

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121624\
 Data File : BP023434.D
 Acq On : 16 Dec 2024 14:27
 Operator : RC/JU
 Sample : P5153-21
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 E28R4

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/18/2024
 Supervised By :mohammad ahmed 12/19/2024

Quant Time: Dec 16 23:19:14 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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.534	152	133280	20.000	ng/u1	0.00
20) Naphthalene-d8	10.275	136	496939	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.140	164	360771	20.000	ng/u1	0.00
64) Phenanthrene-d10	16.945	188	752673	20.000	ng/u1	-0.01
79) Chrysene-d12	21.380	240	763492	20.000	ng/u1	0.00
88) Perylene-d12	24.551	264	866729	20.000	ng/u1	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.105	96	9402m	2.597	ng/uL	0.00
4) Pyridine-d5	0.000	84	0d	0.000	ng/u1	
7) Phenol-d5	6.758	99	170609	16.315	ng/u1	0.01
9) Bis-(2-Chloroethyl)eth...	6.887	67	105620	16.008	ng/u1	0.00
11) 2-Chlorophenol-d4	7.087	132	128514	16.651	ng/u1	0.00
15) 4-Methylphenol-d8	8.258	113	130125	15.417	ng/u1	0.00
21) Nitrobenzene-d5	8.681	128	60097	16.195	ng/u1	0.00
24) 2-Nitrophenol-d4	9.387	143	72878	17.040	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	9.940	165	153817	17.041	ng/u1	0.00
31) 4-Chloroaniline-d4	10.452	131	70621m	6.984	ng/u1	0.01
46) Dimethylphthalate-d6	13.551	166	461787	16.488	ng/u1	0.00
49) Acenaphthylene-d8	13.834	160	501187	16.966	ng/u1	0.00
54) 4-Nitrophenol-d4	14.457	143	49306m	14.366	ng/u1	0.05
60) Fluorene-d10	15.157	176	408896	16.599	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.322	200	40856	8.982	ng/u1	0.01
73) Anthracene-d10	17.051	188	632222	18.405	ng/u1	0.00
81) Pyrene-d10	19.439	212	641701	16.087	ng/u1	0.00
92) Benzo(a)pyrene-d12	24.333	264	479788	10.341	ng/u1	-0.01
Target Compounds						
					Qvalue	
8) Phenol	6.781	94	19775	1.816	ng/u1	98
16) Acetophenone	8.358	105	40305	2.837	ng/u1	96
30) Naphthalene	10.322	128	48902	1.880	ng/u1	99
36) 2-Methylnaphthalene	11.946	142	24273	1.258	ng/u1	100
72) Phenanthrene	16.987	178	135346	3.478	ng/u1	99
80) Fluoranthene	19.086	202	206404	4.516	ng/u1	98
82) Pyrene	19.469	202	179729	3.706	ng/u1	99
85) Benzo(a)anthracene	21.363	228	169859	3.318	ng/u1#	94
87) Chrysene	21.427	228	220466	4.494	ng/u1#	95
90) Benzo(b)fluoranthene	23.545	252	366915	6.738	ng/u1#	95
91) Benzo(k)fluoranthene	23.616	252	148126m	2.734	ng/u1	
93) Benzo(a)pyrene	24.392	252	163960m	3.321	ng/u1	
94) Indeno(1,2,3-cd)pyrene	28.145	276	180283m	2.841	ng/u1	
95) Dibenzo(a,h)anthracene	28.198	278	59972	1.181	ng/u1#	81

