

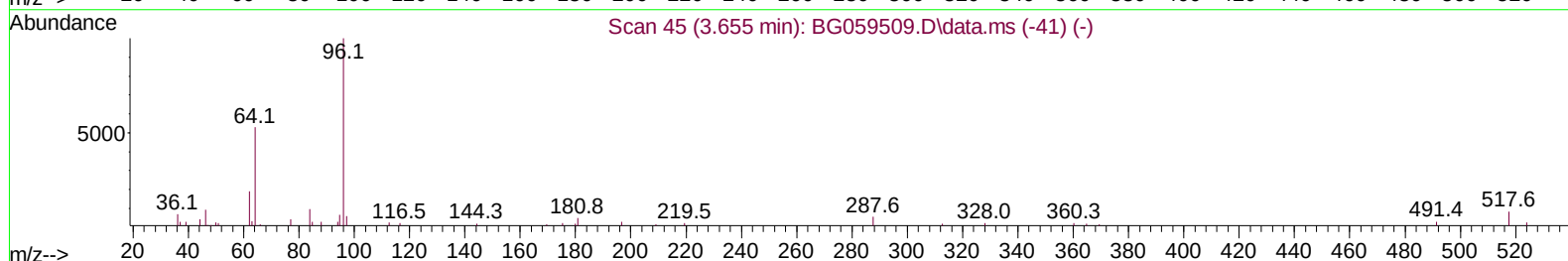
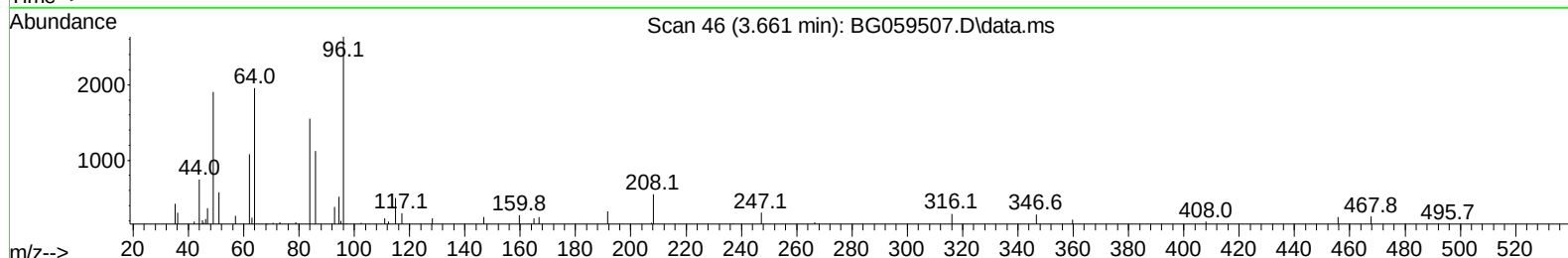
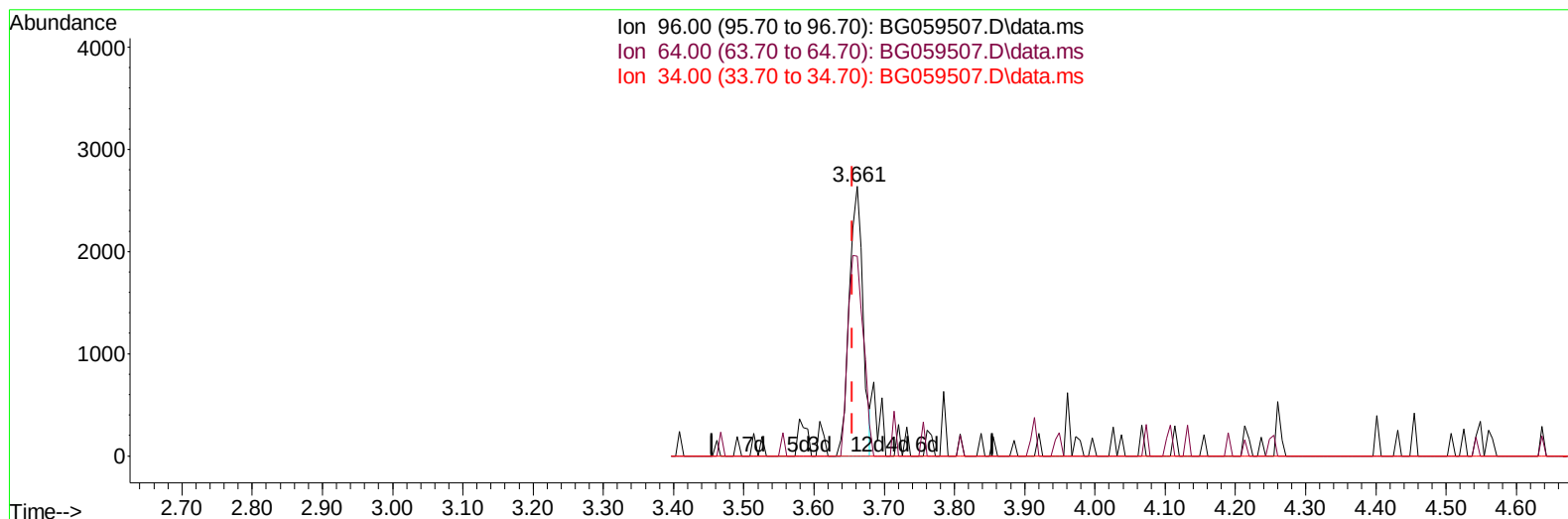
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102723\
 Data File : BG059507.D
 Acq On : 27 Oct 2023 12:03
 Operator : MA/JU
 Sample : SST00561
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SST005434

Manual IntegrationsAPPROVED

Quant Time: Oct 27 15:31:10 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG102723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Oct 27 15:27:14 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/31/2023
 Supervised By :mohammad ahmed 10/31/2023



TIC: BG059507.D\data.ms

(3) 1,4-Dioxane-d8 (S)

3.661min (+ 0.006) 2.00 ng/uL

response 3571

Ion	Exp%	Act%
96.00	100.00	100.00
64.00	52.90	74.18#
34.00	0.00	0.00
0.00	0.00	0.00

