

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022924\
 Data File : BP019947.D
 Acq On : 29 Feb 2024 20:47
 Operator : MA/JU
 Sample : P1621-01 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 EO-01-022824-A

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 03/01/2024
 Supervised By :mohammad ahmed 03/02/2024

Quant Time: Mar 01 03:44:43 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP022624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 29 12:18:35 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.893	152	72992	20.000	ng	-0.02
21) Naphthalene-d8	10.693	136	293513	20.000	ng	-0.02
39) Acenaphthene-d10	14.540	164	217325	20.000	ng	-0.02
64) Phenanthrene-d10	17.304	188	522000	20.000	ng	#-0.02
76) Chrysene-d12	21.404	240	469928	20.000	ng	-0.02
86) Perylene-d12	23.839	264	465467	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.464	112	168381	37.864	ng	-0.02
7) Phenol-d6	7.069	99	229475	34.659	ng	-0.02
23) Nitrobenzene-d5	9.063	82	156467	21.521	ng	-0.02
42) 2,4,6-Tribromophenol	16.039	330	152975	41.052	ng	-0.02
45) 2-Fluorobiphenyl	13.163	172	383078	23.816	ng	-0.02
79) Terphenyl-d14	19.869	244	770493	25.842	ng	-0.02
Target Compounds						Qvalue
37) 2-Methylnaphthalene	12.357	142	25096	2.057	ng	98
38) 1-Methylnaphthalene	12.581	142	24729	2.142	ng	98
49) Acenaphthylene	14.263	152	79492	4.062	ng	98
52) Acenaphthene	14.598	154	28188	2.399	ng	96
58) Fluorene	15.592	166	54496	3.351	ng	99
71) Phenanthrene	17.345	178	475889	17.080	ng	100
72) Anthracene	17.434	178	169685	5.966	ng	97
75) Fluoranthene	19.316	202	799042	22.097	ng	99
78) Pyrene	19.669	202	855395	26.494	ng	100
81) Benzo(a)anthracene	21.392	228	411344	12.331	ng	93
83) Chrysene	21.445	228	350797m	11.223	ng	
87) Indeno(1,2,3-cd)pyrene	26.386	276	214899	6.558	ng	96
88) Benzo(b)fluoranthene	23.098	252	425312m	14.904	ng	
89) Benzo(k)fluoranthene	23.139	252	153423m	5.482	ng	
90) Benzo(a)pyrene	23.727	252	345633	12.674	ng	# 94
91) Dibenzo(a,h)anthracene	26.398	278	61635	2.237	ng	# 72
92) Benzo(g,h,i)perylene	27.180	276	222643	8.372	ng	96

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

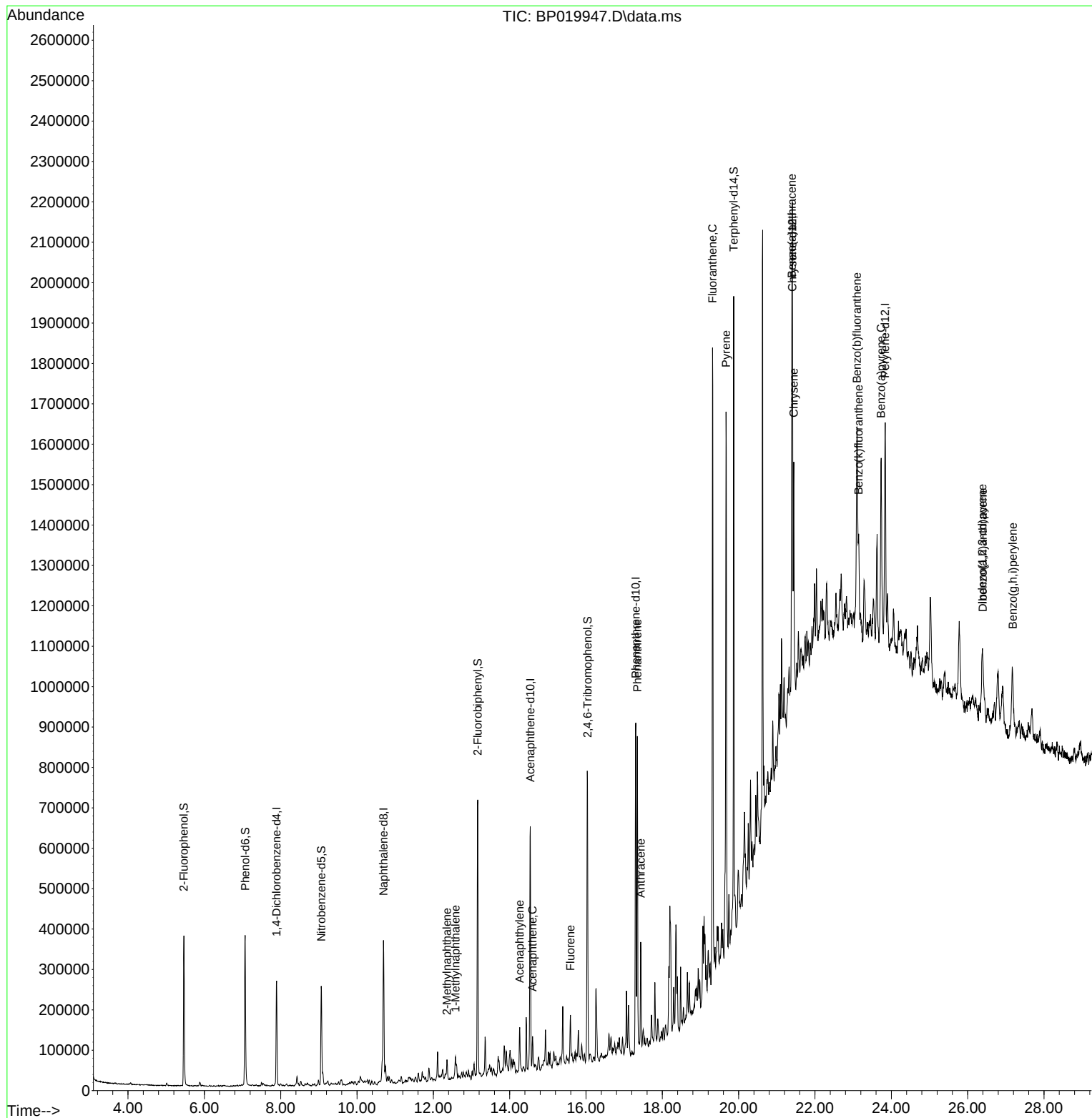
Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP022924\
Data File : BP019947.D
Acq On : 29 Feb 2024 20:47
Operator : MA/JU
Sample : P1621-01 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

