

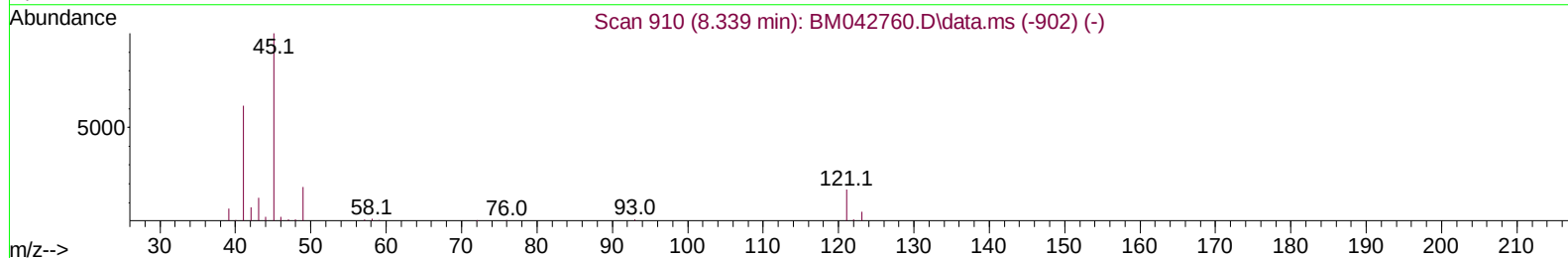
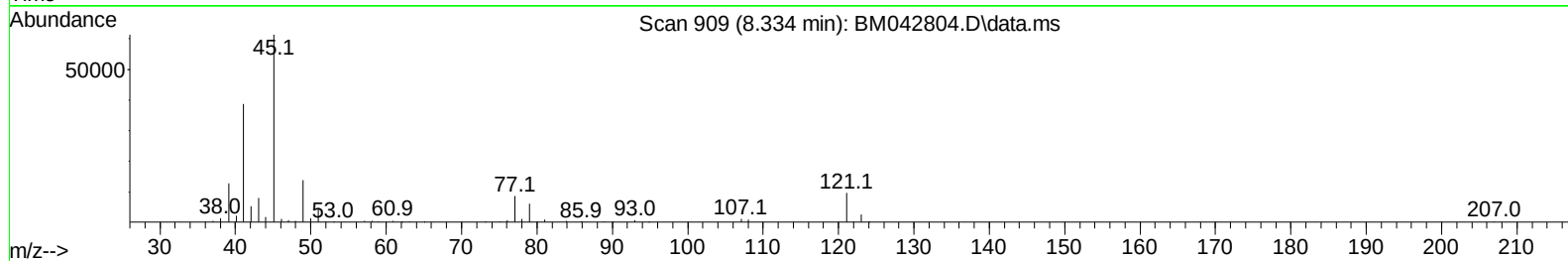
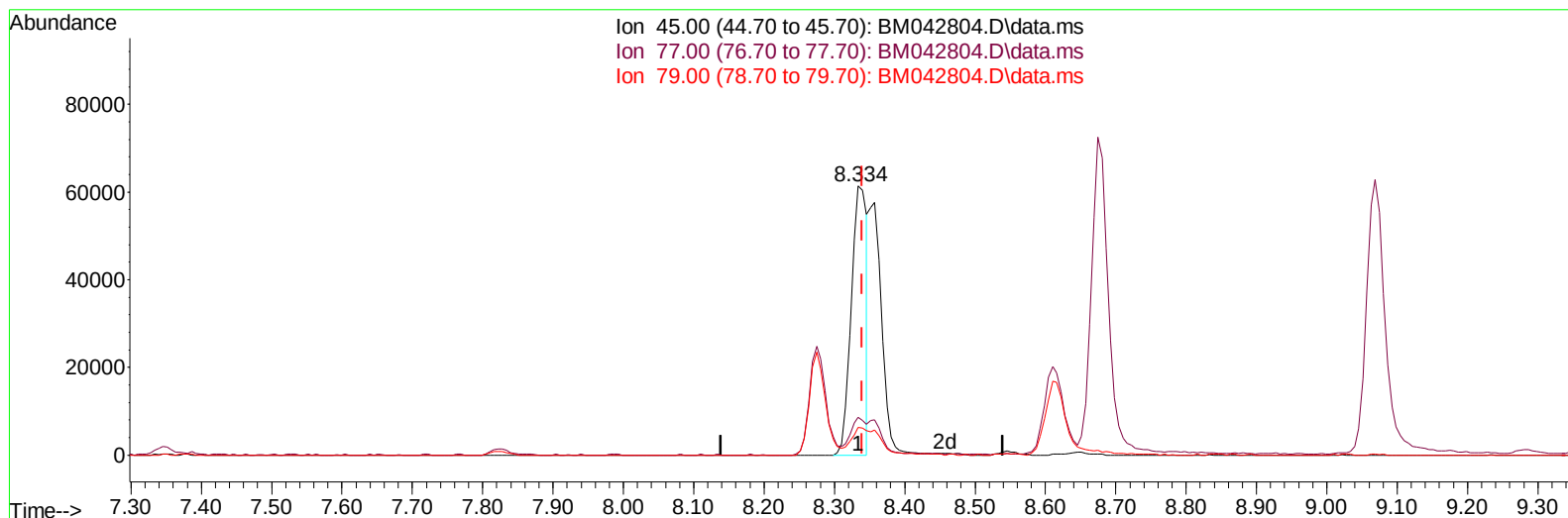
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111323\
 Data File : BM042804.D
 Acq On : 16 Nov 2023 13:07
 Operator : MA/JU
 Sample : PB156780BS
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SLCS780

Manual IntegrationsAPPROVED

Quant Time: Nov 16 13:44:26 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM111323.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Nov 15 22:28:07 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/16/2023
 Supervised By :mohammad ahmed 11/19/2023



TIC: BM042804.D\data.ms

(14) 2,2'-oxybis(1-Chloropropane)

8.334min (-0.006) 18.54 ng/u1

response 94141

Ion	Exp%	Act%
45.00	100.00	100.00
77.00	15.20	14.15
79.00	10.20	10.17
0.00	0.00	0.00

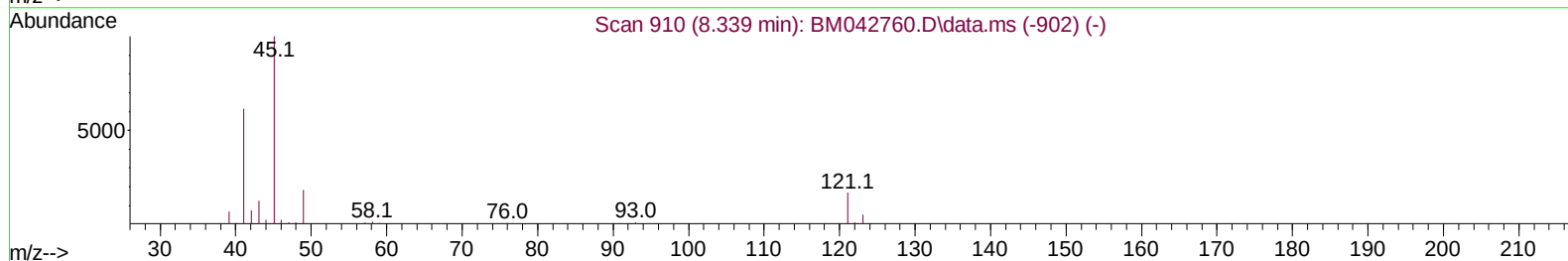
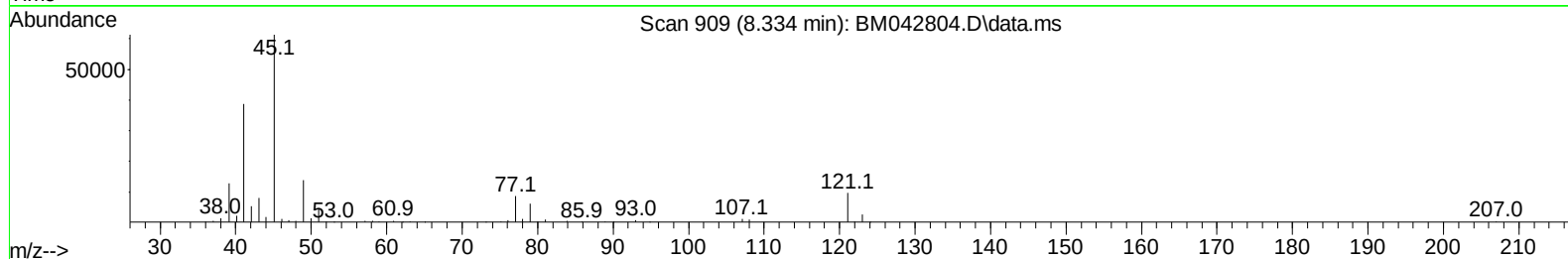
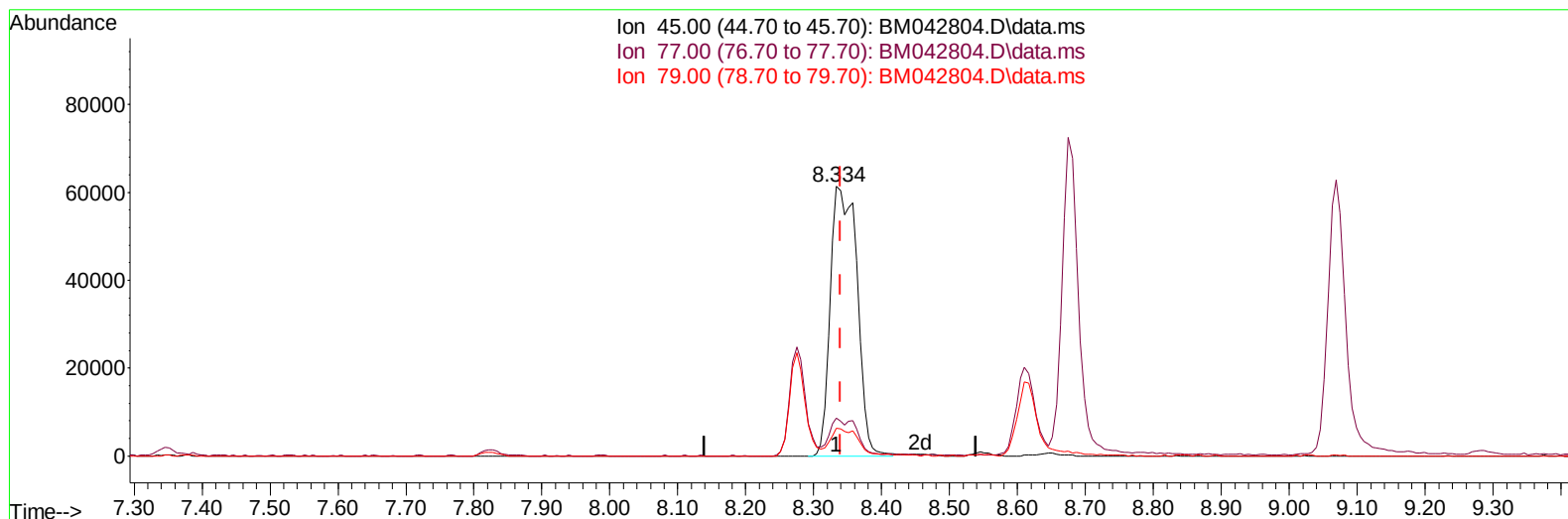
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111323\
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 Acq On : 16 Nov 2023 13:07
 Operator : MA/JU
 Sample : PB156780BS
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SLCS780

