

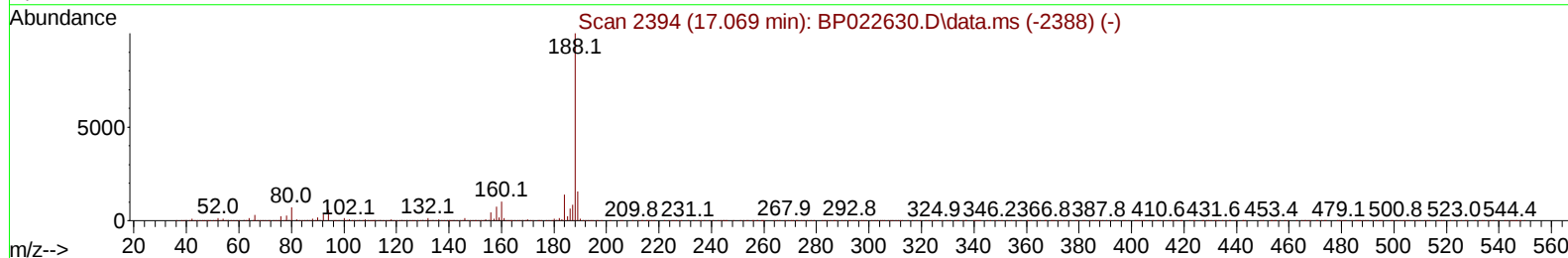
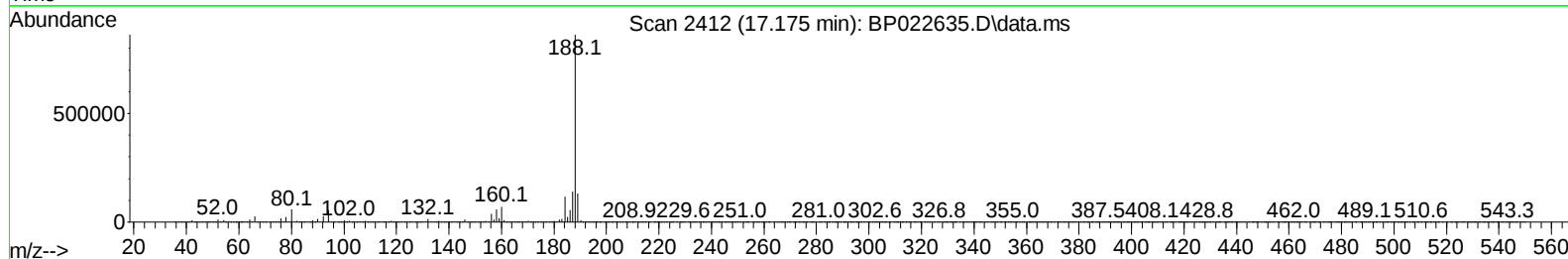
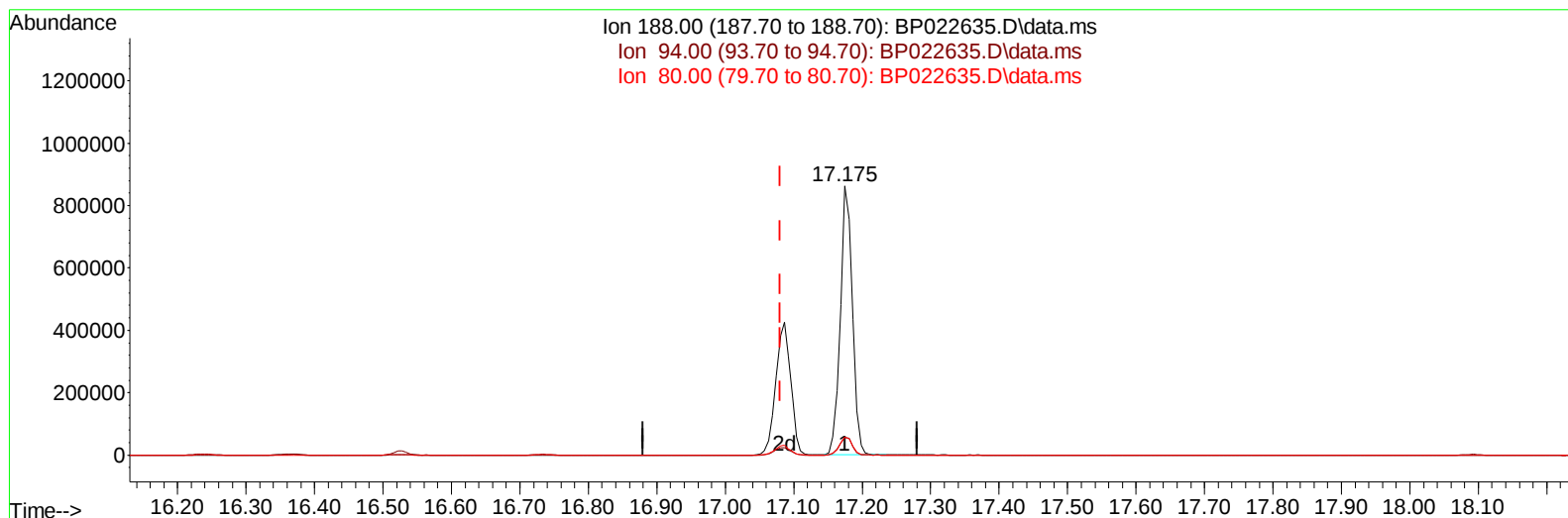
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102524\
 Data File : BP022635.D
 Acq On : 26 Oct 2024 09:57
 Operator : RC/JU
 Sample : P4532-02MS
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 GCNW3MS

Manual IntegrationsAPPROVED

Quant Time: Oct 27 23:52:04 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP100724.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Oct 26 05:55:04 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/28/2024
 Supervised By :mohammad ahmed 10/29/2024



TIC: BP022635.D\data.ms

(64) Phenanthrene-d10 (I)

17.175min (+ 0.094) 20.00 ng/u1

response 1053681

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	7.00	6.52
80.00	8.20	6.67
0.00	0.00	0.00