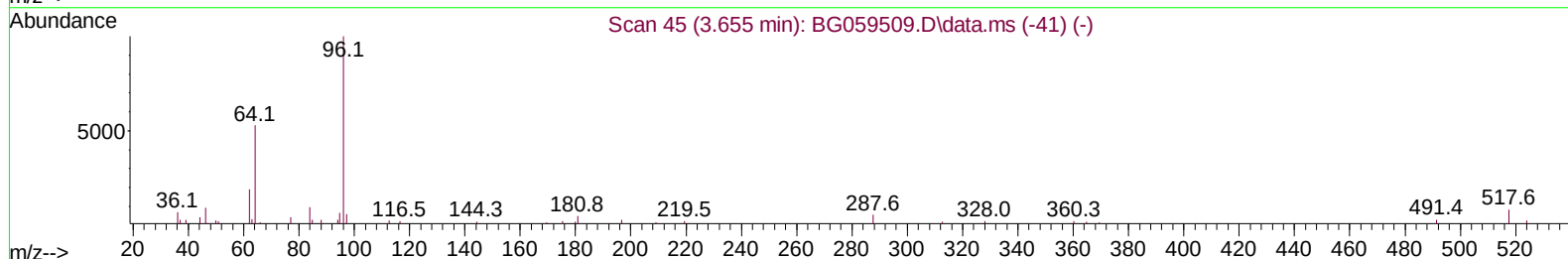
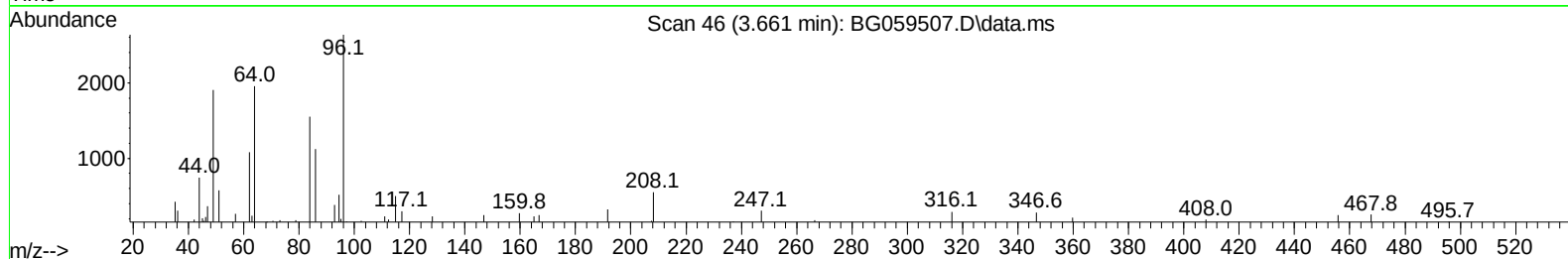
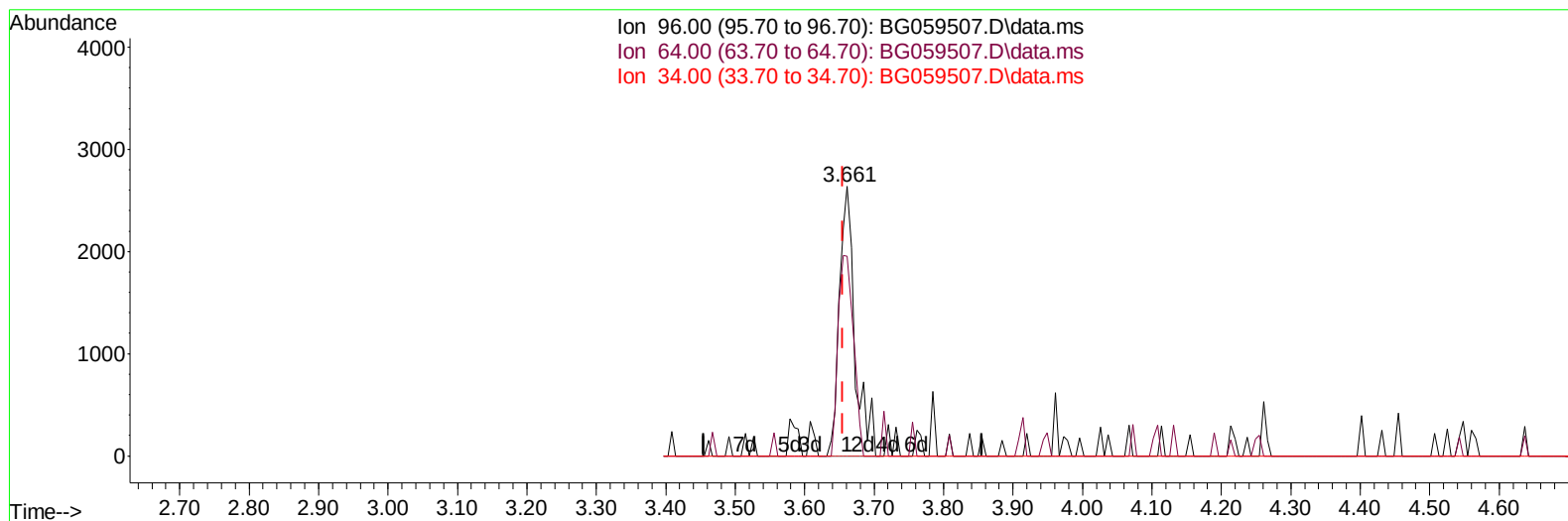
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 Acq On : 27 Oct 2023 12:03
 Operator : MA/JU
 Sample : SST00561
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Instrument :
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 ClientSampleId :
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Manual IntegrationsAPPROVED

Quant Time: Oct 27 15:31:10 2023
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 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Oct 27 15:27:14 2023
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Reviewed By :Yogesh Patel 10/31/2023
 Supervised By :mohammad ahmed 10/31/2023



TIC: BG059507.D\data.ms

(3) 1,4-Dioxane-d8 (S)

3.661min (+ 0.006) 2.29 ng/uL m

response 4082

Ion	Exp%	Act%
96.00	100.00	100.00
64.00	52.90	74.18#
34.00	0.00	0.00
0.00	0.00	0.00

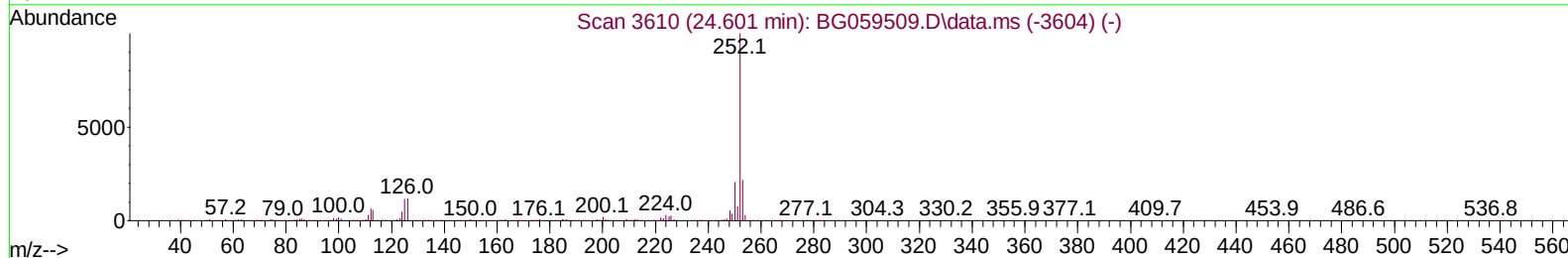
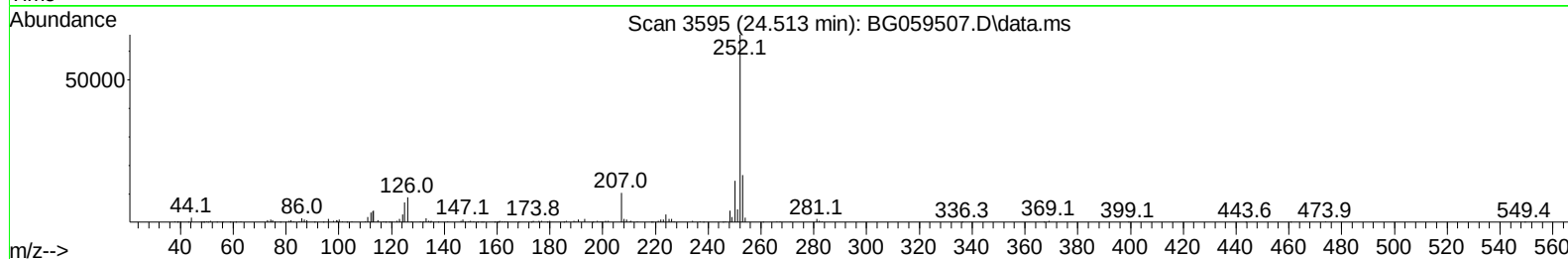
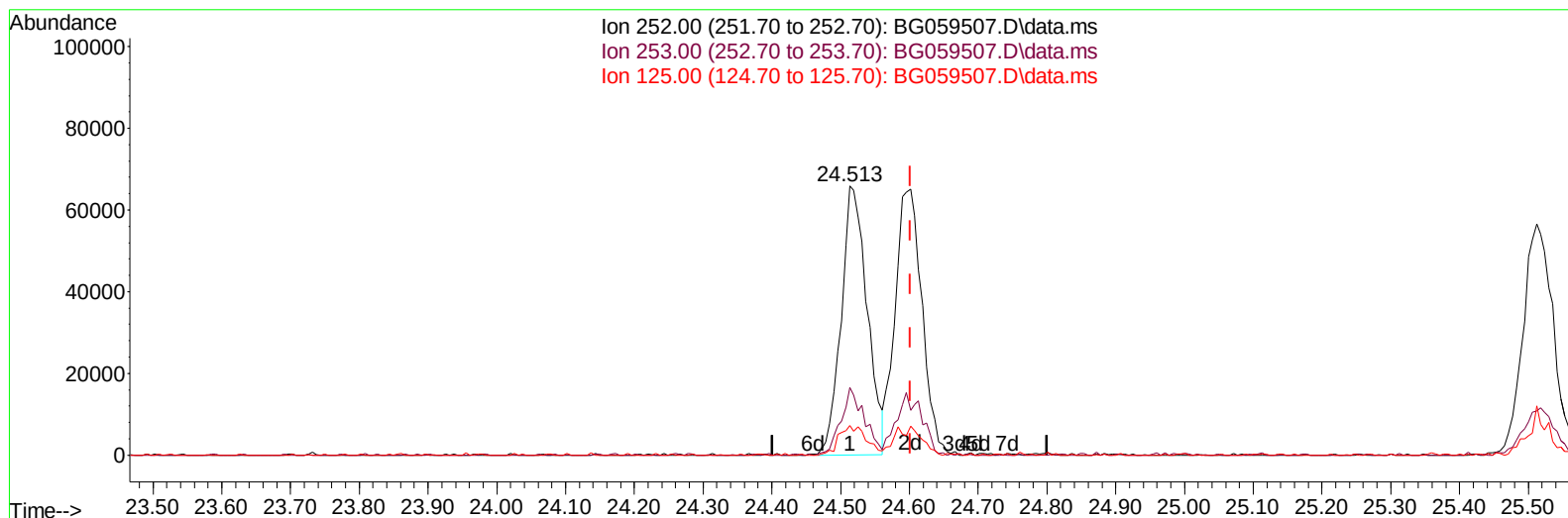
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102723\
 Data File : BG059507.D
 Acq On : 27 Oct 2023 12:03
 Operator : MA/JU
 Sample : SST00561
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 SST005434

