

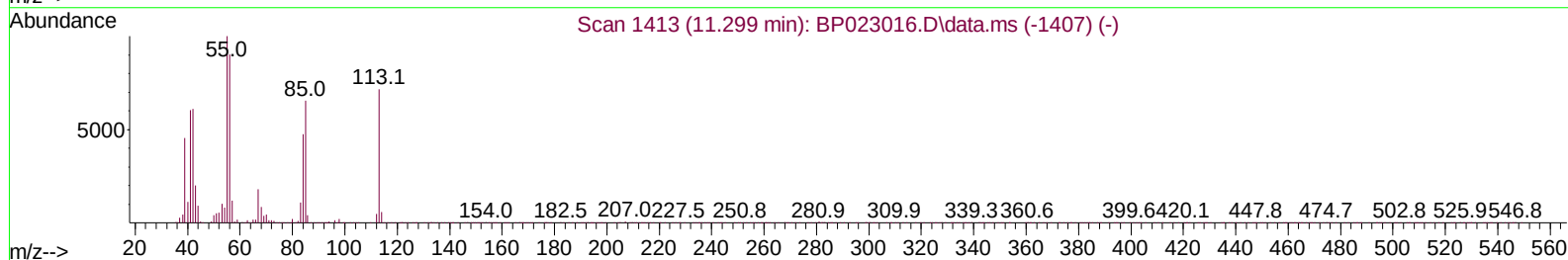
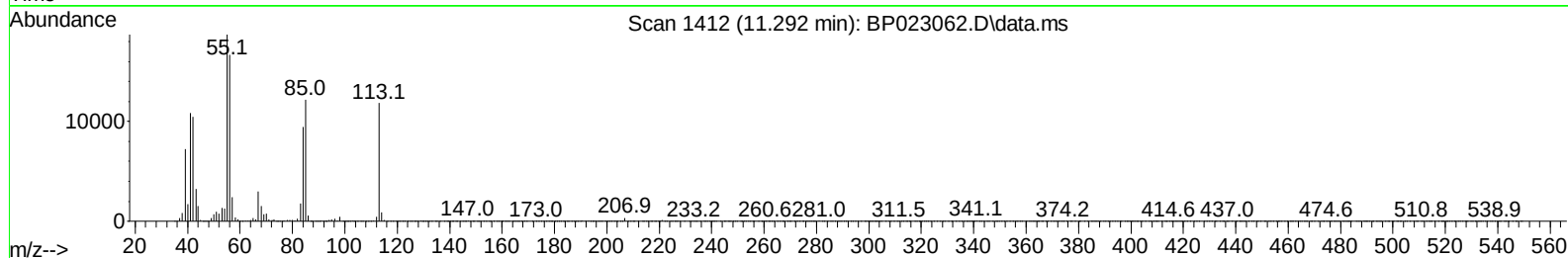
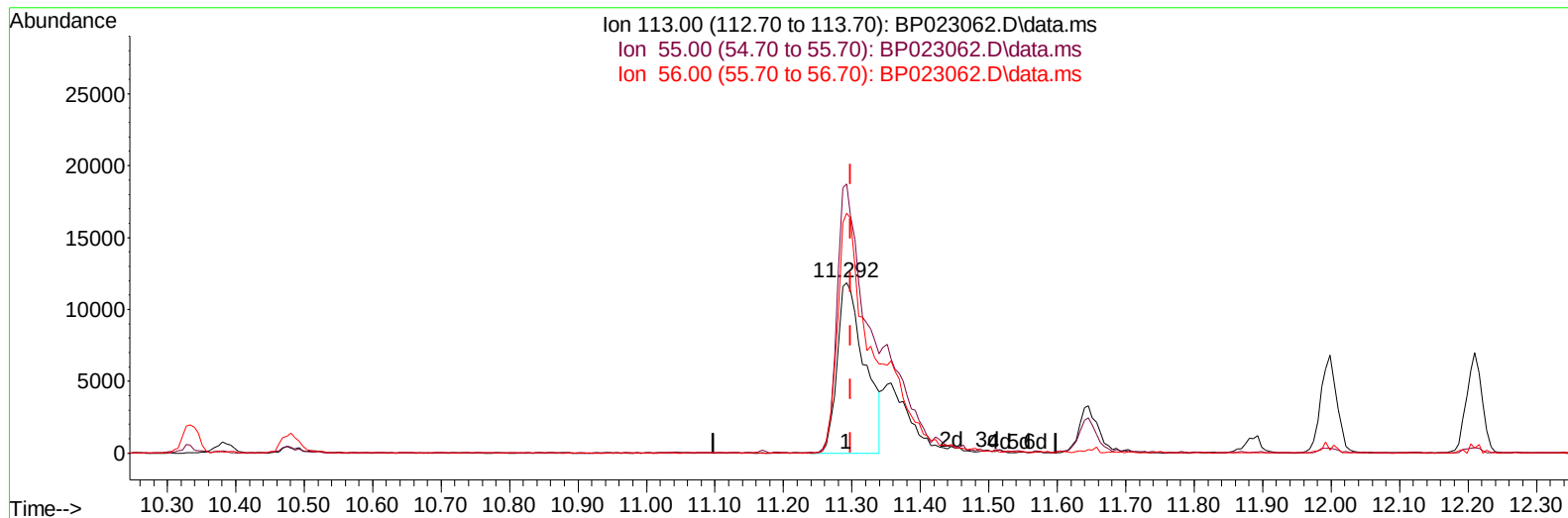
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111224\
Data File : BP023062.D
Acq On : 13 Nov 2024 01:21
Operator : RC/JU
Sample : PB164853BS
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SLCS853

Manual IntegrationsAPPROVED

Quant Time: Nov 13 03:49:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP110924.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Nov 12 23:59:19 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024



TIC: BP023062.D\data.ms

(34) Caprolactam

11.292min (-0.006) 25.07 ng/ul

response 32872

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	153.80	157.89
56.00	124.80	140.82
0.00	0.00	0.00