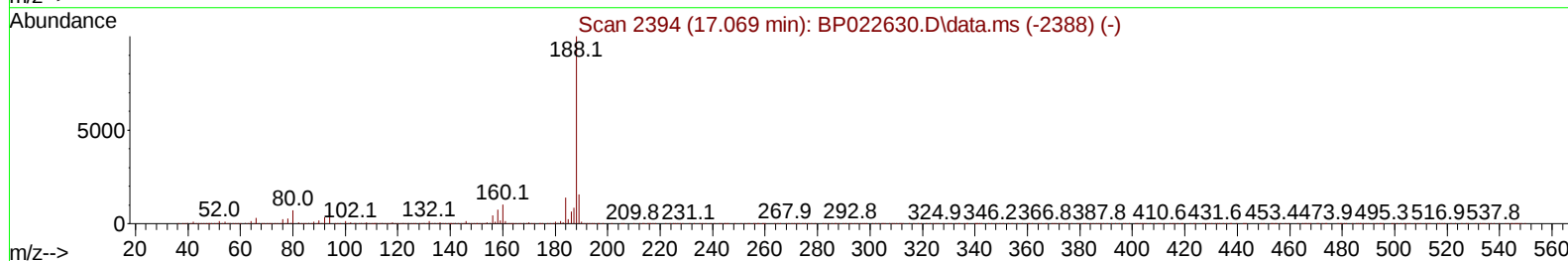
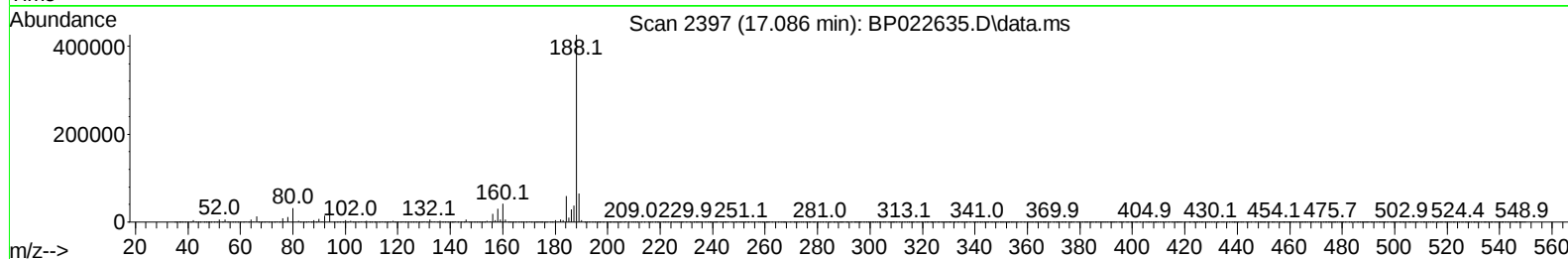
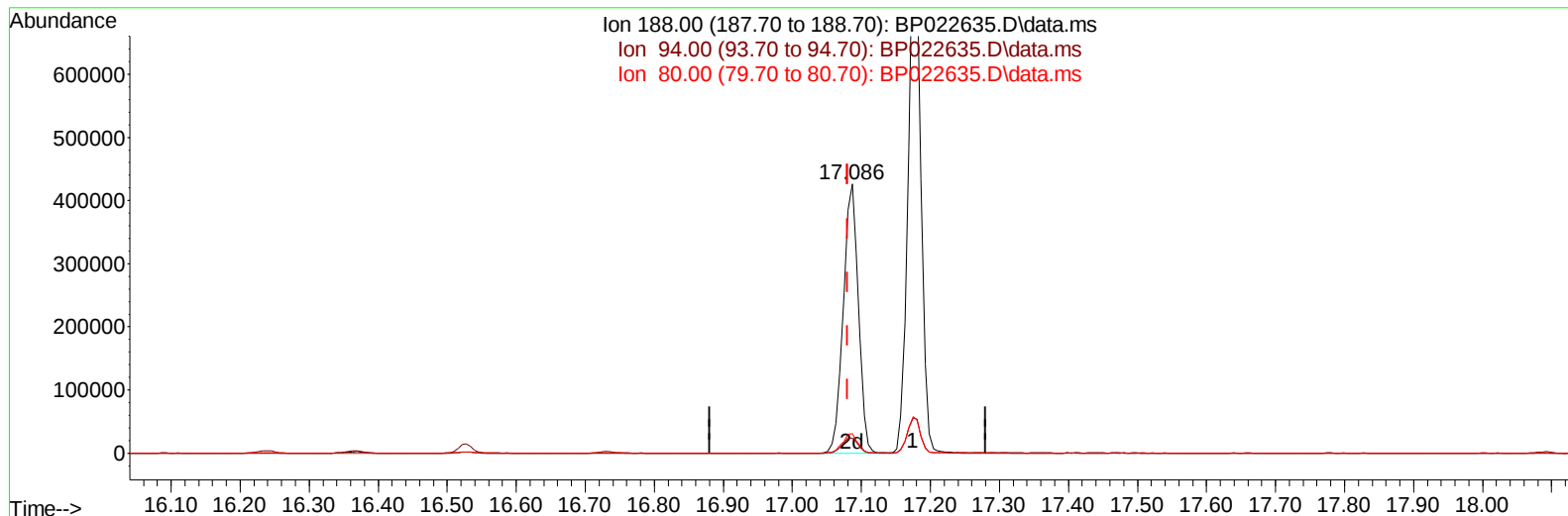
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102524\
 Data File : BP022635.D
 Acq On : 26 Oct 2024 09:57
 Operator : RC/JU
 Sample : P4532-02MS
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 GCNW3MS

Manual IntegrationsAPPROVED

Quant Time: Oct 27 23:52:04 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP100724.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Oct 26 05:55:04 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/28/2024
 Supervised By :mohammad ahmed 10/29/2024



TIC: BP022635.D\data.ms

(64) Phenanthrene-d10 (I)

17.086min (+ 0.006) 20.00 ng/ul m

response 646392

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	7.00	5.54#
80.00	8.20	7.34
0.00	0.00	0.00

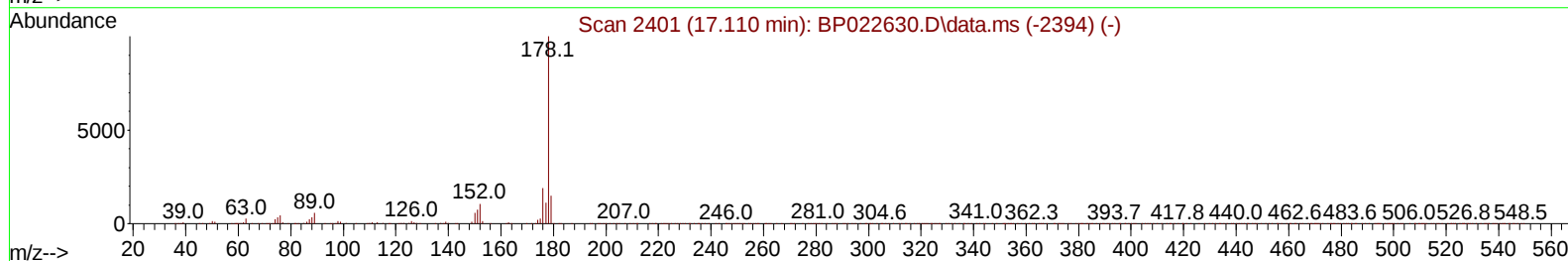
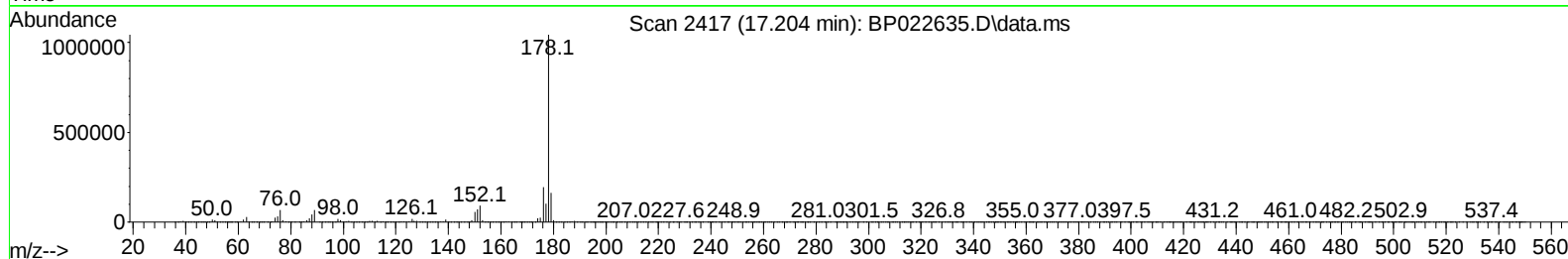
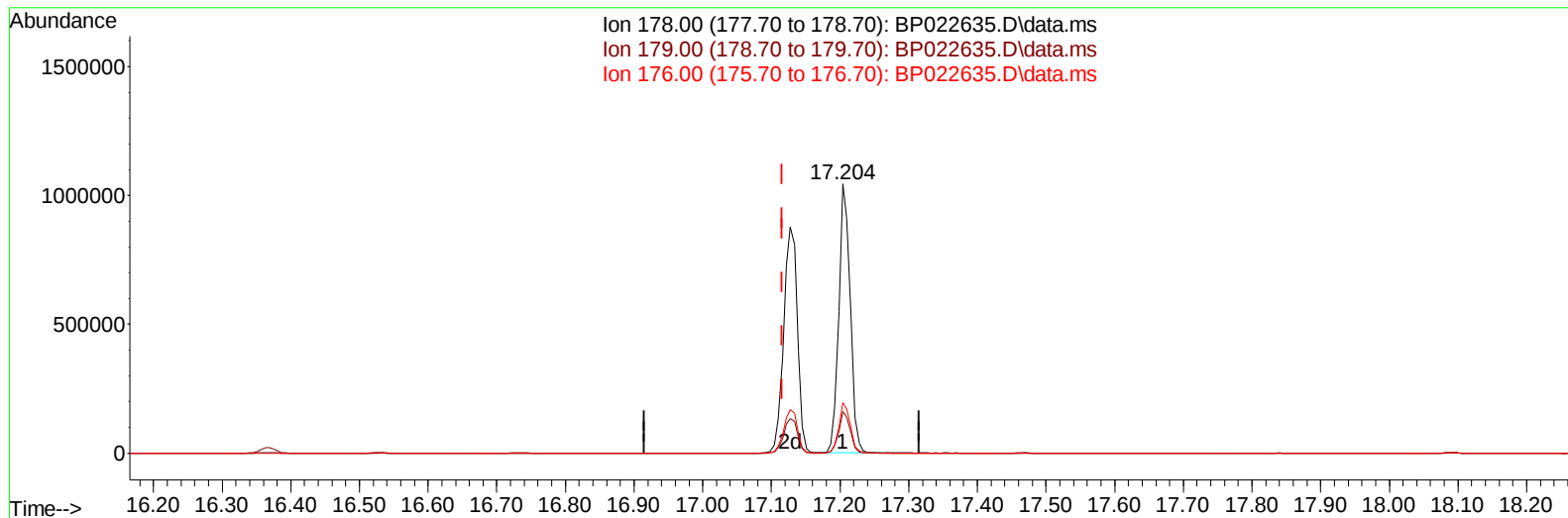
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102524\
Data File : BP022635.D
Acq On : 26 Oct 2024 09:57
Operator : RC/JU
Sample : P4532-02MS
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
GCNW3MS