Manual IntegrationsAPPROVED

Quant Time: Oct 27 15:31:10 2023
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 Supervised By :mohammad ahmed 10/31/2023



TIC: BG059507.D\data.ms

(91) Benzo(k)fluoranthene

24.513min (-0.088) 5.51 ng/u1

response 172717

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	22.40	25.19
125.00	9.90	10.88
0.00	0.00	0.00

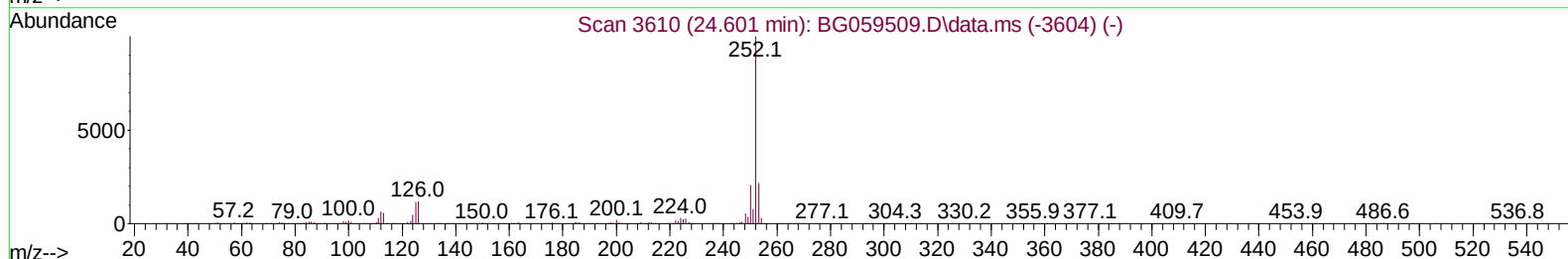
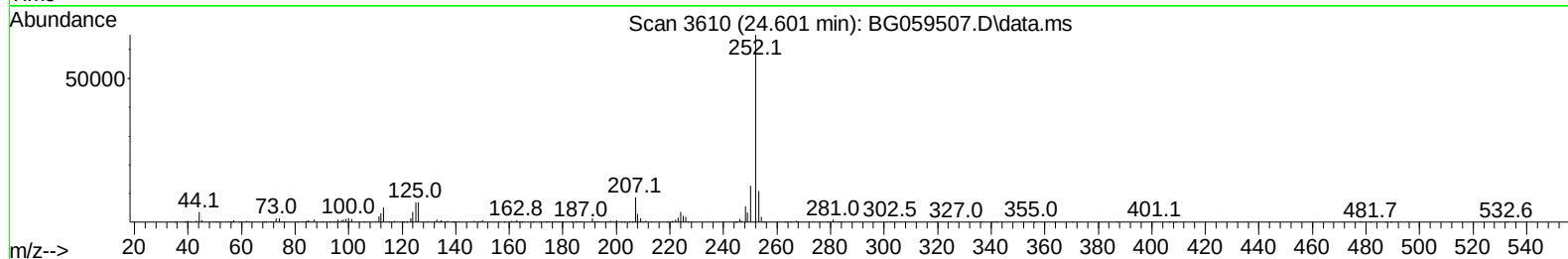
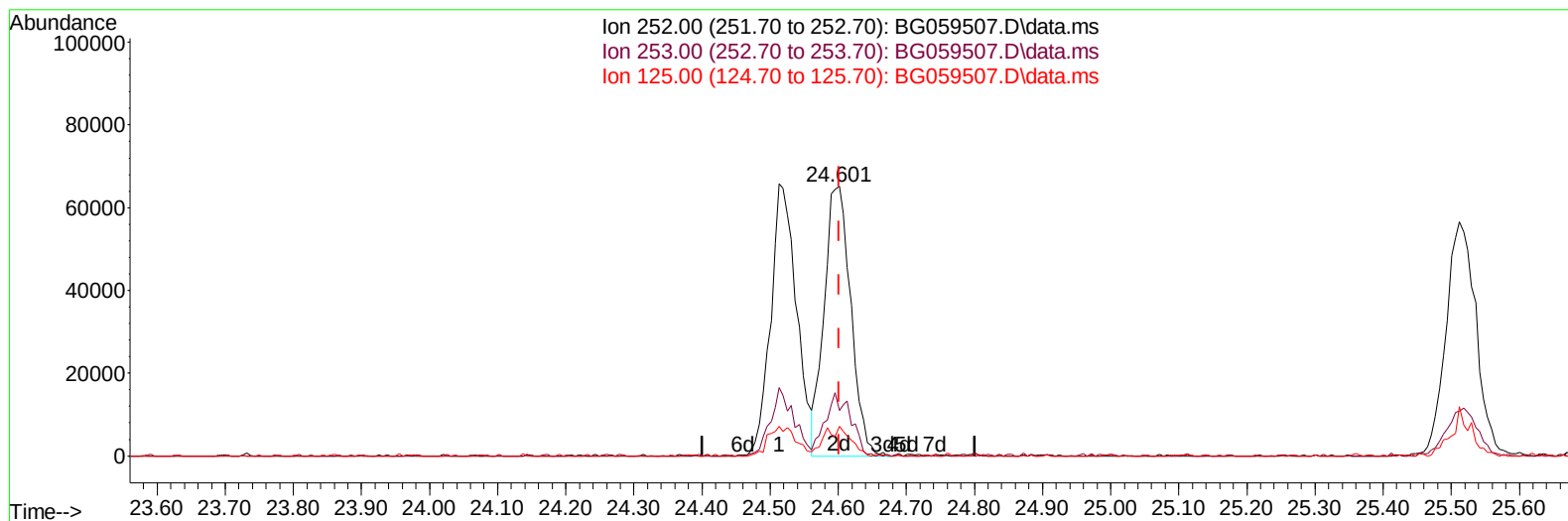
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102723\
 Data File : BG059507.D
 Acq On : 27 Oct 2023 12:03
 Operator : MA/JU
 Sample : SSTD00561
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD005434

Manual IntegrationsAPPROVED

Quant Time: Oct 27 15:31:10 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG102723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Oct 27 15:27:14 2023
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Reviewed By :Yogesh Patel 10/31/2023
 Supervised By :mohammad ahmed 10/31/2023



TIC: BG059507.D\data.ms

(91) Benzo(k)fluoranthene

24.601min (+ 0.000) 5.62 ng/ul m

response 176096

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	22.40	16.89#
125.00	9.90	10.89
0.00	0.00	0.00