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

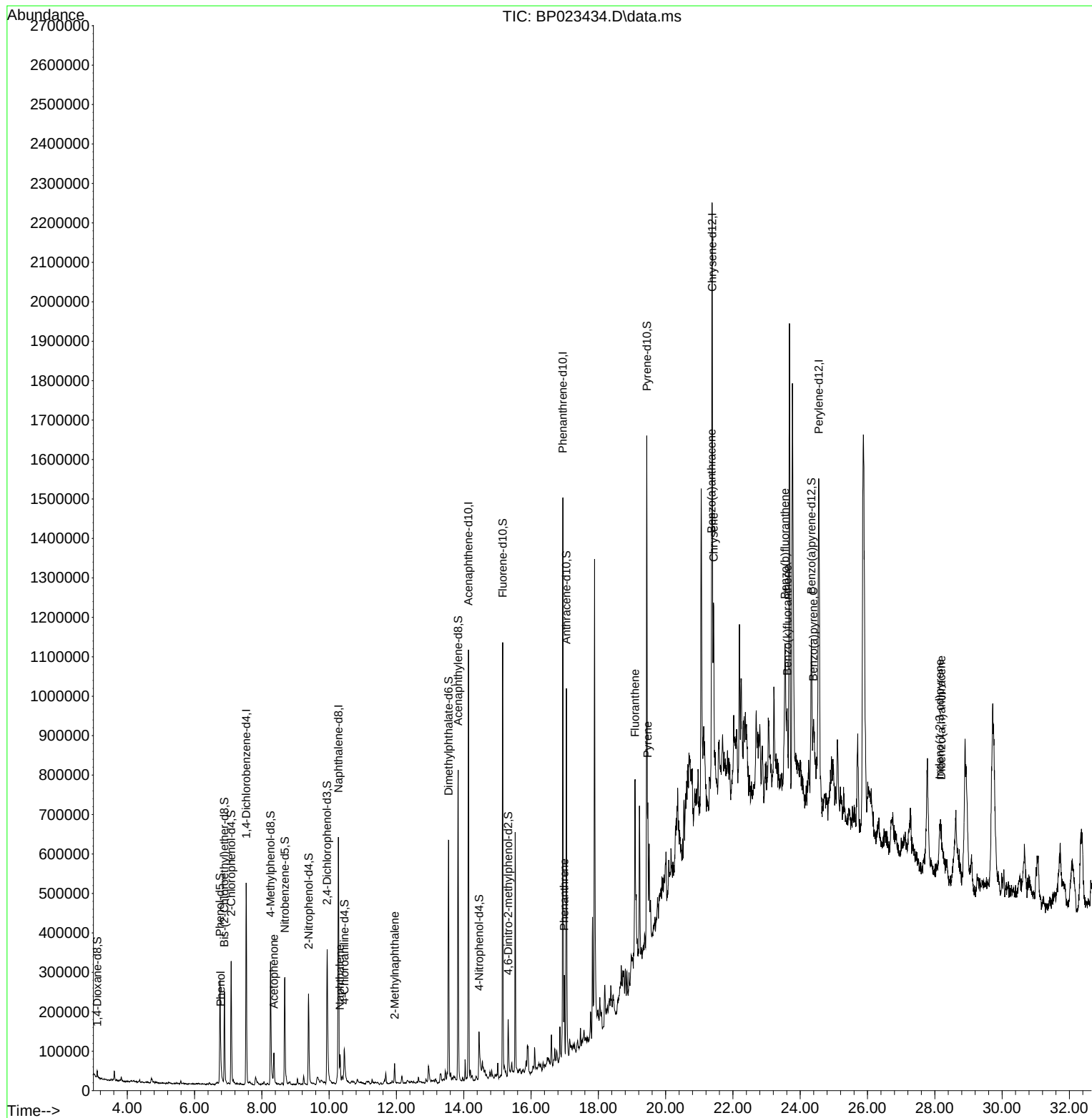
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121624\
Data File : BP023434.D
Acq On : 16 Dec 2024 14:27
Operator : RC/JU
Sample : P5153-21
Misc :
ALS Vial : 8 Sample Multiplier: 1

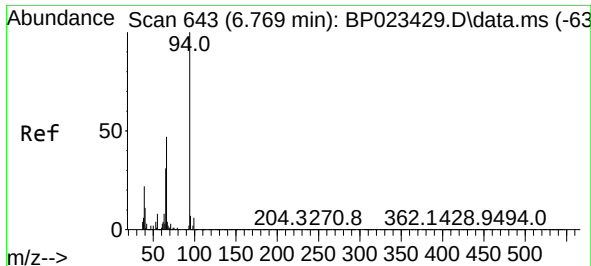
Instrument :
BNA_P
ClientSampleId :
E28R4

Quant Time: Dec 16 23:19:14 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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#8

Phenol

Concen: 1.816 ng/ul

RT: 6.781 min Scan# 643

Delta R.T. 0.006 min

Lab File: BP023434.D

Acq: 16 Dec 2024 14:27

Instrument :

BNA_P

ClientSampleId :

E28R4

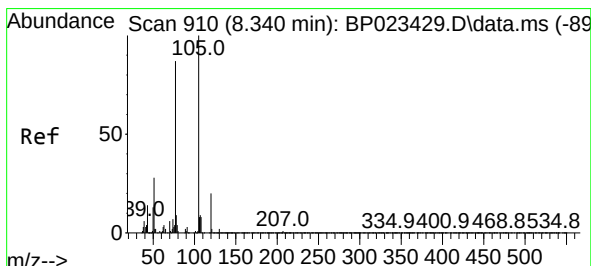
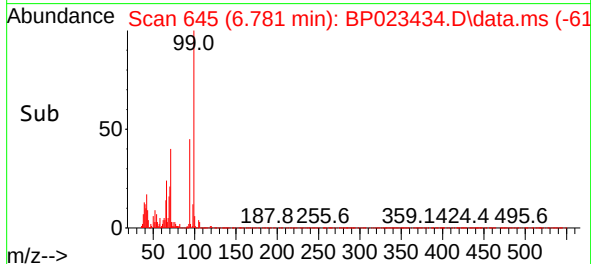
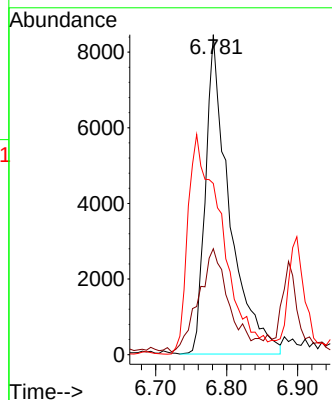
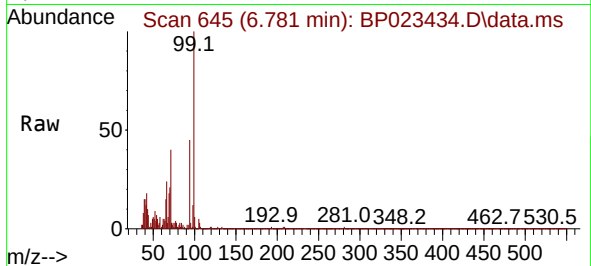
Tgt Ion: 94	Resp: 1977
Ion Ratio	Lower Upper
94 100	
65 33.1	28.0 42.0
66 53.5	42.0 63.0