Manual IntegrationsAPPROVED

Quant Time: Oct 27 23:59:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP100724.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Oct 26 05:55:04 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :mohammad ahmed 10/29/2024



TIC: BP022635.D\data.ms

(72) Phenanthrene

17.204min (+ 0.089) 35.09 ng/u1

response 1213497

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.30	15.53
176.00	19.60	18.79
0.00	0.00	0.00

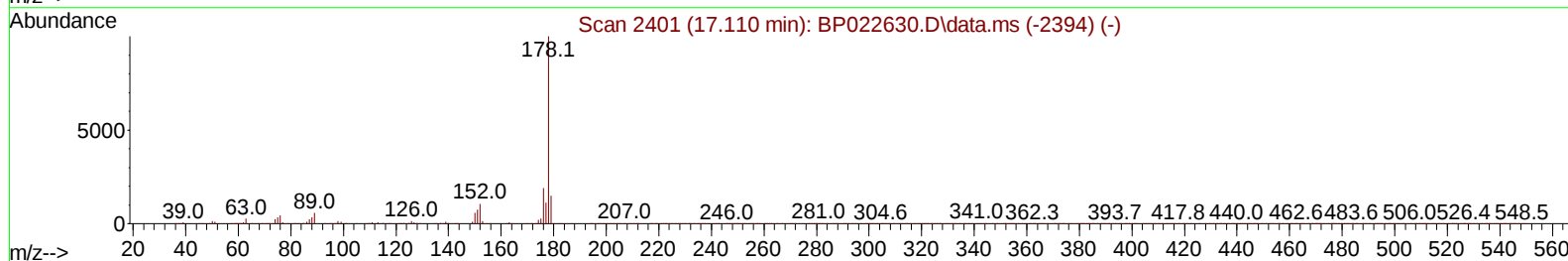
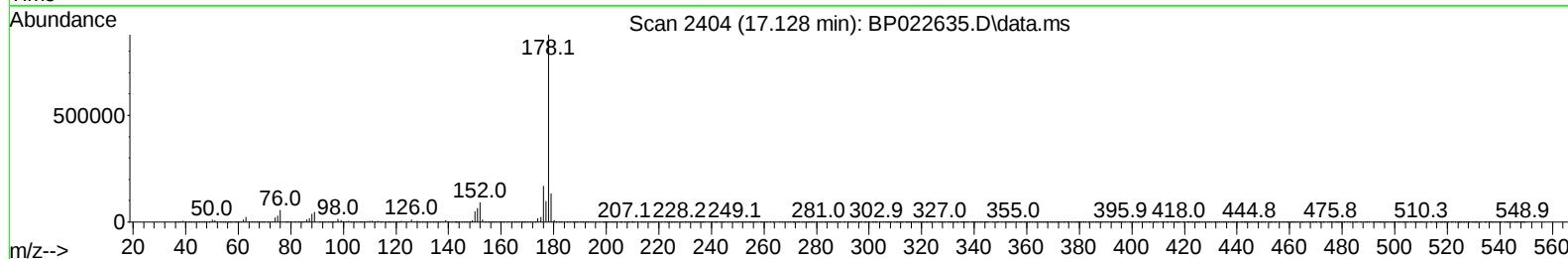
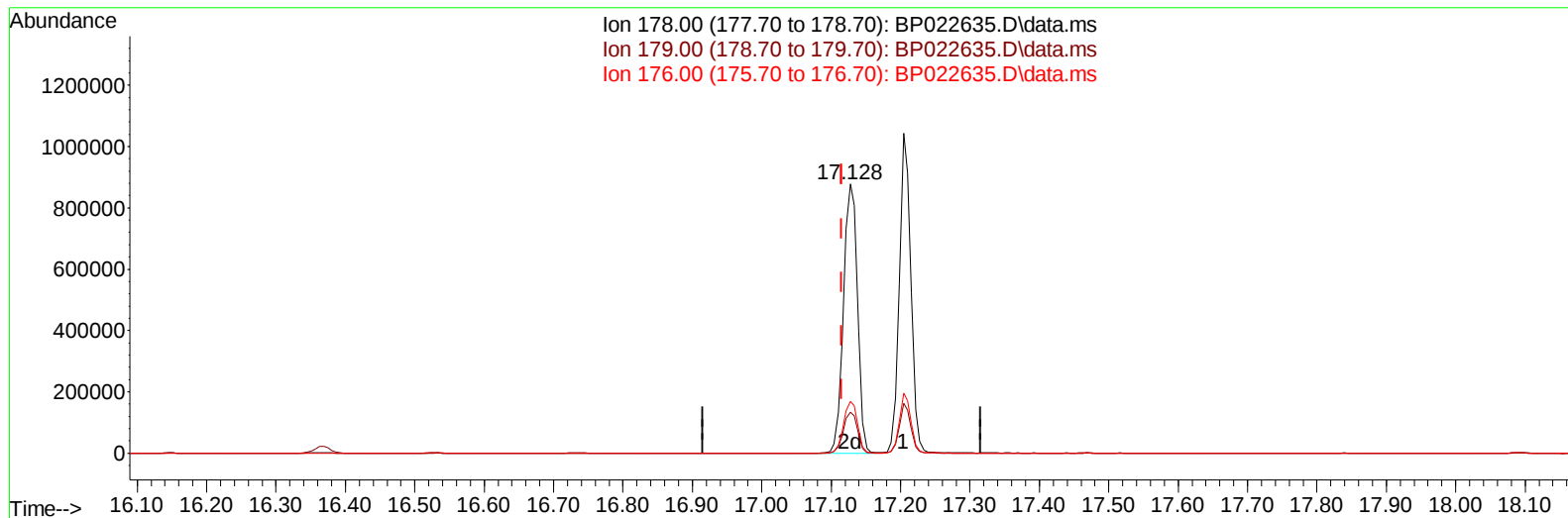
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102524\
 Data File : BP022635.D
 Acq On : 26 Oct 2024 09:57
 Operator : RC/JU
 Sample : P4532-02MS
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 GCNW3MS

Manual IntegrationsAPPROVED

Quant Time: Oct 27 23:59:15 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP100724.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Oct 26 05:55:04 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/28/2024
 Supervised By :mohammad ahmed 10/29/2024



TIC: BP022635.D\data.ms

(72) Phenanthrene

17.128min (+ 0.012) 35.41 ng/ul m

response 1224572

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.30	15.29
176.00	19.60	19.21
0.00	0.00	0.00

