

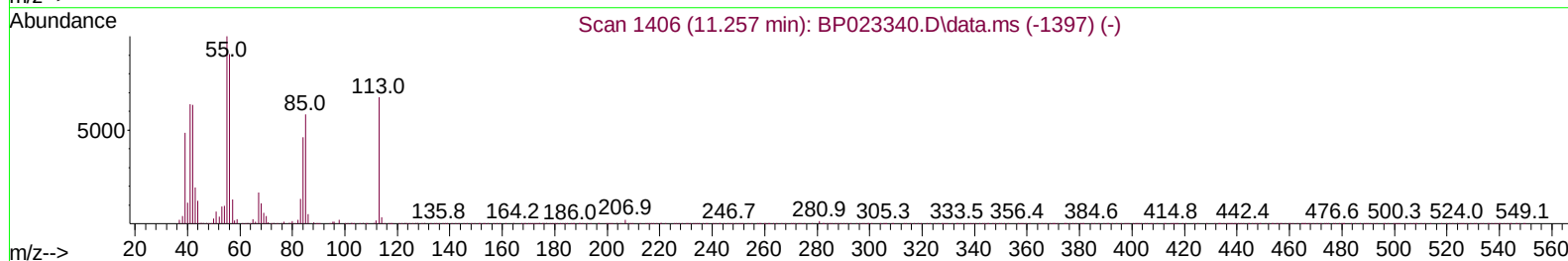
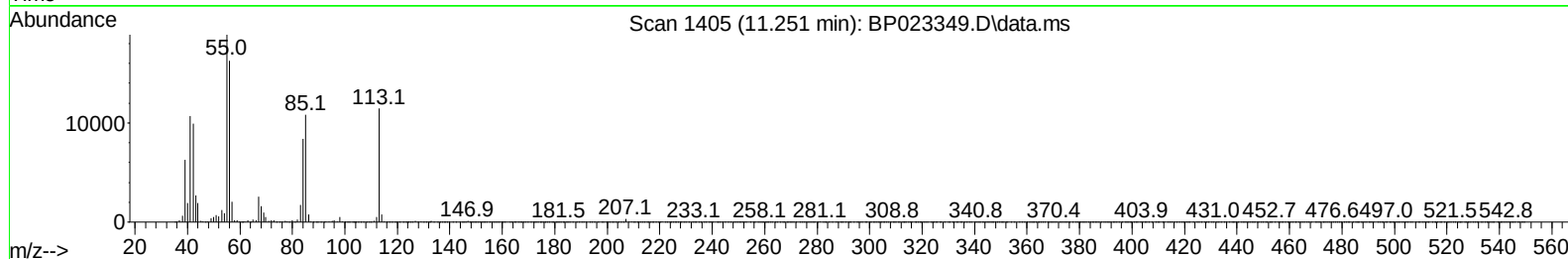
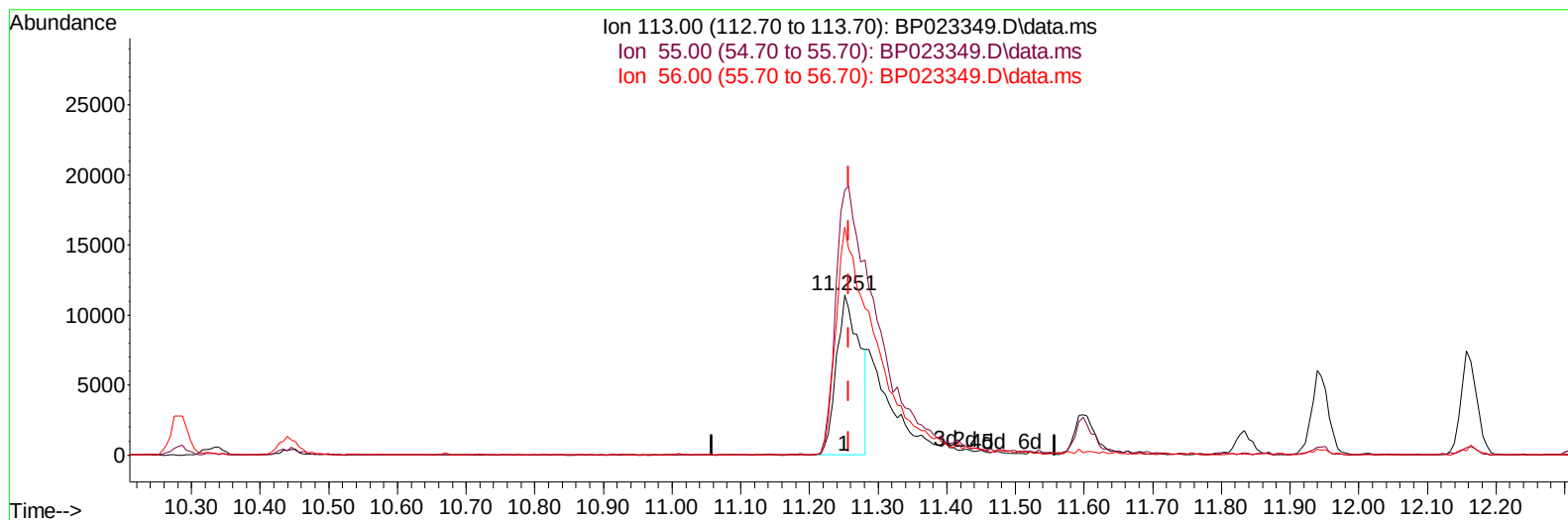
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121024\
Data File : BP023349.D
Acq On : 10 Dec 2024 16:33
Operator : RC/JU
Sample : PB165457BS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SLCS457

Manual IntegrationsAPPROVED

Quant Time: Dec 11 01:40:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP112624.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 00:30:30 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/12/2024
Supervised By :mohammad ahmed 12/13/2024



TIC: BP023349.D\data.ms

(34) Caprolactam

11.251min (-0.006) 15.59 ng/ul

response 26923

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	159.40	165.22
56.00	125.90	142.53
0.00	0.00	0.00