Manual IntegrationsAPPROVED

Quant Time: Nov 16 13:44:26 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM111323.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Nov 15 22:28:07 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/16/2023
 Supervised By :mohammad ahmed 11/19/2023



TIC: BM042804.D\data.ms

(14) 2,2'-oxybis(1-Chloropropane)

8.334min (-0.006) 32.82 ng/ul m

response 166605

Ion	Exp%	Act%
45.00	100.00	100.00
77.00	15.20	14.15
79.00	10.20	10.17
0.00	0.00	0.00

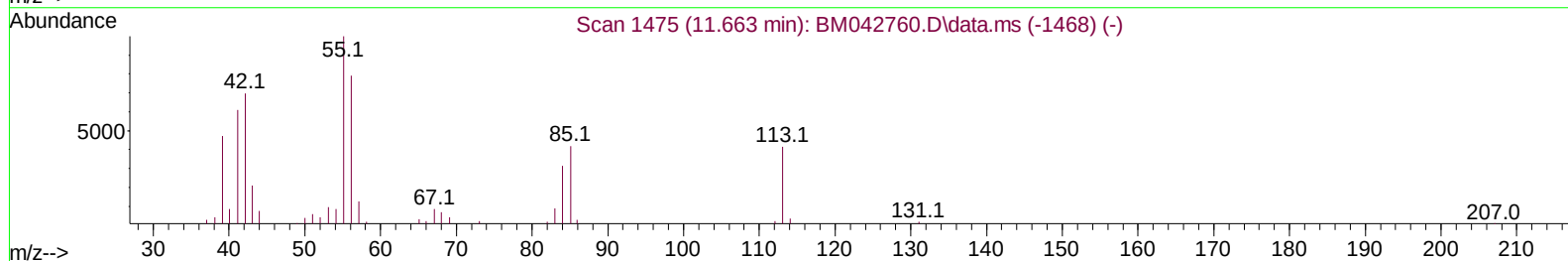
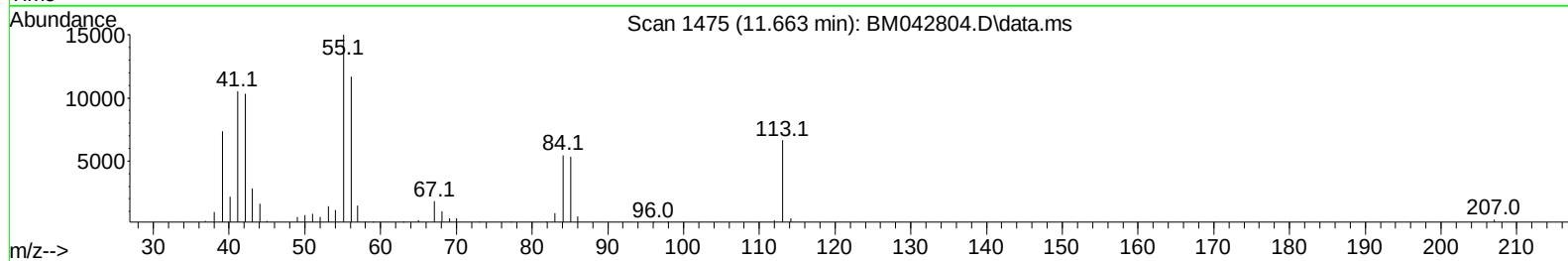
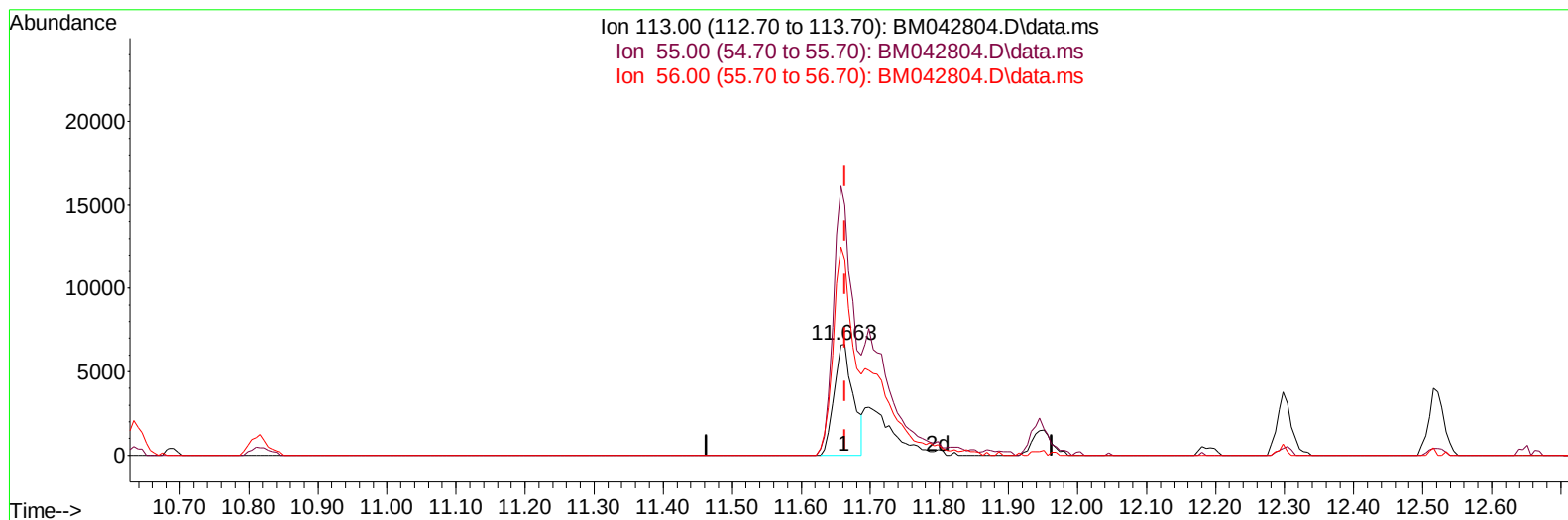
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111323\
 Data File : BM042804.D
 Acq On : 16 Nov 2023 13:07
 Operator : MA/JU
 Sample : PB156780BS
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Manual IntegrationsAPPROVED

Quant Time: Nov 16 13:44:26 2023
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TIC: BM042804.D\data.ms

(34) Caprolactam

11.663min (-0.000) 17.31 ng/ul

response 12795

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	230.20	226.12
56.00	167.90	176.41
0.00	0.00	0.00

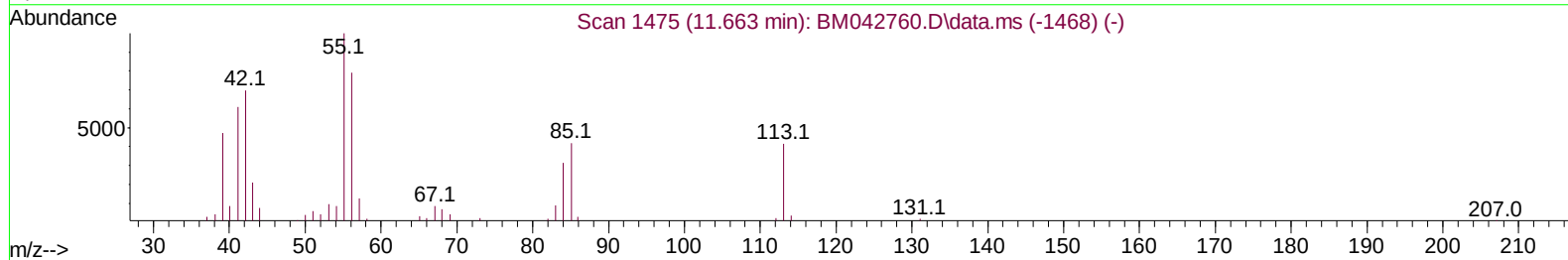
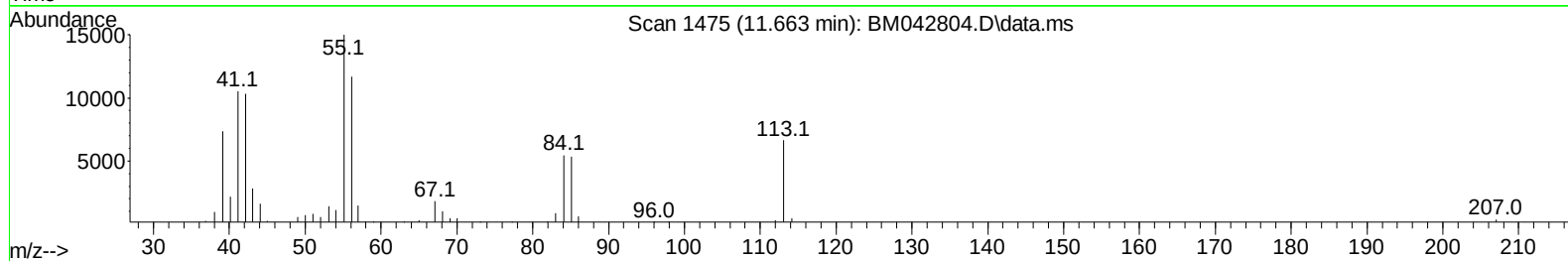
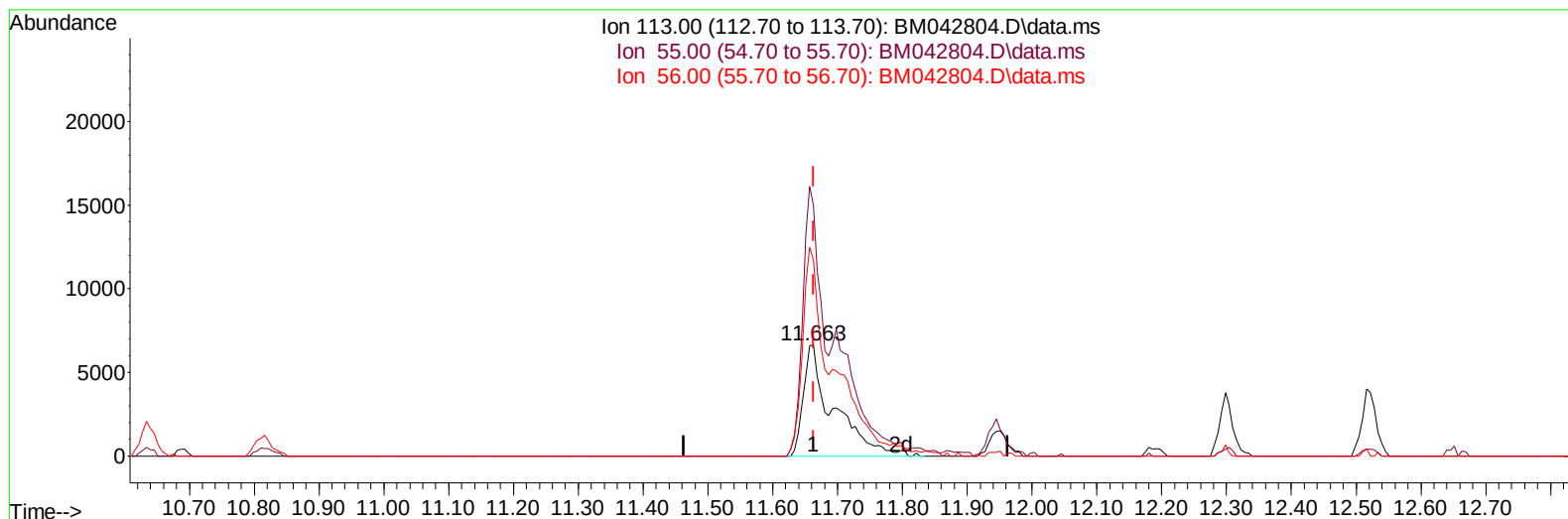
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111323\
 Data File : BM042804.D
 Acq On : 16 Nov 2023 13:07
 Operator : MA/JU
 Sample : PB156780BS
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SLCS780