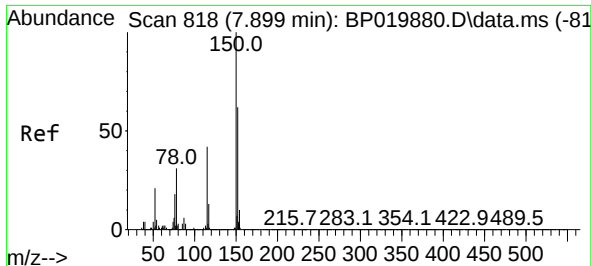
Instrument :
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Supervised By :mohammad ahmed 03/02/2024

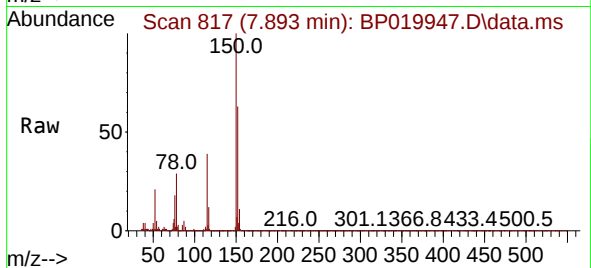
Quant Time: Mar 01 03:44:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP022624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 29 12:18:35 2024
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.893 min Scan# 81
Delta R.T. -0.017 min
Lab File: BP019947.D
Acq: 29 Feb 2024 20:47

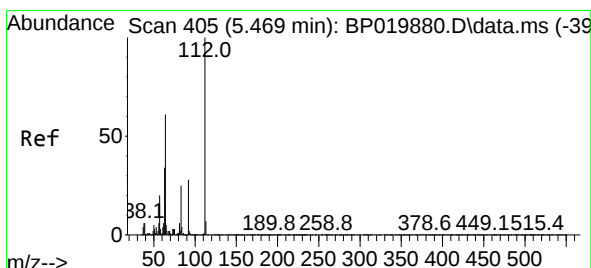
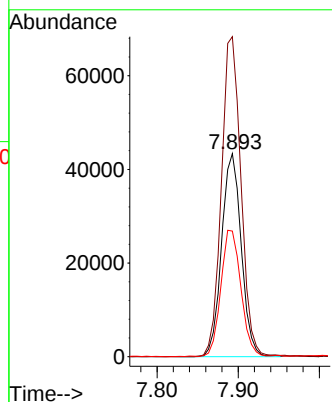
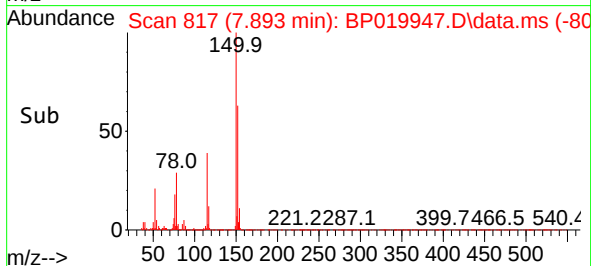
Instrument :
BNA_P
ClientSampleId :
EO-01-022824-A



Tgt Ion:152 Resp: 72992
Ion Ratio Lower Upper
152 100
150 157.6 128.6 192.8
115 61.8 53.4 80.2

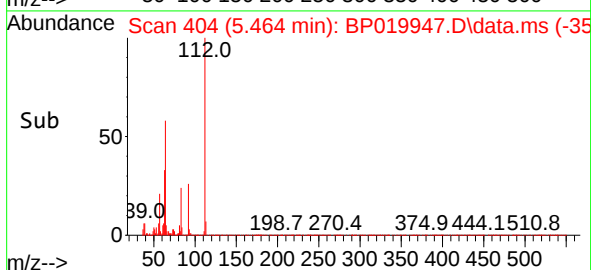
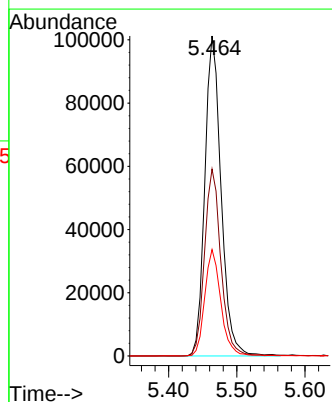
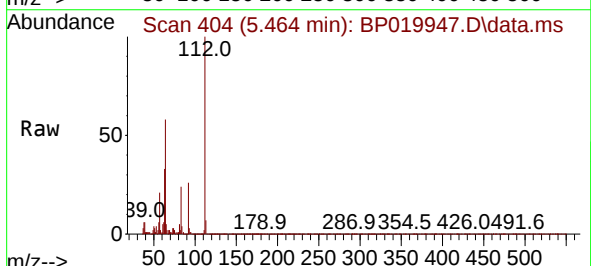
Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 03/01/2024
Supervised By :mohammad ahmed 03/02/2024



#5
2-Fluorophenol
Concen: 37.864 ng
RT: 5.464 min Scan# 404
Delta R.T. -0.018 min
Lab File: BP019947.D
Acq: 29 Feb 2024 20:47

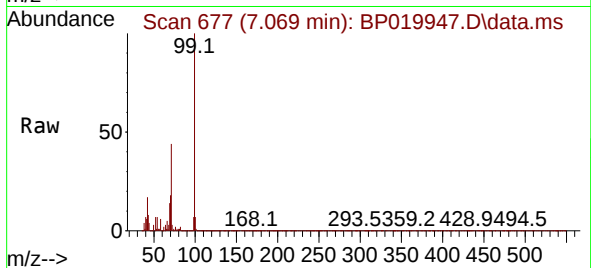
Tgt Ion:112 Resp: 168381
Ion Ratio Lower Upper
112 100
64 58.4 49.0 73.6
63 33.2 27.6 41.4





#7
Phenol-d6
Concen: 34.659 ng
RT: 7.069 min Scan# 61
Delta R.T. -0.018 min
Lab File: BP019947.D
Acq: 29 Feb 2024 20:47

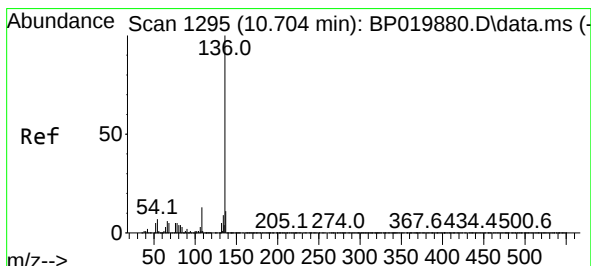
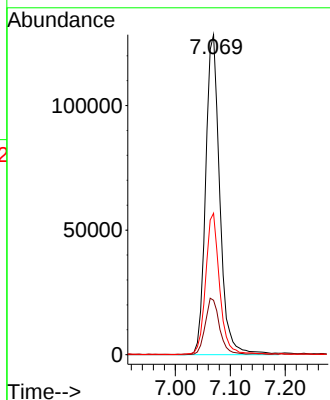
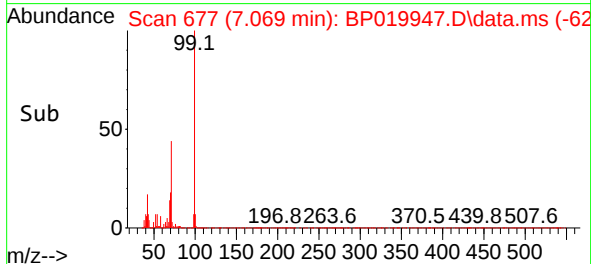
Instrument :
BNA_P
ClientSampleId :
EO-01-022824-A