Manual Integrations

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#16

Acetophenone

Concen: 2.837 ng/ul

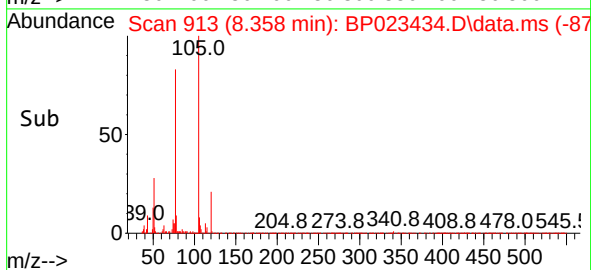
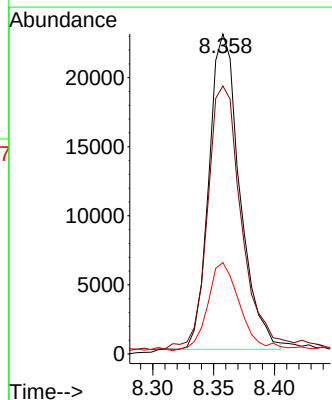
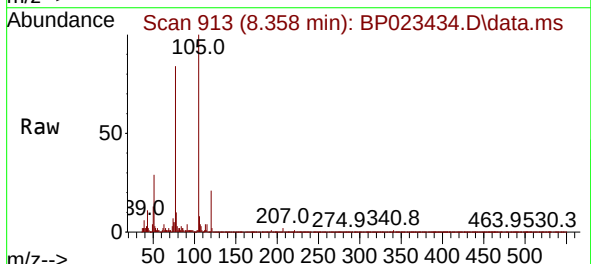
RT: 8.358 min Scan# 913

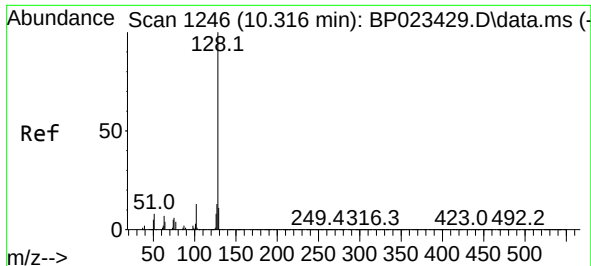
Delta R.T. -0.000 min

Lab File: BP023434.D

Acq: 16 Dec 2024 14:27

Tgt Ion:105	Resp: 40305
Ion Ratio	Lower Upper
105 100	
77 83.8	71.2 106.8
51 28.5	22.9 34.3





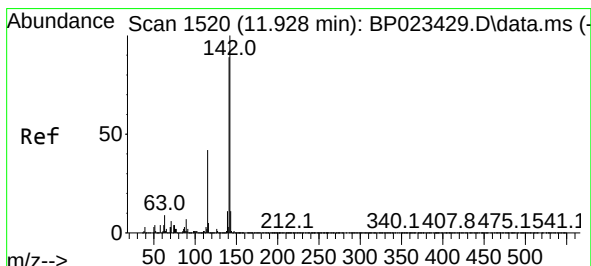
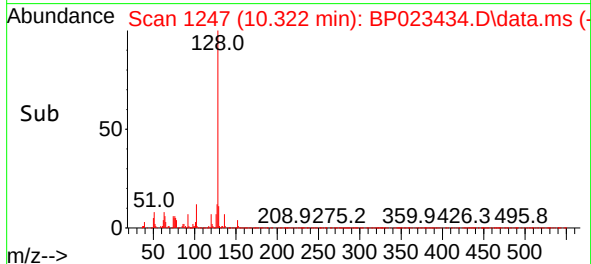
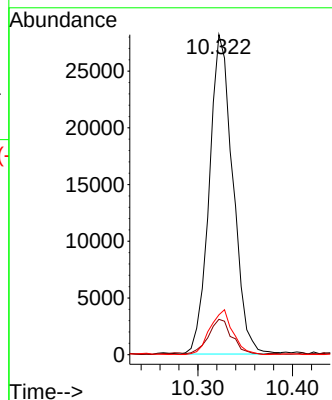
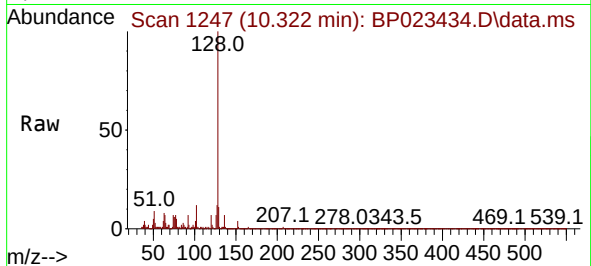
#30
Naphthalene
Concen: 1.880 ng/ul
RT: 10.322 min Scan# 11
Delta R.T. -0.006 min
Lab File: BP023434.D
Acq: 16 Dec 2024 14:27

Instrument :
BNA_P
ClientSampleId :
E28R4

Tgt Ion:128 Resp: 4890
Ion Ratio Lower Upper
128 100
129 11.0 8.5 12.7
127 12.4 10.5 15.7