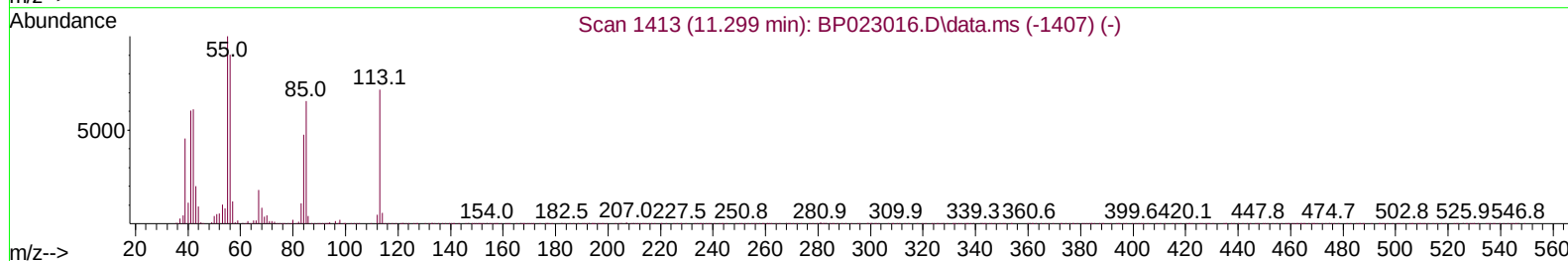
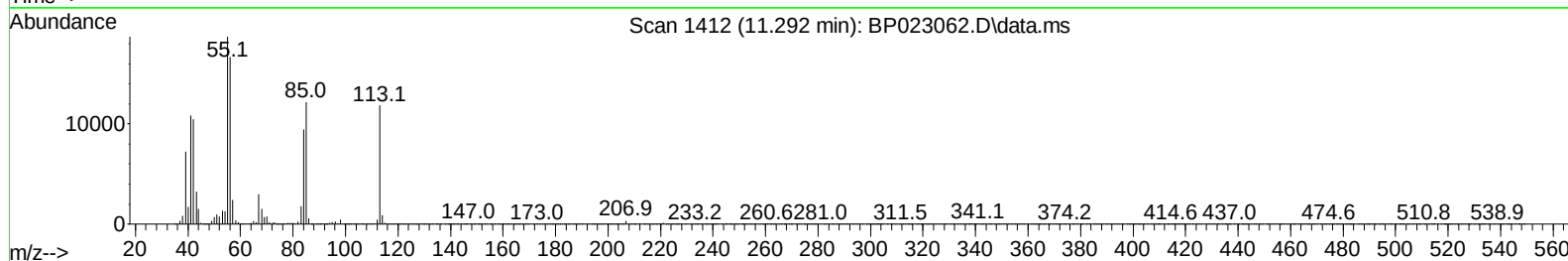
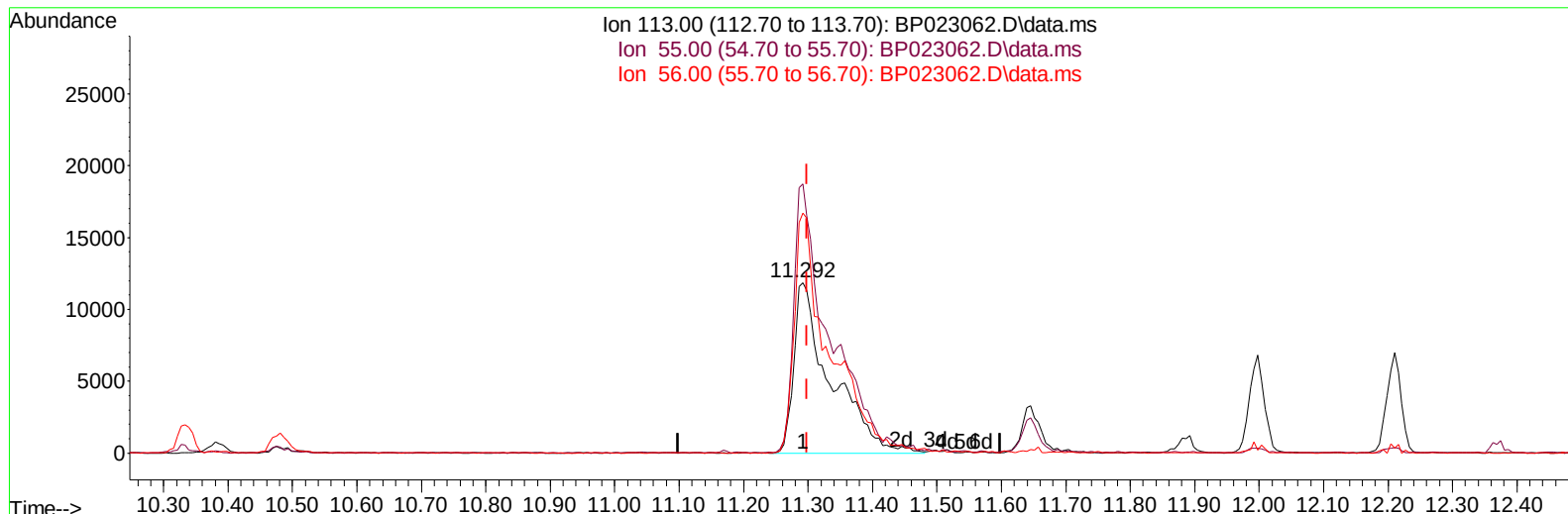
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111224\
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Manual IntegrationsAPPROVED

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Supervised By :mohammad ahmed 11/14/2024



TIC: BP023062.D\data.ms

(34) Caprolactam

11.292min (-0.006) 35.76 ng/ul m

response 46890

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	153.80	157.89
56.00	124.80	140.82
0.00	0.00	0.00

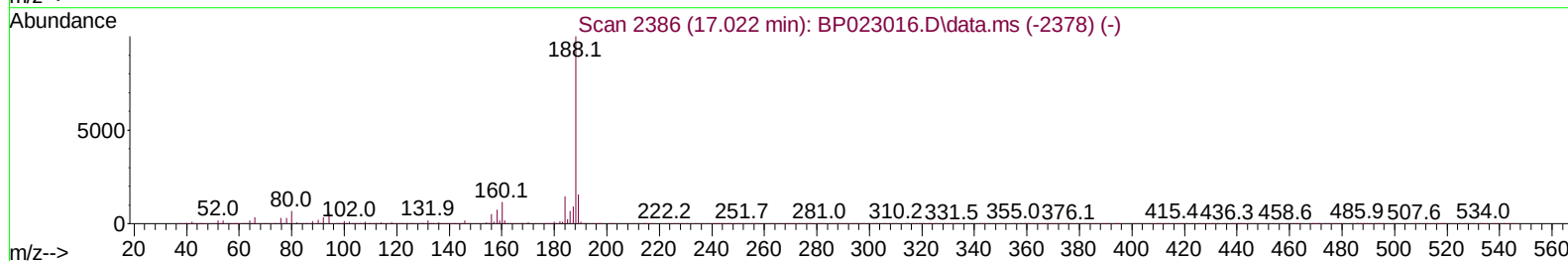
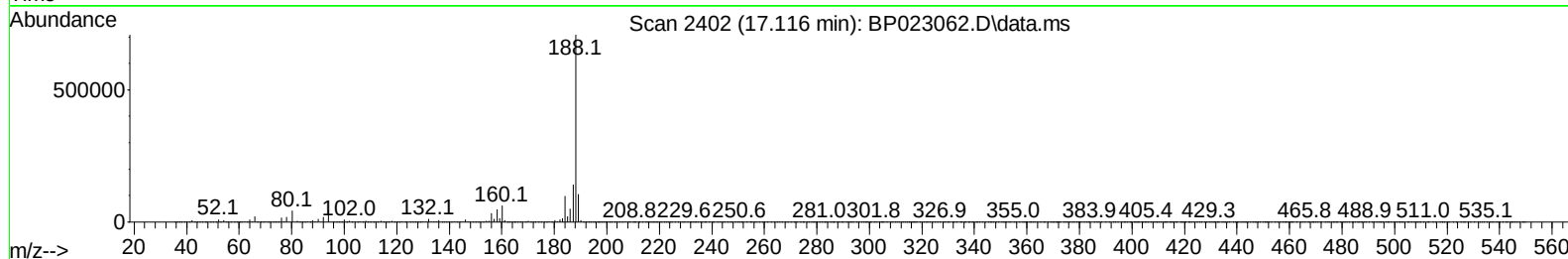
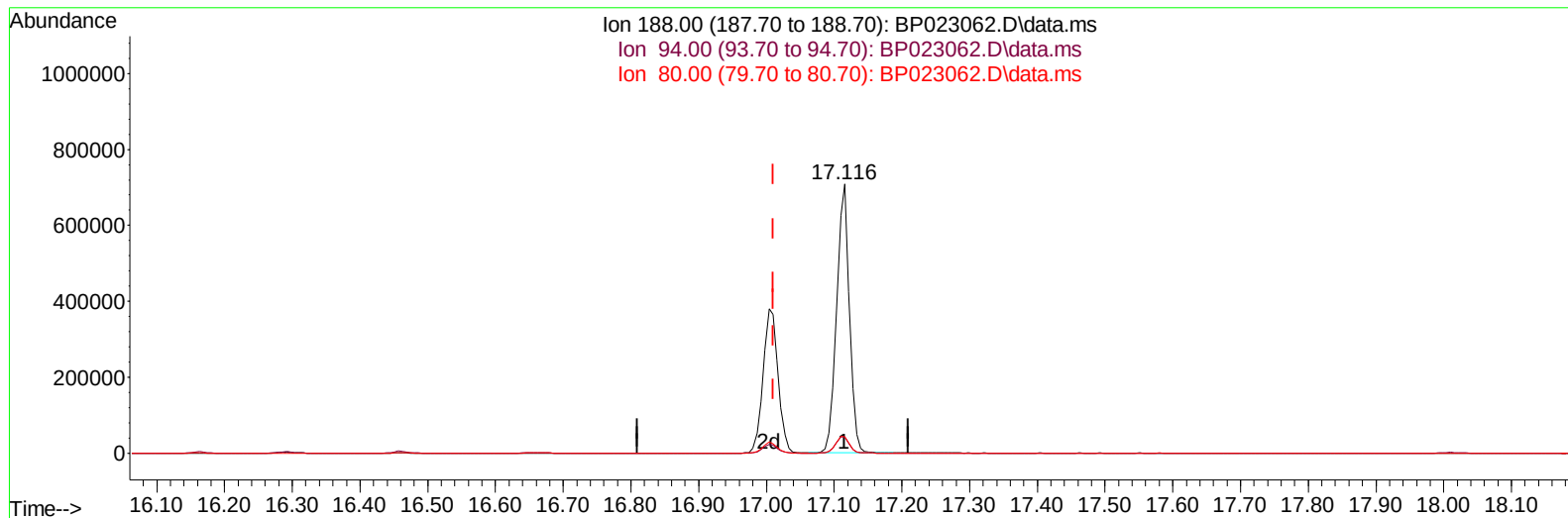
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111224\
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TIC: BP023062.D\data.ms