Tgt Ion: 99 Resp: 22947
Ion Ratio Lower Upper
99 100
42 17.0 13.8 20.8
71 44.2 34.5 51.7

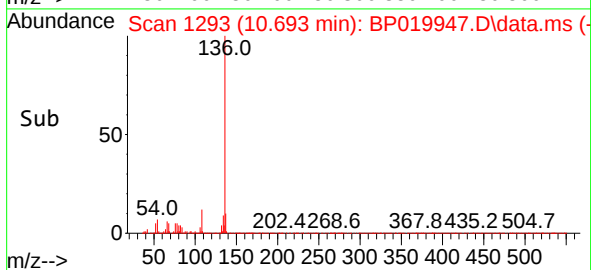
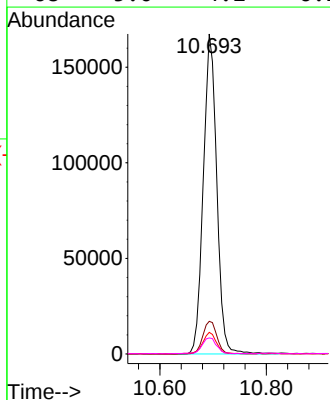
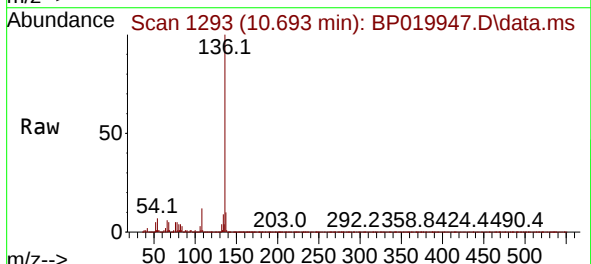
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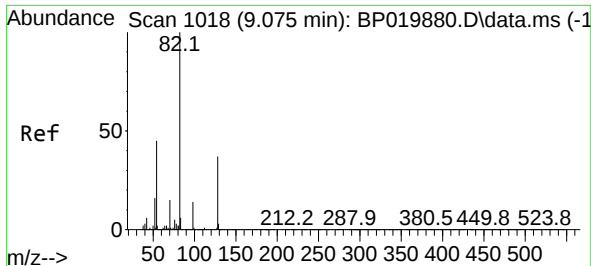
Reviewed By :Jagrut Upadhyay 03/01/2024
Supervised By :mohammad ahmed 03/02/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.693 min Scan# 1293
Delta R.T. -0.023 min
Lab File: BP019947.D
Acq: 29 Feb 2024 20:47

Tgt Ion:136 Resp: 293513
Ion Ratio Lower Upper
136 100
137 10.2 8.7 13.1
54 6.7 6.0 9.0
68 5.0 4.2 6.2





#23

Nitrobenzene-d5

Concen: 21.521 ng

RT: 9.063 min Scan# 1016

Delta R.T. -0.023 min

Lab File: BP019947.D

Acq: 29 Feb 2024 20:47

Instrument :

BNA_P

ClientSampleId :

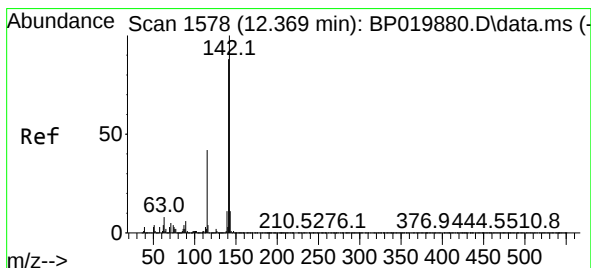
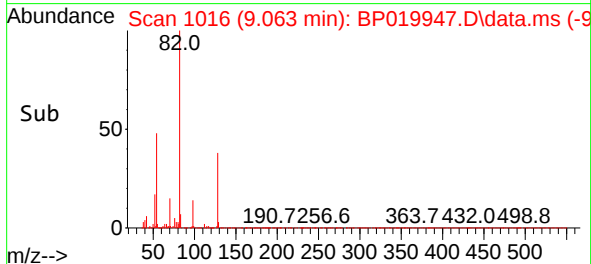
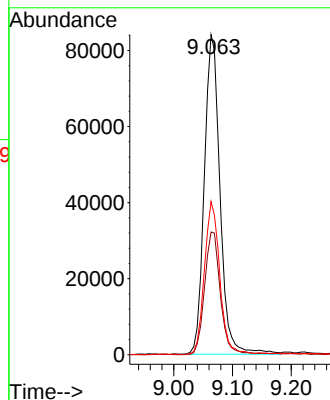
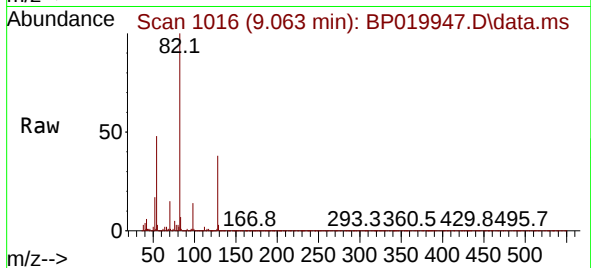
EO-01-022824-A

Tgt Ion: 82	Resp: 15646
Ion Ratio	Lower Upper
82 100	
128 38.3	29.6 44.4
54 47.9	36.3 54.5

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Supervised By :mohammad ahmed 03/02/2024



#37

2-Methylnaphthalene

Concen: 2.057 ng

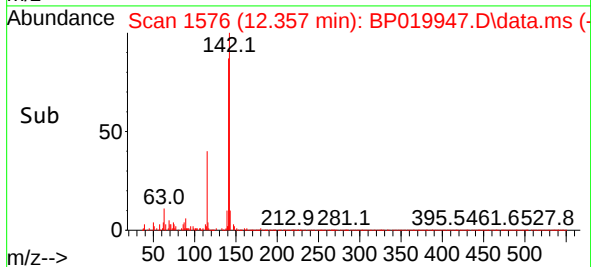
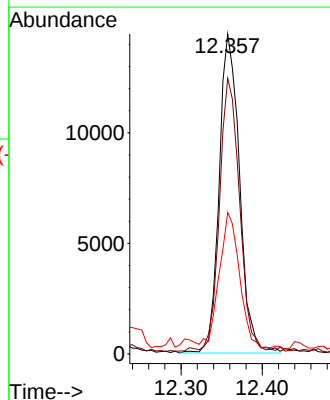
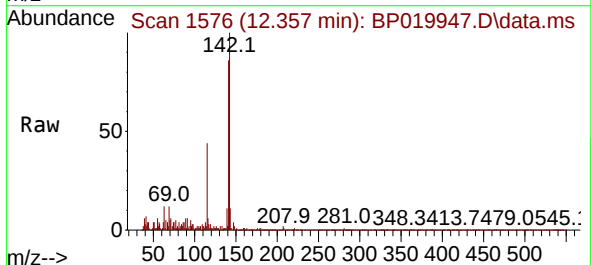
RT: 12.357 min Scan# 1576