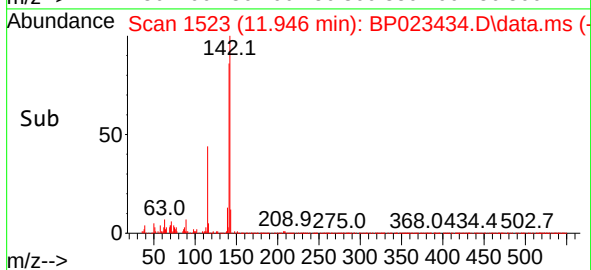
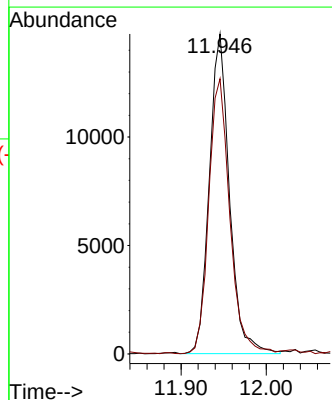
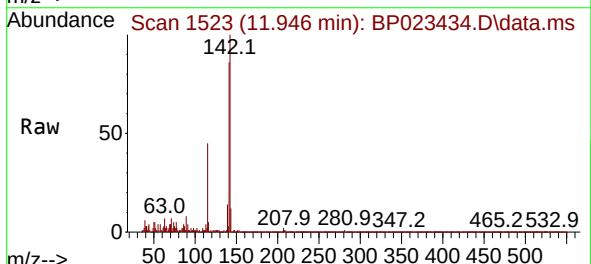
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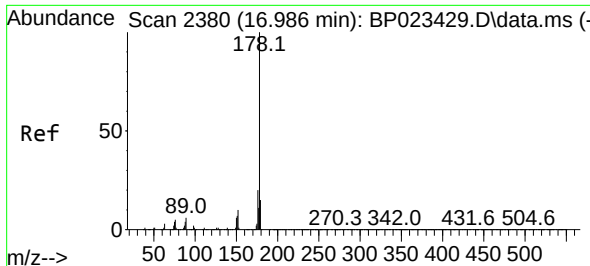
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/19/2024



#36
2-Methylnaphthalene
Concen: 1.258 ng/ul
RT: 11.946 min Scan# 1523
Delta R.T. -0.000 min
Lab File: BP023434.D
Acq: 16 Dec 2024 14:27

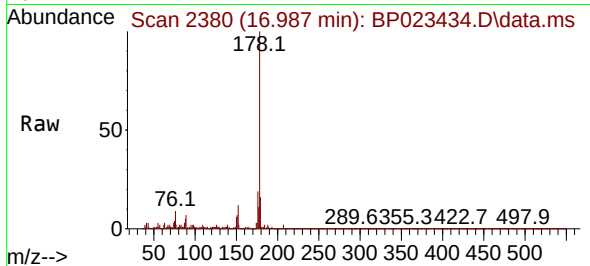
Tgt Ion:142 Resp: 24273
Ion Ratio Lower Upper
142 100
141 86.0 69.0 103.6





#72
Phenanthrene
Concen: 3.478 ng/ul
RT: 16.987 min Scan# 21
Delta R.T. -0.012 min
Lab File: BP023434.D
Acq: 16 Dec 2024 14:27

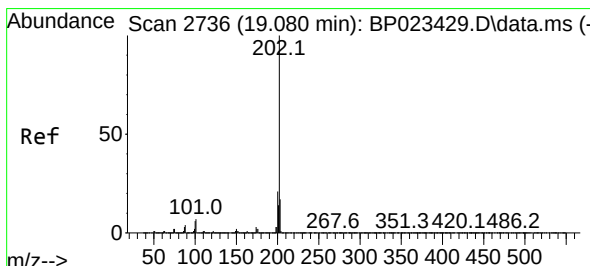
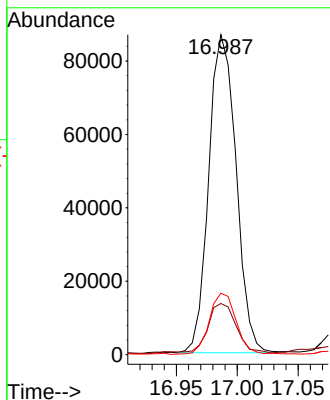
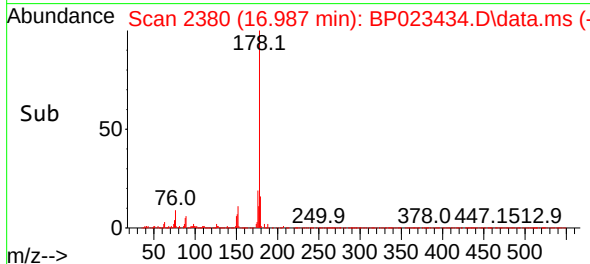
Instrument :
BNA_P
ClientSampleId :
E28R4



Tgt Ion:178 Resp: 135340
Ion Ratio Lower Upper
178 100
179 16.0 12.1 18.1
176 19.2 15.4 23.0