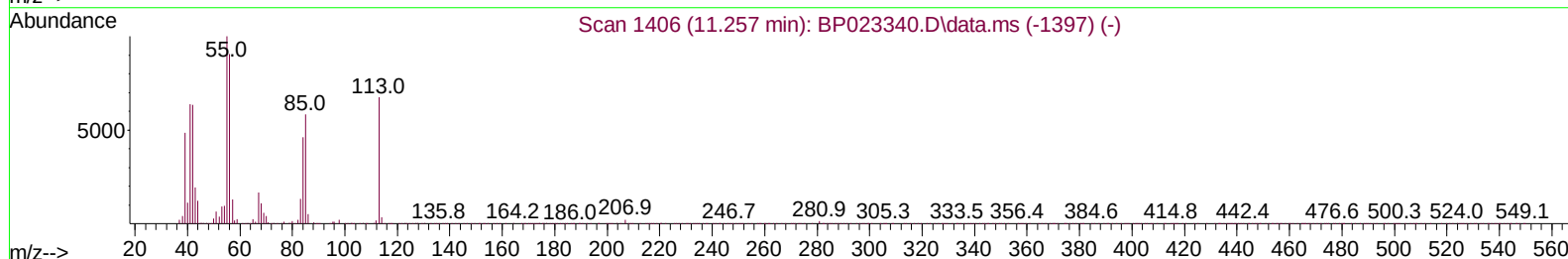
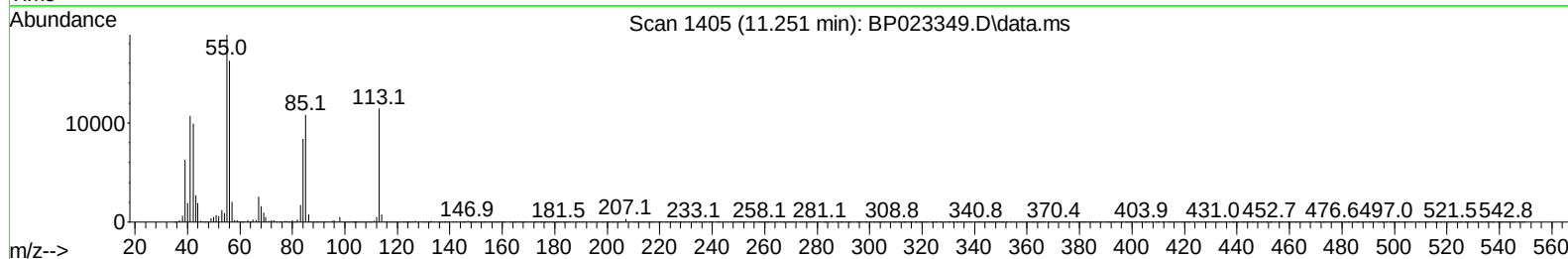
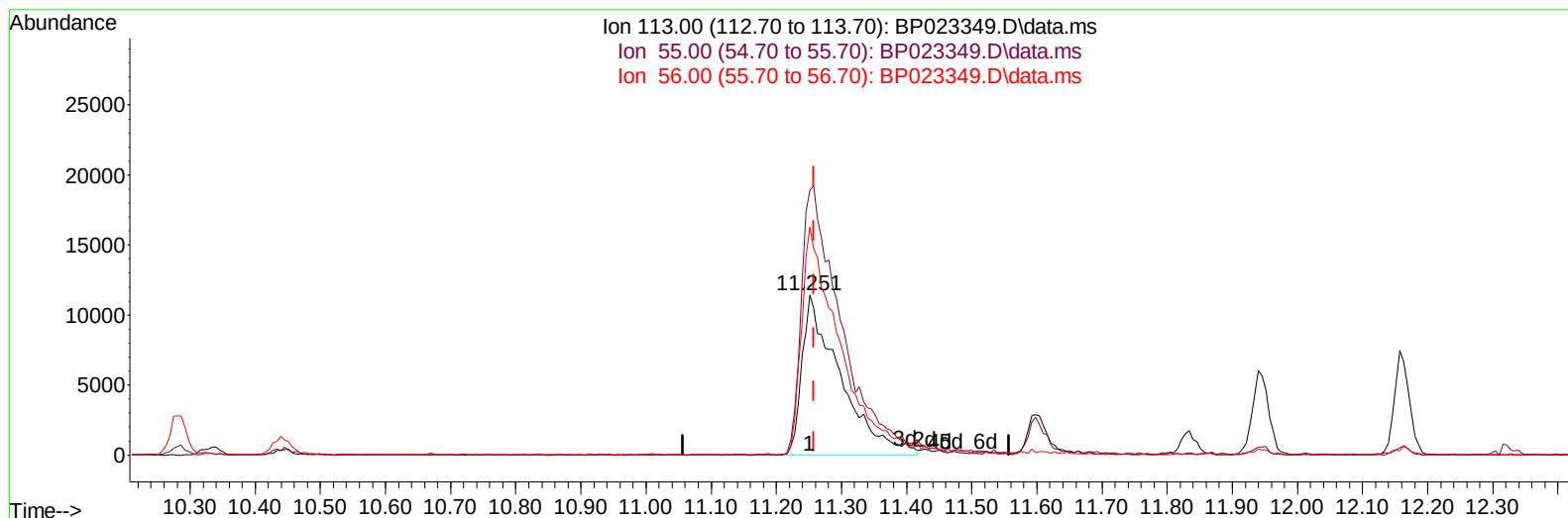
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121024\
Data File : BP023349.D
Acq On : 10 Dec 2024 16:33
Operator : RC/JU
Sample : PB165457BS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
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Manual IntegrationsAPPROVED

Quant Time: Dec 11 01:40:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP112624.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 00:30:30 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/12/2024
Supervised By :mohammad ahmed 12/13/2024



TIC: BP023349.D\data.ms

(34) Caprolactam

11.251min (-0.006) 27.07 ng/ul m

response 46764

Ion	Exp%	Act%
113.00	100.00	100.00
55.00	159.40	165.22
56.00	125.90	142.53
0.00	0.00	0.00

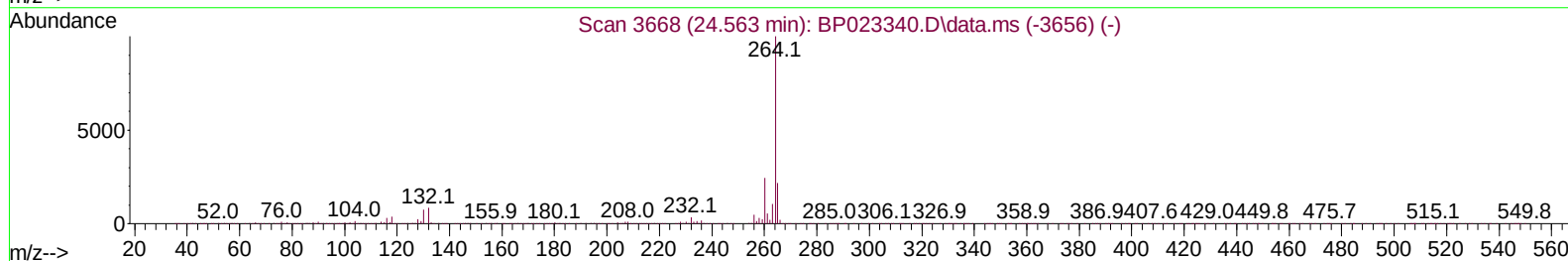
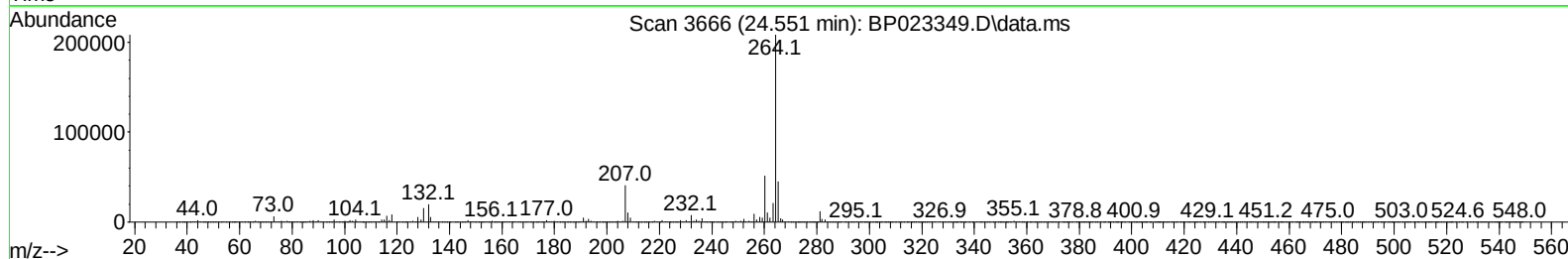
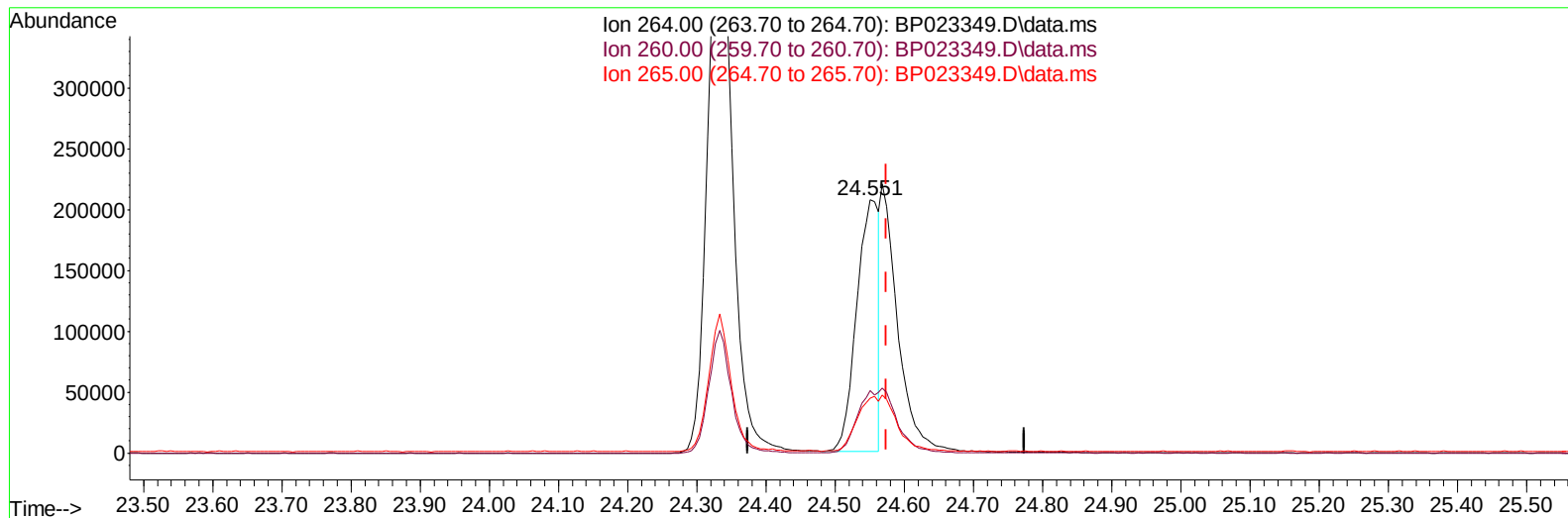
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121024\
Data File : BP023349.D
Acq On : 10 Dec 2024 16:33
Operator : RC/JU
Sample : PB165457BS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
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Manual IntegrationsAPPROVED