Manual IntegrationsAPPROVED

Quant Time: Nov 16 13:44:26 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM111323.MA.M
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 QLast Update : Wed Nov 15 22:28:07 2023
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Reviewed By :Yogesh Patel 11/16/2023
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TIC: BM042804.D\data.ms

(34) Caprolactam

11.663min (-0.000) 28.96 ng/ul m

response 21412

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	230.20	226.12
56.00	167.90	176.41
0.00	0.00	0.00

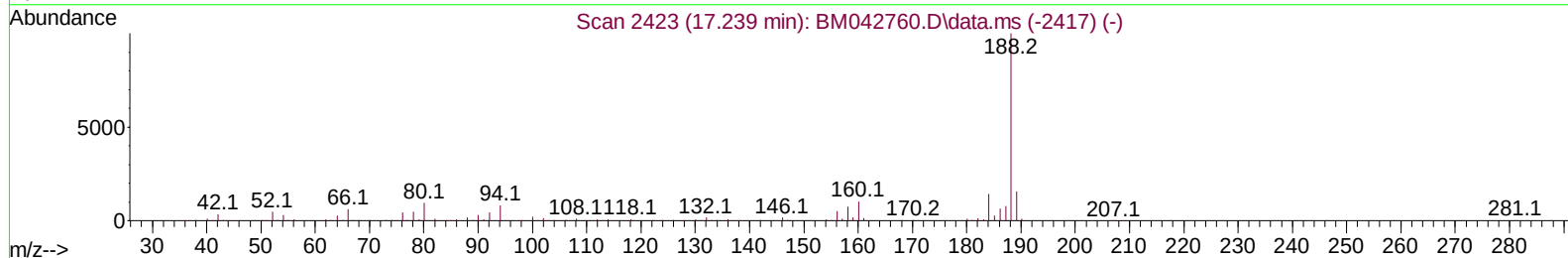
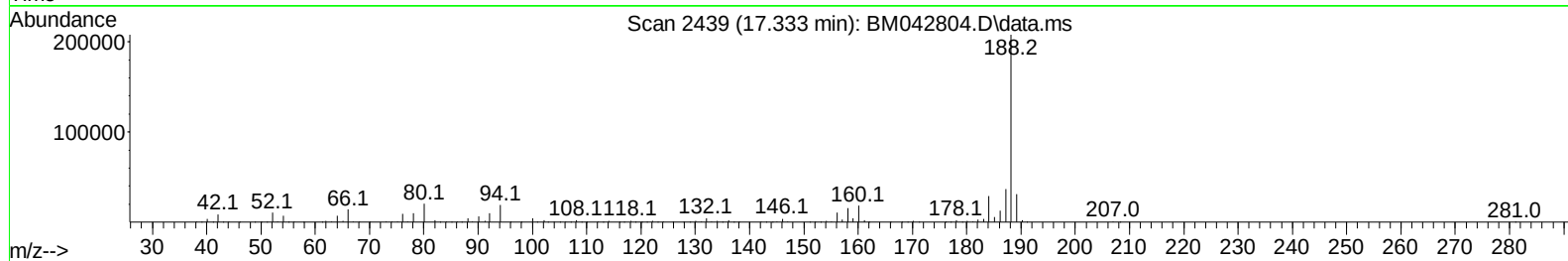
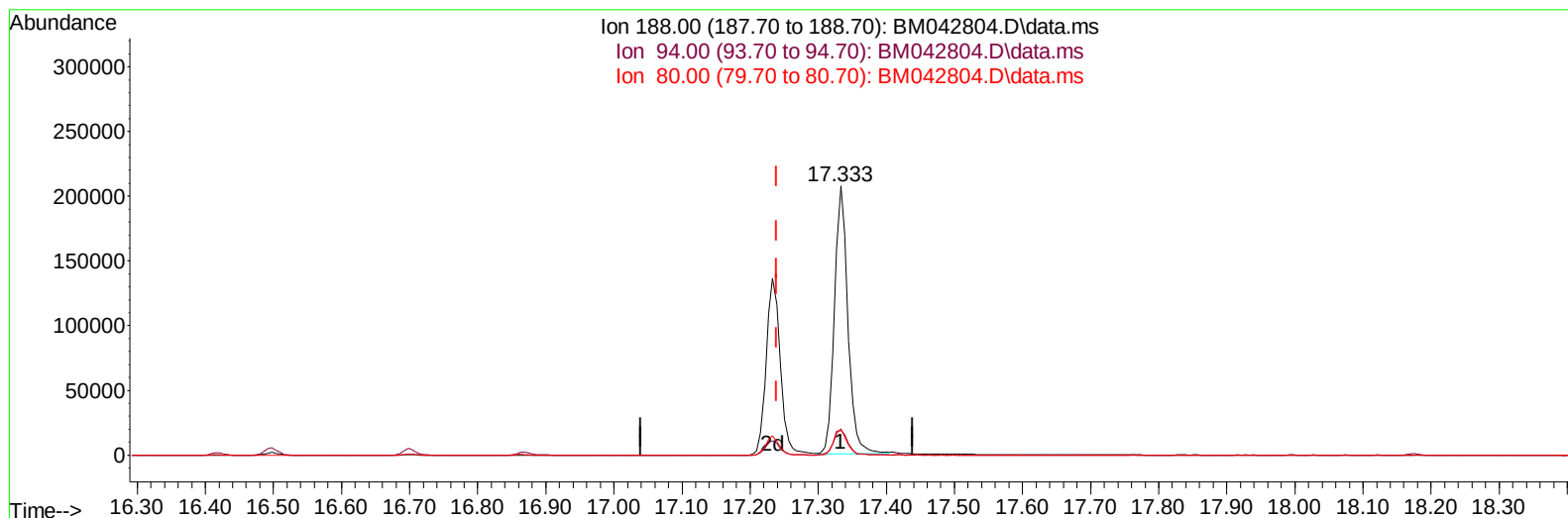
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111323\
 Data File : BM042804.D
 Acq On : 16 Nov 2023 13:07
 Operator : MA/JU
 Sample : PB156780BS
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SLCS780

Manual IntegrationsAPPROVED

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TIC: BM042804.D\data.ms

(64) Phenanthrene-d10 (I)

17.333min (+ 0.094) 20.00 ng/ul

response 283037

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	7.70	9.22
80.00	9.00	9.79
0.00	0.00	0.00

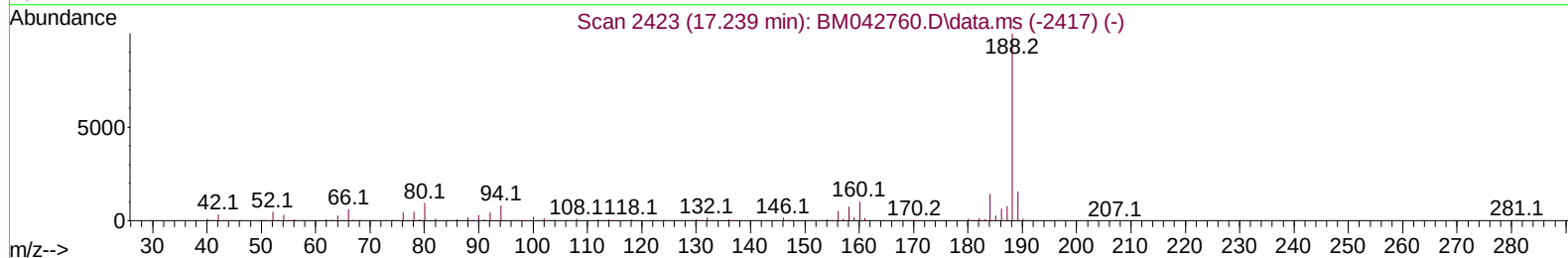
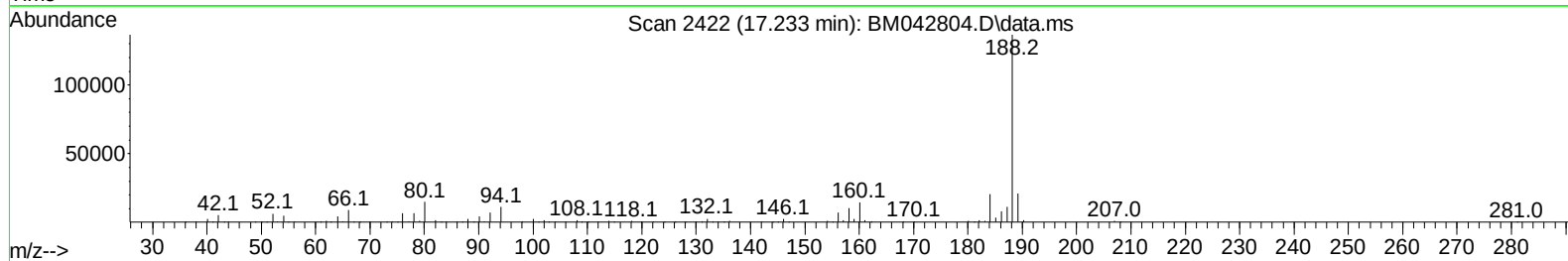
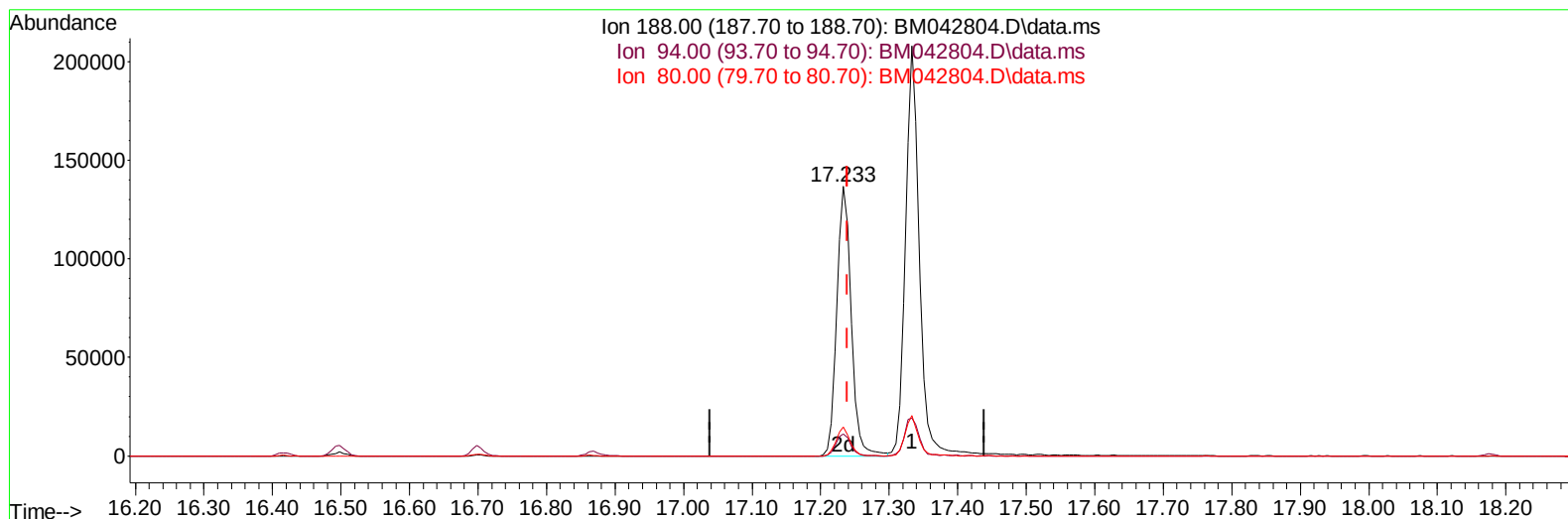
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 Acq On : 16 Nov 2023 13:07
 Operator : MA/JU
 Sample : PB156780BS
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SLCS780

