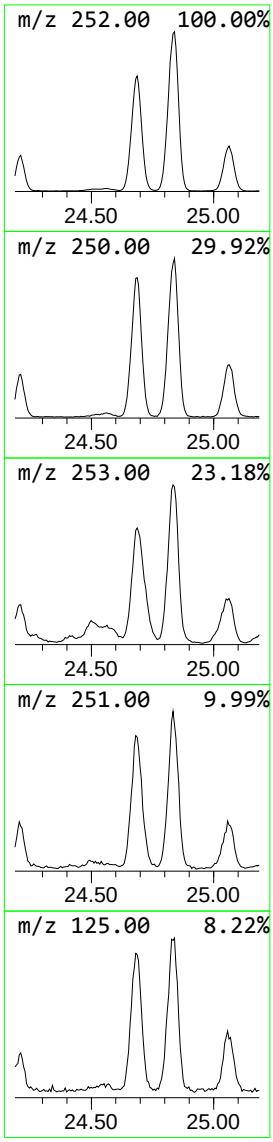
****

Peak Number 19 Benzo[j]fluoranthene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.687	40.18 ng	1090320	Perylene-d12	24.987

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
2	Benzo[e]pyrene	252	C20H12	000192-97-2	95
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062822\
Data File : BG054125.D
Acq On : 28 Jun 2022 20:10
Operator : CG/JU
Sample : N3488-06
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-11-0-2-20220623

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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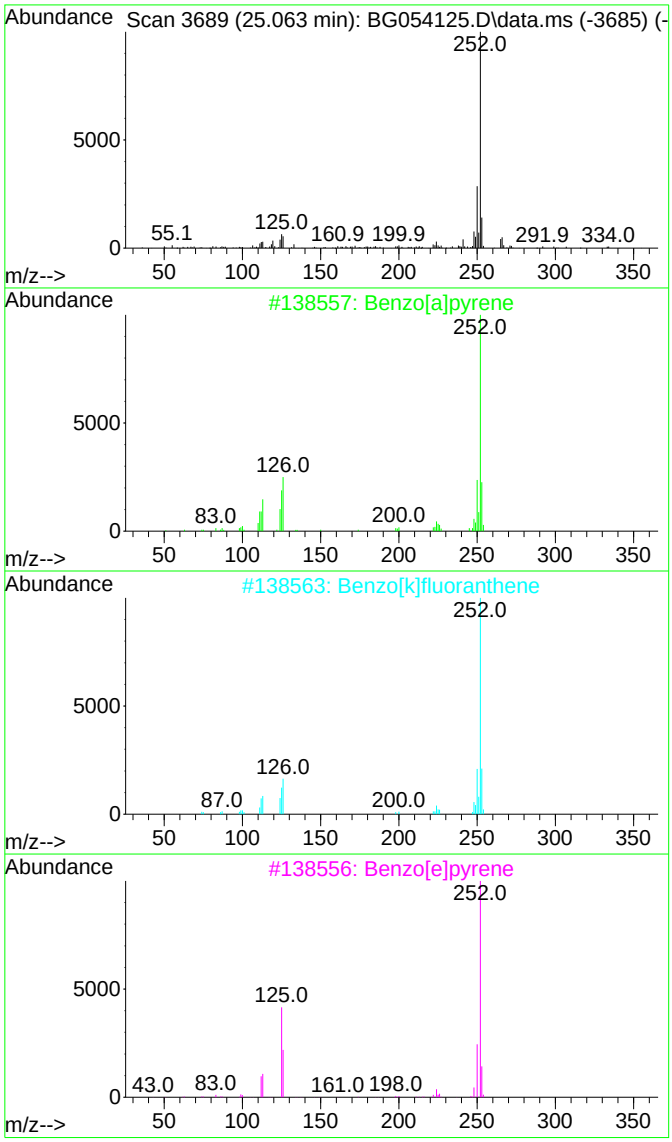
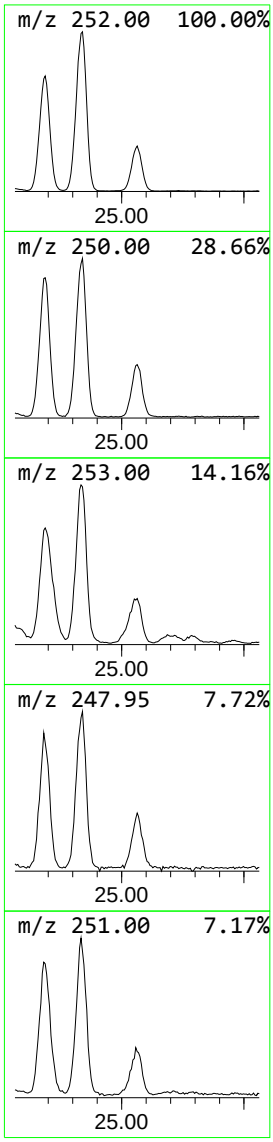
Peak Number 20 unknown25.063 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.063	15.41 ng	418159	Perylene-d12	24.987

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene	252	C20H12	000050-32-8	64
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	62
3	Benzo[e]pyrene	252	C20H12	000192-97-2	62
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	58
5	Benzo[b]naphtho[2,3-d]thiophene,...	252	C17H16S	024964-04-3	53





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG062822\
Data File : BG054125.D
Acq On : 28 Jun 2022 20:10
Operator : CG/JU
Sample : N3488-06
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-11-0-2-20220623

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
3-Penten-2-one,...	4.564	3.3	ng	28045	1	8.071	170505	20.0
2-Pentanone, 4-...	5.163	9.3	ng	78972	1	8.071	170505	20.0
Phenanthrene, 1...	18.318	5.2	ng	119044	4	17.443	454388	20.0
Phenanthrene, 2...	18.365	6.5	ng	147406	4	17.443	454388	20.0
Anthracene, 9-m...	18.447	2.9	ng	65995	4	17.443	454388	20.0
4H-Cyclopenta[d...	18.512	12.0	ng	272740	4	17.443	454388	20.0
Naphthalene, 2-...	18.812	4.7	ng	105780	4	17.443	454388	20.0
9,10-Anthracene...	18.853	3.1	ng	70744	4	17.443	454388	20.0
Phenanthrene, 2...	19.229	3.9	ng	87964	4	17.443	454388	20.0
Cyclopenta(def)...	19.370	4.1	ng	93439	4	17.443	454388	20.0
11H-Benzo[b]flu...	20.345	3.0	ng	359205	5	21.720	2431040	20.0
11H-Benzo[a]flu...	20.445	2.5	ng	297992	5	21.720	2431040	20.0
Benzo[b]naphtho...	21.291	2.3	ng	276438	5	21.720	2431040	20.0
Benzo[c]phenant...	21.338	2.3	ng	280698	5	21.720	2431040	20.0
Benz[c]acridine	21.391	2.7	ng	332133	5	21.720	2431040	20.0
Cyclopenta(cd)p...	21.926	2.6	ng	311998	5	21.720	2431040	20.0
unknown22.877	22.877	2.4	ng	290454	5	21.720	2431040	20.0
Benzo[e]pyrene	24.211	8.2	ng	222785	6	24.987	542766	20.0
Benzo[j]fluoran...	24.687	40.2	ng	1090320	6	24.987	542766	20.0
unknown25.063	25.063	15.4	ng	418159	6	24.987	542766	20.0