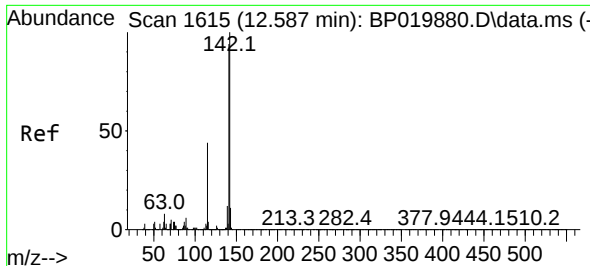
Delta R.T. -0.023 min

Lab File: BP019947.D

Acq: 29 Feb 2024 20:47

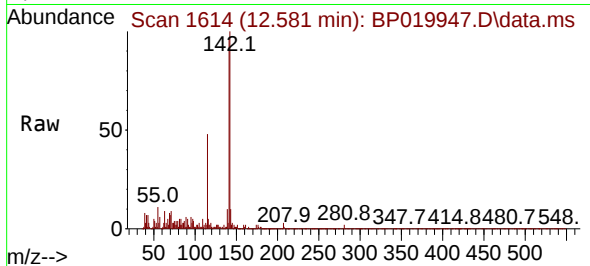
Tgt Ion:142	Resp: 25096
Ion Ratio	Lower Upper
142 100	
141 86.2	70.0 105.0
115 44.2	33.7 50.5





#38
1-Methylnaphthalene
Concen: 2.142 ng
RT: 12.581 min Scan# 1614
Delta R.T. -0.018 min
Lab File: BP019947.D
Acq: 29 Feb 2024 20:47

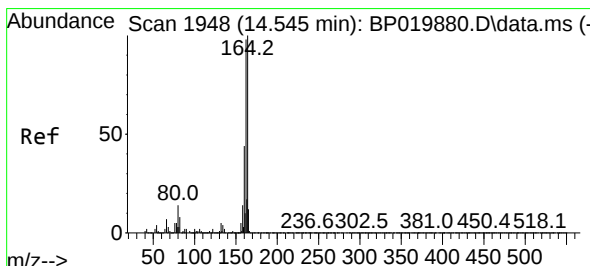
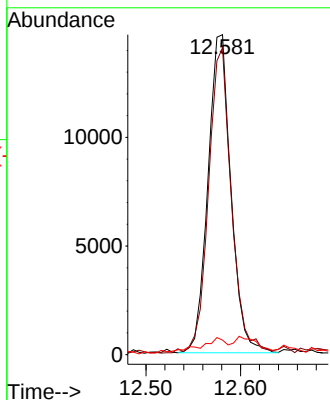
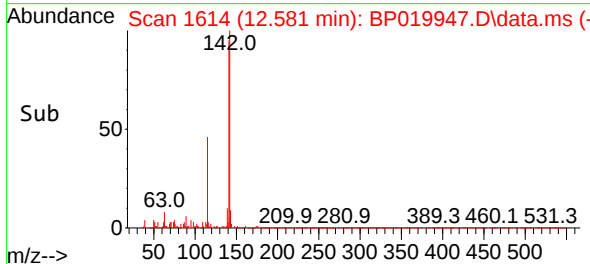
Instrument :
BNA_P
ClientSampleId :
EO-01-022824-A



Tgt Ion:142 Resp: 24729
Ion Ratio Lower Upper
142 100
141 95.9 75.5 113.3
116 4.5 3.5 5.3

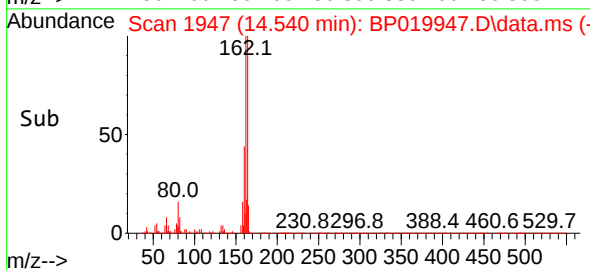
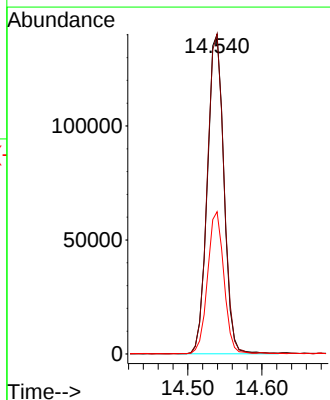
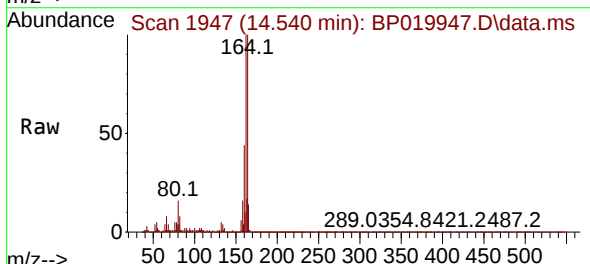
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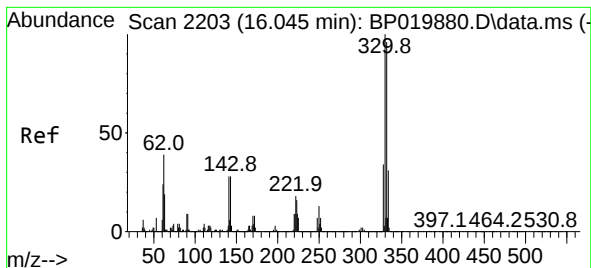
Reviewed By :Jagrut Upadhyay 03/01/2024
Supervised By :mohammad ahmed 03/02/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.540 min Scan# 1947
Delta R.T. -0.018 min
Lab File: BP019947.D
Acq: 29 Feb 2024 20:47

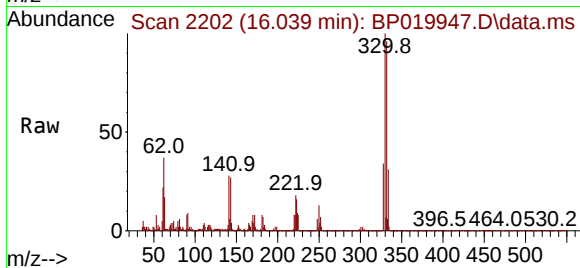
Tgt Ion:164 Resp: 217325
Ion Ratio Lower Upper
164 100
162 100.1 78.1 117.1
160 44.5 35.3 52.9