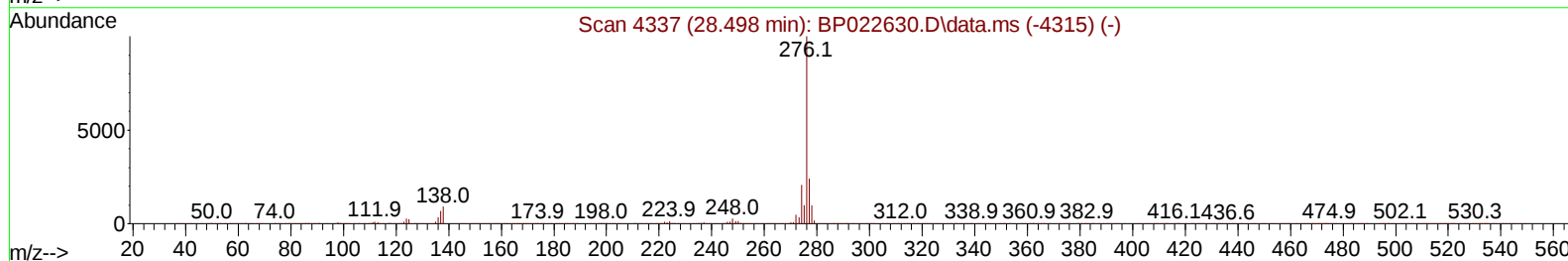
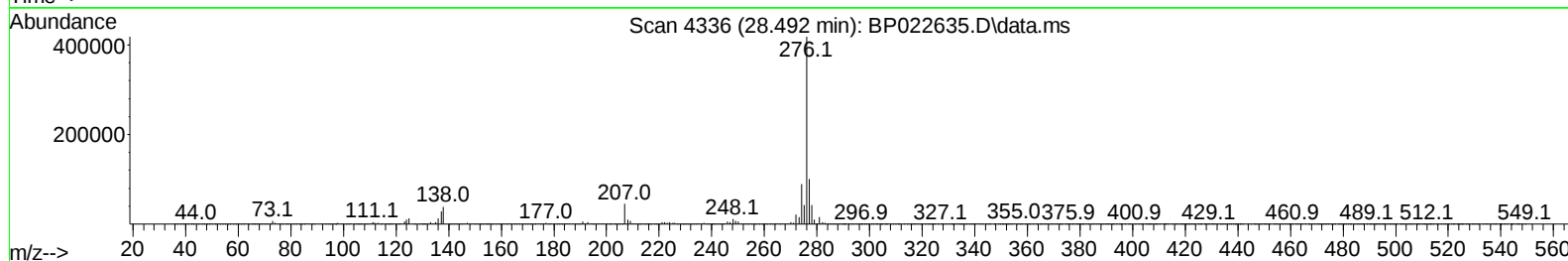
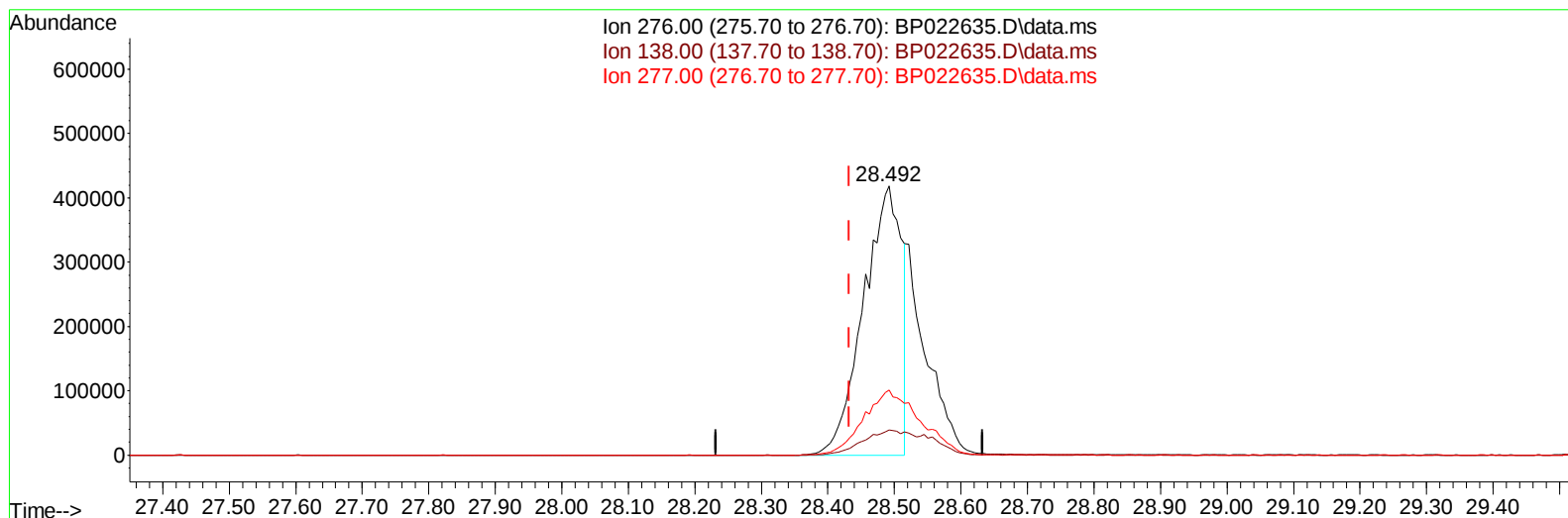
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102524\
Data File : BP022635.D
Acq On : 26 Oct 2024 09:57
Operator : RC/JU
Sample : P4532-02MS
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
GCNW3MS

Manual IntegrationsAPPROVED

Quant Time: Oct 27 23:59:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP100724.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Oct 26 05:55:04 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :mohammad ahmed 10/29/2024



TIC: BP022635.D\data.ms

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

28.492min (+ 0.059) 25.67 ng/u1

response 1667688

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	11.40	9.24
277.00	23.20	24.08
0.00	0.00	0.00

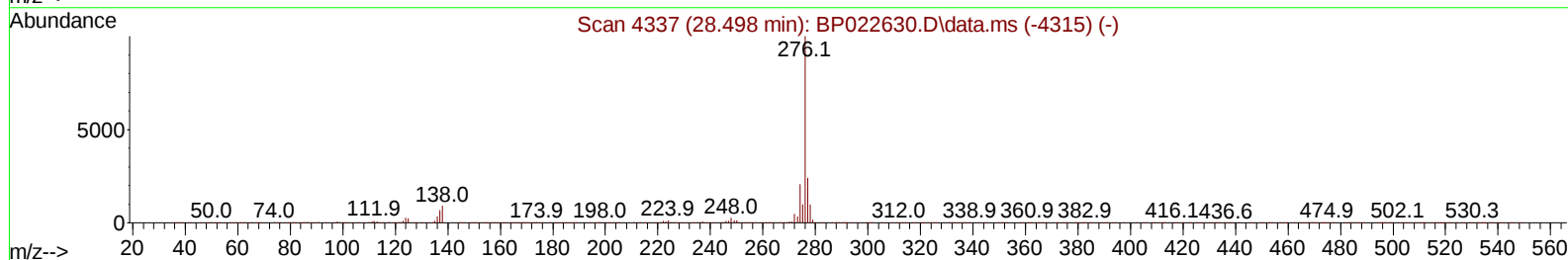
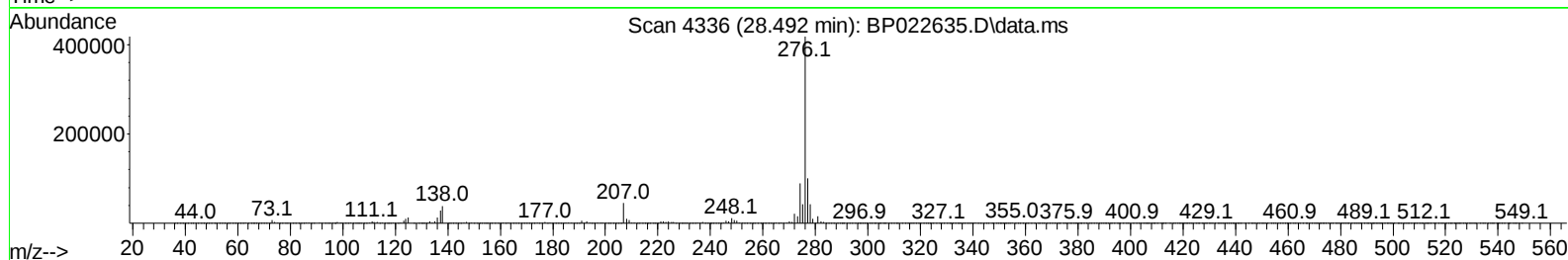
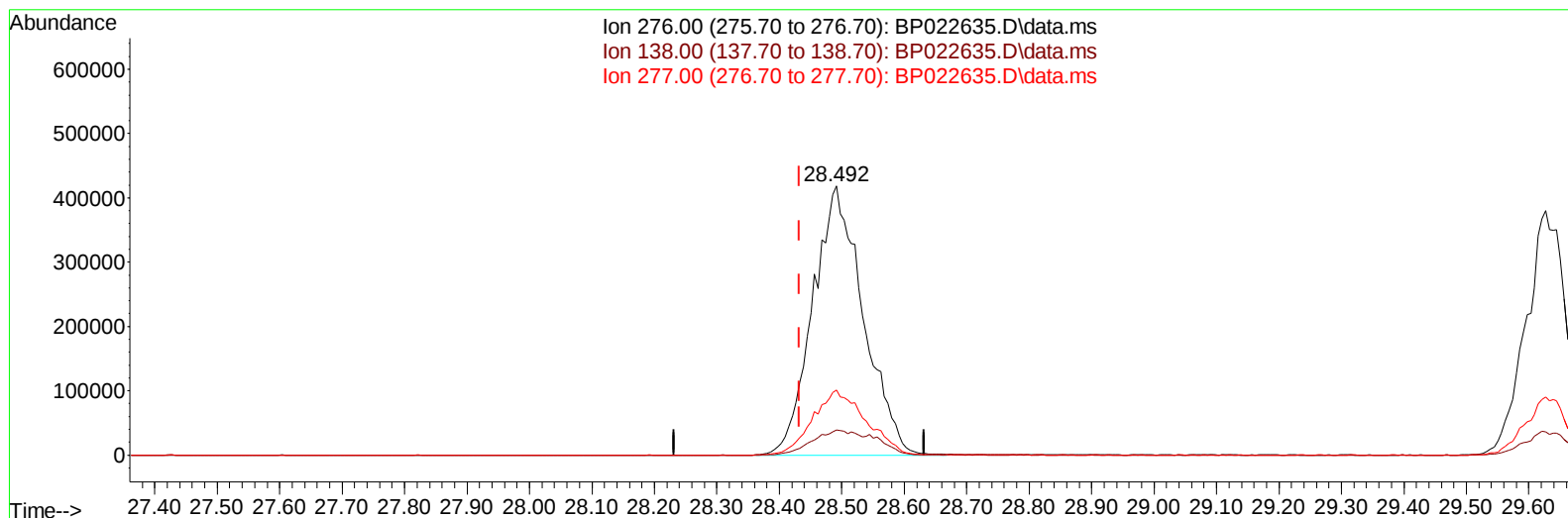
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102524\
Data File : BP022635.D
Acq On : 26 Oct 2024 09:57
Operator : RC/JU
Sample : P4532-02MS
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
GCNW3MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :mohammad ahmed 10/29/2024