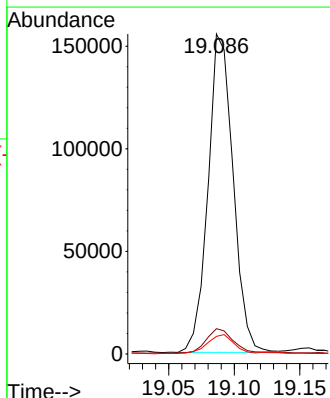
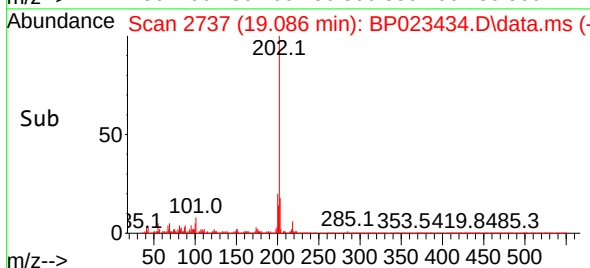
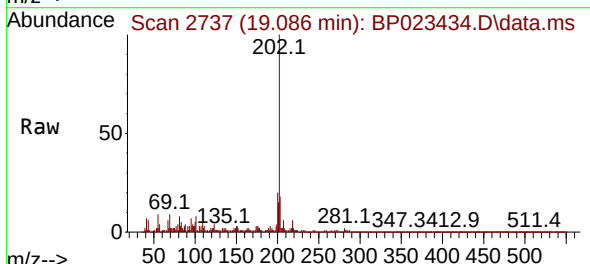
Manual Integrations
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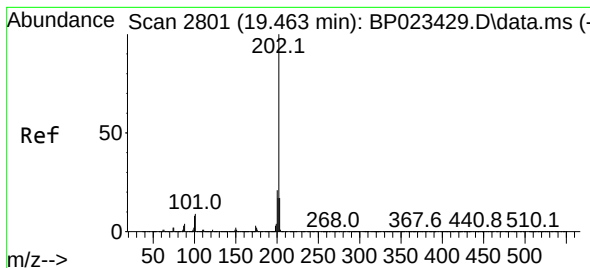
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/19/2024



#80
Fluoranthene
Concen: 4.516 ng/ul
RT: 19.086 min Scan# 2737
Delta R.T. -0.012 min
Lab File: BP023434.D
Acq: 16 Dec 2024 14:27

Tgt Ion:202 Resp: 206404
Ion Ratio Lower Upper
202 100
101 7.9 5.6 8.4
100 5.5 4.6 7.0





#82

Pyrene

Concen: 3.706 ng/ul

RT: 19.469 min Scan# 21

Delta R.T. -0.006 min

Lab File: BP023434.D

Acq: 16 Dec 2024 14:27

Instrument :

BNA_P

ClientSampleId :

E28R4

Tgt Ion:202 Resp: 179729

Ion Ratio Lower Upper

202 100

101 9.0 6.7 10.1

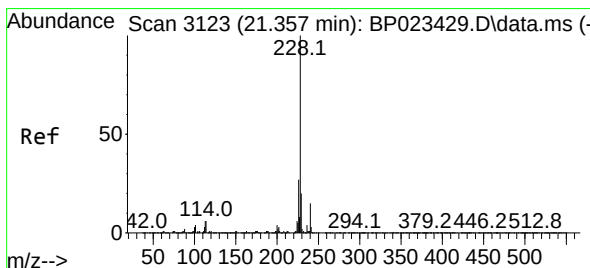
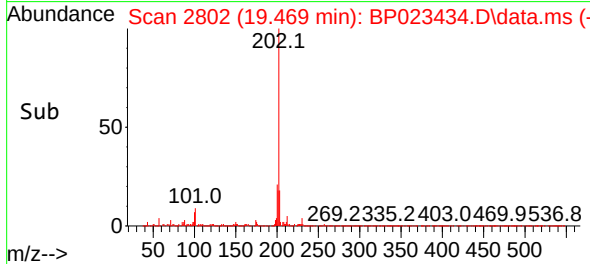
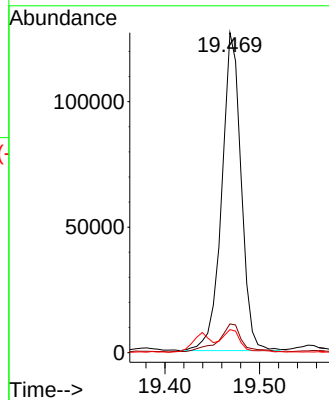
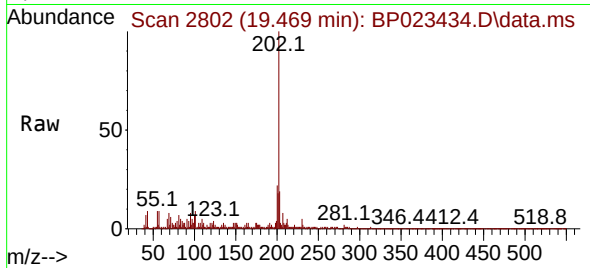
100 7.2 5.8 8.8

Manual Integrations

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Reviewed By :Yogesh Patel 12/18/2024