#42
2,4,6-Tribromophenol
Concen: 41.052 ng
RT: 16.039 min Scan# 21
Delta R.T. -0.023 min
Lab File: BP019947.D
Acq: 29 Feb 2024 20:47

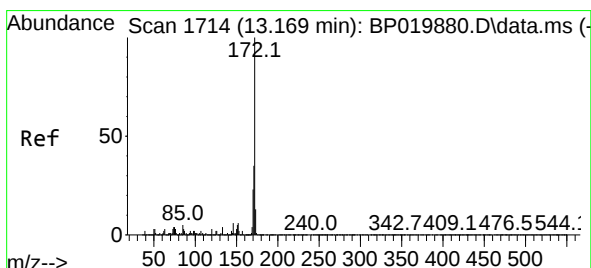
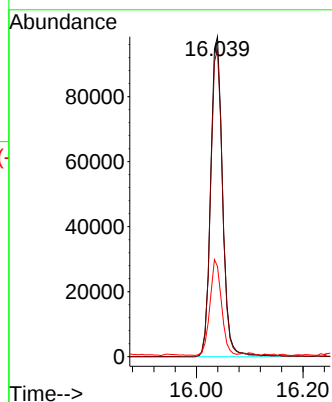
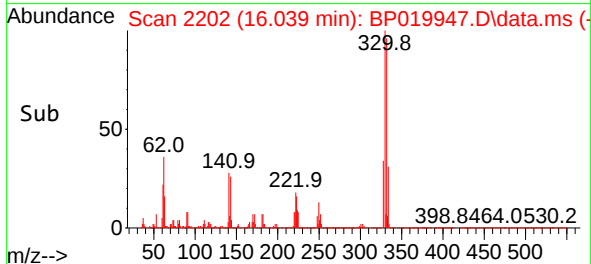
Instrument :
BNA_P
ClientSampleId :
EO-01-022824-A



Tgt Ion:330 Resp: 15297
Ion Ratio Lower Upper
330 100
332 96.7 77.4 116.2
141 29.0 24.6 37.0

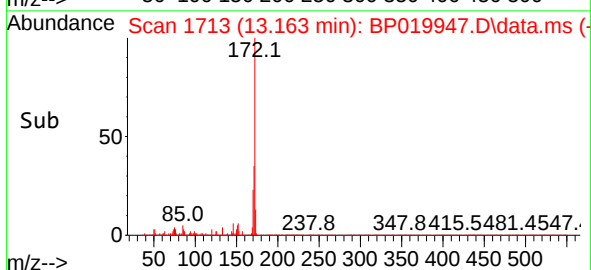
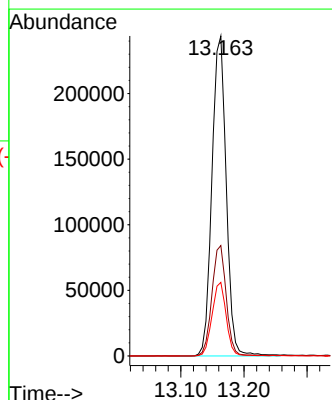
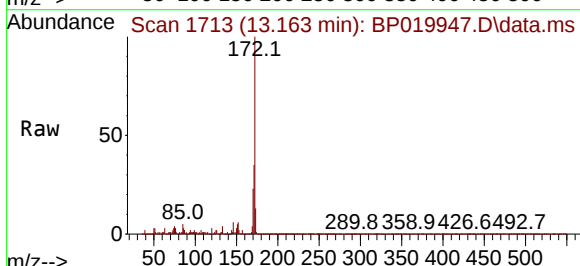
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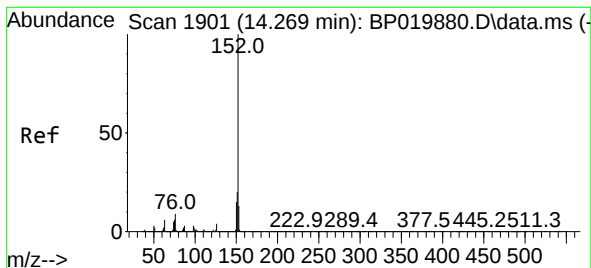
Reviewed By :Jagrut Upadhyay 03/01/2024
Supervised By :mohammad ahmed 03/02/2024



#45
2-Fluorobiphenyl
Concen: 23.816 ng
RT: 13.163 min Scan# 1713
Delta R.T. -0.018 min
Lab File: BP019947.D
Acq: 29 Feb 2024 20:47

Tgt Ion:172 Resp: 383078
Ion Ratio Lower Upper
172 100
171 34.5 27.8 41.6
170 23.0 18.4 27.6





#49

Acenaphthylene

Concen: 4.062 ng

RT: 14.263 min Scan# 1901

Delta R.T. -0.018 min

Lab File: BP019947.D

Acq: 29 Feb 2024 20:47

Instrument :

BNA_P

ClientSampleId :

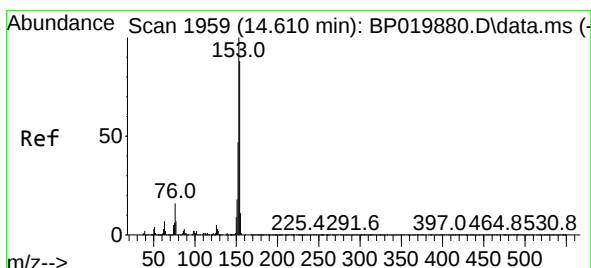
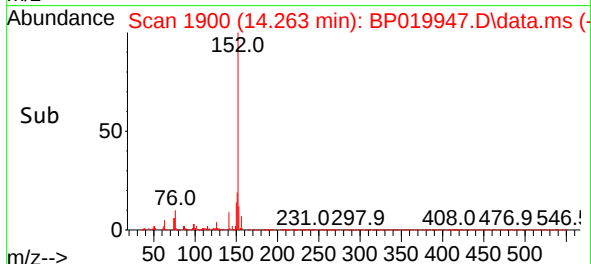
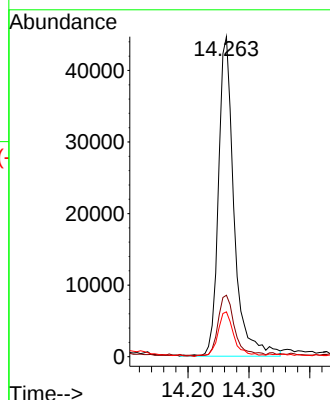
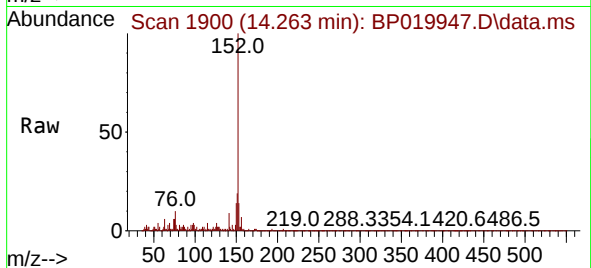
EO-01-022824-A