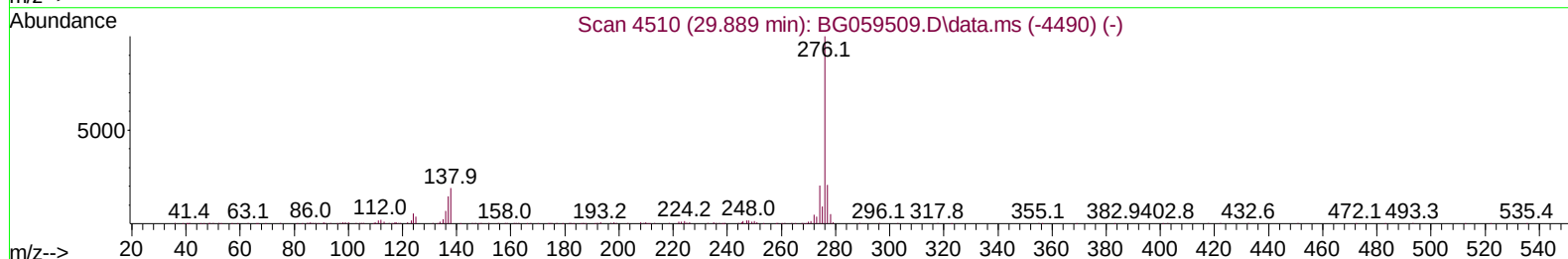
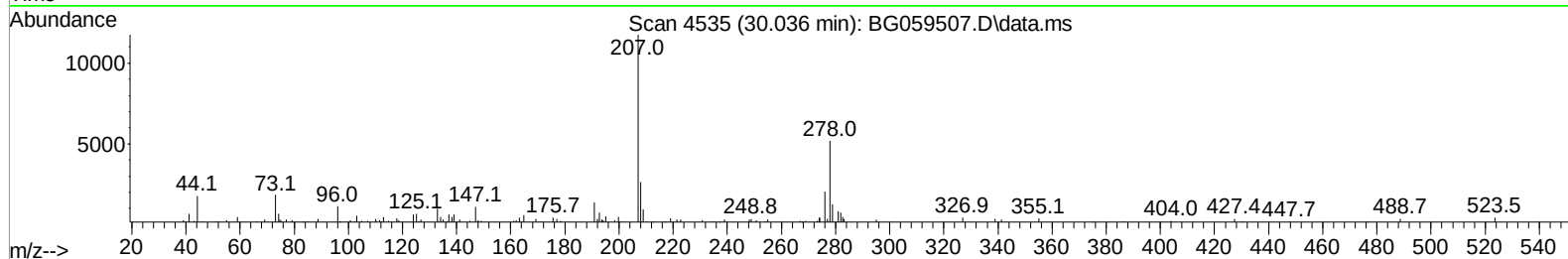
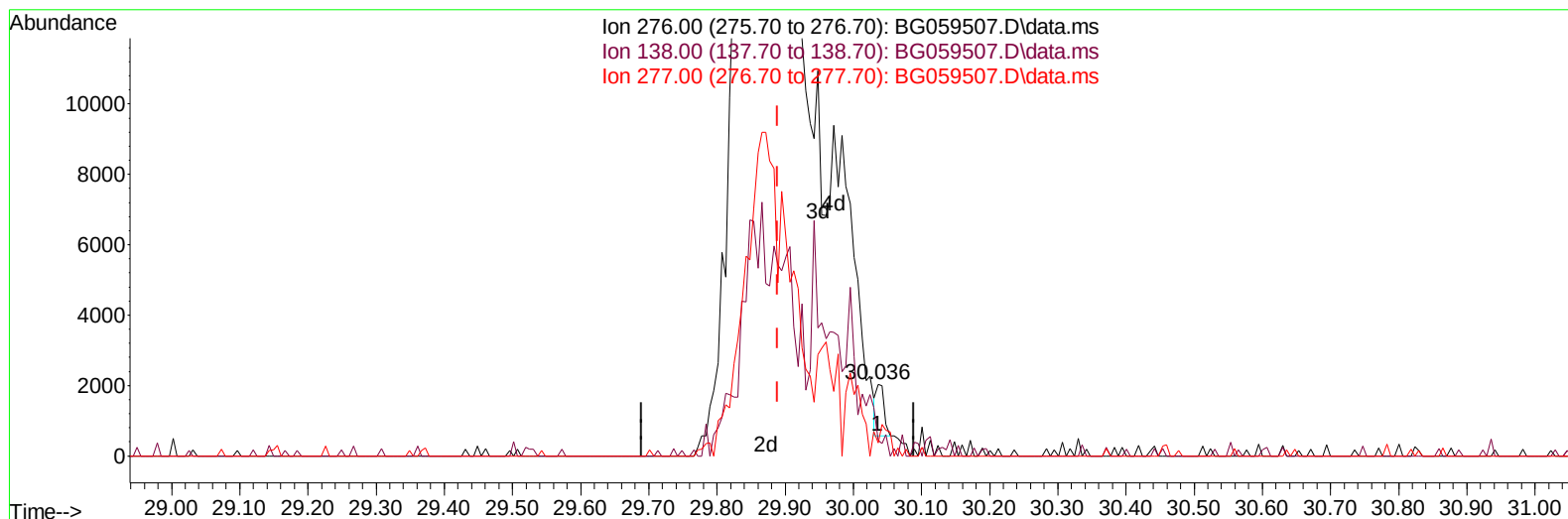
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102723\
 Data File : BG059507.D
 Acq On : 27 Oct 2023 12:03
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 Sample : SSTD00561
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 SSTD005434

Manual IntegrationsAPPROVED

Quant Time: Oct 27 15:31:10 2023
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TIC: BG059507.D\data.ms

(94) Indeno(1,2,3-cd)pyrene

30.036min (+ 0.147) 0.03 ng/u1

response 1131

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	19.10	22.00
277.00	20.50	17.98
0.00	0.00	0.00

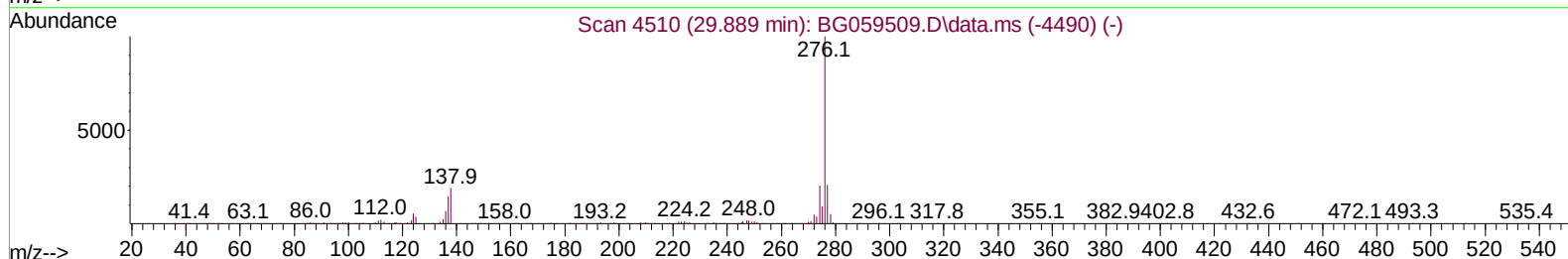
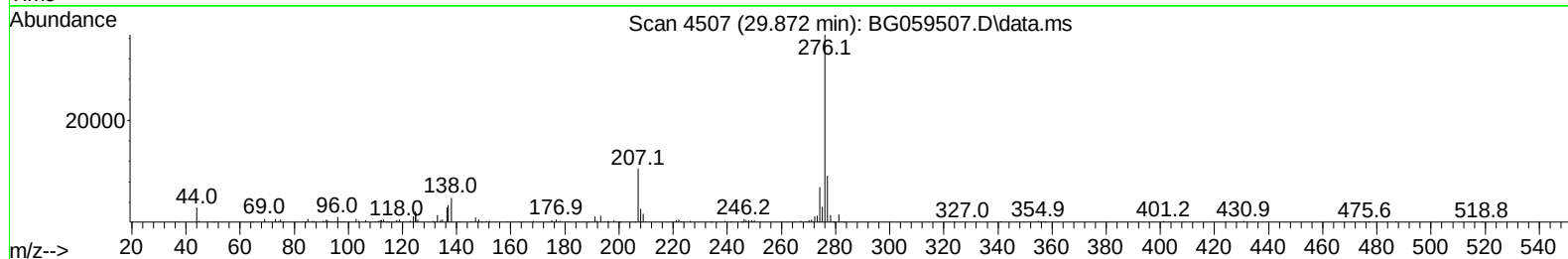
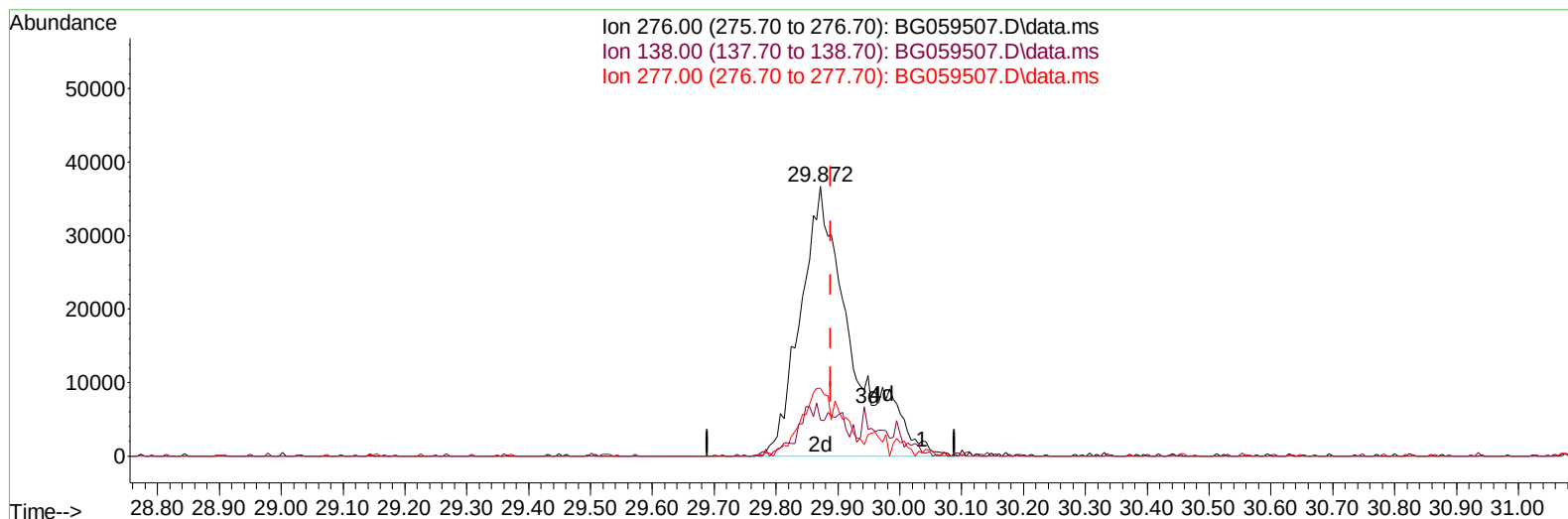
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102723\
 Data File : BG059507.D
 Acq On : 27 Oct 2023 12:03
 Operator : MA/JU
 Sample : SSTD00561
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD005434