Supervised By :mohammad ahmed 12/19/2024



#85

Benzo(a)anthracene

Concen: 3.318 ng/ul

RT: 21.363 min Scan# 3124

Delta R.T. -0.006 min

Lab File: BP023434.D

Acq: 16 Dec 2024 14:27

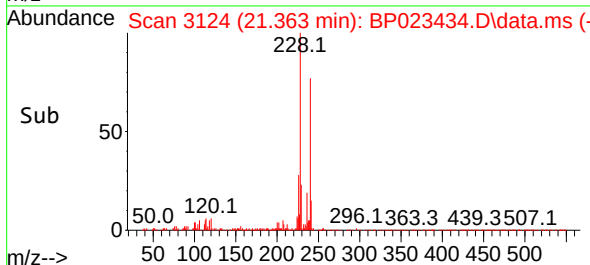
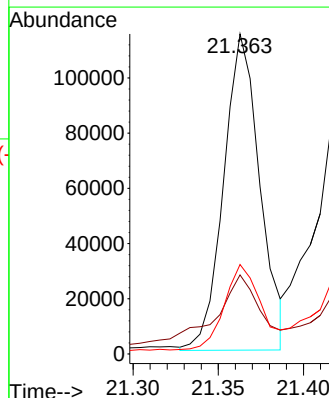
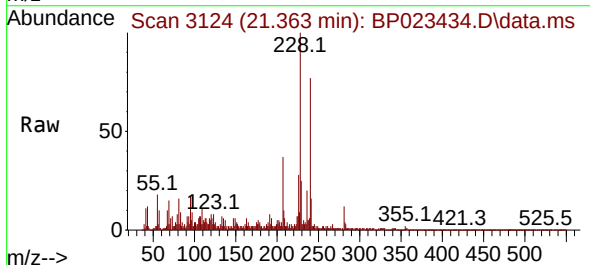
Tgt Ion:228 Resp: 169859

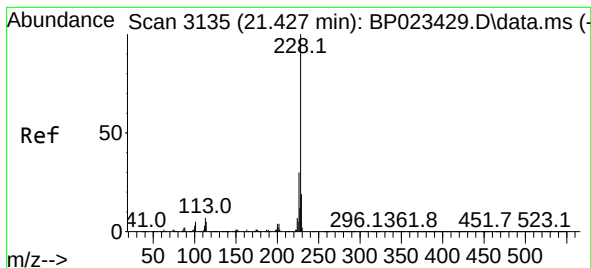
Ion Ratio Lower Upper

228 100

229 24.7 15.7 23.5#

226 27.9 21.6 32.4





#87

Chrysene

Concen: 4.494 ng/ul

RT: 21.427 min Scan# 3135

Delta R.T. -0.012 min

Lab File: BP023434.D

Acq: 16 Dec 2024 14:27

Instrument :

BNA_P

ClientSampleId :

E28R4

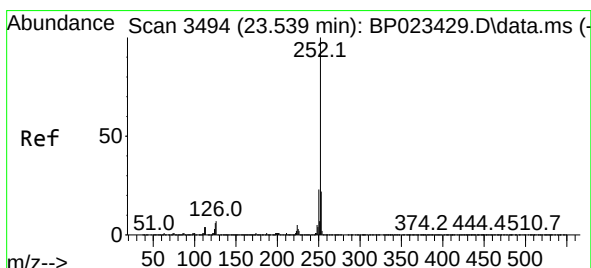
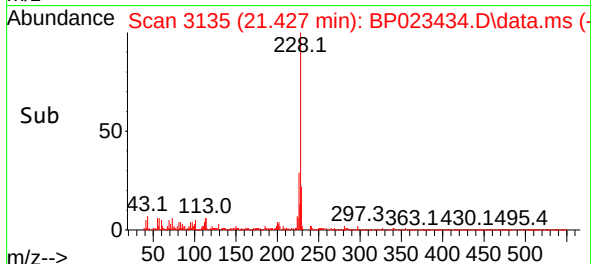
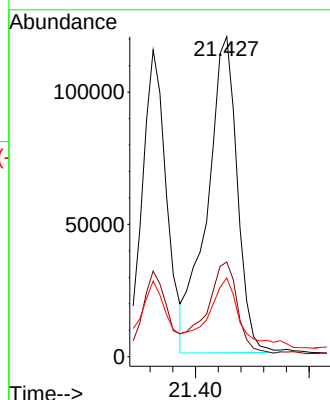
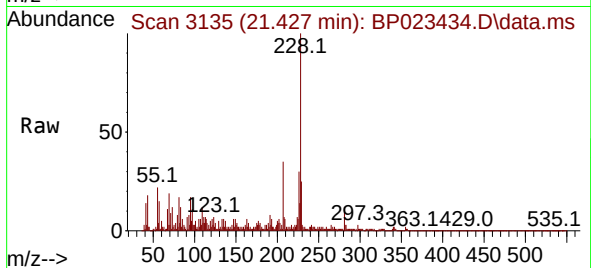
Tgt Ion:228	Resp: 220460
Ion Ratio	Lower Upper
228 100	
226 29.6	24.2 36.2
229 24.6	15.6 23.4

Manual Integrations

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Supervised By :mohammad ahmed 12/19/2024