Quant Time: Oct 27 23:59:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP100724.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Oct 26 05:55:04 2024
Response via : Initial Calibration



TIC: BP022635.D\data.ms

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

28.492min (+ 0.059) 36.10 ng/u1 m

response 2345175

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	11.40	9.24
277.00	23.20	24.08
0.00	0.00	0.00

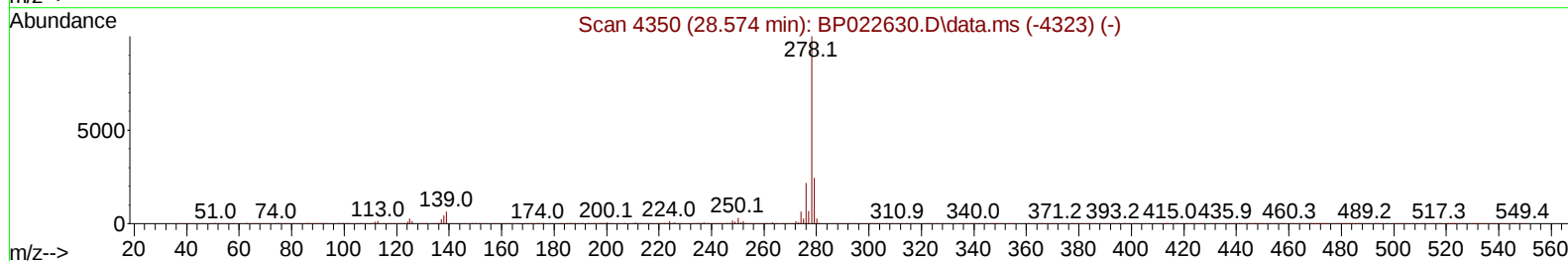
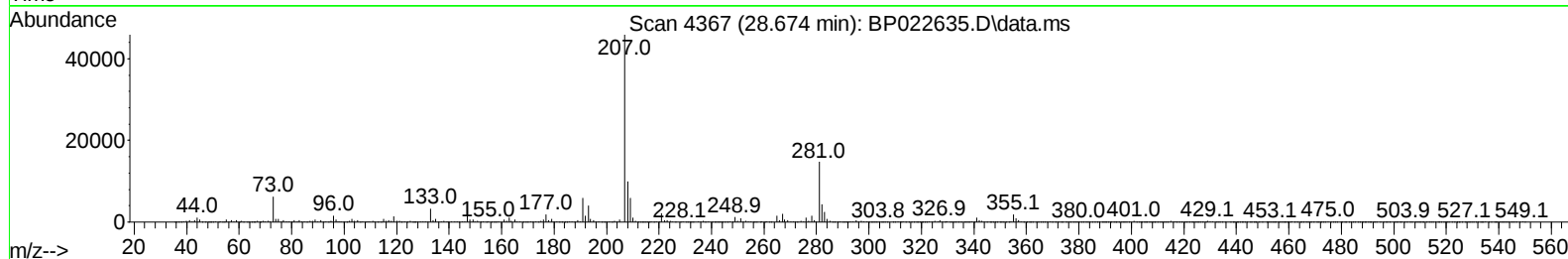
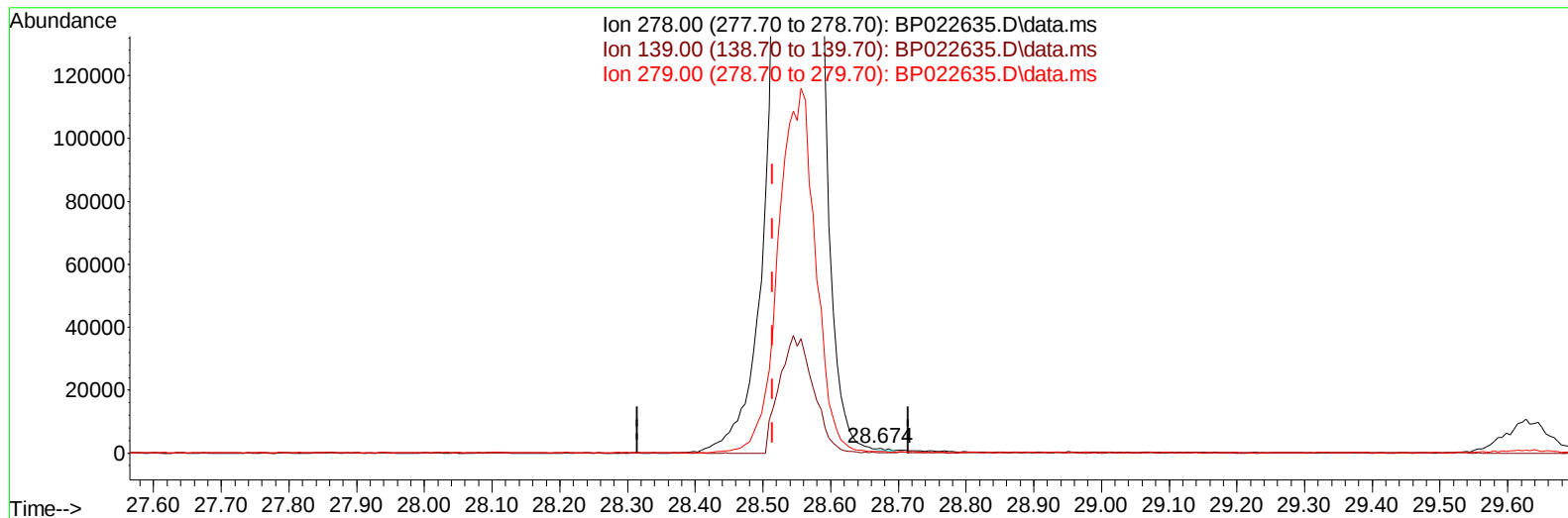
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102524\
Data File : BP022635.D
Acq On : 26 Oct 2024 09:57
Operator : RC/JU
Sample : P4532-02MS
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
GCNW3MS

Manual IntegrationsAPPROVED

Quant Time: Oct 27 23:59:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP100724.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Oct 26 05:55:04 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :mohammad ahmed 10/29/2024



TIC: BP022635.D\data.ms

(95) Dibenzo(a,h)anthracene

28.674min (+ 0.159) 0.01 ng/u1

response 467

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	9.10	14.90#
279.00	23.70	30.84#
0.00	0.00	0.00