Manual IntegrationsAPPROVED

Quant Time: Oct 27 15:31:10 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG102723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Oct 27 15:27:14 2023
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Reviewed By :Yogesh Patel 10/31/2023
 Supervised By :mohammad ahmed 10/31/2023



TIC: BG059507.D\data.ms

(94) Indeno(1,2,3-cd)pyrene

29.872min (-0.017) 5.53 ng/ul m

response 207871

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	19.10	13.36#
277.00	20.50	25.05#
0.00	0.00	0.00

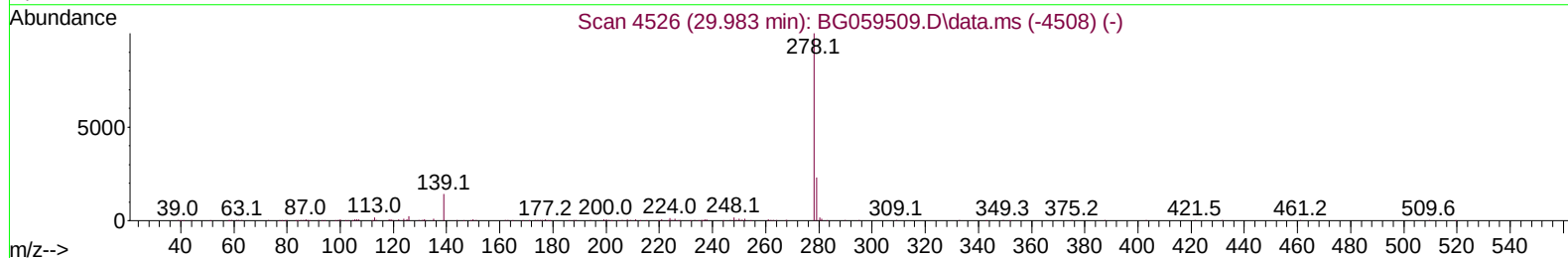
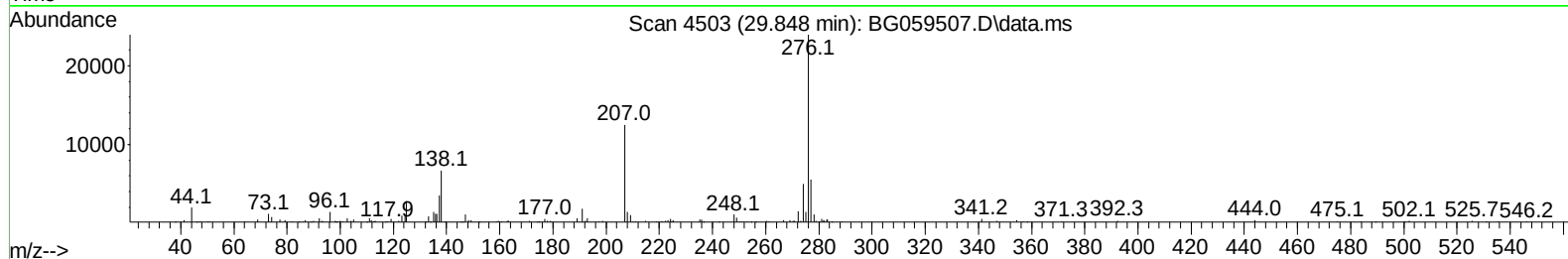
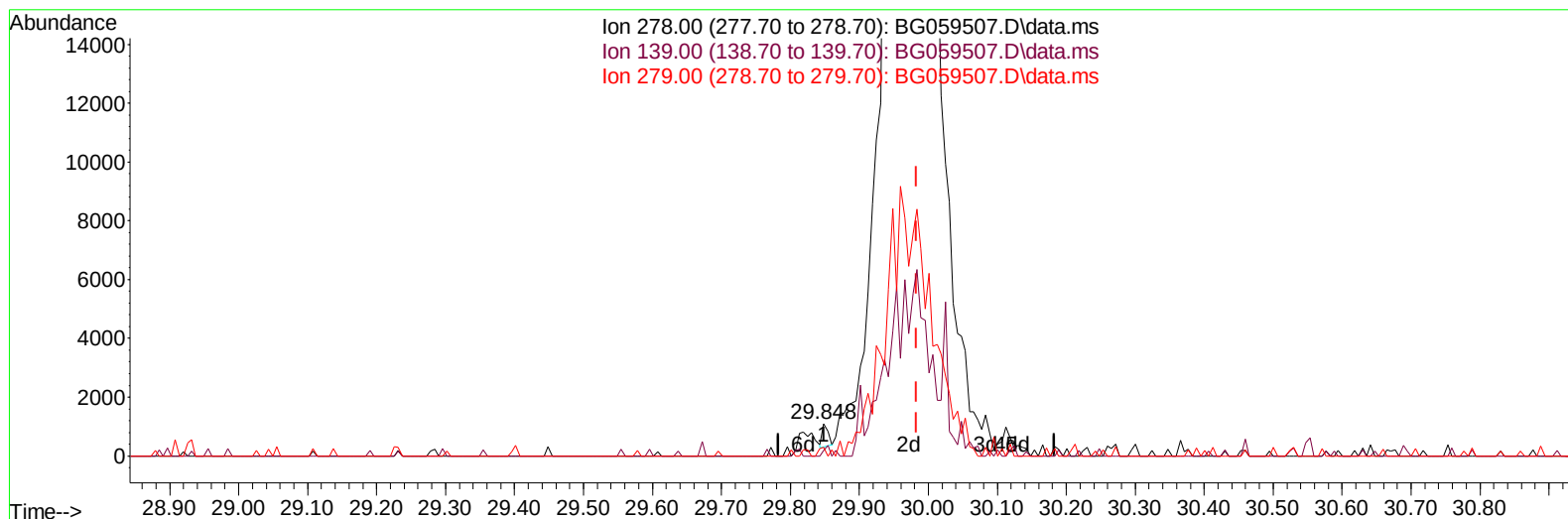
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102723\
 Data File : BG059507.D
 Acq On : 27 Oct 2023 12:03
 Operator : MA/JU
 Sample : SST00561
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SST005434