(64) Phenanthrene-d10 (I)

17.116min (+ 0.105) 20.00 ng/ul

response 923149

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	5.10	5.99
80.00	6.90	6.10
0.00	0.00	0.00

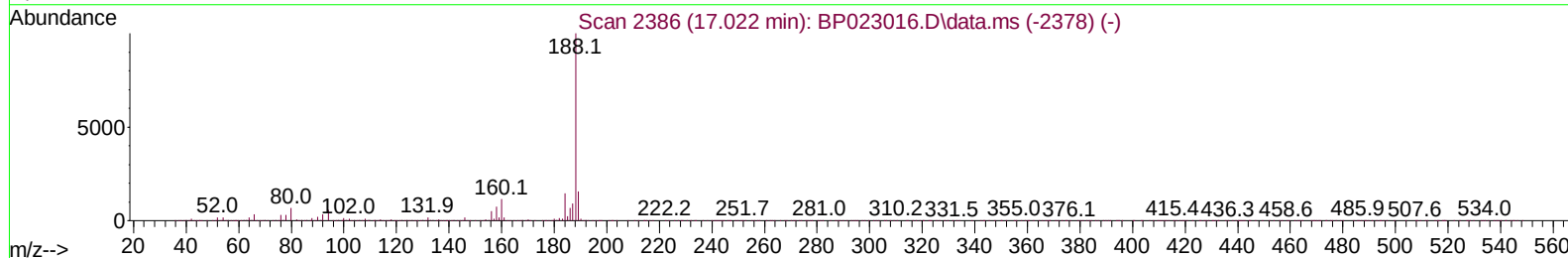
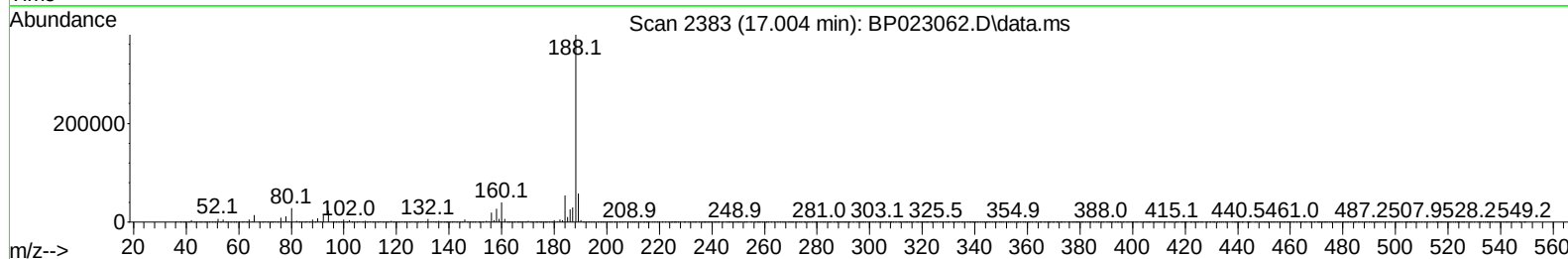
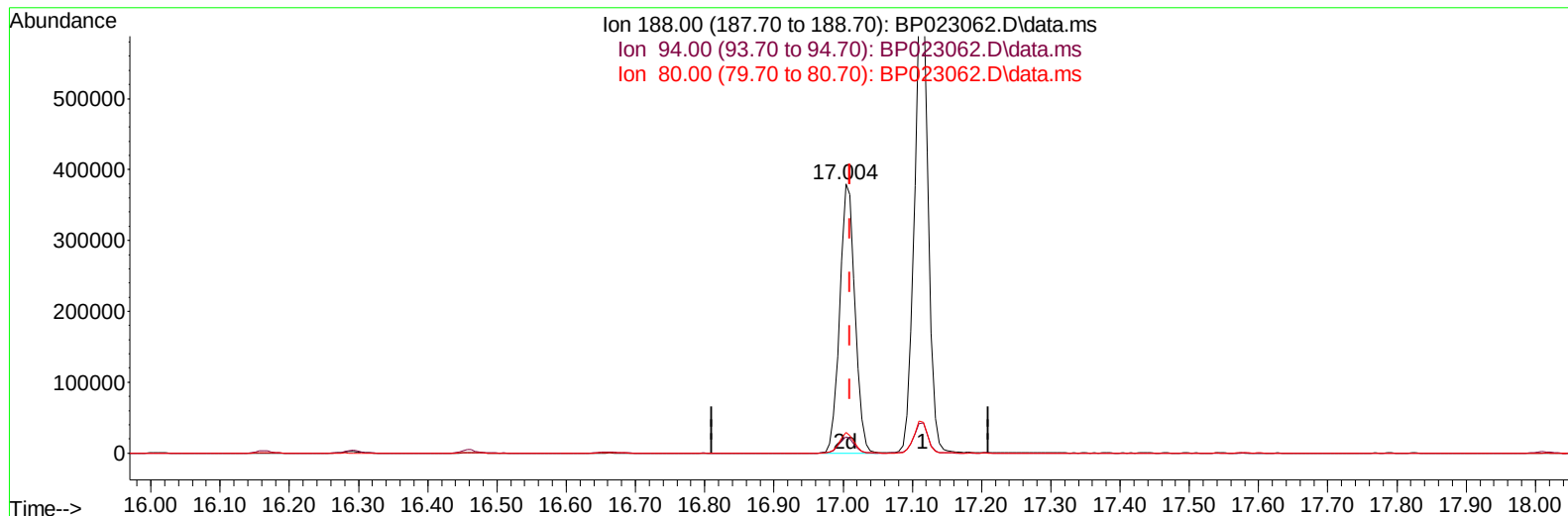
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111224\
 Data File : BP023062.D
 Acq On : 13 Nov 2024 01:21
 Operator : RC/JU
 Sample : PB164853BS
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
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Manual IntegrationsAPPROVED

Quant Time: Nov 13 03:49:31 2024
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 QLast Update : Tue Nov 12 23:59:19 2024
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 Supervised By :mohammad ahmed 11/14/2024



TIC: BP023062.D\data.ms

(64) Phenanthrene-d10 (I)

17.004min (-0.006) 20.00 ng/ul m

response 581892

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	5.10	6.13#
80.00	6.90	7.63
0.00	0.00	0.00