Manual IntegrationsAPPROVED

Quant Time: Nov 16 13:44:26 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM111323.MA.M
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 QLast Update : Wed Nov 15 22:28:07 2023
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Reviewed By :Yogesh Patel 11/16/2023
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TIC: BM042804.D\data.ms

(64) Phenanthrene-d10 (I)

17.233min (-0.006) 20.00 ng/ul m

response 197616

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	7.70	8.12
80.00	9.00	10.84#
0.00	0.00	0.00

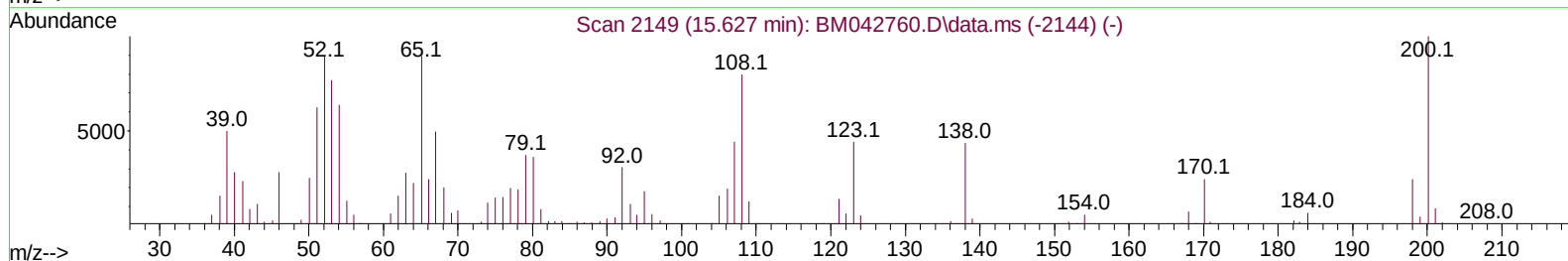
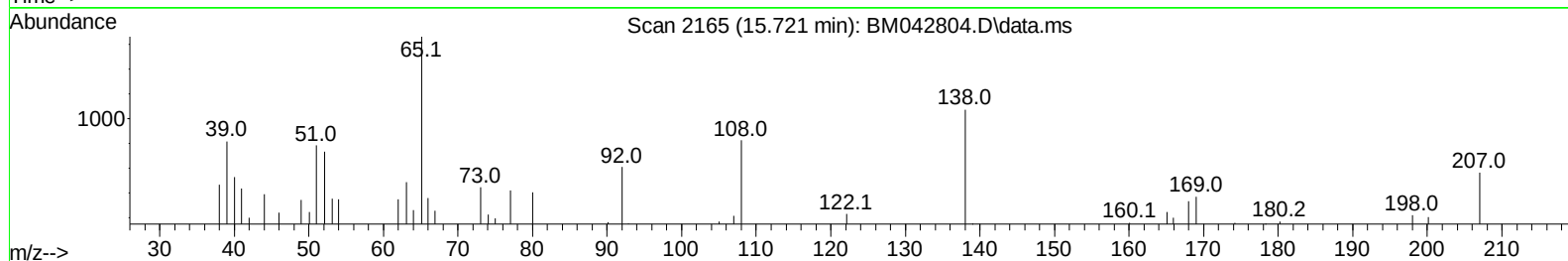
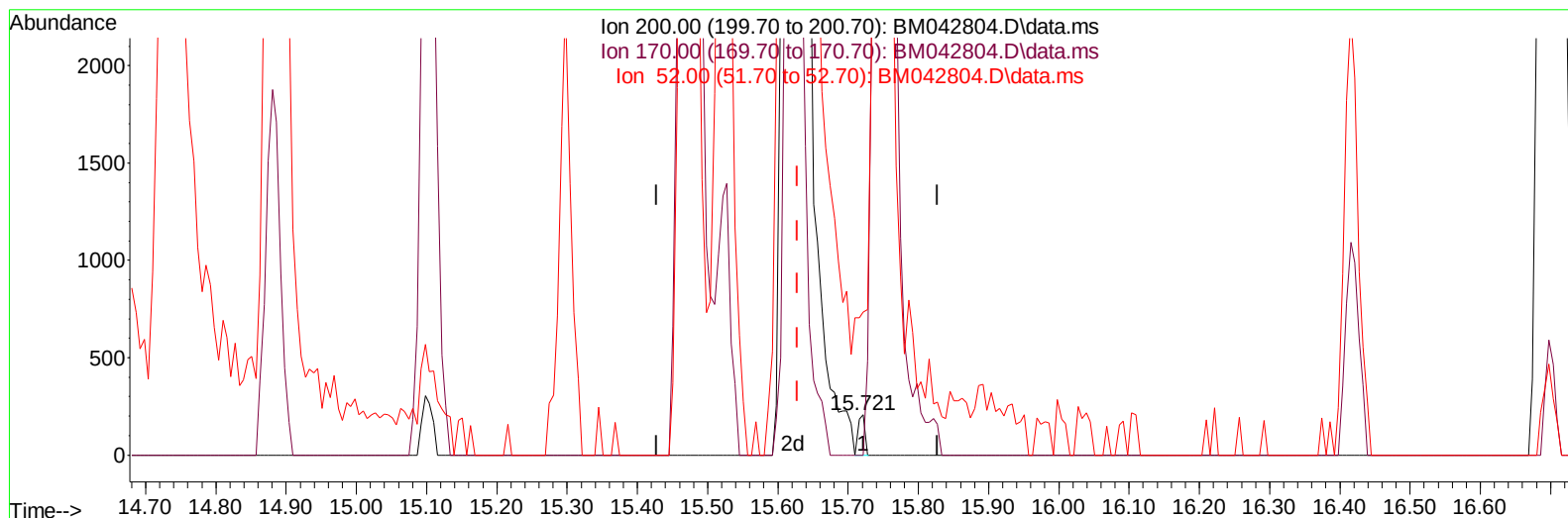
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Data File : BM042804.D
Acq On : 16 Nov 2023 13:07
Operator : MA/JU
Sample : PB156780BS
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
SLCS780

Manual IntegrationsAPPROVED

Quant Time: Nov 16 13:46:03 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM111323.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Nov 15 22:28:07 2023
Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/16/2023
Supervised By :mohammad ahmed 11/19/2023



TIC: BM042804.D\data.ms

(65) 4,6-Dinitro-2-methylphenol-d2 (S)

15.721min (+ 0.094) 0.09 ng/u1

response 138

Ion	Exp%	Act%
200.00	100.00	100.00
170.00	21.40	0.00#
52.00	74.30	355.56#
0.00	0.00	0.00

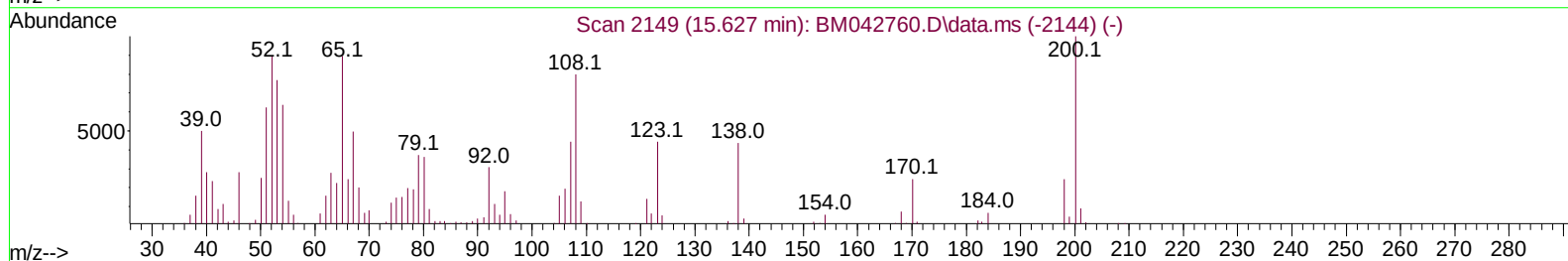
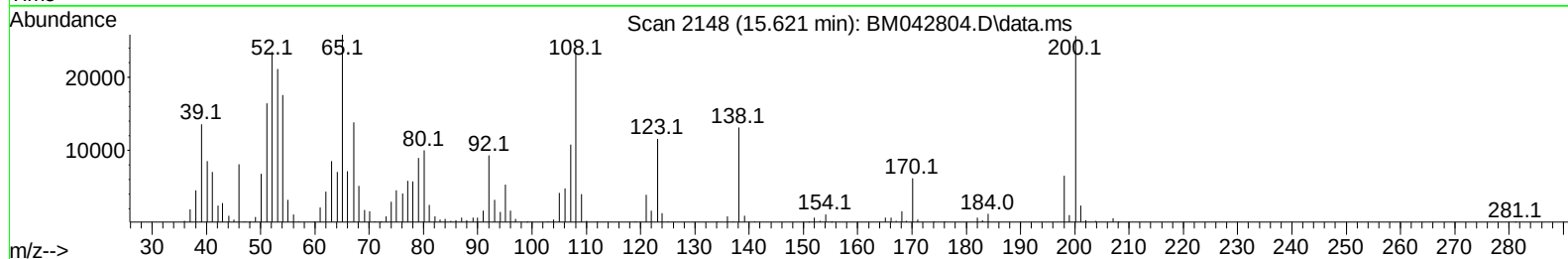
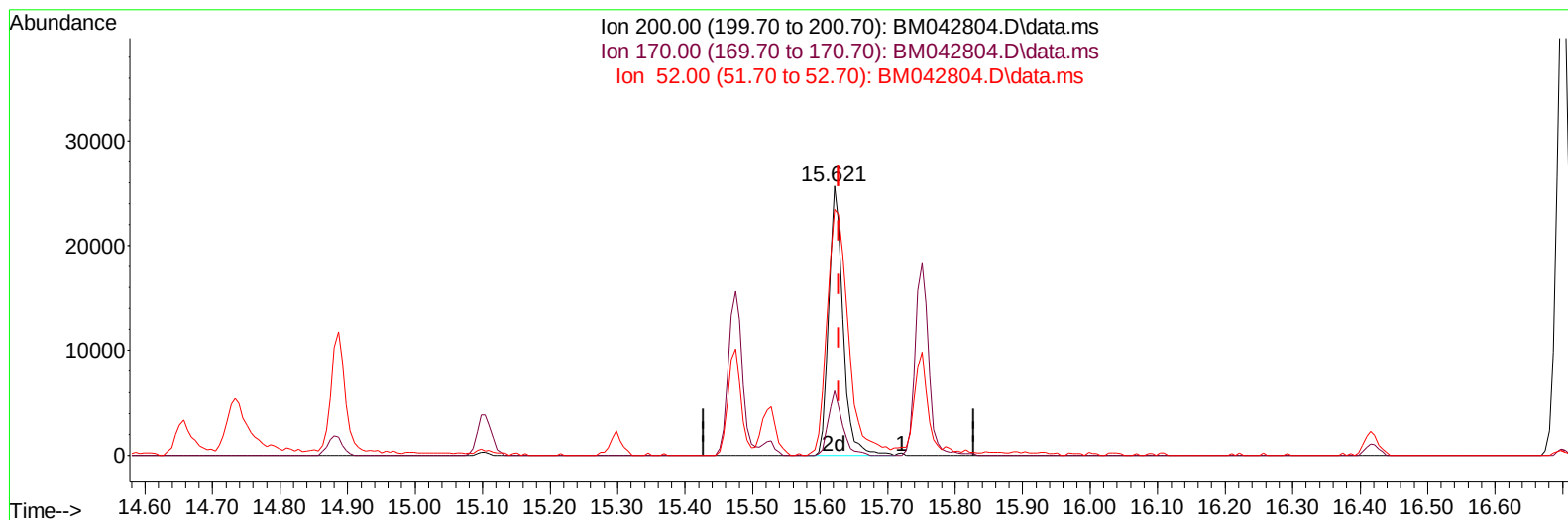
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 Acq On : 16 Nov 2023 13:07
 Operator : MA/JU
 Sample : PB156780BS
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SLCS780