Manual IntegrationsAPPROVED

Quant Time: Oct 27 15:31:10 2023
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Reviewed By :Yogesh Patel 10/31/2023
 Supervised By :mohammad ahmed 10/31/2023



TIC: BG059507.D\data.ms

(95) Dibenzo(a,h)anthracene

29.848min (-0.135) 0.02 ng/uL

response 475

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	13.80	16.15
279.00	22.90	27.37
0.00	0.00	0.00

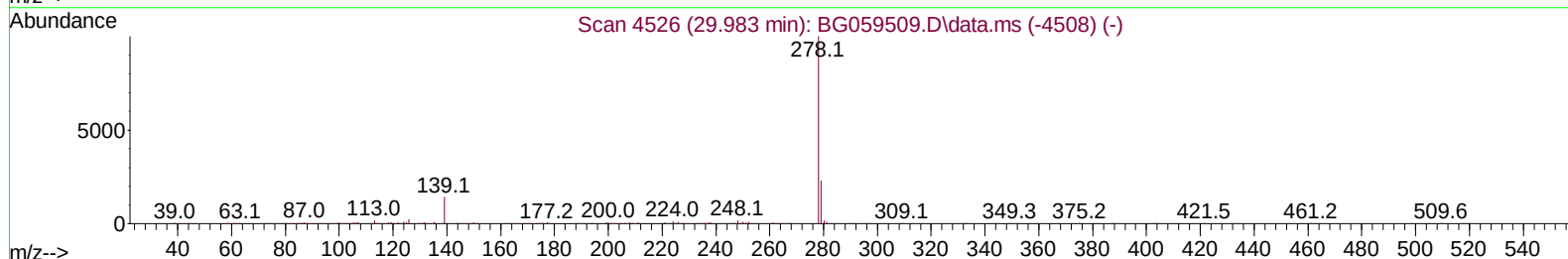
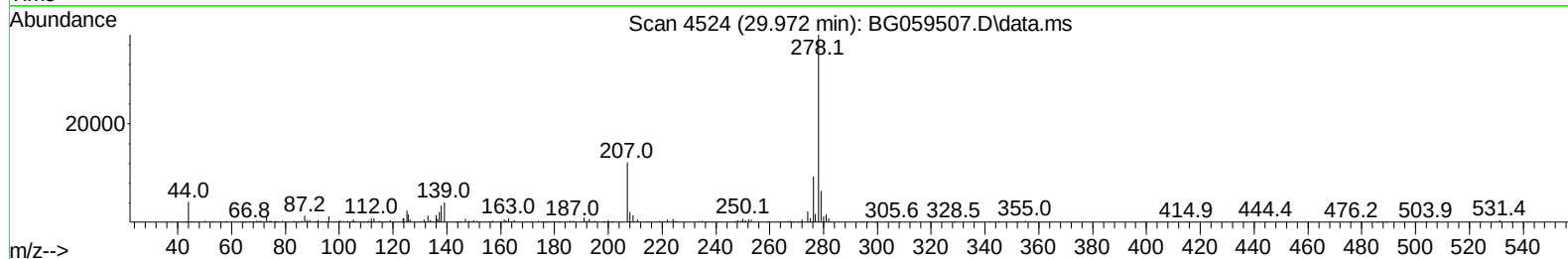
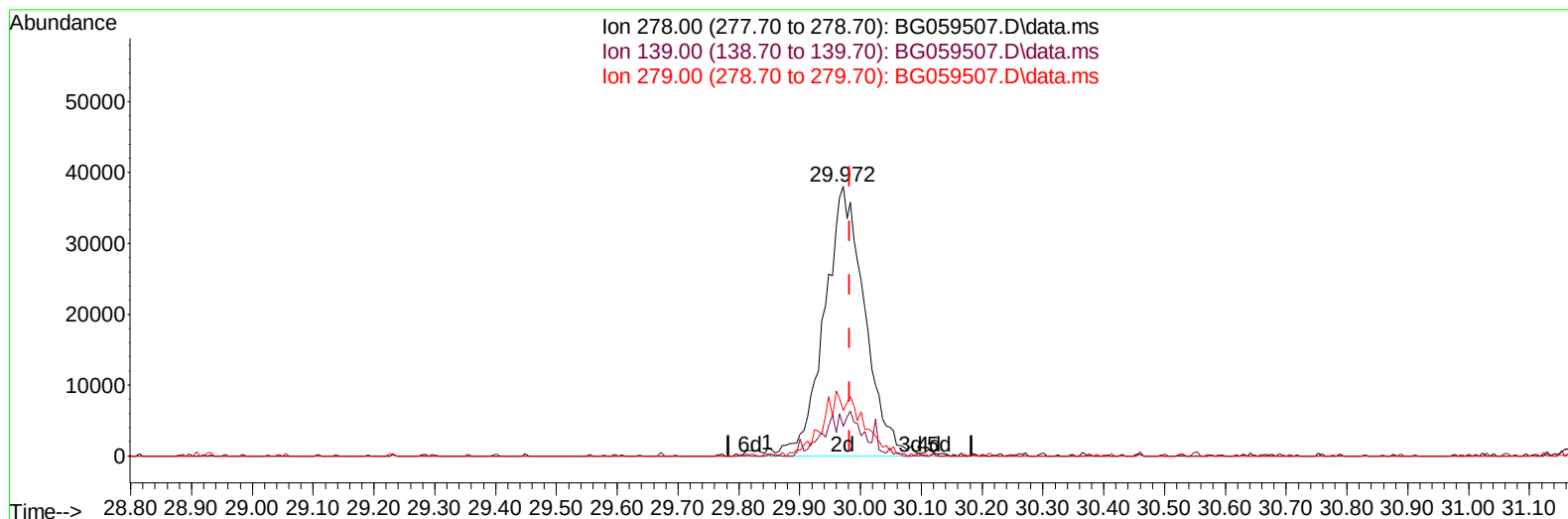
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102723\
 Data File : BG059507.D
 Acq On : 27 Oct 2023 12:03
 Operator : MA/JU
 Sample : SST00561
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SST005434

Manual IntegrationsAPPROVED

Quant Time: Oct 27 15:31:10 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG102723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Oct 27 15:27:14 2023
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 Supervised By :mohammad ahmed 10/31/2023



TIC: BG059507.D\data.ms

(95) Dibenzo(a,h)anthracene

29.972min (-0.011) 5.76 ng/ul m

response 178853

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	13.80	10.92#
279.00	22.90	16.97#
0.00	0.00	0.00