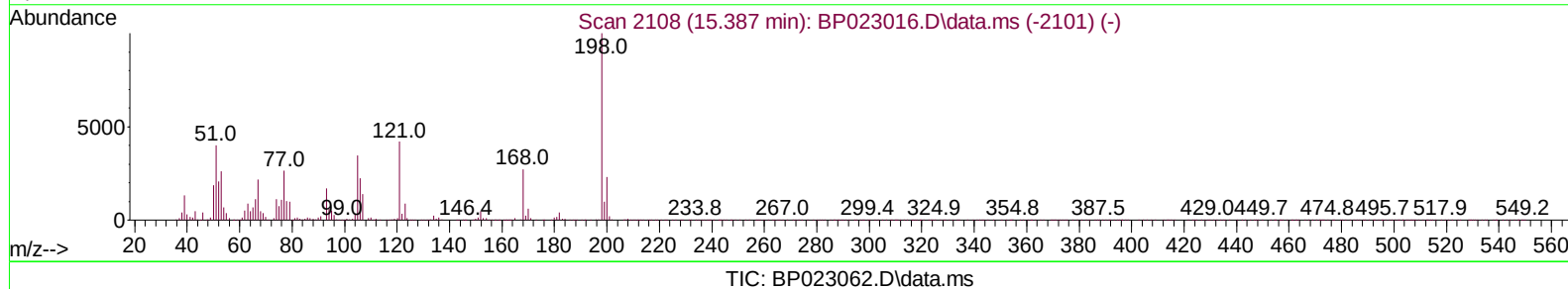
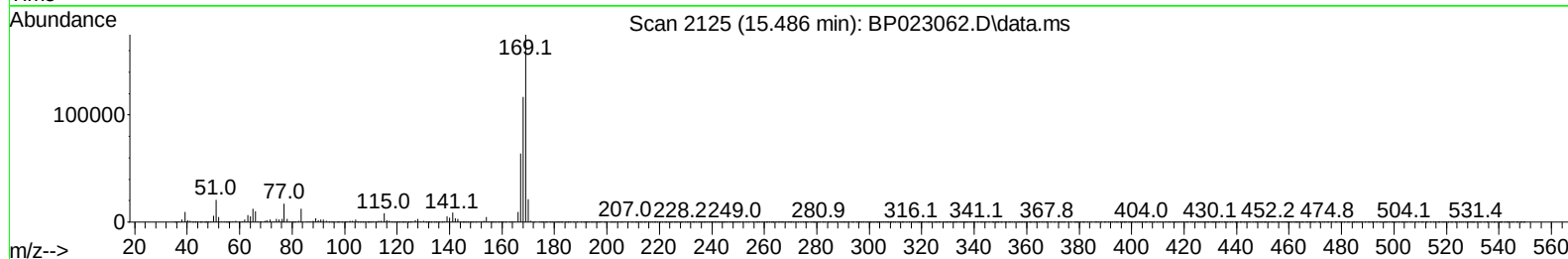
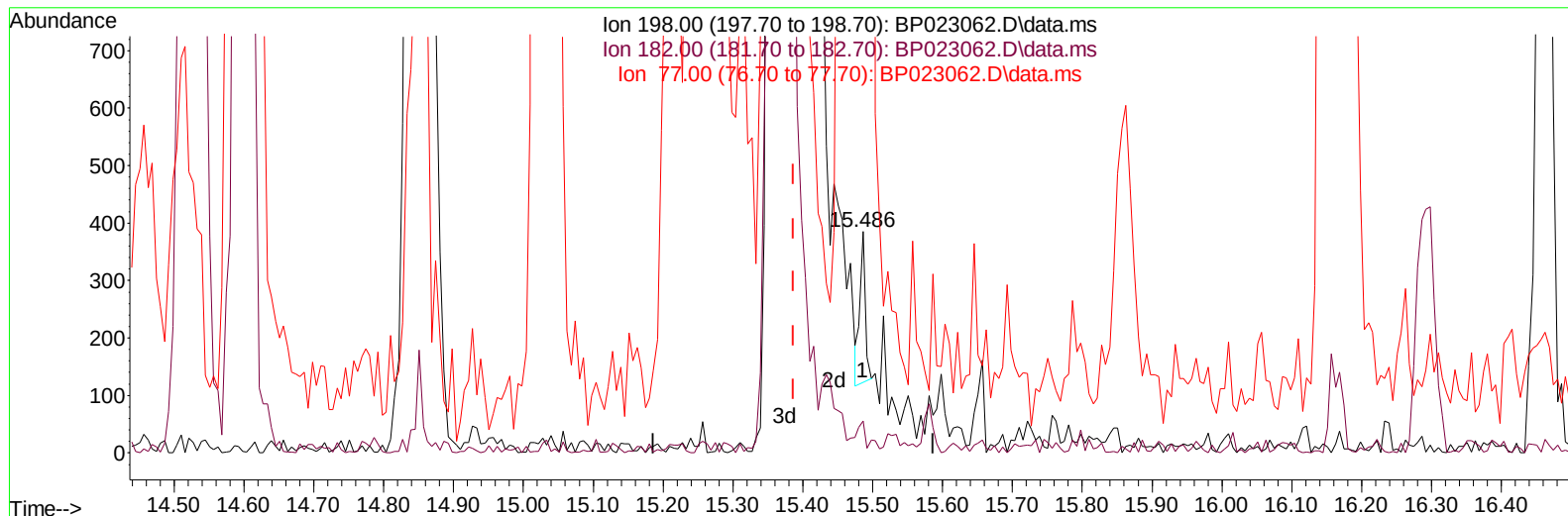
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111224\
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Sample : PB164853BS
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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(66) 4,6-Dinitro-2-methylphenol

15.486min (+ 0.100) 0.04 ng/ul

response 145

Ion	Exp%	Act%
198.00	100.00	100.00
182.00	4.80	14.55#
77.00	25.00	4494.55#
0.00	0.00	0.00

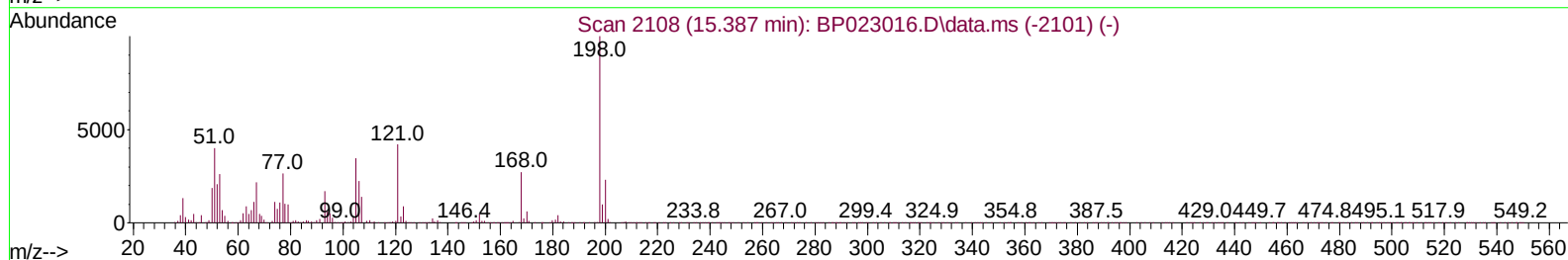
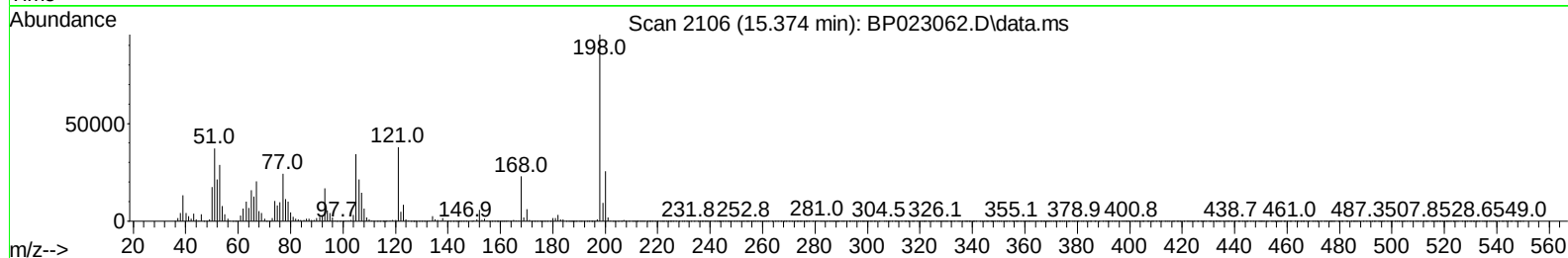
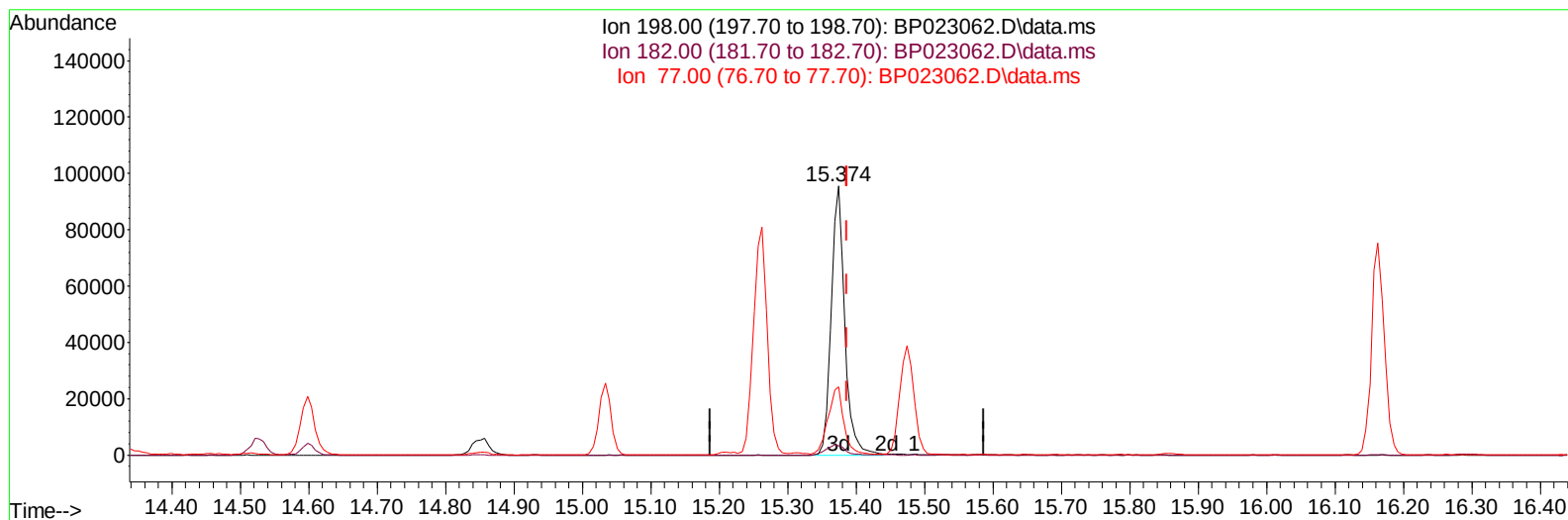
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111224\
 Data File : BP023062.D
 Acq On : 13 Nov 2024 01:21
 Operator : RC/JU
 Sample : PB164853BS
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SLCS853