Tgt Ion:	152	Resp:	7949
Ion Ratio	Lower	Upper	
152	100		
151	19.2	15.9	23.9
153	14.0	10.4	15.6

Manual Integrations

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Reviewed By :Jagrut Upadhyay 03/01/2024
Supervised By :mohammad ahmed 03/02/2024



#52

Acenaphthene

Concen: 2.399 ng

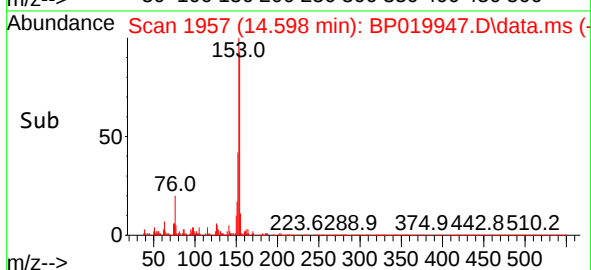
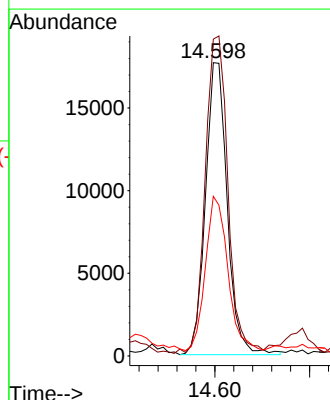
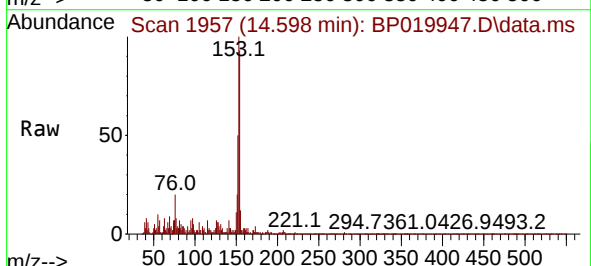
RT: 14.598 min Scan# 1957

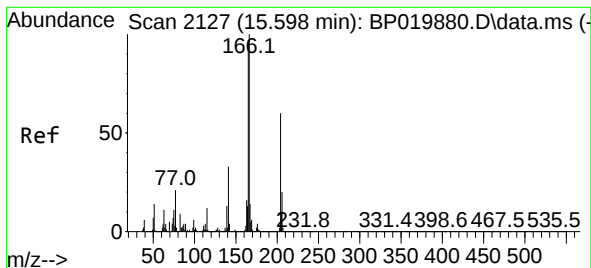
Delta R.T. -0.023 min

Lab File: BP019947.D

Acq: 29 Feb 2024 20:47

Tgt Ion:	154	Resp:	28188
Ion Ratio	Lower	Upper	
154	100		
153	108.0	90.9	136.3
152	54.4	42.3	63.5





#58

Fluorene

Concen: 3.351 ng

RT: 15.592 min Scan# 2127

Delta R.T. -0.023 min

Lab File: BP019947.D

Acq: 29 Feb 2024 20:47

Instrument :

BNA_P

ClientSampleId :

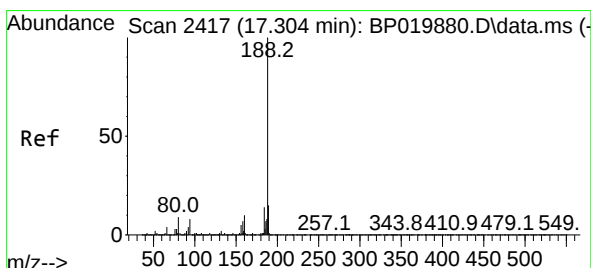
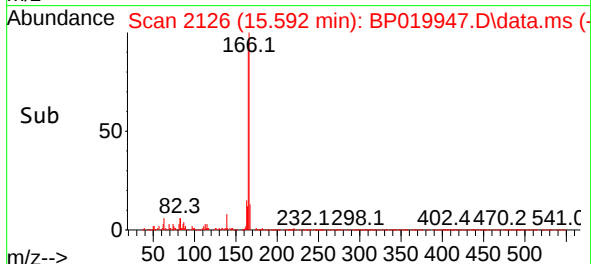
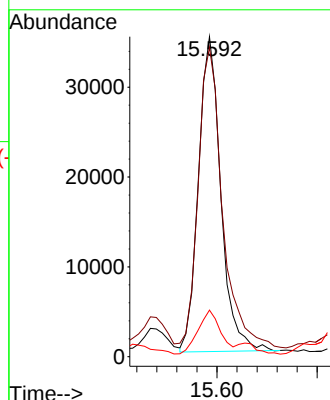
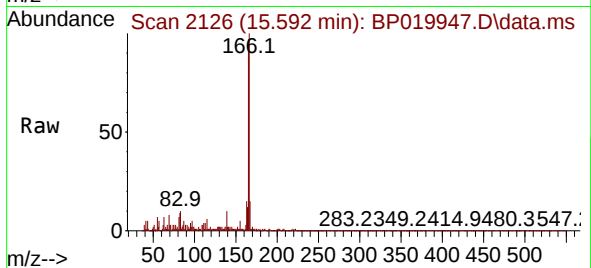
EO-01-022824-A

Tgt Ion:166	Resp: 54490
Ion Ratio	Lower Upper
166	100
165	96.7 77.8 116.6
167	14.6 10.8 16.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 03/01/2024
Supervised By :mohammad ahmed 03/02/2024



#64

Phenanthrene-d10

Concen: 20.000 ng

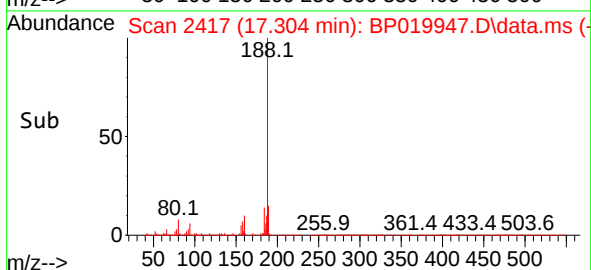
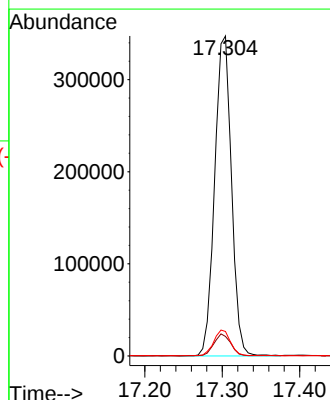
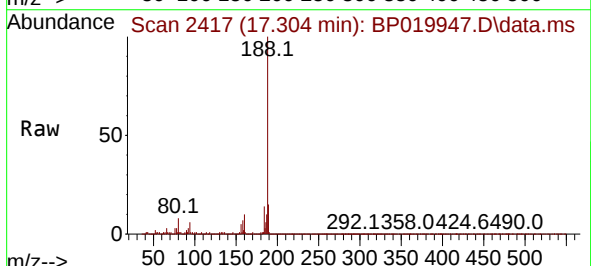
RT: 17.304 min Scan# 2417