#90

Benzo(b)fluoranthene

Concen: 6.738 ng/ul

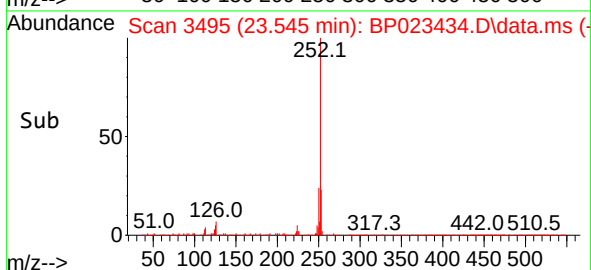
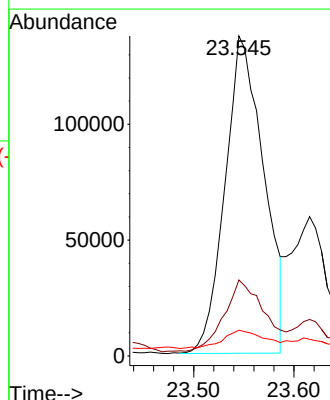
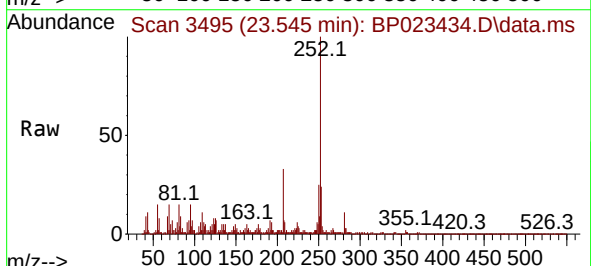
RT: 23.545 min Scan# 3495

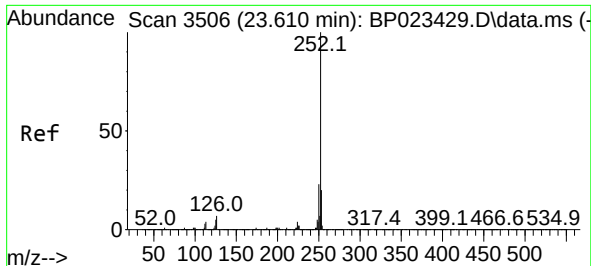
Delta R.T. -0.012 min

Lab File: BP023434.D

Acq: 16 Dec 2024 14:27

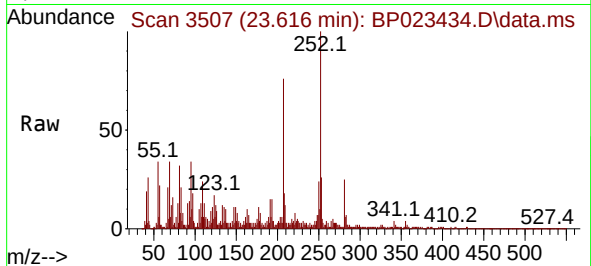
Tgt Ion:252	Resp: 366915
Ion Ratio	Lower Upper
252 100	
253 23.7	17.3 25.9
125 8.1	4.4 6.6





#91
Benzo(k)fluoranthene
Concen: 2.734 ng/ul m
RT: 23.616 min Scan# 3506
Delta R.T. -0.006 min
Lab File: BP023434.D
Acq: 16 Dec 2024 14:27

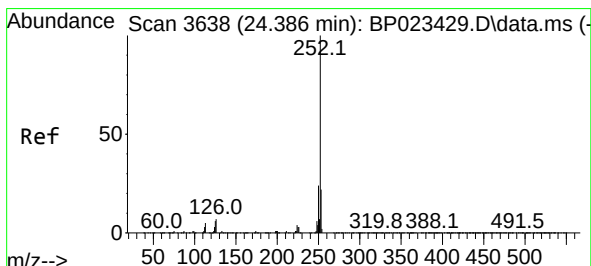
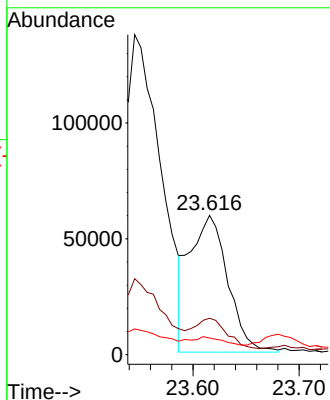
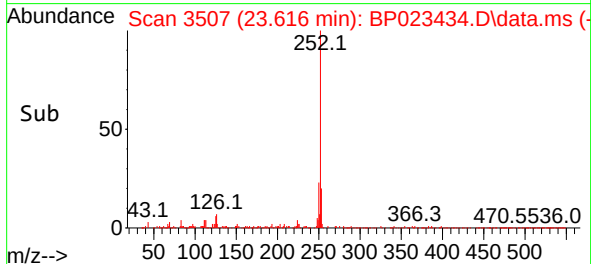
Instrument :
BNA_P
ClientSampleId :
E28R4



Tgt Ion:252 Resp: 148120
Ion Ratio Lower Upper
252 100
253 26.2 17.5 26.3
125 11.9 4.3 6.5