Quant Time: Dec 11 01:40:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP112624.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 00:30:30 2024
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Reviewed By :Yogesh Patel 12/12/2024
Supervised By :mohammad ahmed 12/13/2024



TIC: BP023349.D\data.ms

(88) Perylene-d12 (I)

24.551min (-0.024) 20.00 ng/u1

response 457449

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	23.60	24.65
265.00	22.00	21.73
0.00	0.00	0.00

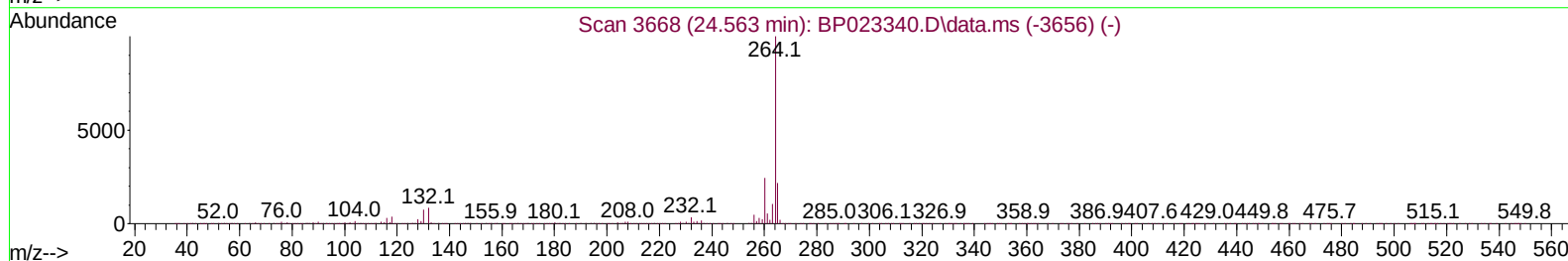
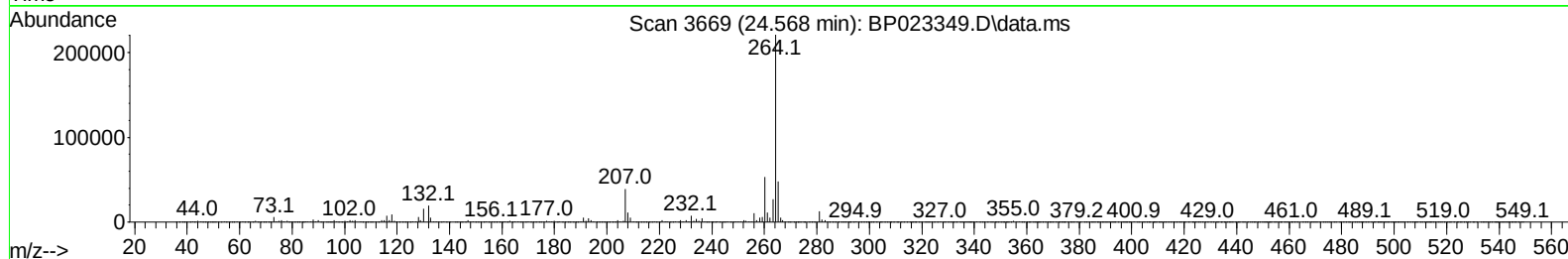
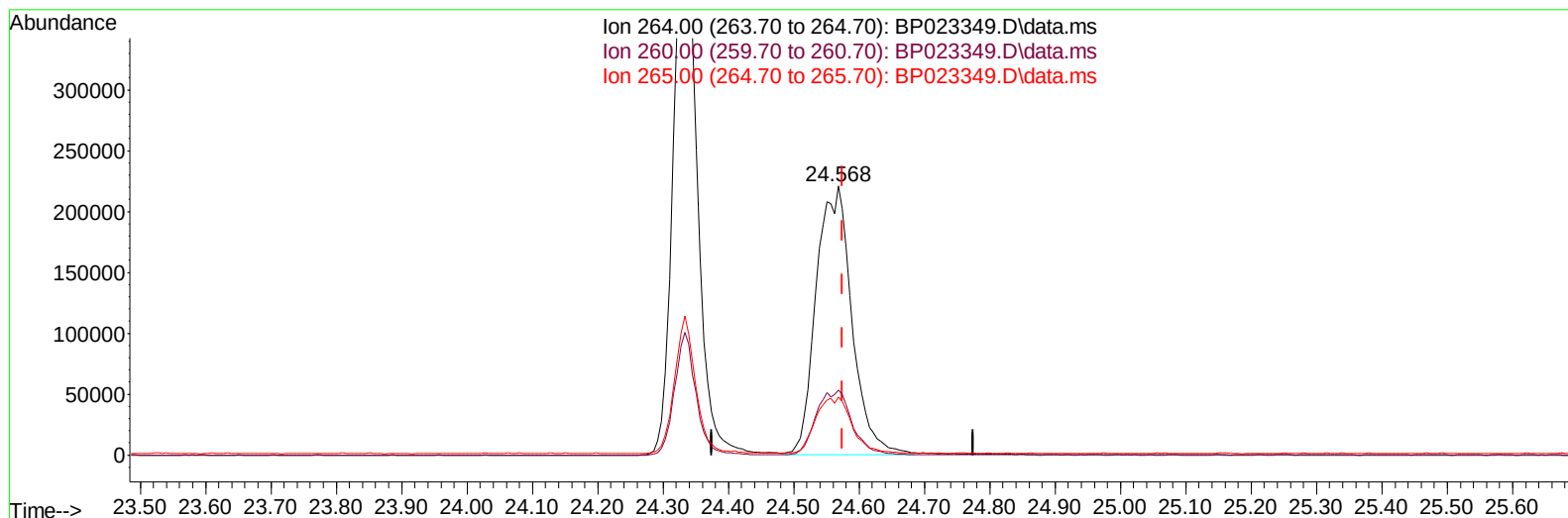
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121024\
Data File : BP023349.D
Acq On : 10 Dec 2024 16:33
Operator : RC/JU
Sample : PB165457BS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SLCS457

Manual IntegrationsAPPROVED

Quant Time: Dec 11 01:40:46 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP112624.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 00:30:30 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/12/2024
Supervised By :mohammad ahmed 12/13/2024



TIC: BP023349.D\data.ms

(88) Perylene-d12 (I)

24.568min (-0.006) 20.00 ng/ul m

response 839051

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	23.60	24.08
265.00	22.00	21.66
0.00	0.00	0.00