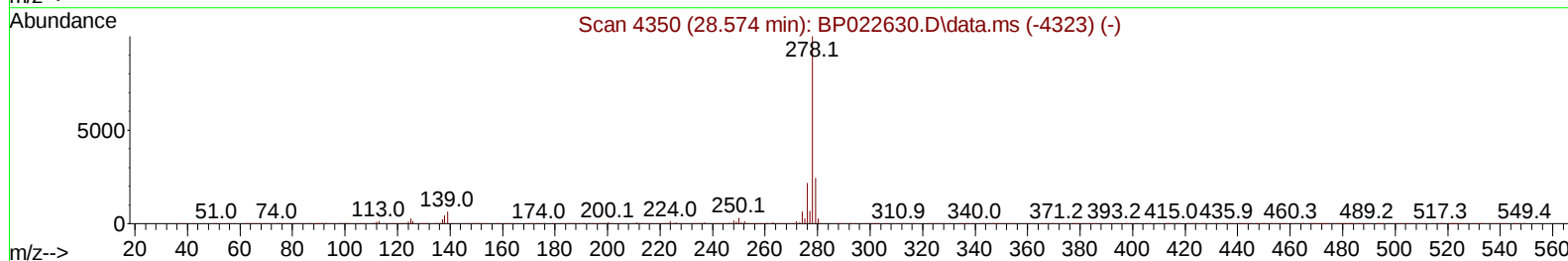
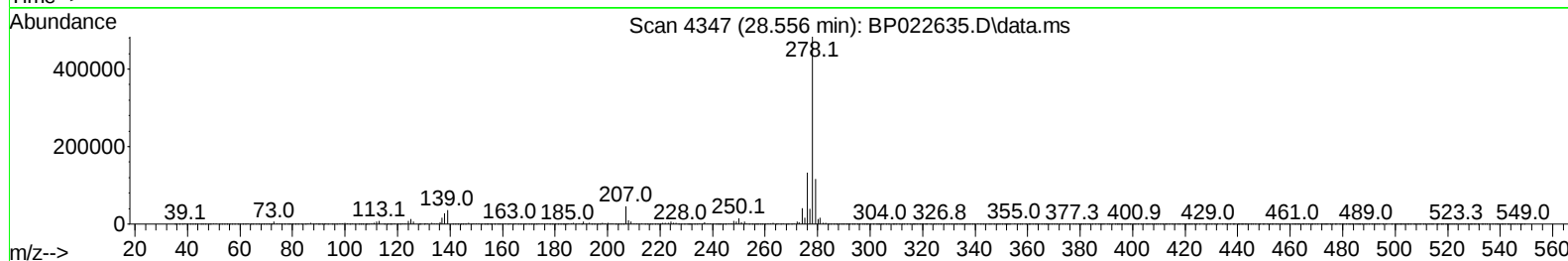
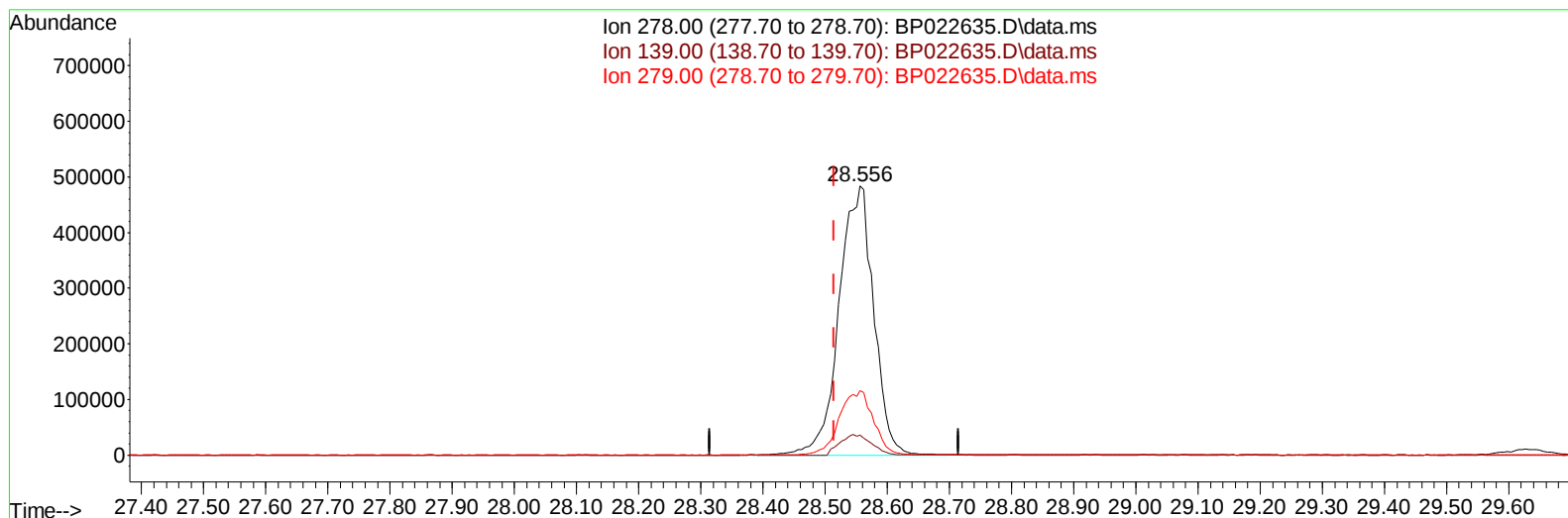
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102524\
Data File : BP022635.D
Acq On : 26 Oct 2024 09:57
Operator : RC/JU
Sample : P4532-02MS
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
GCNW3MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :mohammad ahmed 10/29/2024

Quant Time: Oct 27 23:59:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP100724.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Oct 26 05:55:04 2024
Response via : Initial Calibration



TIC: BP022635.D\data.ms

(95) Dibenzo(a,h)anthracene

28.556min (+ 0.041) 35.58 ng/ul m

response 1871686

Ion	Exp%	Act%
278.00	100.00	100.00
139.00	9.10	7.54
279.00	23.70	23.96
0.00	0.00	0.00

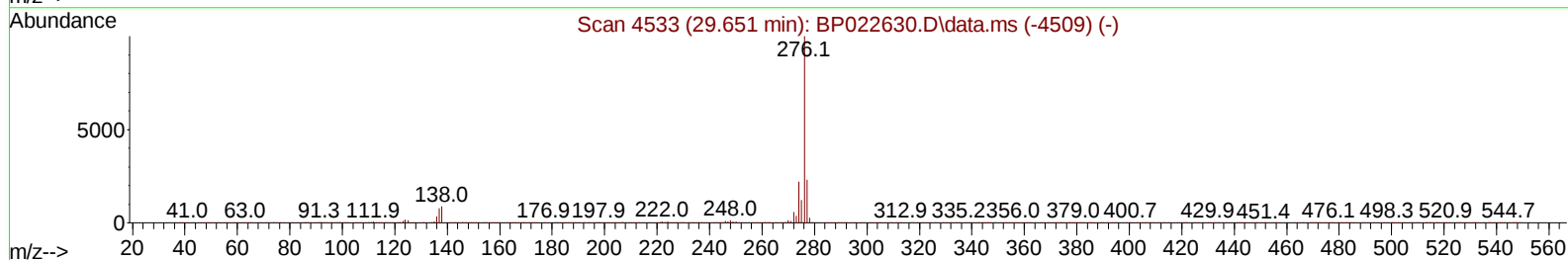
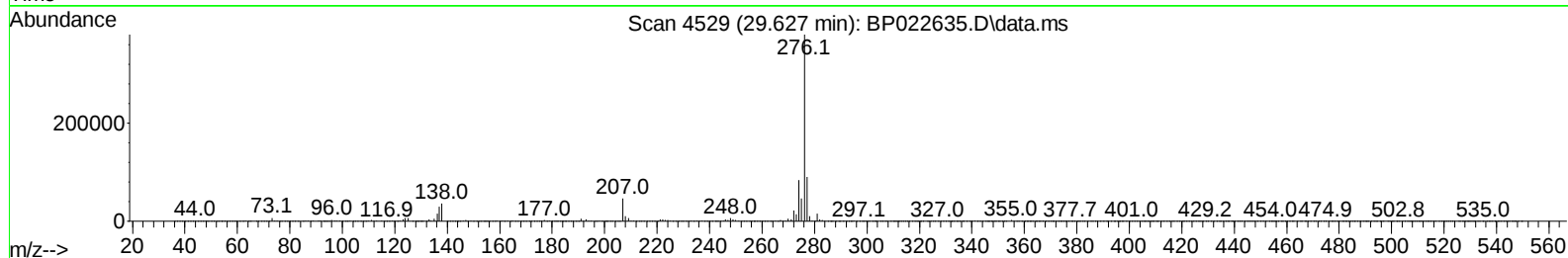
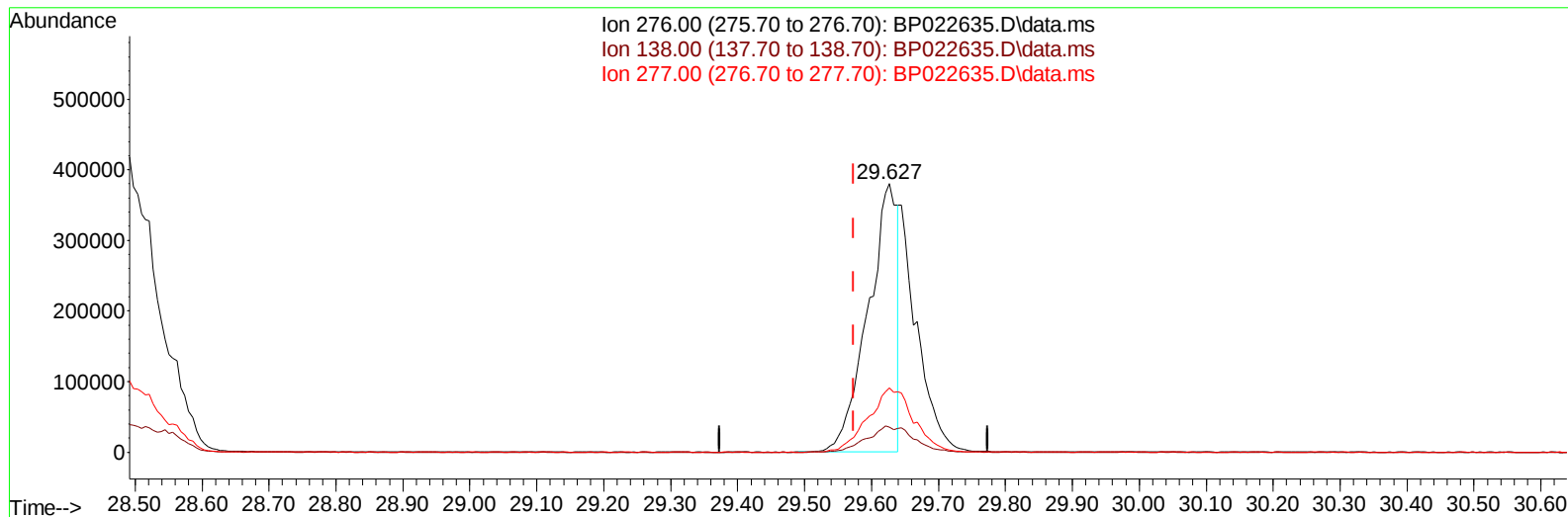
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102524\
Data File : BP022635.D
Acq On : 26 Oct 2024 09:57
Operator : RC/JU
Sample : P4532-02MS
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
GCNW3MS