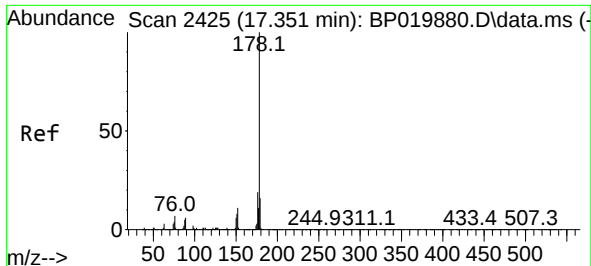
Delta R.T. -0.018 min

Lab File: BP019947.D

Acq: 29 Feb 2024 20:47

Tgt Ion:188	Resp: 522000
Ion Ratio	Lower Upper
188	100
94	6.1 6.2 9.4
80	7.7 7.0 10.4





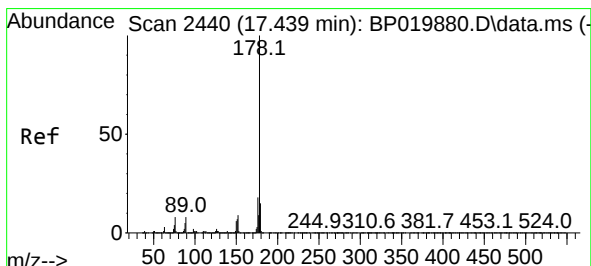
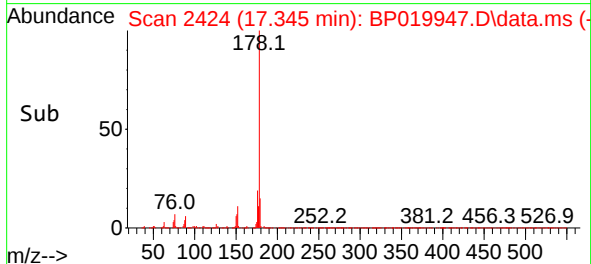
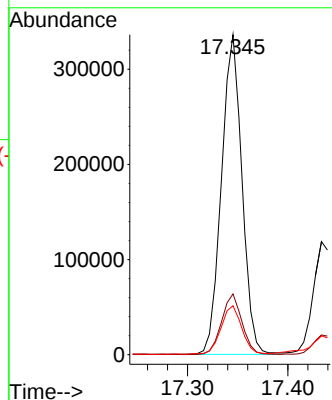
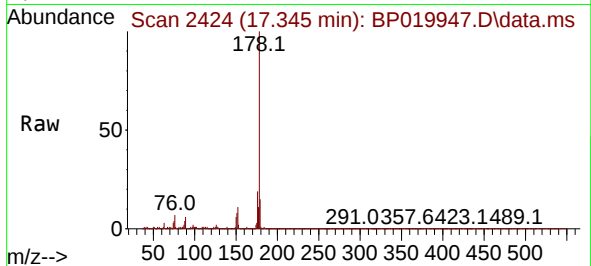
#71
Phenanthrene
Concen: 17.080 ng
RT: 17.345 min Scan# 2425
Delta R.T. -0.023 min
Lab File: BP019947.D
Acq: 29 Feb 2024 20:47

Instrument :
BNA_P
ClientSampleId :
EO-01-022824-A

Tgt Ion:178 Resp: 475885
Ion Ratio Lower Upper
178 100
176 19.0 15.2 22.8
179 15.3 12.5 18.7

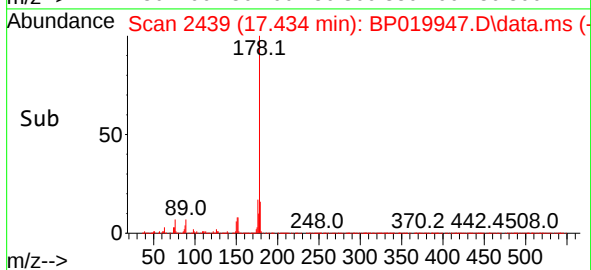
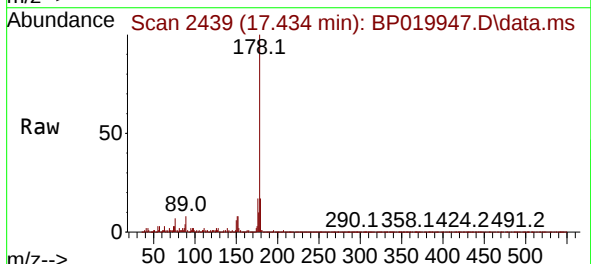
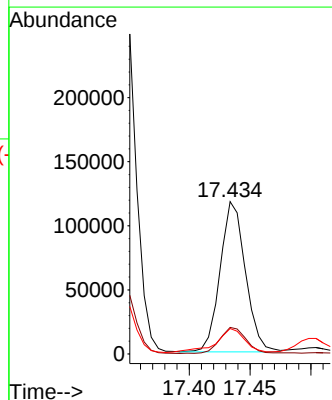
Manual Integrations
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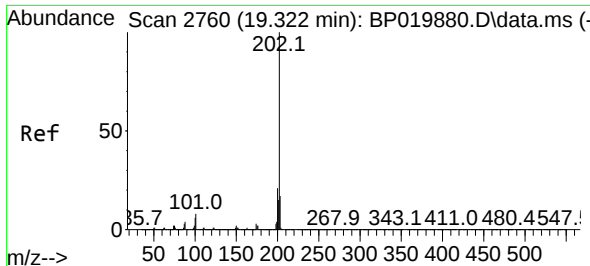
Reviewed By :Jagrut Upadhyay 03/01/2024
Supervised By :mohammad ahmed 03/02/2024



#72
Anthracene
Concen: 5.966 ng
RT: 17.434 min Scan# 2439
Delta R.T. -0.023 min
Lab File: BP019947.D
Acq: 29 Feb 2024 20:47