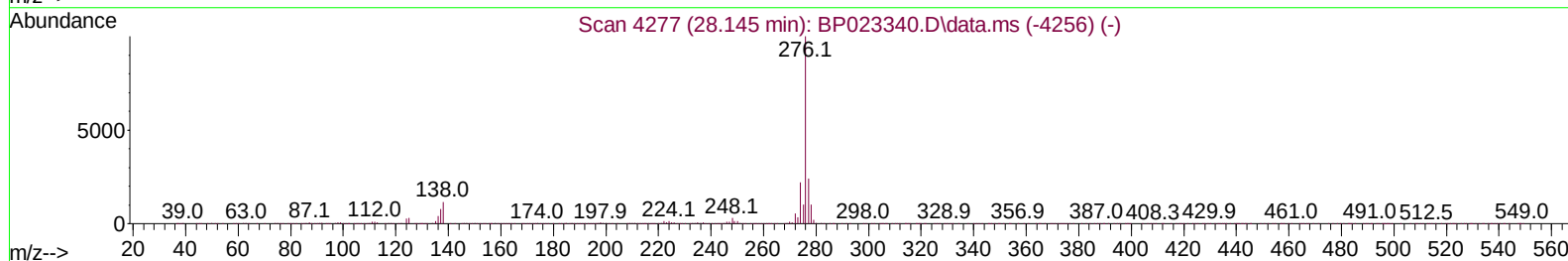
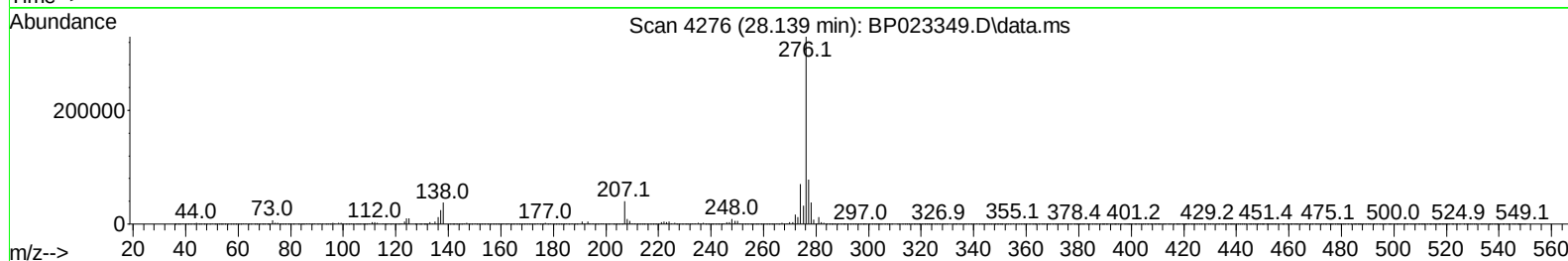
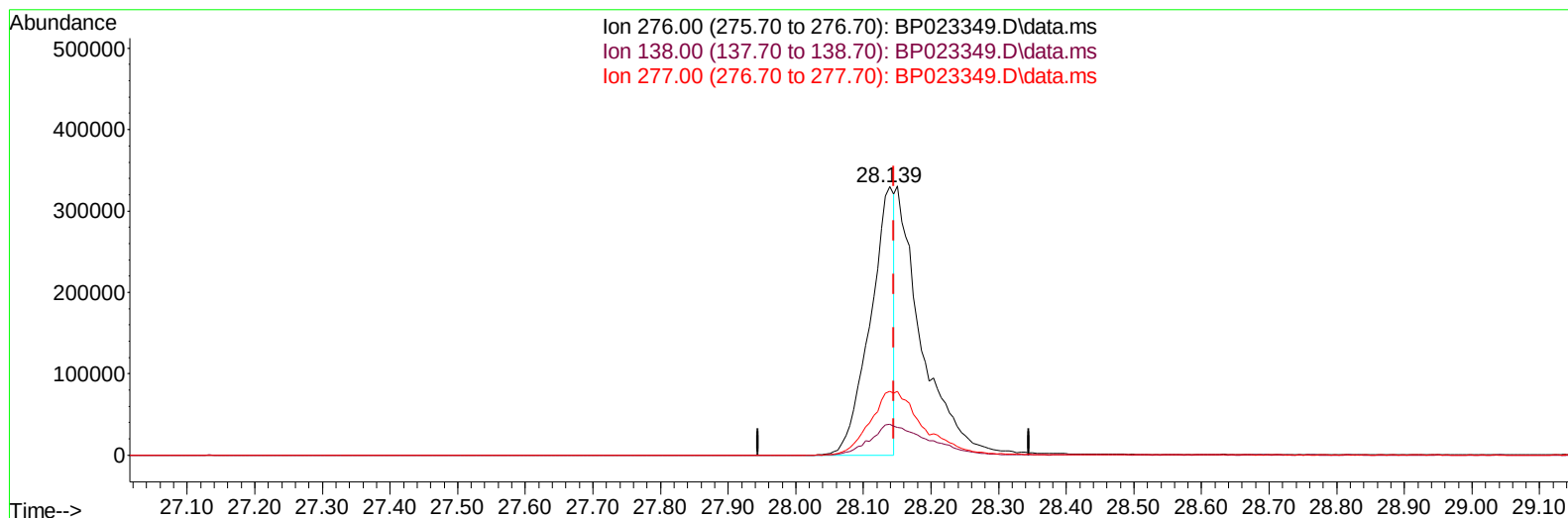
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121024\
Data File : BP023349.D
Acq On : 10 Dec 2024 16:33
Operator : RC/JU
Sample : PB165457BS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SLCS457

Manual IntegrationsAPPROVED

Quant Time: Dec 11 01:42:53 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP112624.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 00:30:30 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/12/2024
Supervised By :mohammad ahmed 12/13/2024



TIC: BP023349.D\data.ms

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

28.139min (-0.006) 13.22 ng/u1

response 812022

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	9.70	11.42
277.00	24.80	23.80
0.00	0.00	0.00

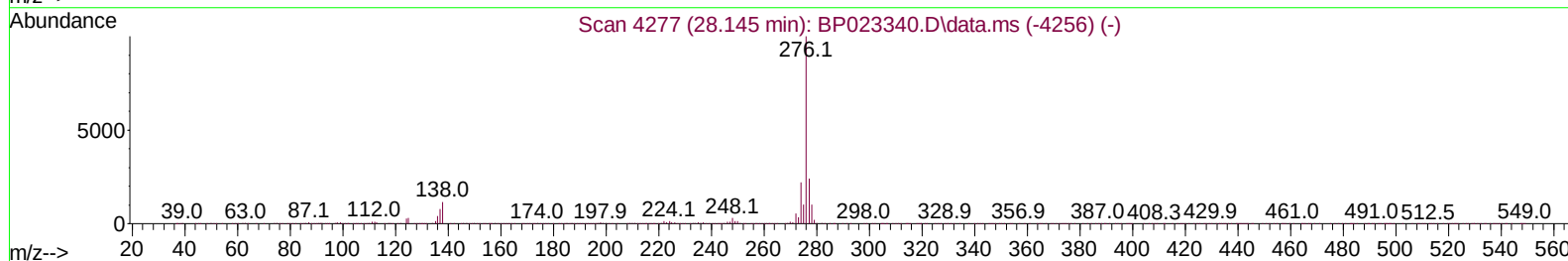
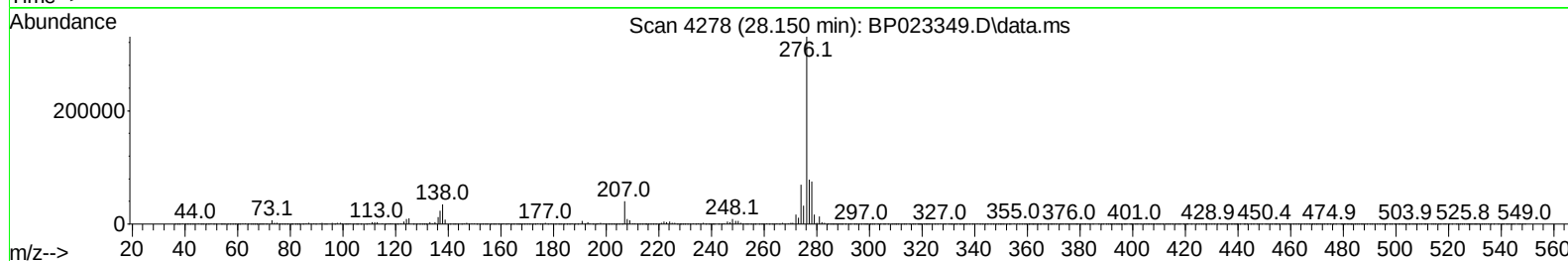
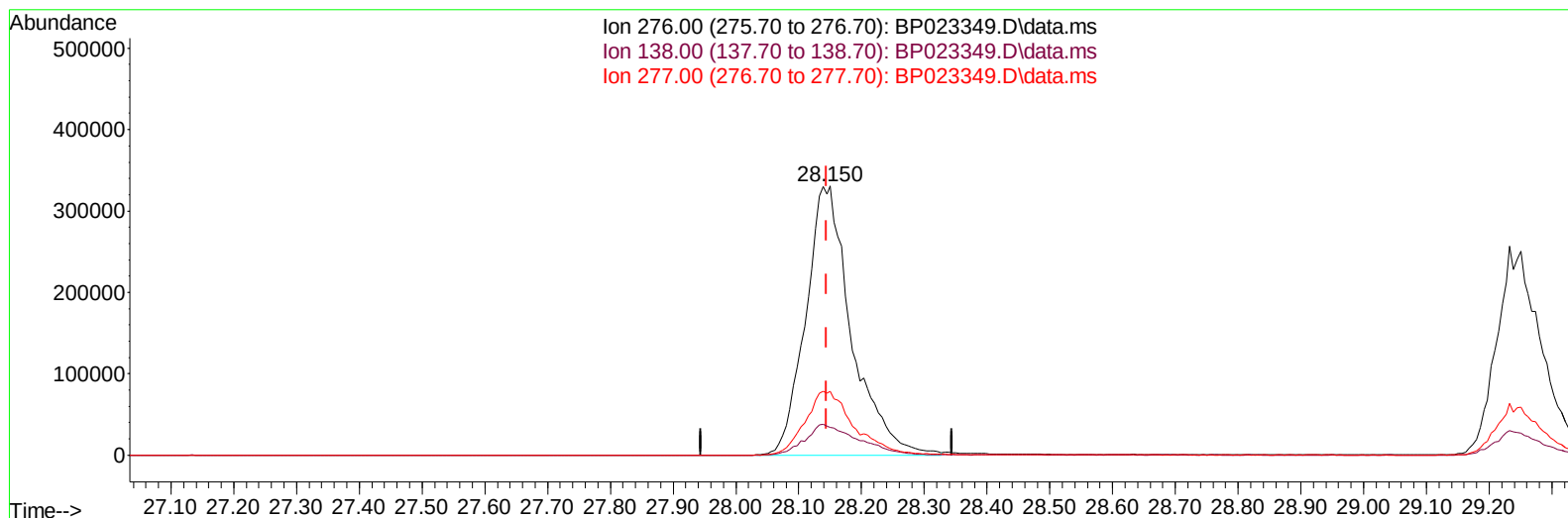
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121024\
Data File : BP023349.D
Acq On : 10 Dec 2024 16:33
Operator : RC/JU
Sample : PB165457BS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SLCS457