Manual IntegrationsAPPROVED

Quant Time: Nov 16 13:46:03 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM111323.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Nov 15 22:28:07 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/16/2023
 Supervised By :mohammad ahmed 11/19/2023



TIC: BM042804.D\data.ms

(65) 4,6-Dinitro-2-methylphenol-d2 (S)

15.621min (-0.006) 24.77 ng/ul m

response 37078

Ion	Exp%	Act%
200.00	100.00	100.00
170.00	21.40	23.95
52.00	74.30	91.44#
0.00	0.00	0.00

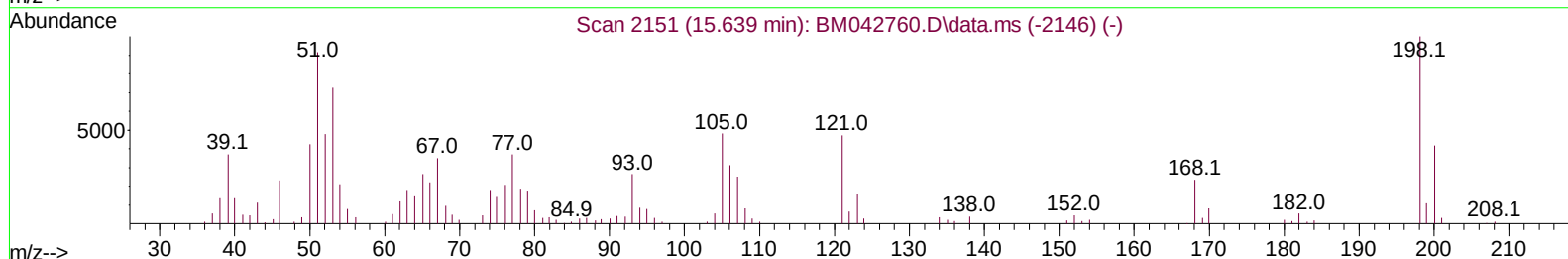
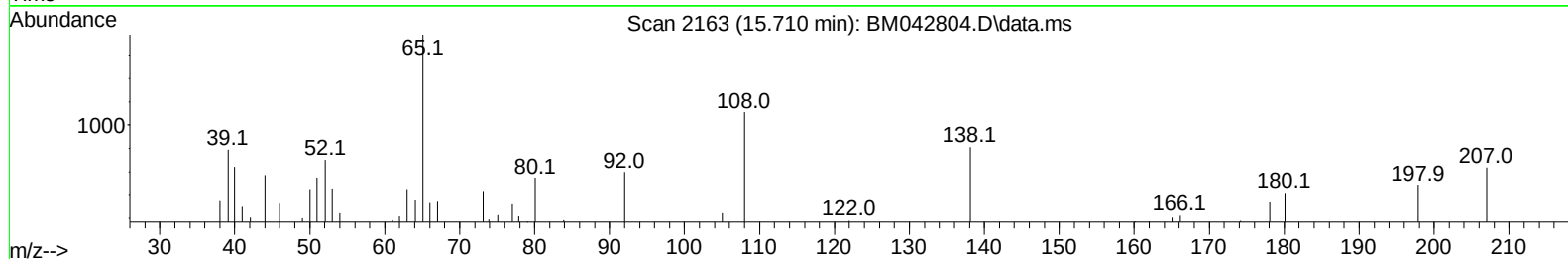
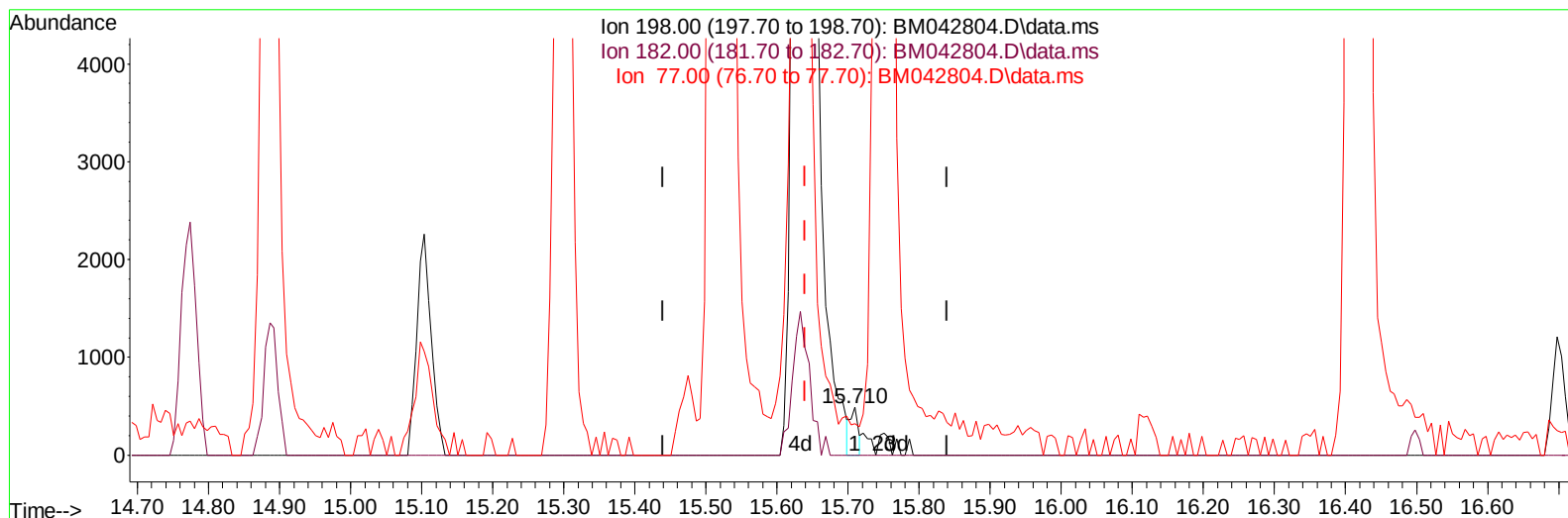
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111323\
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 Acq On : 16 Nov 2023 13:07
 Operator : MA/JU
 Sample : PB156780BS
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SLCS780

Manual IntegrationsAPPROVED

Quant Time: Nov 16 13:46:03 2023
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TIC: BM042804.D\data.ms

(66) 4,6-Dinitro-2-methylphenol

15.710min (+ 0.070) 0.25 ng/ul

response 374

Ion	Exp%	Act%
198.00	100.00	100.00
182.00	4.20	0.00#
77.00	33.60	65.64#
0.00	0.00	0.00

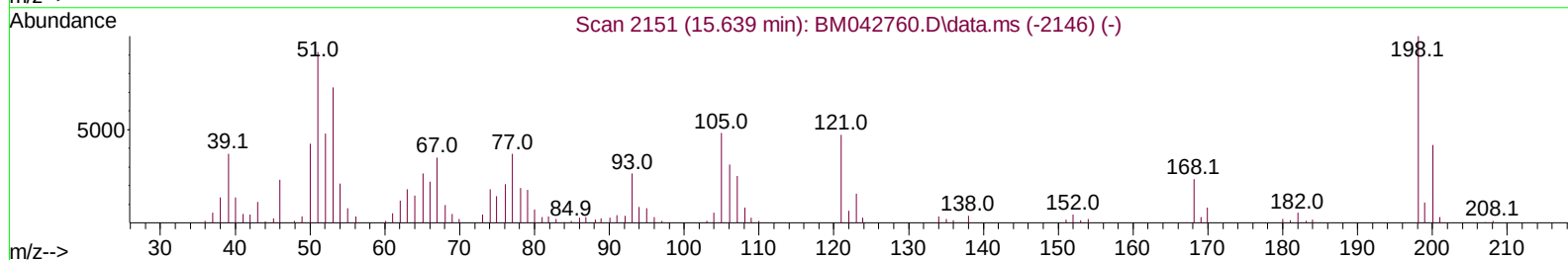
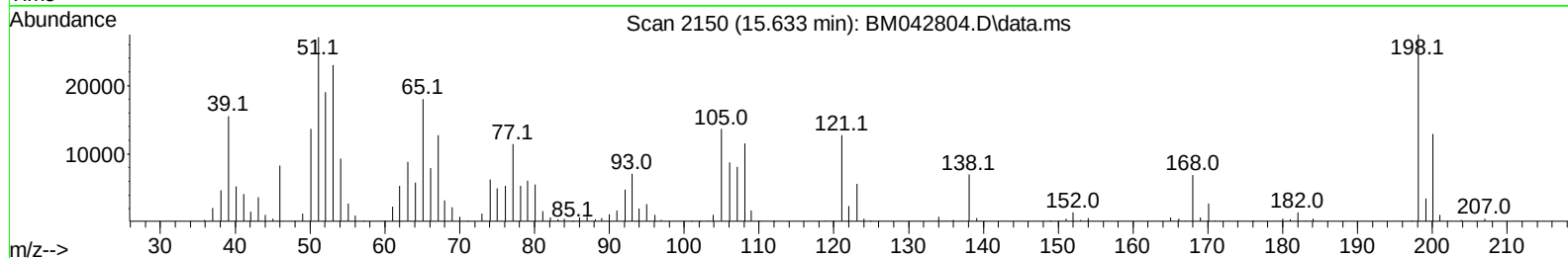
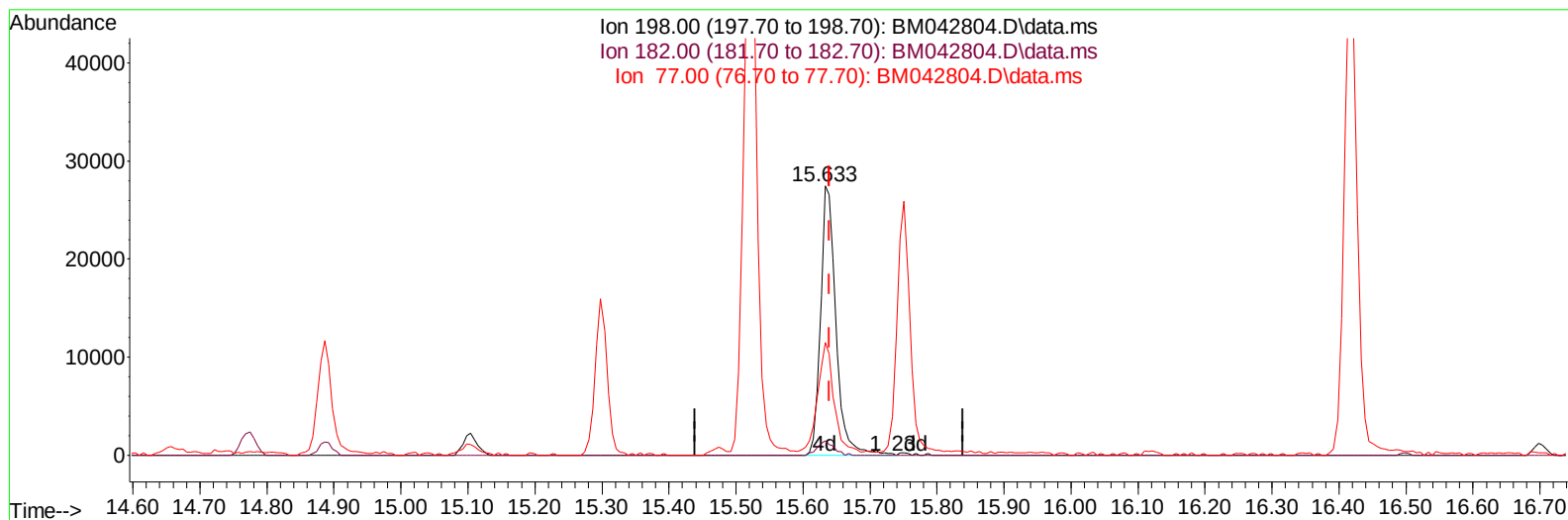
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 Acq On : 16 Nov 2023 13:07
 Operator : MA/JU
 Sample : PB156780BS
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SLCS780