Manual IntegrationsAPPROVED

Quant Time: Nov 13 03:54:48 2024
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Reviewed By :Yogesh Patel 11/14/2024
 Supervised By :mohammad ahmed 11/14/2024



TIC: BP023062.D\data.ms

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

15.374min (-0.012) 35.09 ng/ul m

response 130649

Ion	Exp%	Act%
198.00	100.00	100.00
182.00	4.80	3.41#
77.00	25.00	25.29
0.00	0.00	0.00

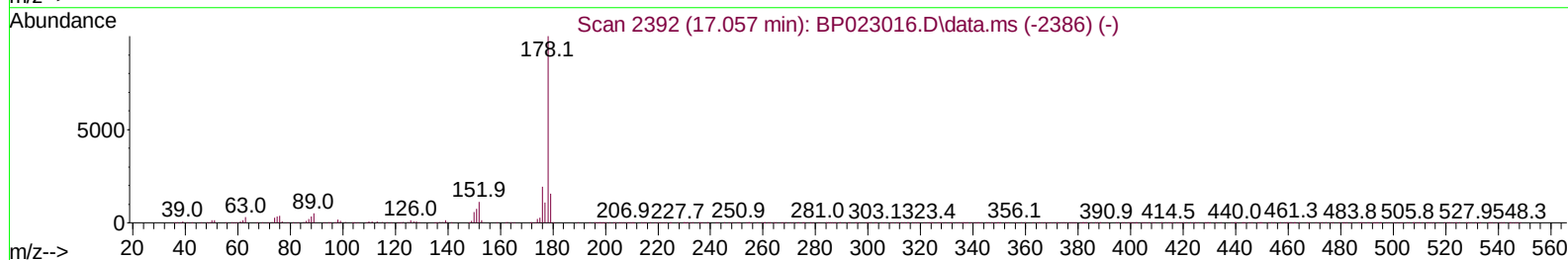
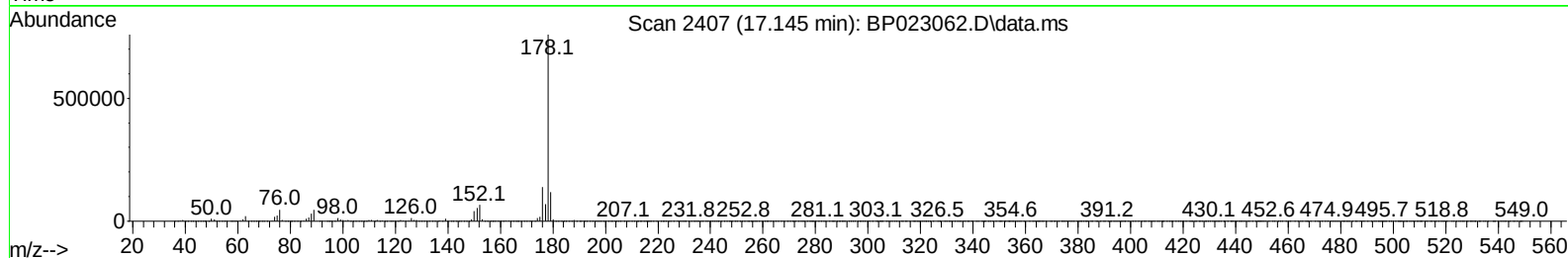
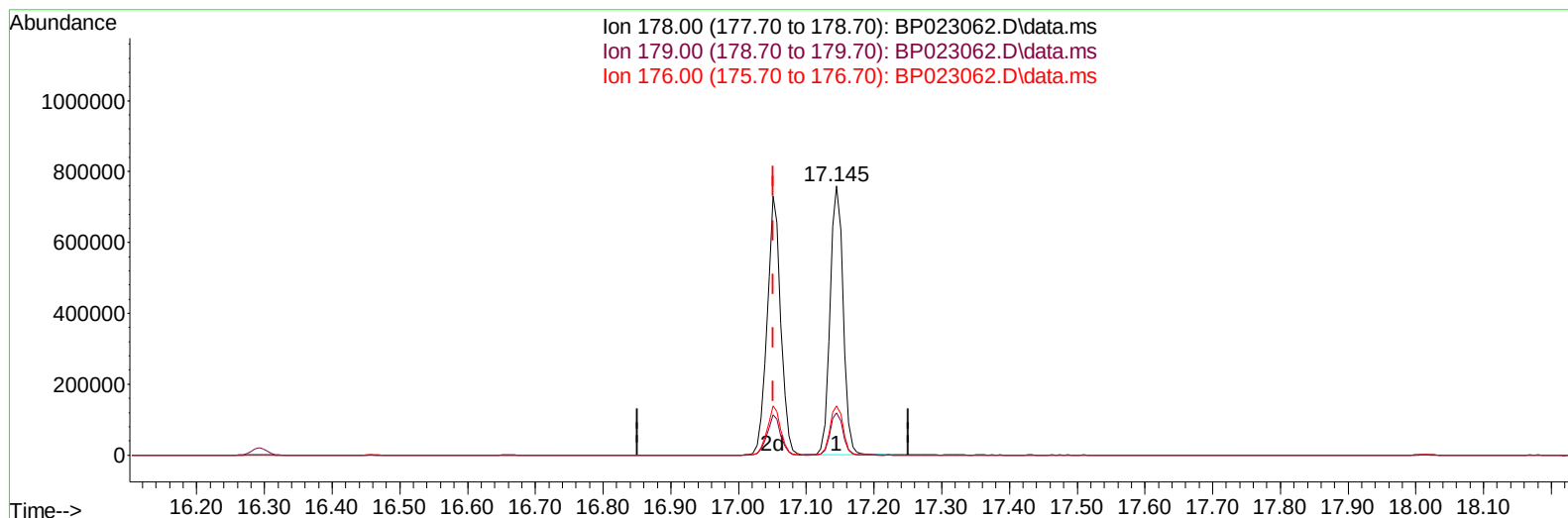
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111224\
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Acq On : 13 Nov 2024 01:21
Operator : RC/JU
Sample : PB164853BS
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
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Manual IntegrationsAPPROVED

Quant Time: Nov 13 03:54:48 2024
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TIC: BP023062.D\data.ms

(72) Phenanthrene

17.145min (+ 0.094) 36.96 ng/ul

response 1015319

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.90	15.69
176.00	19.30	18.40
0.00	0.00	0.00