Manual IntegrationsAPPROVED

Quant Time: Dec 11 01:42:53 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP112624.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 00:30:30 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/12/2024
Supervised By :mohammad ahmed 12/13/2024



TIC: BP023349.D\data.ms

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

28.150min (+ 0.006) 27.22 ng/ul m

response 1671972

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	9.70	10.38
277.00	24.80	23.78
0.00	0.00	0.00

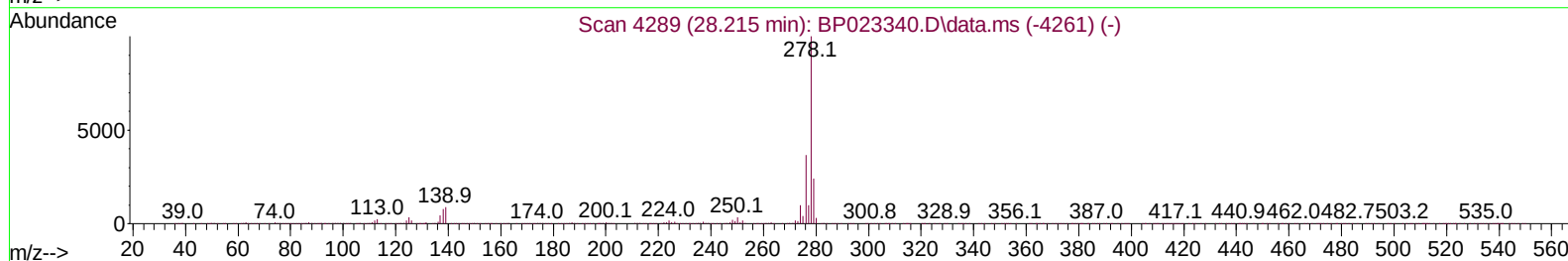
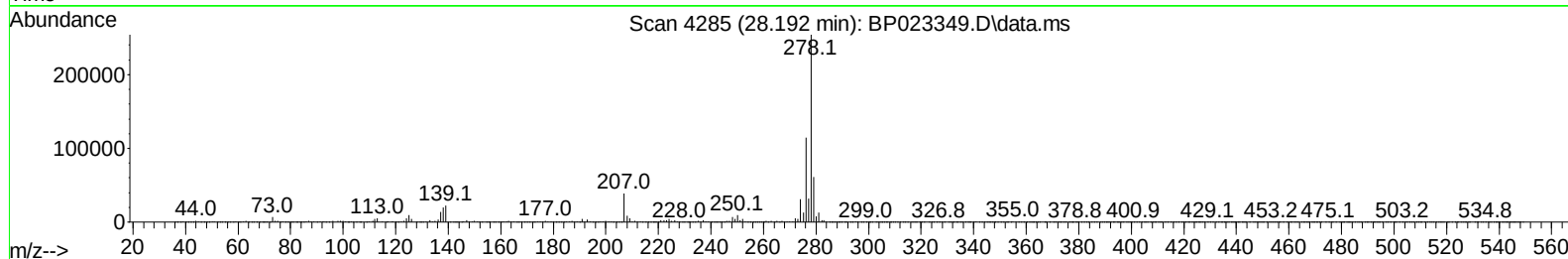
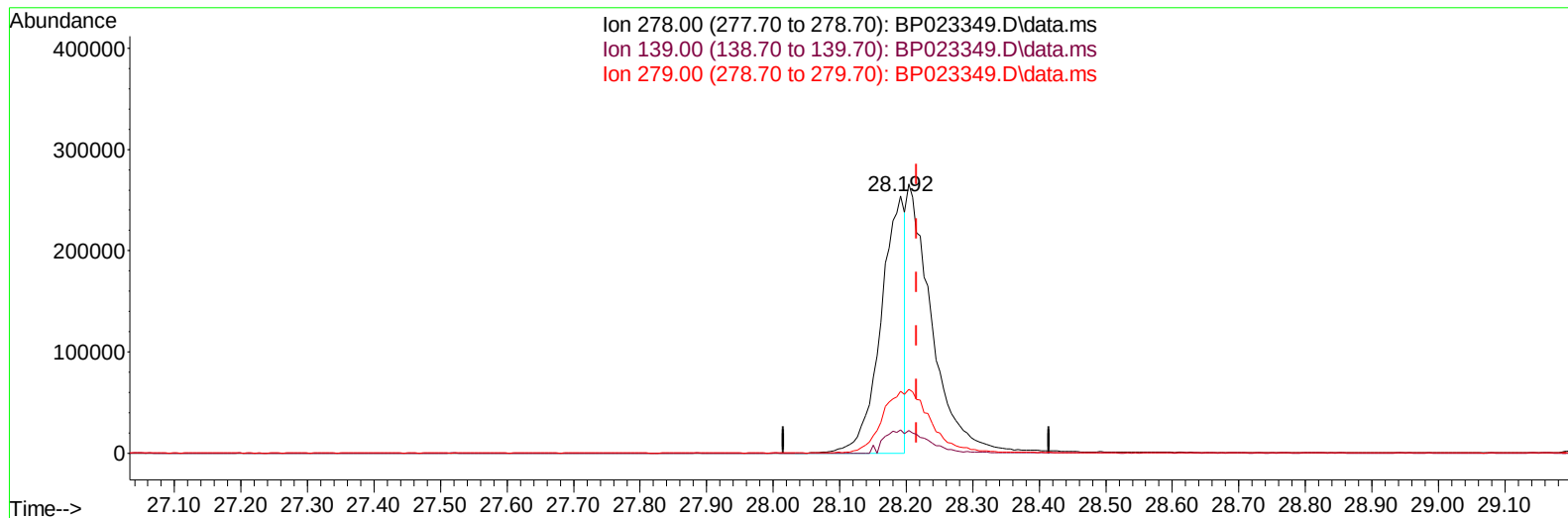
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121024\
Data File : BP023349.D
Acq On : 10 Dec 2024 16:33
Operator : RC/JU
Sample : PB165457BS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SLCS457

Manual IntegrationsAPPROVED

Quant Time: Dec 11 01:42:53 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP112624.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 00:30:30 2024
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Reviewed By :Yogesh Patel 12/12/2024
Supervised By :mohammad ahmed 12/13/2024



TIC: BP023349.D\data.ms

(95) Dibenzo(a,h)anthracene

28.192min (-0.024) 13.08 ng/u1

response 643144

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	7.50	8.91
279.00	24.00	24.08
0.00	0.00	0.00