Manual IntegrationsAPPROVED

Quant Time: Oct 27 23:59:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP100724.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Oct 26 05:55:04 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :mohammad ahmed 10/29/2024



TIC: BP022635.D\data.ms

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

29.627min (+ 0.053) 22.81 ng/u1

response 1152475

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	10.60	9.40
277.00	23.70	23.88
0.00	0.00	0.00

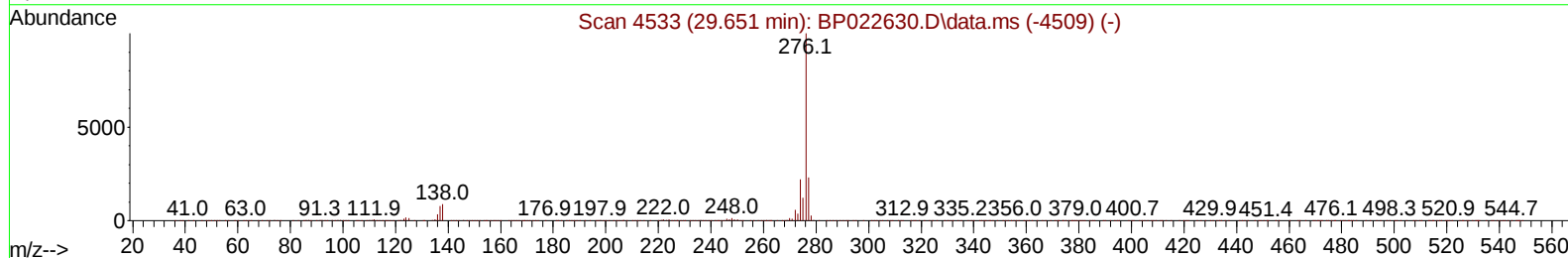
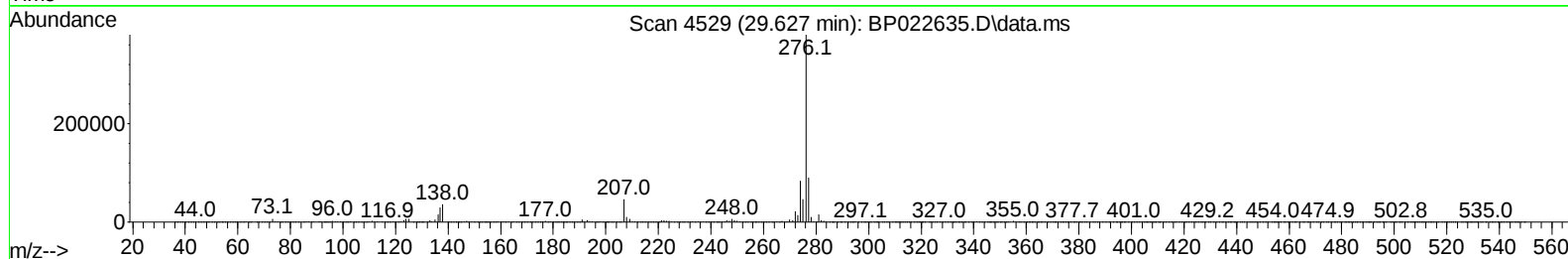
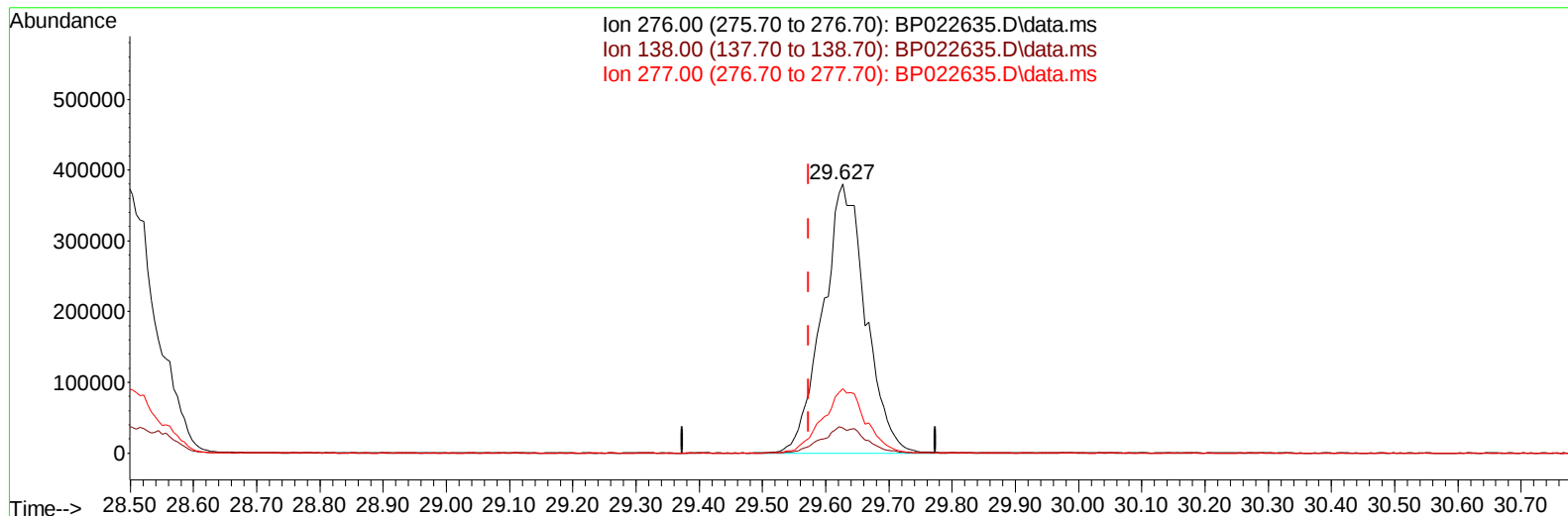
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102524\
Data File : BP022635.D
Acq On : 26 Oct 2024 09:57
Operator : RC/JU
Sample : P4532-02MS
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
GCNW3MS

Manual IntegrationsAPPROVED

Quant Time: Oct 27 23:59:15 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP100724.MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Oct 26 05:55:04 2024
Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/28/2024
Supervised By :mohammad ahmed 10/29/2024



TIC: BP022635.D\data.ms

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

29.627min (+ 0.053) 35.46 ng/ul m

response 1792095

Ion	Exp%	Act%
276.00	100.00	100.00
138.00	10.60	9.40
277.00	23.70	23.88
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102524\
 Data File : BP022635.D
 Acq On : 26 Oct 2024 09:57
 Operator : RC/JU
 Sample : P4532-02MS
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 GCNW3MS