Manual IntegrationsAPPROVED

Quant Time: Nov 16 13:46:03 2023
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TIC: BM042804.D\data.ms

(66) 4,6-Dinitro-2-methylphenol

15.633min (-0.006) 28.59 ng/ul m

response 43573

Ion	Exp%	Act%
198.00	100.00	100.00
182.00	4.20	5.34#
77.00	33.60	41.80#
0.00	0.00	0.00

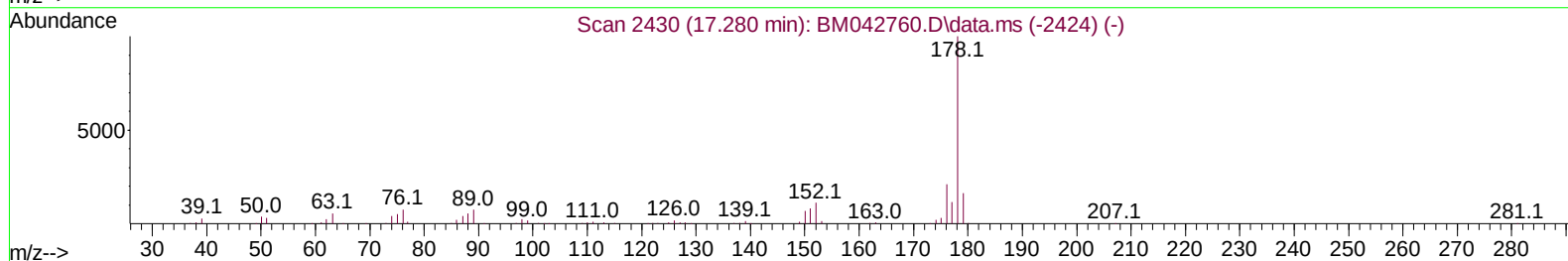
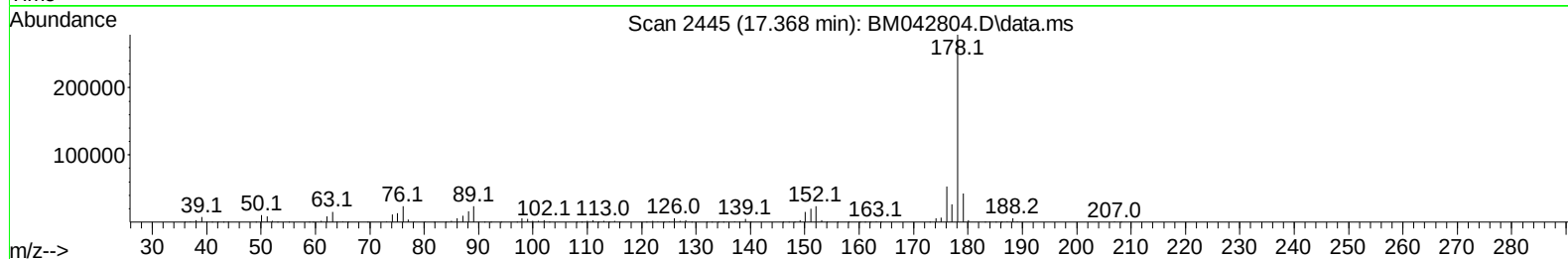
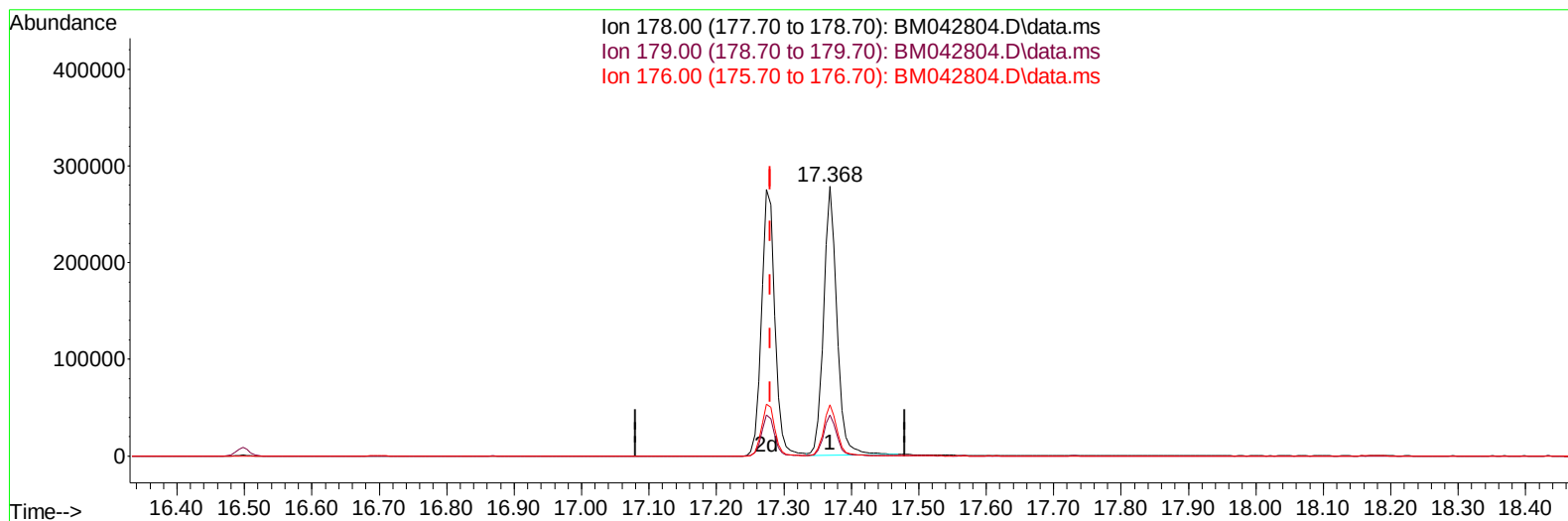
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111323\
Data File : BM042804.D
Acq On : 16 Nov 2023 13:07
Operator : MA/JU
Sample : PB156780BS
Misc :
ALS Vial : 43 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
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Manual IntegrationsAPPROVED

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TIC: BM042804.D\data.ms

(72) Phenanthrene

17.368min (+ 0.088) 30.90 ng/ul

response 381467

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	14.30	15.32
176.00	19.40	19.05
0.00	0.00	0.00

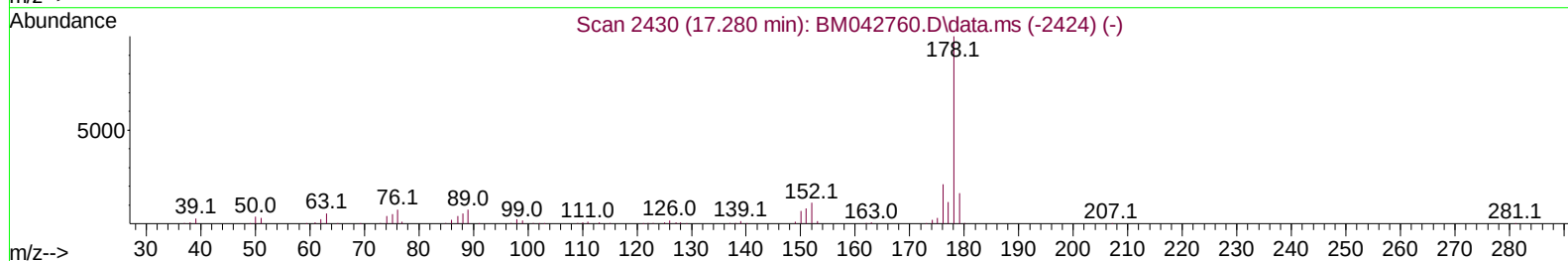
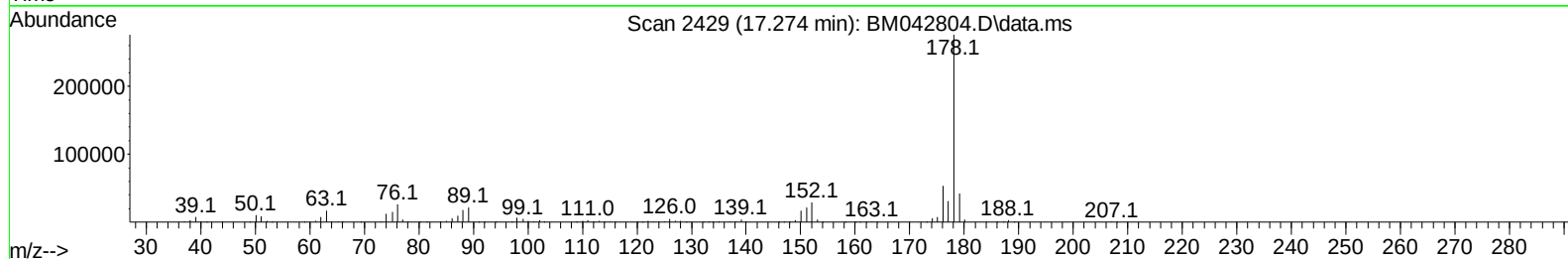
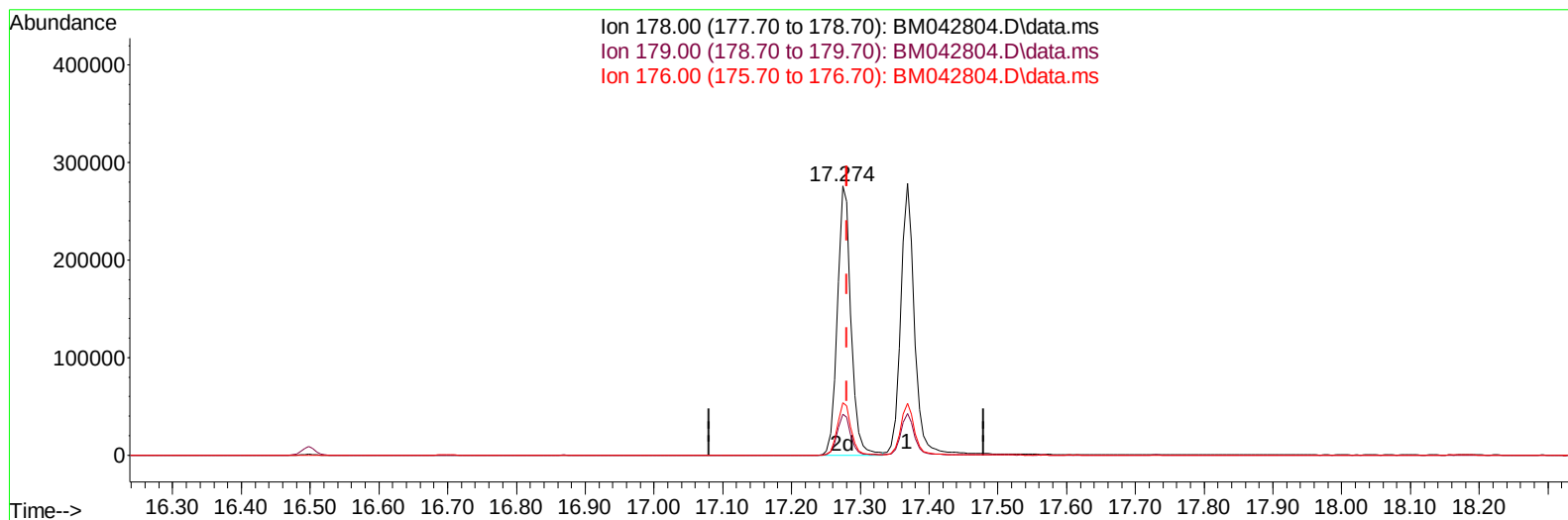
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111323\
 Data File : BM042804.D
 Acq On : 16 Nov 2023 13:07
 Operator : MA/JU
 Sample : PB156780BS
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SLCS780