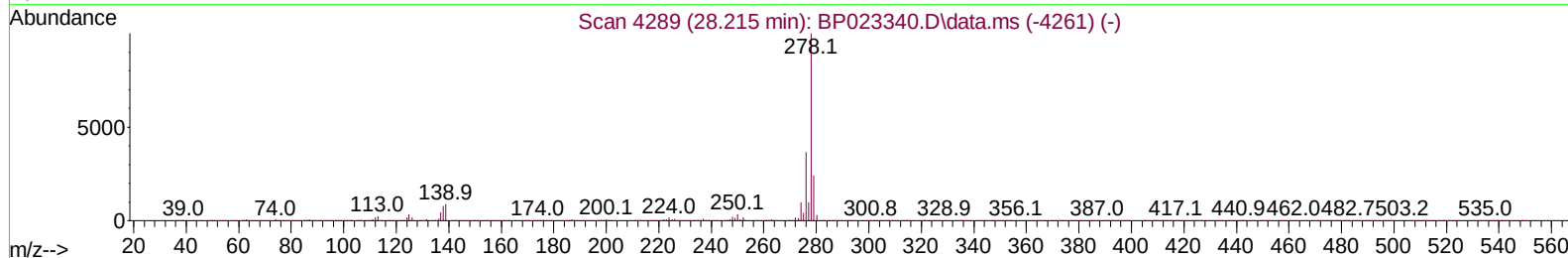
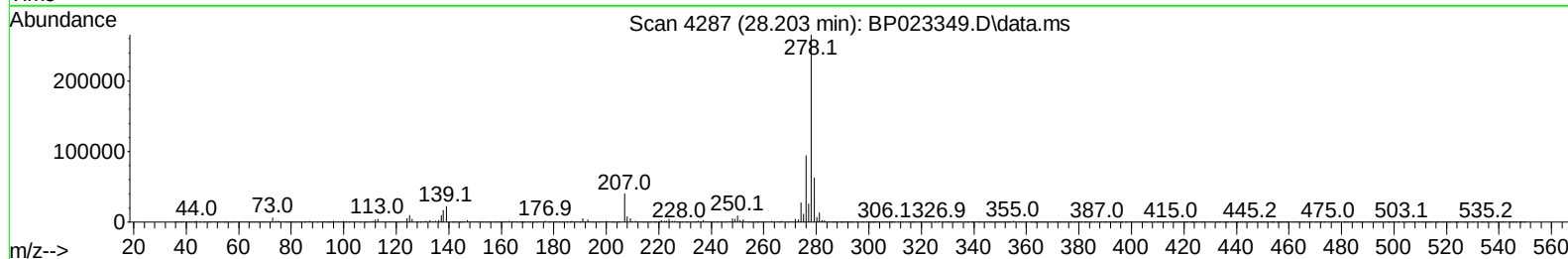
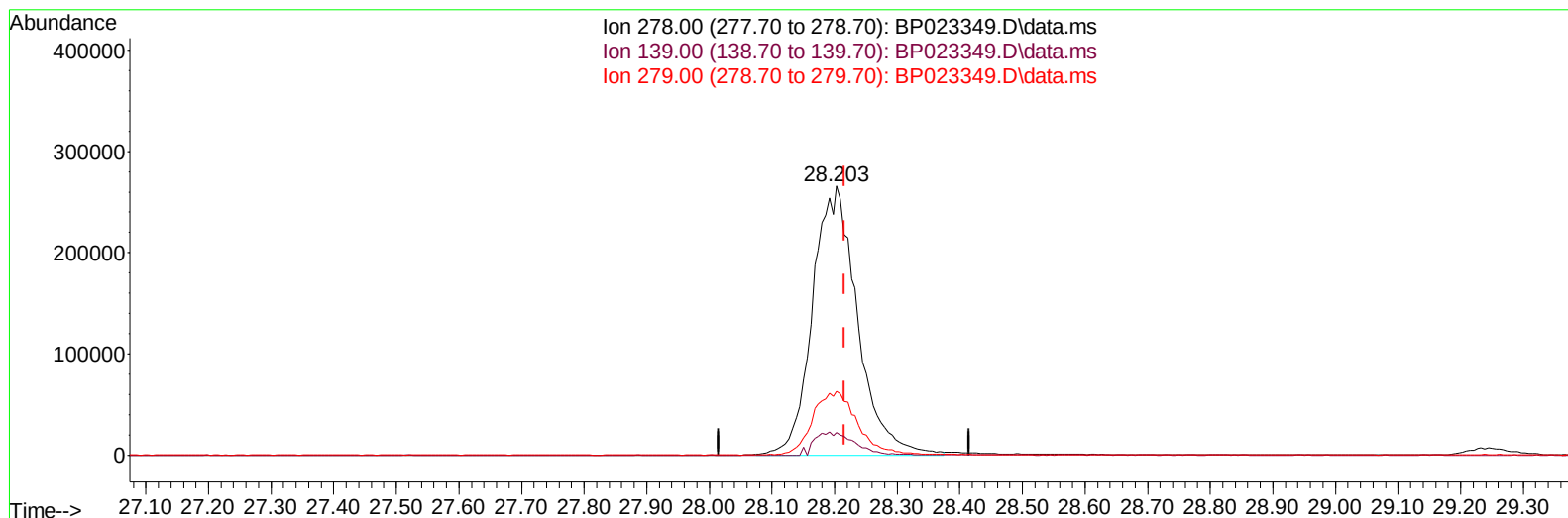
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121024\
Data File : BP023349.D
Acq On : 10 Dec 2024 16:33
Operator : RC/JU
Sample : PB165457BS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SLCS457

Manual IntegrationsAPPROVED

Quant Time: Dec 11 01:42:53 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP112624.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 00:30:30 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/12/2024
Supervised By :mohammad ahmed 12/13/2024



TIC: BP023349.D\data.ms

(95) Dibenzo(a,h)anthracene

28.203min (-0.012) 26.98 ng/ul m

response 1326216

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	7.50	8.32
279.00	24.00	23.68
0.00	0.00	0.00

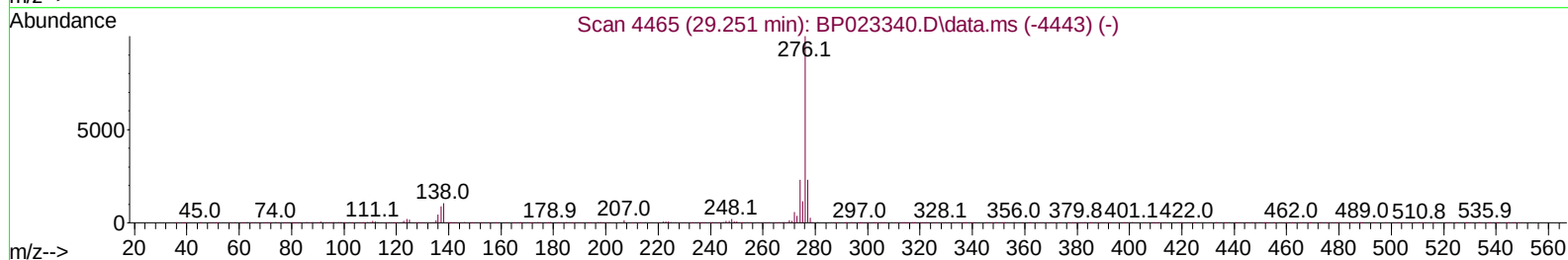
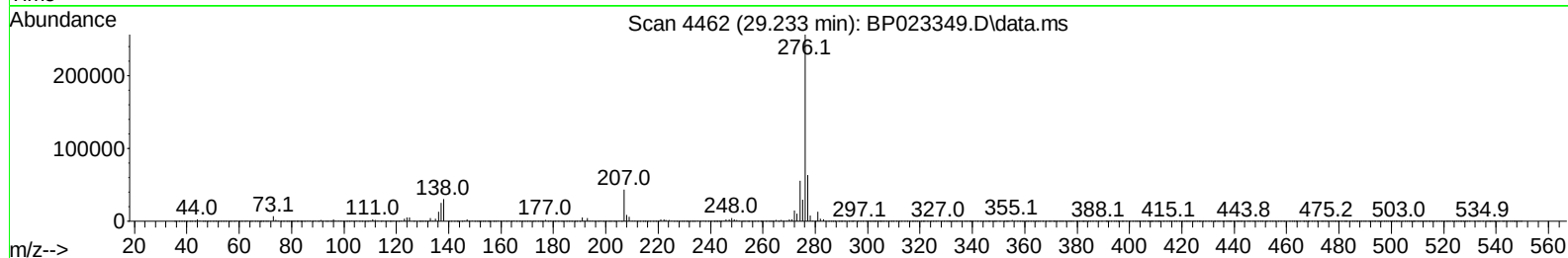
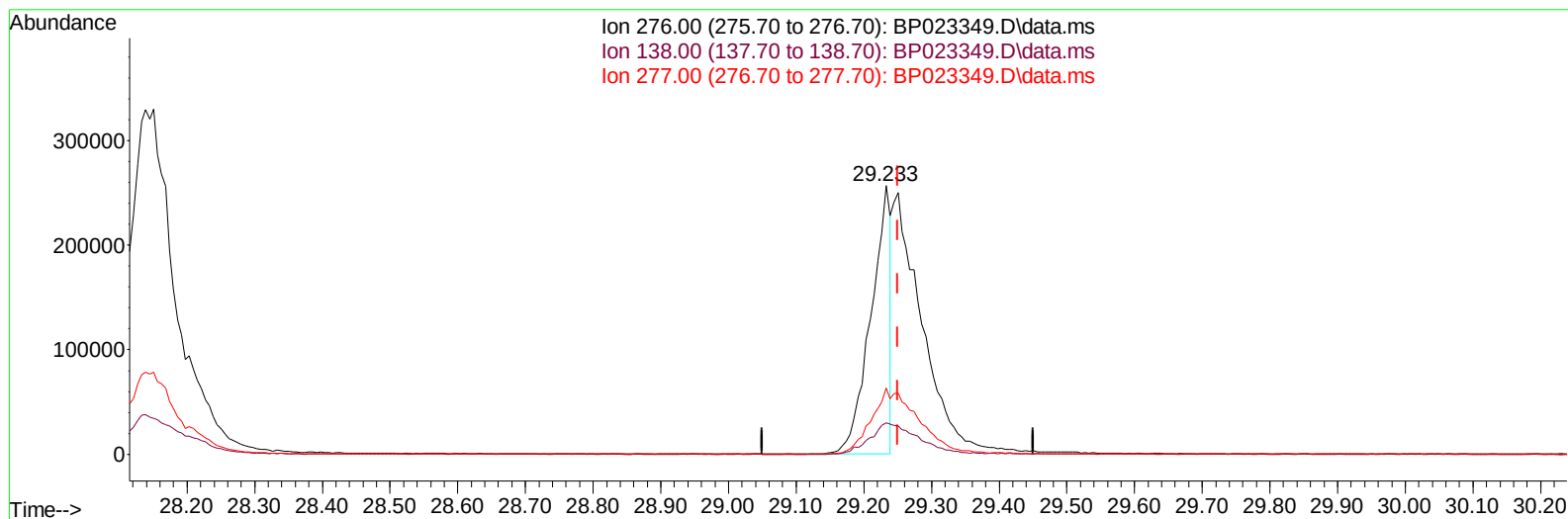
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121024\
Data File : BP023349.D
Acq On : 10 Dec 2024 16:33
Operator : RC/JU
Sample : PB165457BS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SLCS457