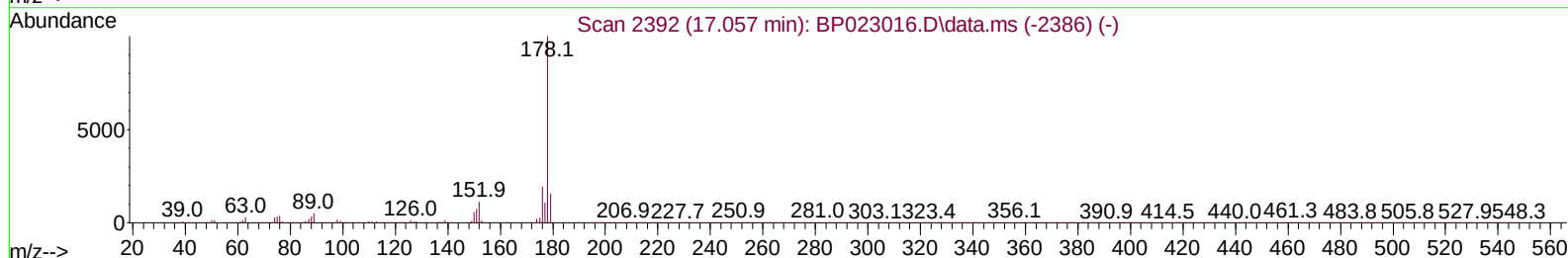
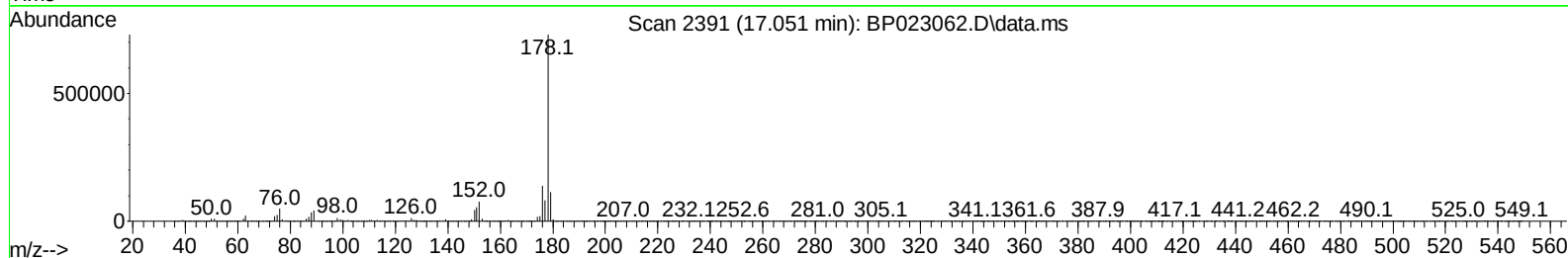
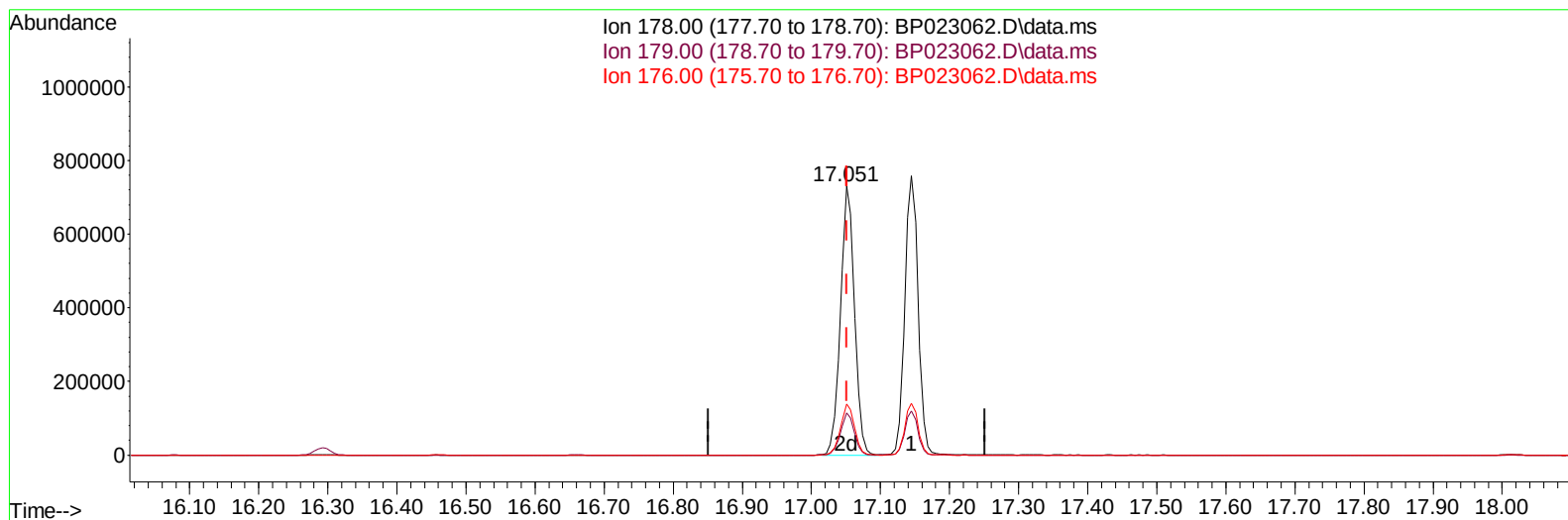
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111224\
Data File : BP023062.D
Acq On : 13 Nov 2024 01:21
Operator : RC/JU
Sample : PB164853BS
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SLCS853

Manual IntegrationsAPPROVED

Quant Time: Nov 13 03:54:48 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP110924.MA.M
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QLast Update : Tue Nov 12 23:59:19 2024
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Reviewed By :Yogesh Patel 11/14/2024
Supervised By :mohammad ahmed 11/14/2024



TIC: BP023062.D\data.ms

(72) Phenanthrene

17.051min (-0.000) 37.23 ng/ul m

response 1022896

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.90	15.62
176.00	19.30	19.09
0.00	0.00	0.00

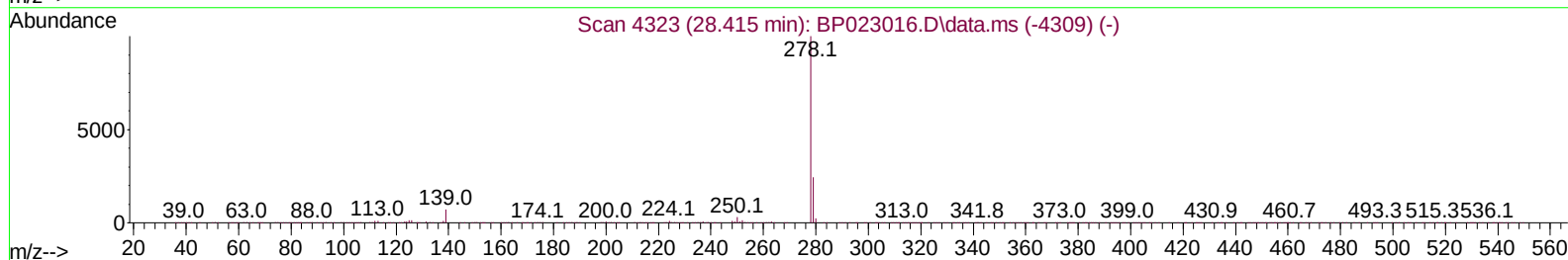
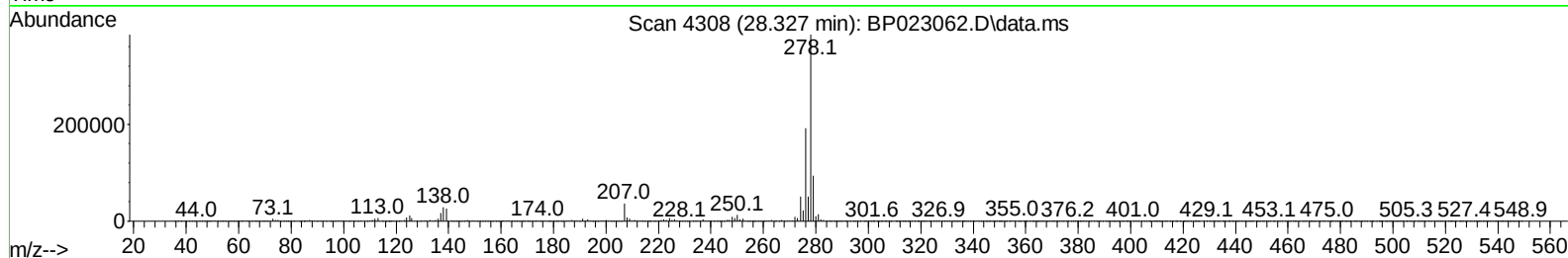
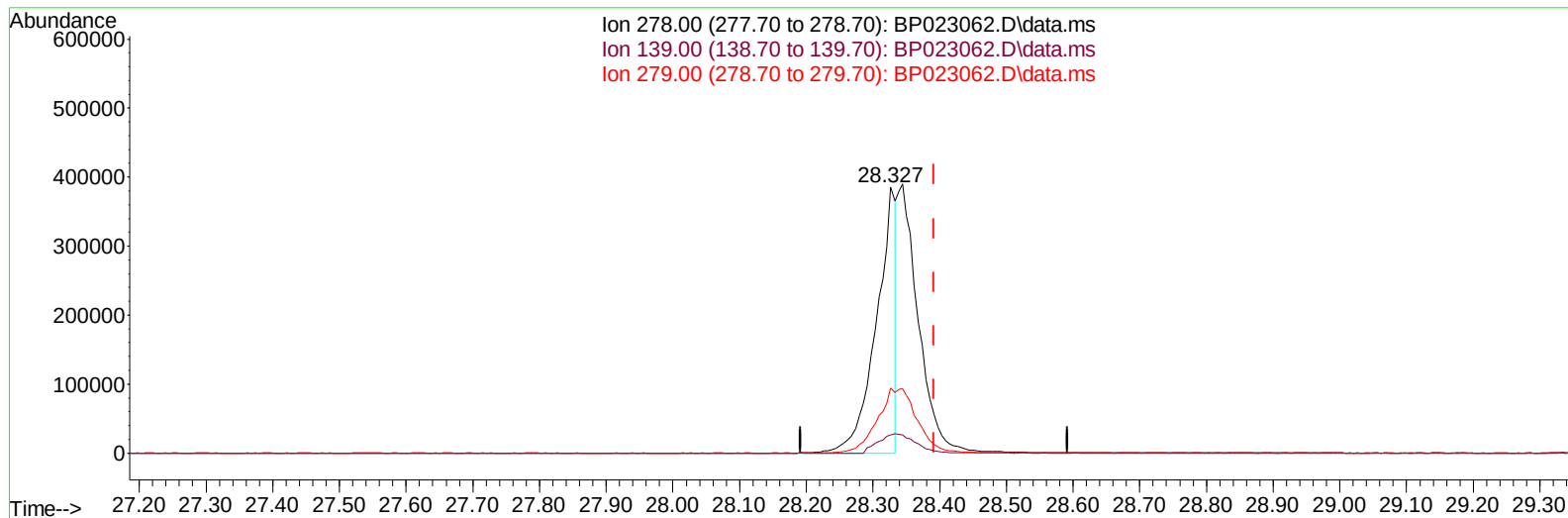
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Data File : BP023062.D
Acq On : 13 Nov 2024 01:21
Operator : RC/JU
Sample : PB164853BS
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SLCS853