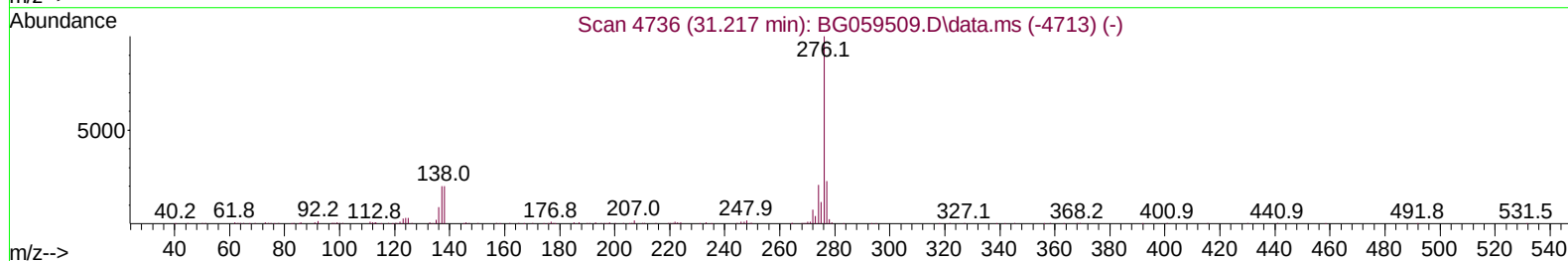
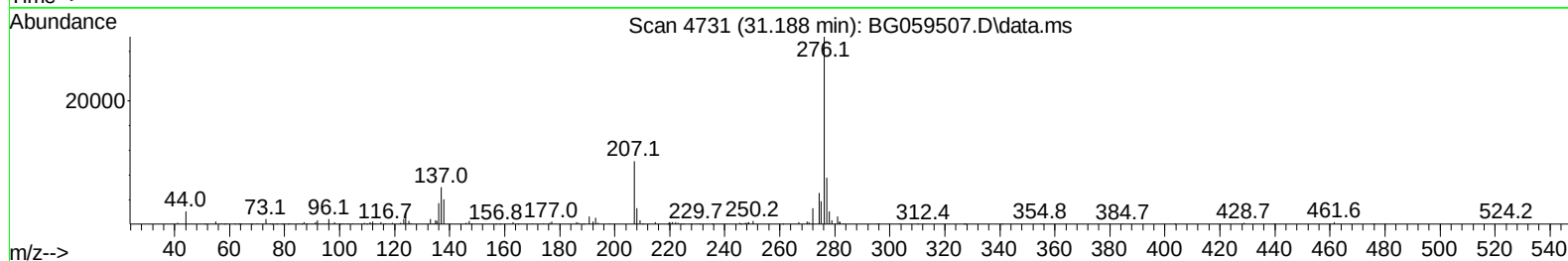
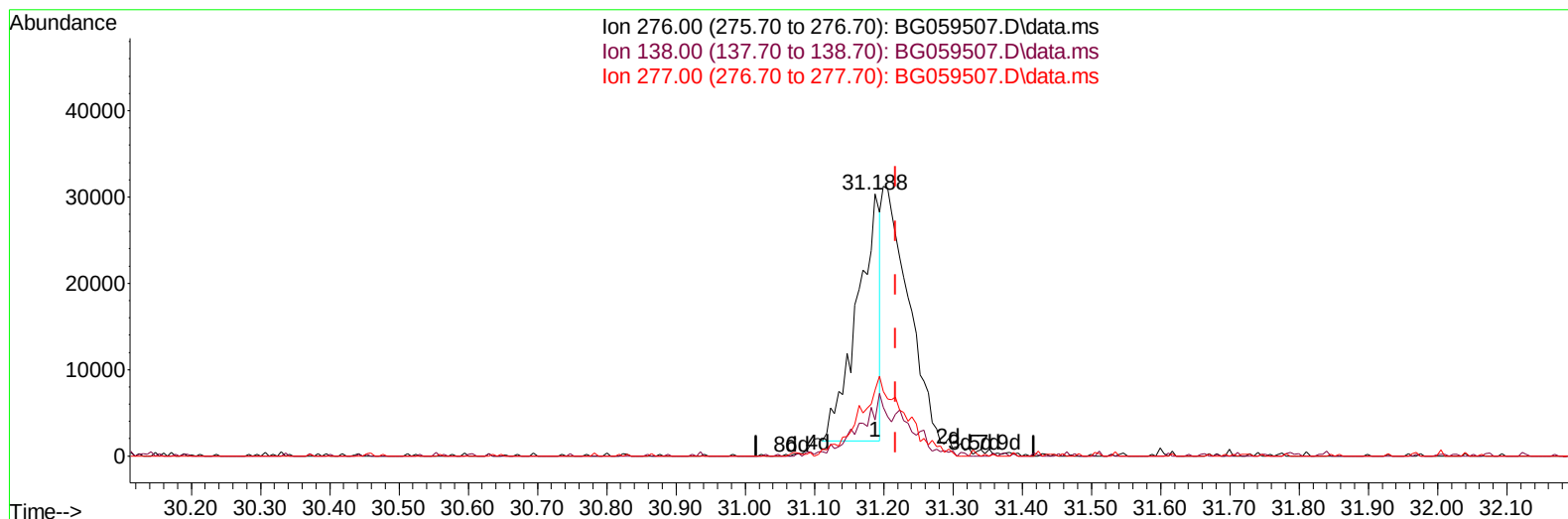
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 ALS Vial : 3 Sample Multiplier: 1

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 BNA_G
 ClientSampleId :
 SSTD005434

Manual IntegrationsAPPROVED

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TIC: BG059507.D\data.ms

(96) Benzo(g,h,i)perylene

31.188min (-0.029) 2.14 ng/u1

response 65866

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	20.20	13.79#
277.00	22.80	25.12
0.00	0.00	0.00

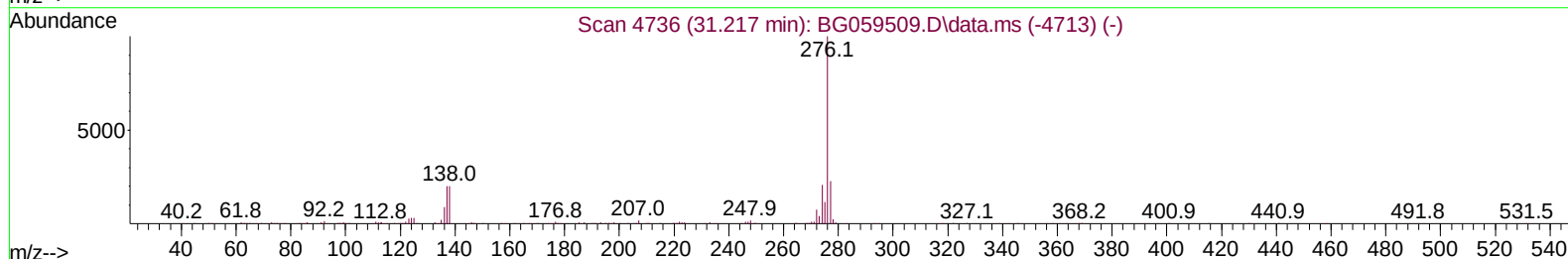
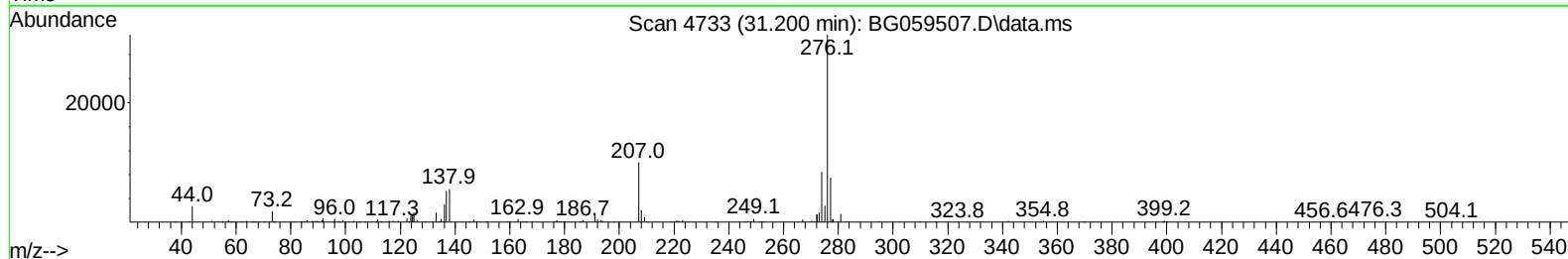
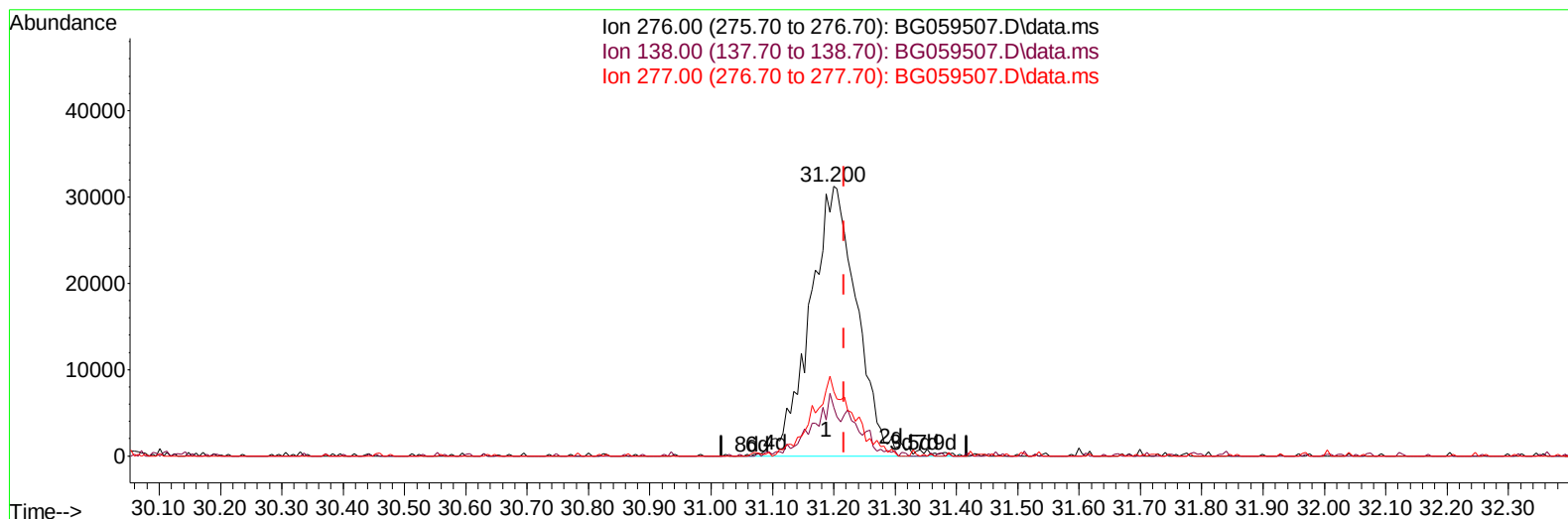
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102723\
 Data File : BG059507.D
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 Operator : MA/JU
 Sample : SST00561
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
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Manual IntegrationsAPPROVED