Manual IntegrationsAPPROVED

Quant Time: Dec 11 01:42:53 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP112624.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Dec 11 00:30:30 2024
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Reviewed By :Yogesh Patel 12/12/2024
Supervised By :mohammad ahmed 12/13/2024



TIC: BP023349.D\data.ms

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

29.233min (-0.018) 11.09 ng/u1

response 521613

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	10.60	11.74
277.00	23.60	24.64
0.00	0.00	0.00

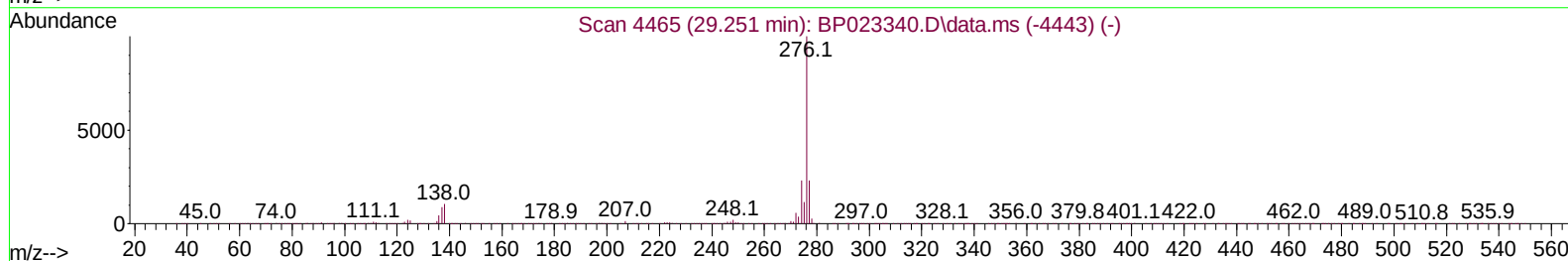
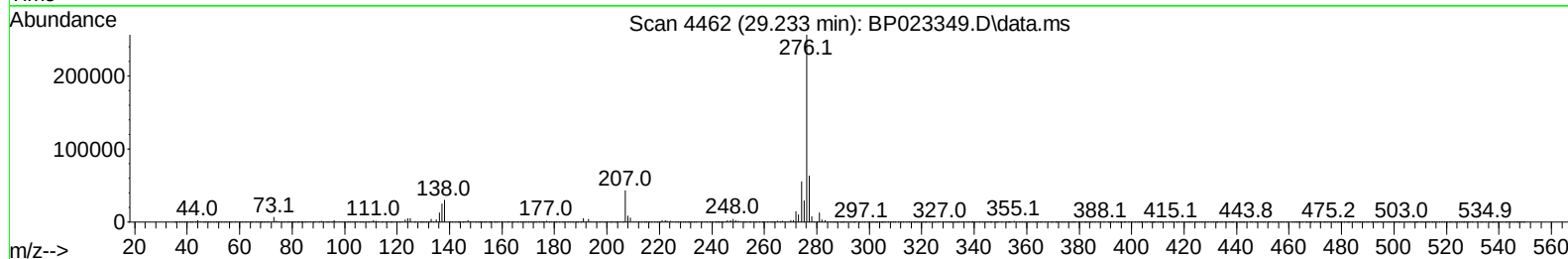
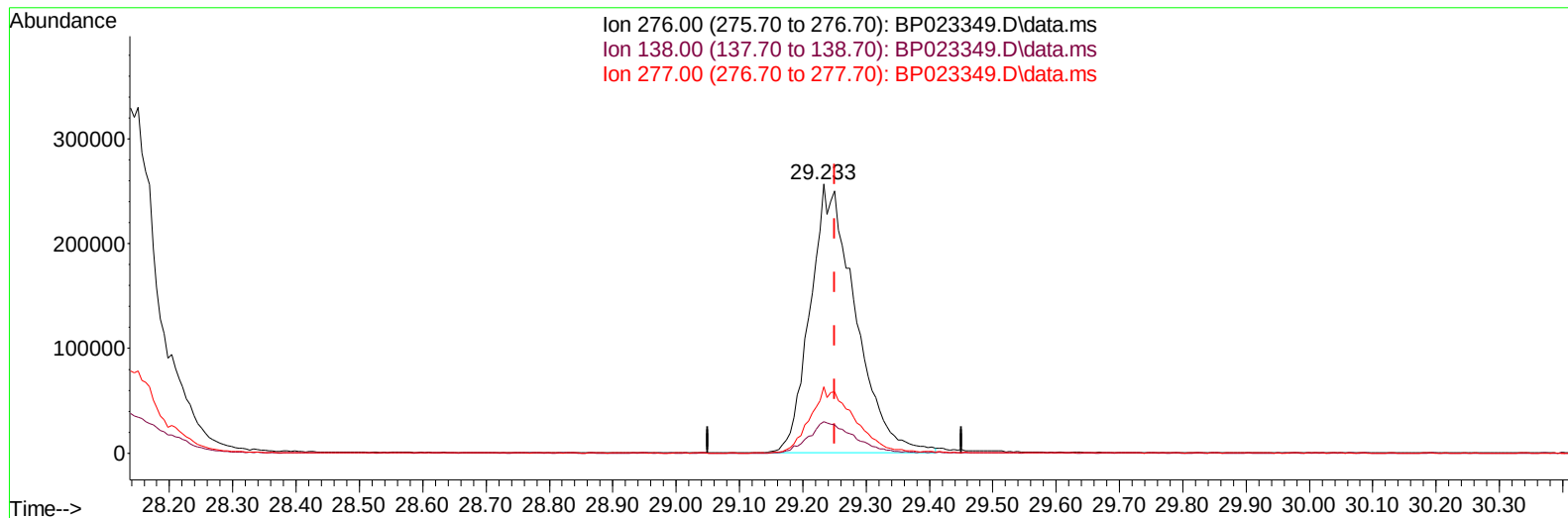
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121024\
Data File : BP023349.D
Acq On : 10 Dec 2024 16:33
Operator : RC/JU
Sample : PB165457BS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
SLCS457

Manual IntegrationsAPPROVED

Quant Time: Dec 11 01:42:53 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP112624.MA.M
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Supervised By :mohammad ahmed 12/13/2024



TIC: BP023349.D\data.ms

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

29.233min (-0.018) 27.10 ng/ul m

response 1274486

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	10.60	11.74
277.00	23.60	24.64
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121024\
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 Operator : RC/JU
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 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 SLCS457