Manual IntegrationsAPPROVED

Quant Time: Nov 13 03:54:48 2024
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TIC: BP023062.D\data.ms

(95) Dibenzo(a,h)anthracene

28.327min (-0.065) 17.50 ng/u1

response 775410

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	6.70	6.88
279.00	24.30	24.43
0.00	0.00	0.00

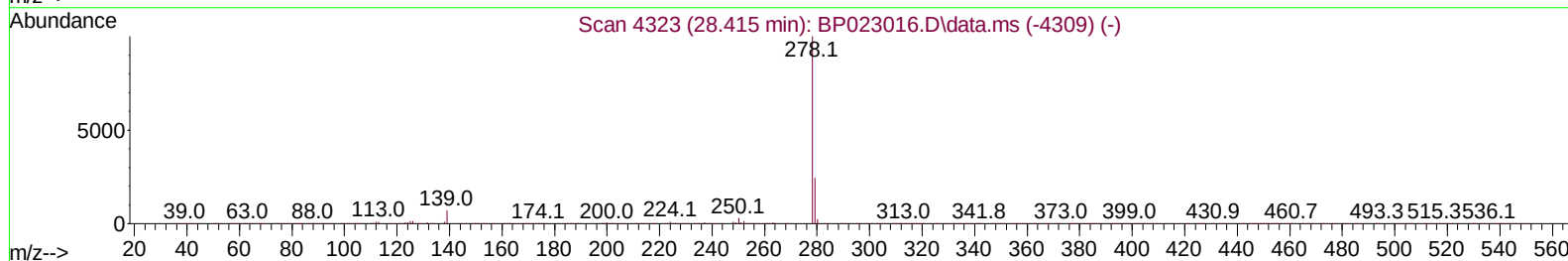
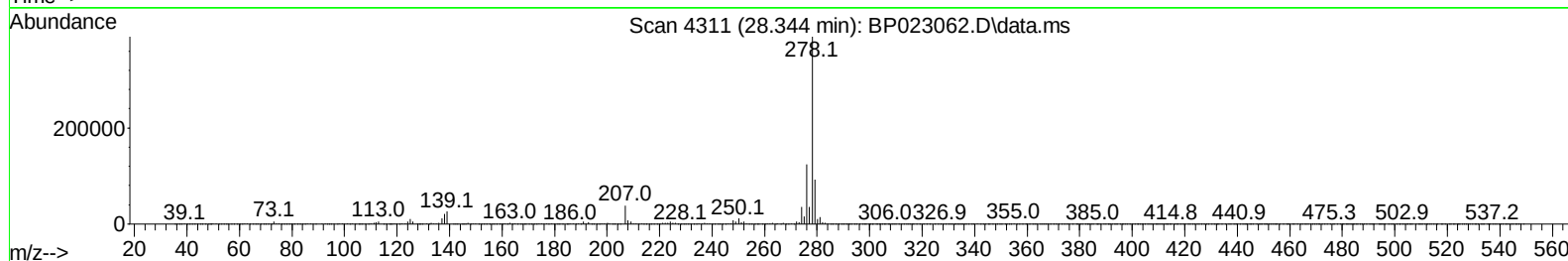
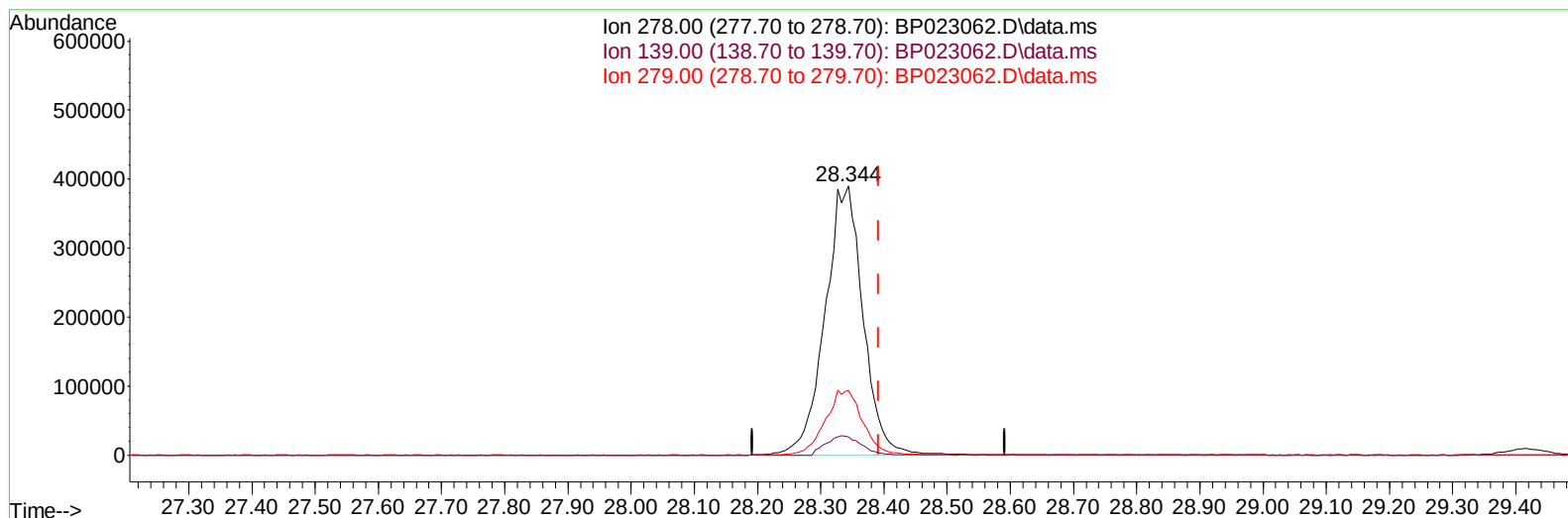
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Operator : RC/JU
Sample : PB164853BS
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
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Manual IntegrationsAPPROVED

Quant Time: Nov 13 03:54:48 2024
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TIC: BP023062.D\data.ms

(95) Dibenzo(a,h)anthracene

28.344min (-0.048) 36.71 ng/ul m

response 1626614

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	6.70	6.71
279.00	24.30	23.88
0.00	0.00	0.00

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 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SLCS853