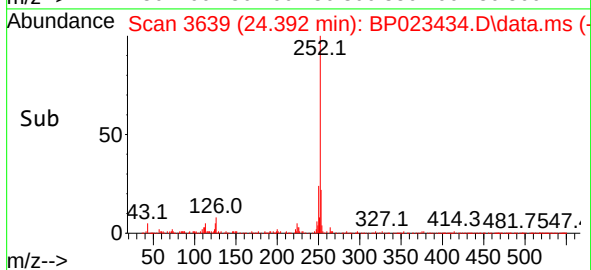
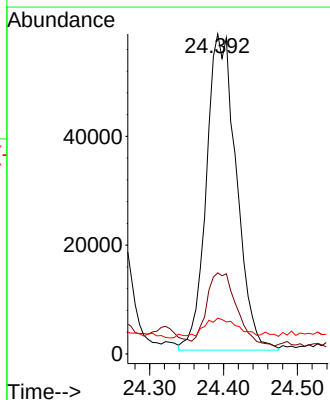
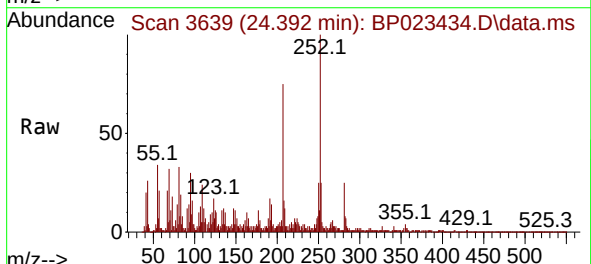
Manual Integrations
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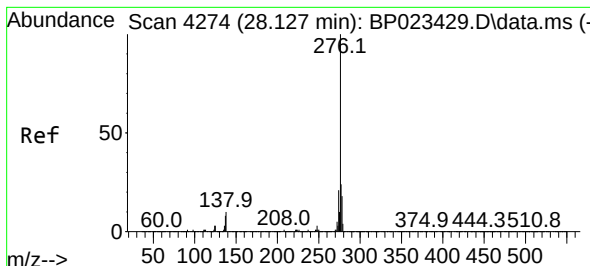
Reviewed By :Yogesh Patel 12/18/2024
Supervised By :mohammad ahmed 12/19/2024



#93
Benzo(a)pyrene
Concen: 3.321 ng/ul m
RT: 24.392 min Scan# 3639
Delta R.T. -0.018 min
Lab File: BP023434.D
Acq: 16 Dec 2024 14:27

Tgt Ion:252 Resp: 163960
Ion Ratio Lower Upper
252 100
253 25.4 17.4 26.0
125 11.2 5.0 7.4





#94

Indeno(1,2,3-cd)pyrene

Concen: 2.841 ng/ul m

RT: 28.145 min Scan# 4277

Delta R.T. -0.000 min

Lab File: BP023434.D

Acq: 16 Dec 2024 14:27

Instrument :

BNA_P

ClientSampleId :

E28R4

Tgt Ion:276 Resp: 18028

Ion Ratio Lower Upper

276 100

138 12.6 7.8 11.6

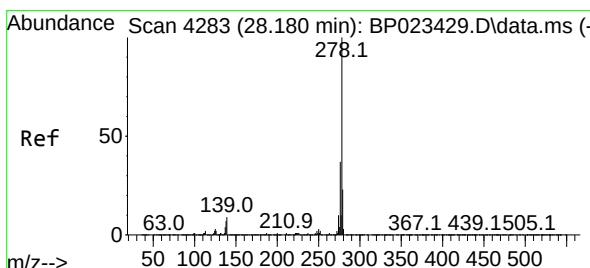
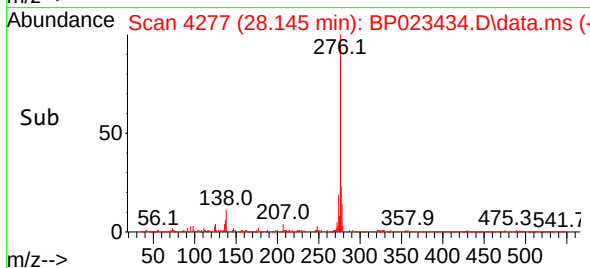
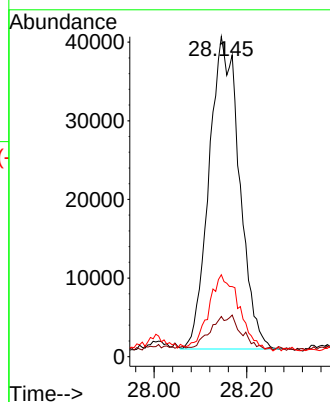
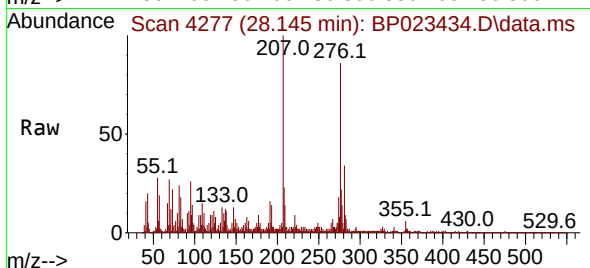
277 25.6 19.8 29.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/18/2024

Supervised By :mohammad ahmed 12/19/2024



#95

Dibenzo(a,h)anthracene

Concen: 1.181 ng/ul

RT: 28.198 min Scan# 4286

Delta R.T. -0.018 min

Lab File: BP023434.D

Acq: 16 Dec 2024 14:27

Tgt Ion:278 Resp: 59972

Ion Ratio Lower Upper

278 100

139 19.5 6.0 9.0#

279 30.8 19.2 28.8#