Manual IntegrationsAPPROVED

Quant Time: Dec 11 01:44:44 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP112624.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 11 00:30:30 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/12/2024
 Supervised By :mohammad ahmed 12/13/2024

Compound	R.T.	Q	Ion	Response	Conc	Units	Dev(Min)

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.546	152		88482	20.000	ng/ul	0.00
20) Naphthalene-d8	10.281	136		328844	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.151	164		258628	20.000	ng/ul	0.00
64) Phenanthrene-d10	16.957	188		649642	20.000	ng/ul	0.00
79) Chrysene-d12	21.386	240		729077	20.000	ng/ul	0.00
88) Perylene-d12	24.568	264		839051m	20.000	ng/ul	0.00
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.111	96		13273	5.523	ng/uL	0.00
4) Pyridine-d5	3.528	84		172471	27.908	ng/ul	0.01
7) Phenol-d5	6.752	99		207628	29.907	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	6.893	67		121727	27.791	ng/ul	0.00
11) 2-Chlorophenol-d4	7.093	132		146260	28.544	ng/ul	0.00
15) 4-Methylphenol-d8	8.257	113		156682	27.963	ng/ul	0.00
21) Nitrobenzene-d5	8.687	128		65976	26.868	ng/ul	0.00
24) 2-Nitrophenol-d4	9.393	143		76837	27.150	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	9.934	165		173054	28.972	ng/ul	0.00
31) 4-Chloroaniline-d4	10.440	131		166699	24.912	ng/ul	0.00
46) Dimethylphthalate-d6	13.557	166		544737	27.132	ng/ul	0.00
49) Acenaphthylene-d8	13.839	160		566999	26.774	ng/ul	0.00
54) 4-Nitrophenol-d4	14.422	143		72052	29.285	ng/ul	0.01
60) Fluorene-d10	15.163	176		471974	26.726	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.322	200		107947	27.494	ng/ul	0.01
73) Anthracene-d10	17.057	188		797728	26.906	ng/ul	0.00
81) Pyrene-d10	19.445	212		1029094	27.017	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.333	264		1188412	26.458	ng/ul	-0.01
Target Compounds							
						Qvalue	
2) 1,4-Dioxane	3.146	88		27781	10.447	ng/uL	96
5) Pyridine	3.546	79		170573	27.020	ng/ul	95
6) Benzaldehyde	6.728	77		31218	7.866	ng/ul	92
8) Phenol	6.781	94		214747	29.712	ng/ul	98
10) Bis(2-Chloroethyl)ether	6.987	93		154960	27.161	ng/ul	99
12) 2-Chlorophenol	7.122	128		150652	28.046	ng/ul	96
13) 2-Methylphenol	7.993	108		151566	28.276	ng/ul	99
14) 2,2'-oxybis(1-Chloropr...	8.052	45		196338	28.299	ng/ul	97
16) Acetophenone	8.357	105		244673	25.944	ng/ul	98
17) N-Nitroso-di-n-propyla...	8.334	70		137121	26.684	ng/ul	99
18) 4-Methylphenol	8.316	108		164644	28.458	ng/ul	96
19) Hexachloroethane	8.587	117		69447	26.552	ng/ul	93
22) Nitrobenzene	8.728	77		206876	27.687	ng/ul	97
23) Isophorone	9.240	82		371347	28.059	ng/ul	98
25) 2-Nitrophenol	9.422	139		83516	27.626	ng/ul	98
26) 2,4-Dimethylphenol	9.493	107		191175	28.558	ng/ul	96
27) Bis(2-Chloroethoxy)met...	9.710	93		203498	27.216	ng/ul	98
29) 2,4-Dichlorophenol	9.957	162		168600	28.480	ng/ul	98
30) Naphthalene	10.334	128		447805	26.012	ng/ul	99
32) 4-Chloroaniline	10.463	127		111481	17.182	ng/ul	97
33) Hexachlorobutadiene	10.604	225		134983	25.705	ng/ul	96
34) Caprolactam	11.251	113		46764m	27.073	ng/ul	
35) 4-Chloro-3-methylphenol	11.598	107		186792	29.059	ng/ul	95

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121024\
 Data File : BP023349.D
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 Operator : RC/JU
 Sample : PB165457BS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SLCS457

Manual IntegrationsAPPROVED

Quant Time: Dec 11 01:44:44 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP112624.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 11 00:30:30 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 12/12/2024
 Supervised By :mohammad ahmed 12/13/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 2-Methylnaphthalene	11.945	142	331404	25.960	ng/ul	99
37) 1-Methylnaphthalene	12.157	142	335402	25.782	ng/ul	95
39) 1,2,4,5-Tetrachloroben...	12.322	216	238453	25.266	ng/ul	96
40) Hexachlorocyclopentadiene	12.287	237	104570	23.060	ng/ul	96
41) 2,4,6-Trichlorophenol	12.575	196	158677	28.410	ng/ul	96
42) 2,4,5-Trichlorophenol	12.675	196	169971	28.483	ng/ul	99
43) 1,1'-Biphenyl	12.969	154	471450	25.727	ng/ul	98
44) 2-Chloronaphthalene	13.016	162	386376	26.067	ng/ul	98
45) 2-Nitroaniline	13.239	65	129157	30.075	ng/ul	97
47) Dimethylphthalate	13.610	163	529838	26.790	ng/ul	99
48) 2,6-Dinitrotoluene	13.745	165	106509	28.106	ng/ul	99
50) Acenaphthylene	13.863	152	574946	26.660	ng/ul	99
51) 3-Nitroaniline	14.092	138	90624	28.533	ng/ul	96
52) Acenaphthene	14.216	153	409128	25.955	ng/ul	98
53) 2,4-Dinitrophenol	14.322	184	65551	26.824	ng/ul	93
55) 4-Nitrophenol	14.434	109	85344	25.748	ng/ul	94
56) Dibenzofuran	14.551	168	630893	26.354	ng/ul	99
57) 2,4-Dinitrotoluene	14.551	165	169212	27.710	ng/ul	87
58) 2,3,4,6-Tetrachlorophenol	14.804	232	160863	27.153	ng/ul	97
59) Diethylphthalate	14.992	149	531372	26.940	ng/ul	99
61) Fluorene	15.216	166	511317	26.232	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.210	204	292087	25.836	ng/ul	96
63) 4-Nitroaniline	15.269	138	94047	33.666	ng/ul	96
66) 4,6-Dinitro-2-methylph...	15.334	198	113470	27.244	ng/ul#	87
67) N-Nitrosodiphenylamine	15.439	169	446888	26.938	ng/ul	98
68) 4-Bromophenyl-phenylether	16.128	248	192422	25.091	ng/ul	99
69) Hexachlorobenzene	16.245	284	234688	24.979	ng/ul	97
70) Atrazine	16.422	200	199438	27.628	ng/ul	97
71) Pentachlorophenol	16.616	266	147852	26.961	ng/ul	96
72) Phenanthrene	16.998	178	888985	26.469	ng/ul	100
74) Anthracene	17.092	178	888797	26.466	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	12.934	216	239085	25.532	ng/uL	98
76) Pentachlorobenzene	14.481	250	261629	25.348	ng/uL	100
77) Carbazole	17.380	167	775965	28.361	ng/ul	99
78) Di-n-butylphthalate	17.969	149	909205	27.046	ng/ul	100
80) Fluoranthene	19.098	202	1188157	27.222	ng/ul	98
82) Pyrene	19.480	202	1270698	27.435	ng/ul	99
83) Butylbenzylphthalate	20.427	149	455612	28.402	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.298	252	430713	25.745	ng/ul	99
85) Benzo(a)anthracene	21.363	228	1302970	26.651	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.298	149	630144	27.354	ng/ul#	97
87) Chrysene	21.433	228	1253012	26.744	ng/ul	99
89) Di-n-octyl phthalate	22.498	149	1118770	27.301	ng/ul	100
90) Benzo(b)fluoranthene	23.551	252	1414256	26.828	ng/ul	99
91) Benzo(k)fluoranthene	23.615	252	1355636	25.845	ng/ul	99
93) Benzo(a)pyrene	24.404	252	1264153	26.448	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	28.150	276	1671972m	27.220	ng/ul	
95) Dibenzo(a,h)anthracene	28.203	278	1326216m	26.979	ng/ul	
96) Benzo(g,h,i)perylene	29.233	276	1274486m	27.100	ng/ul	

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

Instrument :

BNA_P

ClientSampleId :

SLCS457

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 12/12/2024

Supervised By :mohammad ahmed 12/13/2024