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TIC: BG059507.D\data.ms

(96) Benzo(g,h,i)perylene

31.200min (-0.017) 5.45 ng/ul m

response 167625

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	20.20	18.13
277.00	22.80	23.98
0.00	0.00	0.00

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 Operator : MA/JU
 Sample : SST00561
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :

BNA_G

ClientSampleId :

SSTD005434

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/31/2023

Supervised By :mohammad ahmed 10/31/2023

Quant Time: Oct 27 15:34:16 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG102723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Oct 27 15:27:14 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.362	152	66668	20.000	ng/ul	0.00
20) Naphthalene-d8	11.211	136	314361	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.989	164	185059	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.745	188	415406	20.000	ng/ul	0.00
79) Chrysene-d12	22.081	240	391999	20.000	ng/ul	0.00
88) Perylene-d12	25.688	264	432777	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.661	96	4082m	2.291	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/ul	
7) Phenol-d5	0.000	99	0d	0.000	ng/ul	
9) Bis-(2-Chloroethyl)eth...	0.000	67	0d	0.000	ng/ul	
11) 2-Chlorophenol-d4	7.874	132	31046	5.586	ng/ul	0.00
15) 4-Methylphenol-d8	0.000	113	0d	0.000	ng/ul	
21) Nitrobenzene-d5	9.560	128	11080	4.957	ng/ul	0.00
24) 2-Nitrophenol-d4	10.283	143	10983	4.786	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.806	165	25831	5.109	ng/ul	0.00
31) 4-Chloroaniline-d4	0.000	131	0d	0.000	ng/ul	
46) Dimethylphthalate-d6	14.384	166	96448	5.753	ng/ul	0.00
49) Acenaphthylene-d8	14.690	160	108367	5.508	ng/ul	0.00
54) 4-Nitrophenol-d4	0.000	143	0d	0.000	ng/ul	
60) Fluorene-d10	15.976	176	82768	5.777	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	0.000	200	0d	0.000	ng/ul	
73) Anthracene-d10	17.839	188	130774	5.811	ng/ul	0.00
81) Pyrene-d10	20.113	212	152232	5.587	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.436	264	141549	5.554	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.697	88	5218	2.616	ng/ul#	86
12) 2-Chlorophenol	7.903	128	31524	5.721	ng/ul#	89
17) N-Nitroso-di-n-propyla...	9.161	70	23205	5.748	ng/ul#	81
19) Hexachloroethane	9.454	117	11241	5.137	ng/ul	85
22) Nitrobenzene	9.601	77	23081	4.784	ng/ul#	92
23) Isophorone	10.113	82	70544	5.806	ng/ul#	92
25) 2-Nitrophenol	10.312	139	11840	4.798	ng/ul#	81
26) 2,4-Dimethylphenol	10.336	107	34812	5.363	ng/ul#	90
27) Bis(2-Chloroethoxy)met...	10.600	93	37326	5.517	ng/ul	97
29) 2,4-Dichlorophenol	10.835	162	27292	5.580	ng/ul	95
30) Naphthalene	11.264	128	110945	5.662	ng/ul	98
33) Hexachlorobutadiene	11.493	225	17529	5.974	ng/ul#	83
35) 4-Chloro-3-methylphenol	12.433	107	30291	5.190	ng/ul#	90
36) 2-Methylnaphthalene	12.845	142	76824	5.699	ng/ul	91
37) 1-Methylnaphthalene	13.062	142	77427	5.767	ng/ul	95
39) 1,2,4,5-Tetrachloroben...	13.180	216	29864	5.595	ng/ul#	83
41) 2,4,6-Trichlorophenol	13.420	196	19068	5.159	ng/ul	97
42) 2,4,5-Trichlorophenol	13.479	196	21578	5.393	ng/ul	95
43) 1,1'-Biphenyl	13.832	154	95035	5.677	ng/ul	96
44) 2-Chloronaphthalene	13.879	162	74466	5.723	ng/ul	89
45) 2-Nitroaniline	14.090	65	10174	4.202	ng/ul	94
47) Dimethylphthalate	14.431	163	92086	5.559	ng/ul#	89
48) 2,6-Dinitrotoluene	14.566	165	12645	5.061	ng/ul#	83

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102723\
 Data File : BG059507.D
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 Operator : MA/JU
 Sample : SST00561
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SST005434

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/31/2023
 Supervised By :mohammad ahmed 10/31/2023

Quant Time: Oct 27 15:34:16 2023
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 Quant Title : SVOA CALIBRATION
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
50) Acenaphthylene	14.725	152	130121	5.740	ng/ul	94
52) Acenaphthene	15.054	153	86554	5.857	ng/ul	99
56) Dibenzofuran	15.389	168	108202	5.648	ng/ul	96
57) 2,4-Dinitrotoluene	15.342	165	14915	4.243	ng/ul#	81
58) 2,3,4,6-Tetrachlorophenol	15.588	232	15523	4.943	ng/ul#	84
59) Diethylphthalate	15.782	149	99466	5.505	ng/ul	97
61) Fluorene	16.035	166	95996	5.804	ng/ul	95
62) 4-Chlorophenyl-phenyle...	16.023	204	40177	5.684	ng/ul	94
67) N-Nitrosodiphenylamine	16.235	169	81027	5.709	ng/ul	94
68) 4-Bromophenyl-phenylether	16.922	248	21728	5.227	ng/ul	92
69) Hexachlorobenzene	17.004	284	28137	5.857	ng/ul#	92
72) Phenanthrene	17.786	178	163027	6.037	ng/ul	95
74) Anthracene	17.874	178	160322	5.880	ng/ul	98
75) 1,2,3,4-Tetrachloroben...	13.791	216	32460	5.868	ng/uL	85
76) Pentachlorobenzene	15.283	250	30050	5.725	ng/uL	94
78) Di-n-butylphthalate	18.667	149	193783	6.021	ng/ul#	95
80) Fluoranthene	19.778	202	187058	5.632	ng/ul#	94
82) Pyrene	20.142	202	196095	5.684	ng/ul#	94
83) Butylbenzylphthalate	21.017	149	80659	5.177	ng/ul	91
85) Benzo(a)anthracene	22.057	228	188040	5.829	ng/ul	96
86) Bis(2-ethylhexyl)phtha...	21.916	149	126935	5.460	ng/ul#	91
87) Chrysene	22.128	228	169382	5.645	ng/ul	98
90) Benzo(b)fluoranthene	24.513	252	172948	5.513	ng/ul	96
91) Benzo(k)fluoranthene	24.601	252	176096m	5.620	ng/ul	
93) Benzo(a)pyrene	25.512	252	172726	5.826	ng/ul#	85
94) Indeno(1,2,3-cd)pyrene	29.872	276	207871m	5.531	ng/ul	
95) Dibenzo(a,h)anthracene	29.972	278	178853m	5.761	ng/ul	
96) Benzo(g,h,i)perylene	31.200	276	167625m	5.454	ng/ul	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