Manual IntegrationsAPPROVED

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Reviewed By :Yogesh Patel 11/16/2023
 Supervised By :mohammad ahmed 11/19/2023



TIC: BM042804.D\data.ms

(72) Phenanthrene

17.274min (-0.006) 30.72 ng/ul m

response 379201

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	14.30	15.31
176.00	19.40	19.45
0.00	0.00	0.00

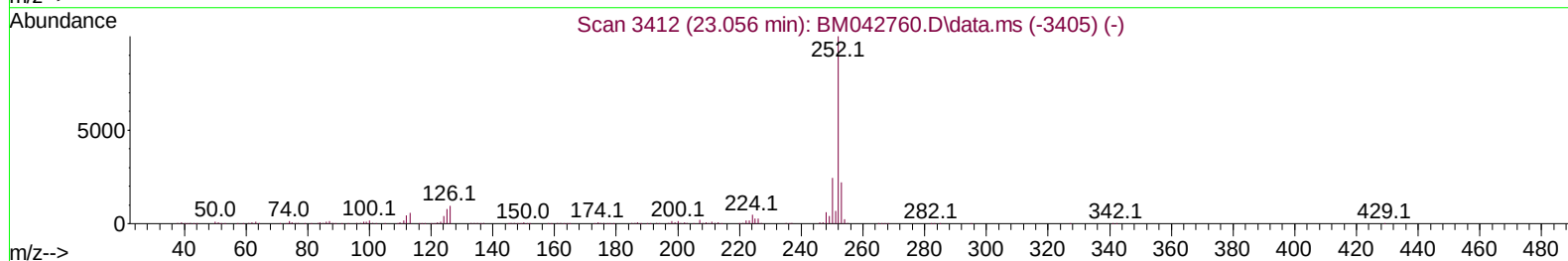
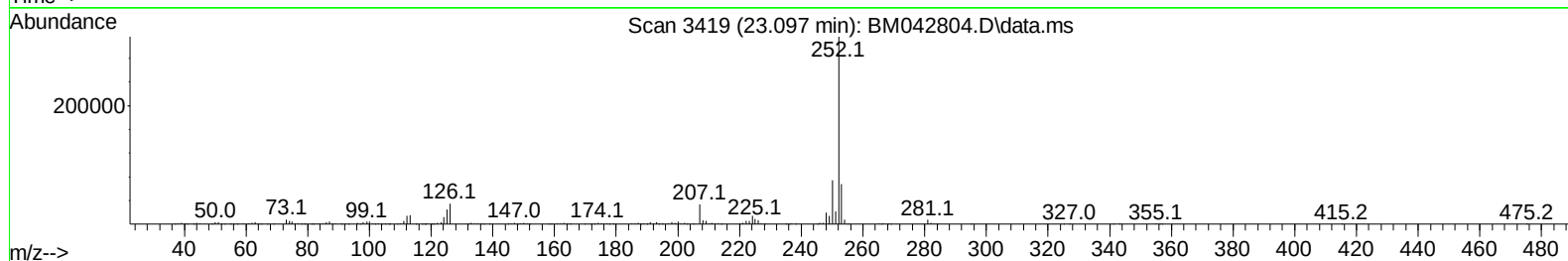
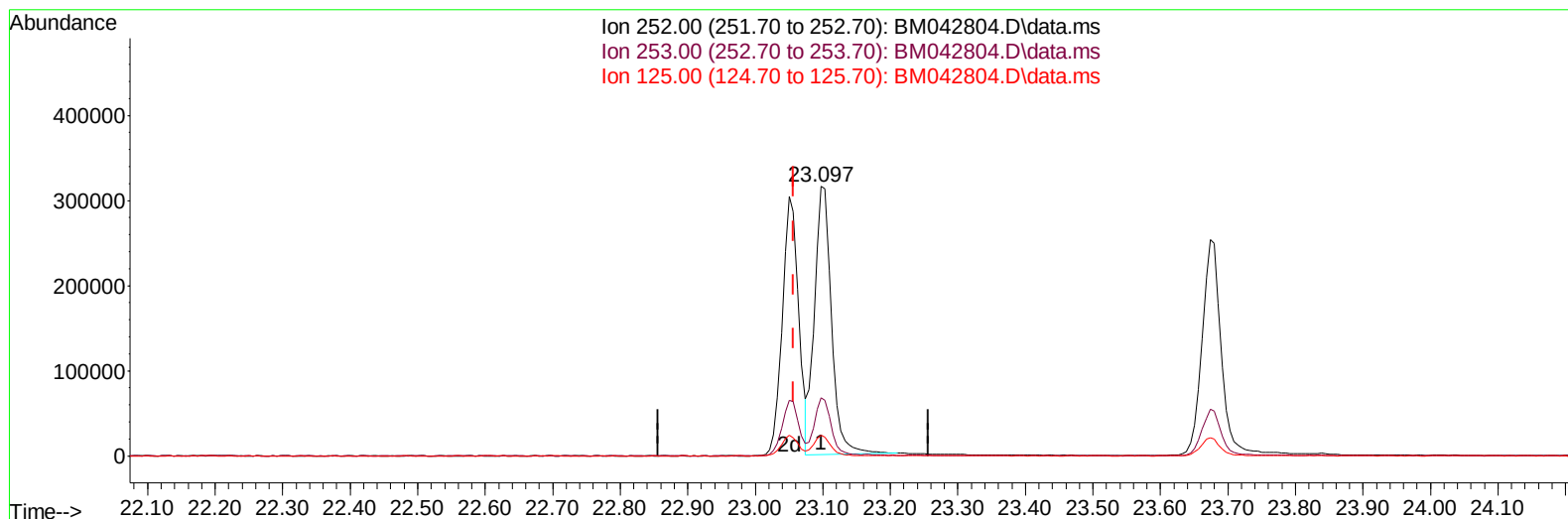
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111323\
Data File : BM042804.D
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ALS Vial : 43 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Supervised By :mohammad ahmed 11/19/2023



TIC: BM042804.D\data.ms

(90) Benzo(b)fluoranthene

23.097min (+ 0.041) 33.59 ng/ul

response 553554

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	21.30	21.52
125.00	6.50	7.75
0.00	0.00	0.00