Manual IntegrationsAPPROVED

Quant Time: Oct 28 00:00:37 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP100724.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Oct 26 05:55:04 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/28/2024
 Supervised By :mohammad ahmed 10/29/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.646	152	97989	20.000	ng/ul	-0.01
20) Naphthalene-d8	10.399	136	336800	20.000	ng/ul	-0.02
38) Acenaphthene-d10	14.257	164	262505	20.000	ng/ul	-0.02
64) Phenanthrene-d10	17.086	188	646392m	20.000	ng/ul	0.00
79) Chrysene-d12	21.516	240	718728	20.000	ng/ul	0.02
88) Perylene-d12	24.768	264	840359	20.000	ng/ul	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.181	96	9075	3.599	ng/uL	-0.02
4) Pyridine-d5	3.599	84	45680	6.599	ng/ul	-0.01
7) Phenol-d5	6.840	99	57214	6.936	ng/ul	-0.01
9) Bis-(2-Chloroethyl)eth...	6.993	67	135234	27.895	ng/ul	-0.01
11) 2-Chlorophenol-d4	7.193	132	159851	27.312	ng/ul	-0.01
15) 4-Methylphenol-d8	8.352	113	99864	15.171	ng/ul	-0.01
21) Nitrobenzene-d5	8.787	128	83830	32.371	ng/ul	-0.01
24) 2-Nitrophenol-d4	9.499	143	108066	36.044	ng/ul	-0.01
28) 2,4-Dichlorophenol-d3	10.034	165	207666	32.589	ng/ul	-0.02
31) 4-Chloroaniline-d4	10.540	131	150589	20.000	ng/ul	-0.02
46) Dimethylphthalate-d6	13.675	166	700686	33.595	ng/ul	0.00
49) Acenaphthylene-d8	13.951	160	724300	32.697	ng/ul	-0.01
54) 4-Nitrophenol-d4	14.498	143	29744	8.501	ng/ul	0.00
60) Fluorene-d10	15.275	176	610647	33.755	ng/ul	-0.02
65) 4,6-Dinitro-2-methylph...	15.428	200	149011	35.051	ng/ul	0.01
73) Anthracene-d10	17.175	188	1053926	34.660	ng/ul	0.00
81) Pyrene-d10	19.563	212	1373803	36.145	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.557	264	1617078	36.032	ng/ul	0.03
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.217	88	10295	3.797	ng/ul#	91
5) Pyridine	3.617	79	52120	7.343	ng/ul	91
6) Benzaldehyde	6.805	77	106397	23.869	ng/ul	96
8) Phenol	6.869	94	65158	7.593	ng/ul	95
10) Bis(2-Chloroethyl)ether	7.081	93	187485	29.191	ng/ul	97
12) 2-Chlorophenol	7.222	128	166656	27.536	ng/ul	94
13) 2-Methylphenol	8.093	108	117018	18.789	ng/ul	98
14) 2,2'-oxybis(1-Chloropr...	8.158	45	192519	25.792	ng/ul	98
16) Acetophenone	8.457	105	303910	27.965	ng/ul	96
17) N-Nitroso-di-n-propyla...	8.440	70	156619	28.446	ng/ul	97
18) 4-Methylphenol	8.416	108	109279	15.817	ng/ul	95
19) Hexachloroethane	8.705	117	47397	16.815	ng/ul	98
22) Nitrobenzene	8.828	77	240738	31.143	ng/ul	97
23) Isophorone	9.352	82	436024	31.460	ng/ul	97
25) 2-Nitrophenol	9.528	139	111114	34.388	ng/ul	98
26) 2,4-Dimethylphenol	9.599	107	170713	24.307	ng/ul	97
27) Bis(2-Chloroethoxy)met...	9.816	93	241385	30.673	ng/ul	98
29) 2,4-Dichlorophenol	10.057	162	211656	33.729	ng/ul	99
30) Naphthalene	10.446	128	504662	28.132	ng/ul	98
32) 4-Chloroaniline	10.569	127	105410	14.182	ng/ul	96
33) Hexachlorobutadiene	10.728	225	126568	23.931	ng/ul	99
34) Caprolactam	11.363	113	9464	4.678	ng/ul	87
35) 4-Chloro-3-methylphenol	11.698	107	210864	30.798	ng/ul	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP102524\
 Data File : BP022635.D
 Acq On : 26 Oct 2024 09:57
 Operator : RC/JU
 Sample : P4532-02MS
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :

BNA_P

ClientSampleId :

GCNW3MS

Manual IntegrationsAPPROVED

Quant Time: Oct 28 00:00:37 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\SFAM-EPA-BP100724.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Oct 26 05:55:04 2024
 Response via : Initial Calibration

Reviewed By :Yogesh Patel 10/28/2024
 Supervised By :mohammad ahmed 10/29/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 2-Methylnaphthalene	12.063	142	416740	31.648	ng/ul	99
37) 1-Methylnaphthalene	12.287	142	416573	30.994	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.434	216	316754	32.634	ng/ul	97
40) Hexachlorocyclopentadiene	12.410	237	106148	17.949	ng/ul	99
41) 2,4,6-Trichlorophenol	12.687	196	211306	34.609	ng/ul	98
42) 2,4,5-Trichlorophenol	12.769	196	233709	35.950	ng/ul	98
43) 1,1'-Biphenyl	13.087	154	621652	32.855	ng/ul	99
44) 2-Chloronaphthalene	13.128	162	508638	32.838	ng/ul	98
45) 2-Nitroaniline	13.345	65	160072	34.610	ng/ul	93
47) Dimethylphthalate	13.728	163	695762	33.478	ng/ul	99
48) 2,6-Dinitrotoluene	13.840	165	149196	37.954	ng/ul	99
50) Acenaphthylene	13.981	152	750813	32.658	ng/ul	98
51) 3-Nitroaniline	14.175	138	115516	31.288	ng/ul	99
52) Acenaphthene	14.322	153	538691	33.135	ng/ul	99
53) 2,4-Dinitrophenol	14.404	184	95896	33.156	ng/ul	96
55) 4-Nitrophenol	14.510	109	35087	9.035	ng/ul	89
56) Dibenzofuran	14.669	168	833067	34.114	ng/ul	100
57) 2,4-Dinitrotoluene	14.645	165	228018	37.328	ng/ul#	99
58) 2,3,4,6-Tetrachlorophenol	14.910	232	220648	36.363	ng/ul	98
59) Diethylphthalate	15.104	149	699836	35.099	ng/ul	99
61) Fluorene	15.334	166	691159	34.736	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.322	204	397951	34.973	ng/ul	99
63) 4-Nitroaniline	15.375	138	141212	38.010	ng/ul	90
66) 4,6-Dinitro-2-methylph...	15.439	198	163016	35.600	ng/ul	98
67) N-Nitrosodiphenylamine	15.539	169	433112	25.021	ng/ul	99
68) 4-Bromophenyl-phenylether	16.239	248	283519	36.372	ng/ul	96
69) Hexachlorobenzene	16.369	284	360327	37.554	ng/ul	98
70) Atrazine	16.528	200	257484	35.785	ng/ul	94
71) Pentachlorophenol	16.734	266	221047	35.830	ng/ul	94
72) Phenanthrene	17.128	178	1224572m	35.410	ng/ul	
74) Anthracene	17.204	178	1212454	35.132	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.051	216	320640	32.578	ng/uL	97
76) Pentachlorobenzene	14.581	250	368536	33.872	ng/uL	98
77) Carbazole	17.498	167	1043180	34.161	ng/ul	99
78) Di-n-butylphthalate	18.092	149	1203077	35.606	ng/ul	99
80) Fluoranthene	19.222	202	1625220	37.195	ng/ul	98
82) Pyrene	19.598	202	1698287	36.264	ng/ul	98
83) Butylbenzylphthalate	20.539	149	606987	37.227	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.416	252	279139	16.293	ng/ul	98
85) Benzo(a)anthracene	21.498	228	1803273	35.790	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.427	149	829922	35.461	ng/ul	100
87) Chrysene	21.557	228	1665120	35.641	ng/ul	100
89) Di-n-octyl phthalate	22.663	149	1466640	36.691	ng/ul	100
90) Benzo(b)fluoranthene	23.745	252	1929823	36.482	ng/ul#	98
91) Benzo(k)fluoranthene	23.810	252	1917868	37.032	ng/ul	99
93) Benzo(a)pyrene	24.627	252	1739594	35.732	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	28.492	276	2345175m	36.098	ng/ul	
95) Dibenzo(a,h)anthracene	28.556	278	1871686m	35.578	ng/ul	
96) Benzo(g,h,i)perylene	29.627	276	1792095m	35.464	ng/ul	

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

Instrument :

BNA_P

ClientSampleId :

GCNW3MS

Manual IntegrationsAPPROVED

Reviewed By :Yogesh Patel 10/28/2024

Supervised By :mohammad ahmed 10/29/2024