Manual IntegrationsAPPROVED

Quant Time: Nov 13 03:56:56 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP110924.MA.M
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 QLast Update : Tue Nov 12 23:59:19 2024
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Reviewed By :Yogesh Patel 11/14/2024
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.581	152	61693	20.000	ng/ul	0.00
20) Naphthalene-d8	10.334	136	256048	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.198	164	218904	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.004	188	581892m	20.000	ng/ul	0.00
79) Chrysene-d12	21.439	240	689319	20.000	ng/ul	-0.01
88) Perylene-d12	24.645	264	778516	20.000	ng/ul	-0.04
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.140	96	10544	8.215	ng/uL	0.00
4) Pyridine-d5	3.552	84	130905	34.329	ng/ul	0.00
7) Phenol-d5	6.787	99	171361	37.570	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	6.934	67	100184	37.385	ng/ul	0.00
11) 2-Chlorophenol-d4	7.128	132	127932	38.298	ng/ul	0.00
15) 4-Methylphenol-d8	8.292	113	140766	37.503	ng/ul	0.00
21) Nitrobenzene-d5	8.728	128	64335	36.092	ng/ul	0.00
24) 2-Nitrophenol-d4	9.434	143	79544	37.431	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	9.975	165	171459	38.527	ng/ul	0.00
31) 4-Chloroaniline-d4	10.475	131	168922	31.816	ng/ul	-0.01
46) Dimethylphthalate-d6	13.598	166	604629	38.323	ng/ul	-0.02
49) Acenaphthylene-d8	13.886	160	623542	37.877	ng/ul	-0.01
54) 4-Nitrophenol-d4	14.445	143	86848	36.629	ng/ul	0.00
60) Fluorene-d10	15.216	176	530822	38.375	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.357	200	126653	36.334	ng/ul	-0.02
73) Anthracene-d10	17.116	188	923202	37.471	ng/ul	0.00
81) Pyrene-d10	19.492	212	1232518	38.819	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.433	264	1468742	39.606	ng/ul	-0.03
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.175	88	18779	12.663	ng/uL	94
5) Pyridine	3.569	79	130465	34.068	ng/ul	95
6) Benzaldehyde	6.751	77	67707	25.796	ng/ul	93
8) Phenol	6.810	94	171775	36.065	ng/ul	96
10) Bis(2-Chloroethyl)ether	7.022	93	125856	35.164	ng/ul	95
12) 2-Chlorophenol	7.163	128	126662	36.521	ng/ul	98
13) 2-Methylphenol	8.034	108	125769	35.375	ng/ul	98
14) 2,2'-oxybis(1-Chloropr...	8.098	45	148233	36.585	ng/ul	94
16) Acetophenone	8.398	105	222576	35.289	ng/ul	99
17) N-Nitroso-di-n-propyla...	8.375	70	120859	38.376	ng/ul	98
18) 4-Methylphenol	8.351	108	142820	36.369	ng/ul	99
19) Hexachloroethane	8.634	117	60904	36.311	ng/ul	94
22) Nitrobenzene	8.769	77	182544	35.690	ng/ul	97
23) Isophorone	9.287	82	330368	36.123	ng/ul	99
25) 2-Nitrophenol	9.469	139	80537	35.905	ng/ul	96
26) 2,4-Dimethylphenol	9.539	107	141922	29.301	ng/ul	100
27) Bis(2-Chloroethoxy)met...	9.751	93	181979	36.163	ng/ul	98
29) 2,4-Dichlorophenol	10.004	162	160794	36.477	ng/ul	99
30) Naphthalene	10.381	128	430066	34.573	ng/ul	99
32) 4-Chloroaniline	10.504	127	130932	25.454	ng/ul	100
33) Hexachlorobutadiene	10.657	225	137495	34.472	ng/ul	99
34) Caprolactam	11.292	113	46890m	35.762	ng/ul	
35) 4-Chloro-3-methylphenol	11.645	107	180273	38.015	ng/ul	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111224\
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 ALS Vial : 26 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 SLCS853

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/14/2024
 Supervised By :mohammad ahmed 11/14/2024

Quant Time: Nov 13 03:56:56 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP110924.MA.M
 Quant Title : SVOA CALIBRATION
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 2-Methylnaphthalene	11.998	142	336266	35.807	ng/ul	97
37) 1-Methylnaphthalene	12.210	142	334507	34.843	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.375	216	258145	34.931	ng/ul	97
40) Hexachlorocyclopentadiene	12.339	237	110990	28.593	ng/ul	94
41) 2,4,6-Trichlorophenol	12.622	196	156262	34.724	ng/ul	96
42) 2,4,5-Trichlorophenol	12.710	196	173831	35.831	ng/ul	100
43) 1,1'-Biphenyl	13.016	154	495585	35.331	ng/ul	100
44) 2-Chloronaphthalene	13.063	162	405386	35.355	ng/ul	99
45) 2-Nitroaniline	13.275	65	126499	39.291	ng/ul	95
47) Dimethylphthalate	13.645	163	570980	36.697	ng/ul	99
48) 2,6-Dinitrotoluene	13.786	165	114802	37.931	ng/ul	98
50) Acenaphthylene	13.916	152	629350	37.820	ng/ul	100
51) 3-Nitroaniline	14.127	138	99787	38.279	ng/ul	99
52) Acenaphthene	14.263	153	430684	35.650	ng/ul	99
53) 2,4-Dinitrophenol	14.345	184	73311	34.137	ng/ul	99
55) 4-Nitrophenol	14.463	109	105576	38.059	ng/ul	97
56) Dibenzofuran	14.610	168	677892	36.318	ng/ul	99
57) 2,4-Dinitrotoluene	14.598	165	184888	38.329	ng/ul	97
58) 2,3,4,6-Tetrachlorophenol	14.851	232	159209	33.573	ng/ul	97
59) Diethylphthalate	15.033	149	590103	38.347	ng/ul	98
61) Fluorene	15.274	166	572014	37.442	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.263	204	331582	36.861	ng/ul	98
63) 4-Nitroaniline	15.316	138	105761	43.600	ng/ul	94
66) 4,6-Dinitro-2-methylph...	15.374	198	130649m	35.086	ng/ul	
67) N-Nitrosodiphenylamine	15.474	169	495457	36.848	ng/ul	99
68) 4-Bromophenyl-phenylether	16.163	248	242948	36.870	ng/ul	100
69) Hexachlorobenzene	16.292	284	300640	36.243	ng/ul	97
70) Atrazine	16.463	200	95429	14.682	ng/ul	99
71) Pentachlorophenol	16.663	266	151691	29.454	ng/ul	98
72) Phenanthrene	17.051	178	1022896m	37.232	ng/ul	
74) Anthracene	17.145	178	1014331	36.721	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	12.980	216	260696	33.933	ng/uL	98
76) Pentachlorobenzene	14.527	250	302770	34.514	ng/uL	98
77) Carbazole	17.433	167	892252	37.024	ng/ul	99
78) Di-n-butylphthalate	18.010	149	1041132	38.931	ng/ul	99
80) Fluoranthene	19.145	202	1368192	37.404	ng/ul	99
82) Pyrene	19.521	202	1434593	36.508	ng/ul	99
83) Butylbenzylphthalate	20.468	149	523649	40.475	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.345	252	544777	35.208	ng/ul	100
85) Benzo(a)anthracene	21.415	228	1544714	36.699	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.345	149	721447	39.241	ng/ul	98
87) Chrysene	21.480	228	1435566	36.247	ng/ul	99
89) Di-n-octyl phthalate	22.562	149	1244749	39.410	ng/ul	100
90) Benzo(b)fluoranthene	23.639	252	1667419	38.480	ng/ul	99
91) Benzo(k)fluoranthene	23.703	252	1655005	38.798	ng/ul#	99
93) Benzo(a)pyrene	24.503	252	1476665	37.698	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	28.280	276	2007298	36.781	ng/ul	98
95) Dibenzo(a,h)anthracene	28.344	278	1626614m	36.708	ng/ul	
96) Benzo(g,h,i)perylene	29.415	276	1565990	37.778	ng/ul	100

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

Instrument :

BNA_P

ClientSampleId :

SLCS853

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 11/14/2024

Supervised By :mohammad ahmed 11/14/2024

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP111224\
 Data File : BP023062.D
 Acq On : 13 Nov 2024 01:21
 Operator : RC/JU
 Sample : PB164853BS
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SLCS853

Manual IntegrationsAPPROVED

Quant Time: Nov 13 03:56:56 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP110924.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Nov 12 23:59:19 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 11/14/2024
 Supervised By :mohammad ahmed 11/14/2024