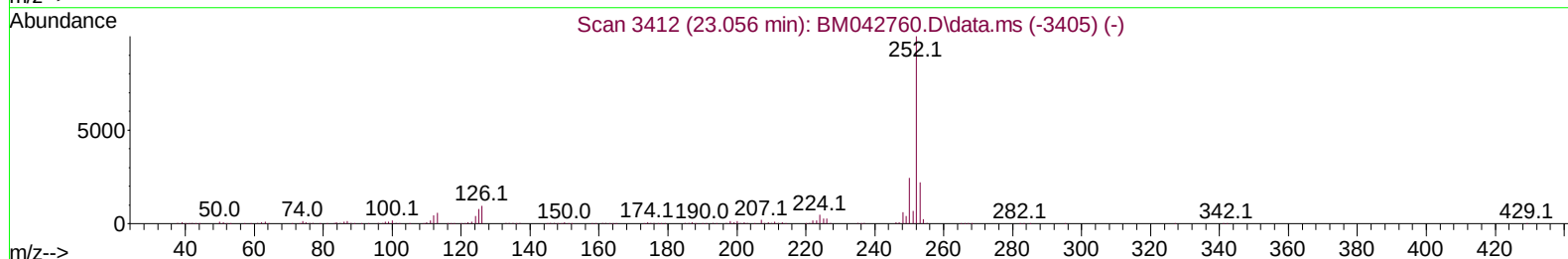
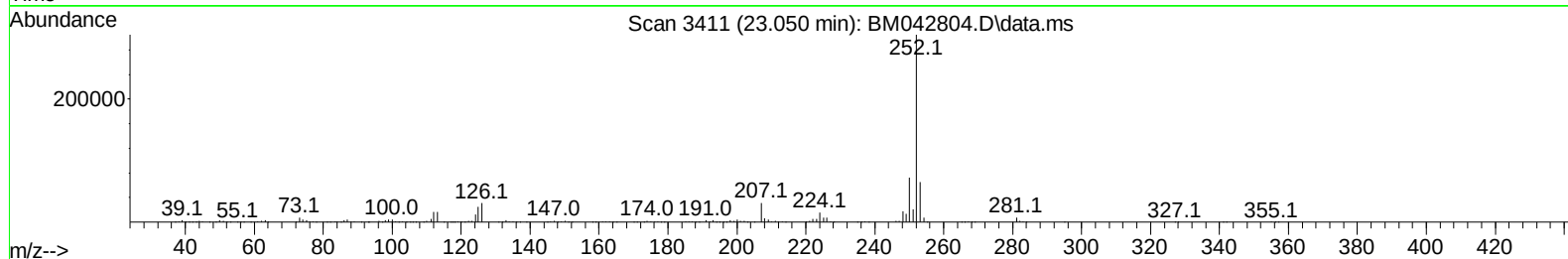
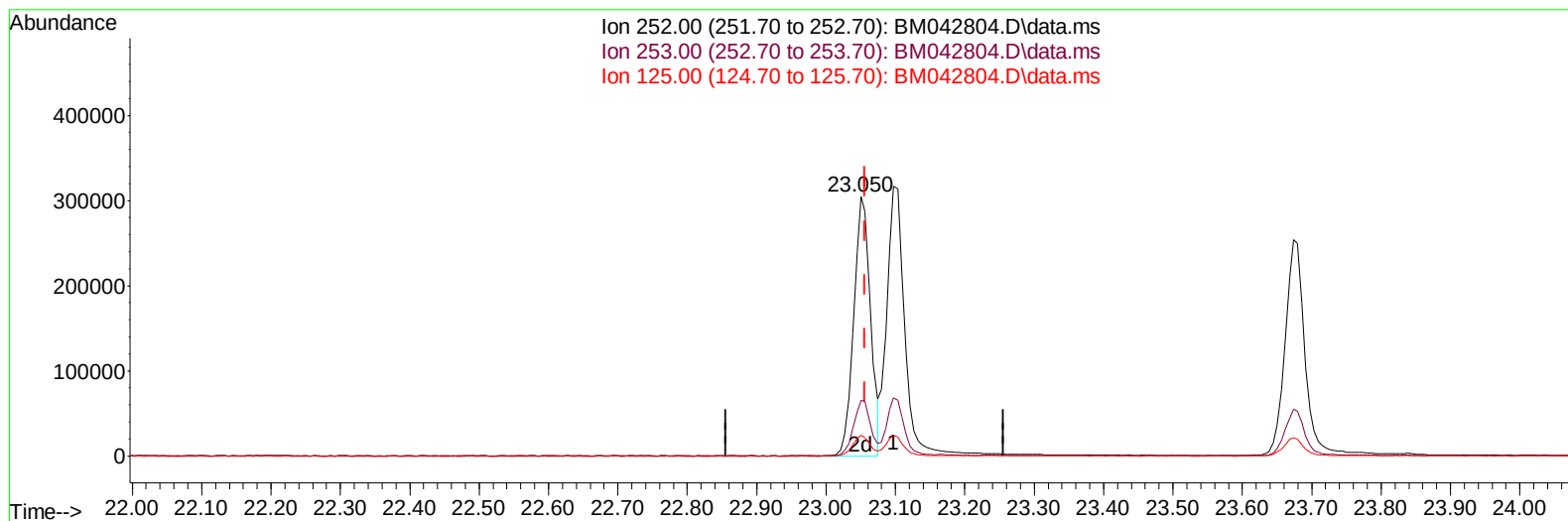
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111323\
 Data File : BM042804.D
 Acq On : 16 Nov 2023 13:07
 Operator : MA/JU
 Sample : PB156780BS
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SLCS780

Manual IntegrationsAPPROVED

Quant Time: Nov 16 13:46:03 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM111323.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Nov 15 22:28:07 2023
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/16/2023
 Supervised By :mohammad ahmed 11/19/2023



TIC: BM042804.D\data.ms

(90) Benzo(b)fluoranthene

23.050min (-0.006) 31.04 ng/ul m

response 511581

Ion	Exp%	Act%
252.00	100.00	100.00
253.00	21.30	21.45
125.00	6.50	8.09#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM111323\
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Compound	R.T.	Q	Ion	Response	Conc	Units	Dev(Min)

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.822	152		34872	20.000	ng/ul	0.00
20) Naphthalene-d8	10.639	136		138091	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.480	164		90969	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.233	188		197616m	20.000	ng/ul	0.00
79) Chrysene-d12	21.415	240		218259	20.000	ng/ul	0.00
88) Perylene-d12	23.780	264		241497	20.000	ng/ul	0.00
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.175	96		5560	5.003	ng/uL	0.00
4) Pyridine-d5	3.610	84		73661	26.646	ng/ul	0.00
7) Phenol-d5	6.993	99		87917	25.904	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.175	67		67954	28.494	ng/ul	0.00
11) 2-Chlorophenol-d4	7.346	132		65426	24.983	ng/ul	0.00
15) 4-Methylphenol-d8	8.545	113		66591	24.919	ng/ul	0.00
21) Nitrobenzene-d5	9.028	128		31191	25.763	ng/ul	0.00
24) 2-Nitrophenol-d4	9.739	143		34162	24.120	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.263	165		67652	25.689	ng/ul	0.00
31) 4-Chloroaniline-d4	10.810	131		77482	23.173	ng/ul	0.00
46) Dimethylphthalate-d6	13.904	166		217176	25.225	ng/ul	0.00
49) Acenaphthylene-d8	14.180	160		237076	25.736	ng/ul	0.00
54) 4-Nitrophenol-d4	14.727	143		22201	22.824	ng/ul	-0.01
60) Fluorene-d10	15.474	176		180200	25.275	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.621	200		37078m	24.770	ng/ul	0.00
73) Anthracene-d10	17.333	188		285077	25.741	ng/ul	0.00
81) Pyrene-d10	19.627	212		365829	25.596	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.627	264		380133	26.315	ng/ul	0.00
Target Compounds							
						Qvalue	
2) 1,4-Dioxane	3.210	88		13441	11.357	ng/uL	87
5) Pyridine	3.634	79		83317	27.717	ng/ul	98
6) Benzaldehyde	6.987	77		59790	30.705	ng/ul	94
8) Phenol	7.016	94		101723	30.132	ng/ul	94
10) Bis(2-Chloroethyl)ether	7.269	93		84352	30.249	ng/ul	89
12) 2-Chlorophenol	7.381	128		76862	29.492	ng/ul#	85
13) 2-Methylphenol	8.275	108		71486	28.396	ng/ul	97
14) 2,2'-oxybis(1-Chloropr...	8.334	45		166605m	32.820	ng/ul	
16) Acetophenone	8.681	105		124539	27.716	ng/ul	95
17) N-Nitroso-di-n-propyla...	8.645	70		80031	29.258	ng/ul	90
18) 4-Methylphenol	8.610	108		78194	28.569	ng/ul	95
19) Hexachloroethane	8.875	117		42990	29.595	ng/ul	85
22) Nitrobenzene	9.069	77		117233	32.038	ng/ul	98
23) Isophorone	9.575	82		214346	29.411	ng/ul	98
25) 2-Nitrophenol	9.769	139		40559	28.186	ng/ul	93
26) 2,4-Dimethylphenol	9.810	107		78924	25.635	ng/ul	96
27) Bis(2-Chloroethoxy)met...	10.063	93		114193	31.007	ng/ul	99
29) 2,4-Dichlorophenol	10.286	162		75247	30.179	ng/ul	99
30) Naphthalene	10.686	128		253003	29.245	ng/ul	99
32) 4-Chloroaniline	10.834	127		74725	23.294	ng/ul	98
33) Hexachlorobutadiene	10.910	225		64050	29.081	ng/ul	96
34) Caprolactam	11.663	113		21412m	28.963	ng/ul	
35) 4-Chloro-3-methylphenol	11.945	107		79753	29.851	ng/ul	92

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Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/16/2023
 Supervised By :mohammad ahmed 11/19/2023

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 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Nov 15 22:28:07 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 2-Methylnaphthalene	12.298	142	168887	29.128	ng/ul	99
37) 1-Methylnaphthalene	12.522	142	169669	27.832	ng/ul	97
39) 1,2,4,5-Tetrachloroben...	12.651	216	107539	30.143	ng/ul	97
40) Hexachlorocyclopentadiene	12.592	237	40585	24.028	ng/ul	96
41) 2,4,6-Trichlorophenol	12.916	196	63679	29.221	ng/ul	97
42) 2,4,5-Trichlorophenol	12.992	196	63206	30.037	ng/ul	99
43) 1,1'-Biphenyl	13.316	154	228079	30.064	ng/ul	98
44) 2-Chloronaphthalene	13.363	162	183160	30.011	ng/ul	97
45) 2-Nitroaniline	13.610	65	65444	32.880	ng/ul	90
47) Dimethylphthalate	13.951	163	244312	29.134	ng/ul	100
48) 2,6-Dinitrotoluene	14.104	165	45374	28.801	ng/ul	95
50) Acenaphthylene	14.210	152	308852	29.922	ng/ul	100
51) 3-Nitroaniline	14.445	138	35728	27.734	ng/ul	98
52) Acenaphthene	14.545	153	209290	29.981	ng/ul	98
53) 2,4-Dinitrophenol	14.657	184	18985	24.236	ng/ul	88
55) 4-Nitrophenol	14.745	109	44429	29.026	ng/ul	97
56) Dibenzofuran	14.880	168	287757	29.699	ng/ul	99
57) 2,4-Dinitrotoluene	14.886	165	70395	30.436	ng/ul	92
58) 2,3,4,6-Tetrachlorophenol	15.104	232	63490	29.067	ng/ul	98
59) Diethylphthalate	15.298	149	256271	29.144	ng/ul	99
61) Fluorene	15.527	166	252180	30.656	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.521	204	137318	30.974	ng/ul	99
63) 4-Nitroaniline	15.616	138	36027	30.675	ng/ul	93
66) 4,6-Dinitro-2-methylph...	15.633	198	43573m	28.592	ng/ul	
67) N-Nitrosodiphenylamine	15.751	169	190480	30.732	ng/ul	99
68) 4-Bromophenyl-phenylether	16.421	248	79668	30.287	ng/ul	91
69) Hexachlorobenzene	16.498	284	97529	30.329	ng/ul	98
70) Atrazine	16.698	200	59490	24.918	ng/ul	98
71) Pentachlorophenol	16.868	266	49719	26.850	ng/ul	98
72) Phenanthrene	17.274	178	379201m	30.716	ng/ul	
74) Anthracene	17.368	178	377846	30.428	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.269	216	106901	30.593	ng/uL	100
76) Pentachlorobenzene	14.774	250	109984	29.997	ng/uL	98
77) Carbazole	17.662	167	313017	30.527	ng/ul	99
78) Di-n-butylphthalate	18.180	149	455371	30.370	ng/ul	99
80) Fluoranthene	19.292	202	480577	29.490	ng/ul	98
82) Pyrene	19.656	202	517248	29.935	ng/ul	97
83) Butylbenzylphthalate	20.545	149	205512	27.846	ng/ul	95
84) 3,3'-Dichlorobenzidine	21.350	252	154106	27.588	ng/ul	97
85) Benzo(a)anthracene	21.403	228	532121	31.058	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.286	149	321606	28.721	ng/ul	98
87) Chrysene	21.456	228	486437	29.275	ng/ul	99
89) Di-n-octyl phthalate	22.197	149	561116	28.764	ng/ul	100
90) Benzo(b)fluoranthene	23.050	252	511581m	31.041	ng/ul	
91) Benzo(k)fluoranthene	23.097	252	553554	31.552	ng/ul	99
93) Benzo(a)pyrene	23.674	252	499276	31.089	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.244	276	633154	31.723	ng/ul	97
95) Dibenzo(a,h)anthracene	26.256	278	521108	31.493	ng/ul	99
96) Benzo(g,h,i)perylene	27.015	276	480458	30.315	ng/ul	99

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

Instrument :

BNA_M

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