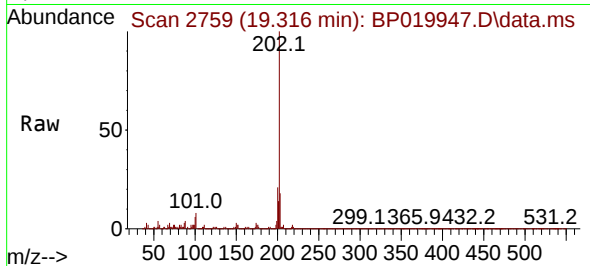
Tgt Ion:178 Resp: 169685
Ion Ratio Lower Upper
178 100
176 17.4 14.7 22.1
179 16.7 12.2 18.4





#75
Fluoranthene
Concen: 22.097 ng
RT: 19.316 min Scan# 21
Delta R.T. -0.023 min
Lab File: BP019947.D
Acq: 29 Feb 2024 20:47

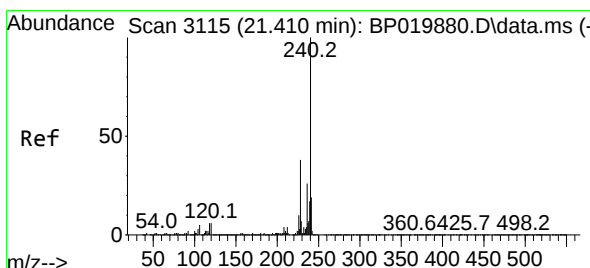
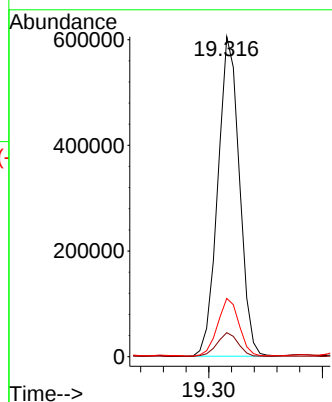
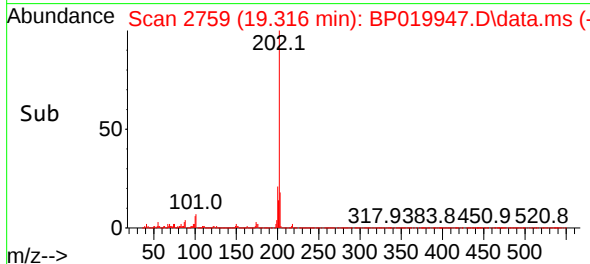
Instrument :
BNA_P
ClientSampleId :
EO-01-022824-A



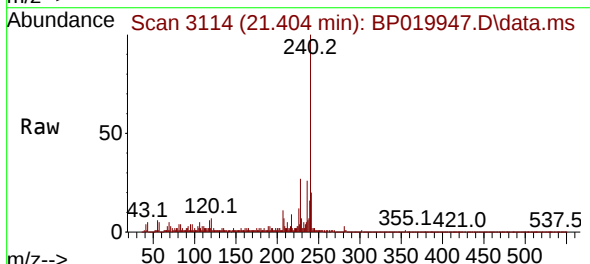
Tgt Ion:202 Resp: 79904
Ion Ratio Lower Upper
202 100
101 7.5 0.0 27.7
203 18.2 0.0 37.5

Manual Integrations
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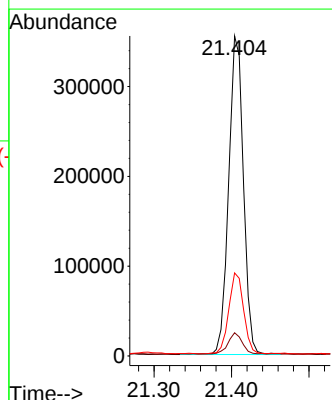
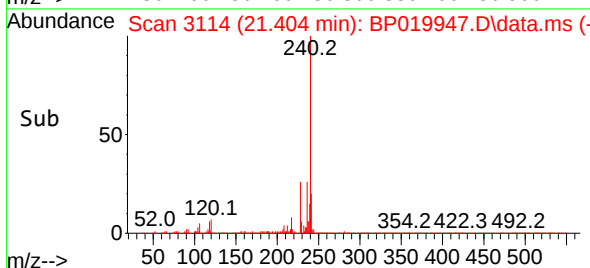
Reviewed By :Jagrut Upadhyay 03/01/2024
Supervised By :mohammad ahmed 03/02/2024

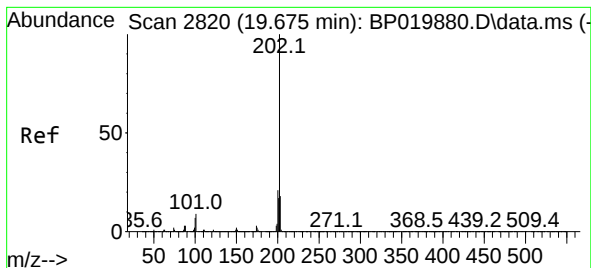


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.404 min Scan# 3114
Delta R.T. -0.023 min
Lab File: BP019947.D
Acq: 29 Feb 2024 20:47



Tgt Ion:240 Resp: 469928
Ion Ratio Lower Upper
240 100
120 7.2 5.1 7.7
236 26.0 20.5 30.7





#78

Pyrene

Concen: 26.494 ng

RT: 19.669 min Scan# 2819

Delta R.T. -0.023 min

Lab File: BP019947.D

Acq: 29 Feb 2024 20:47

Instrument :

BNA_P

ClientSampleId :

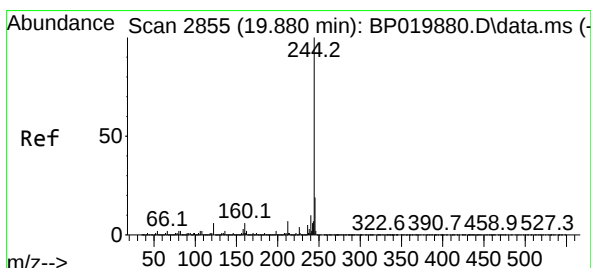
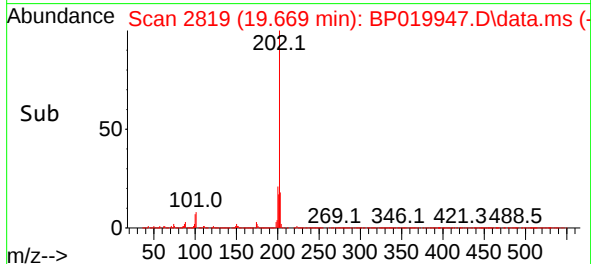
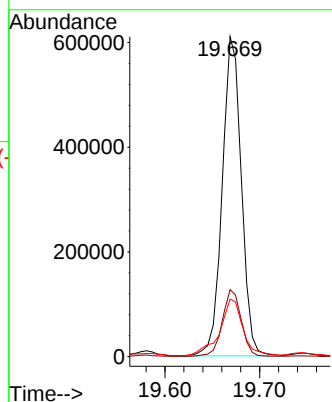
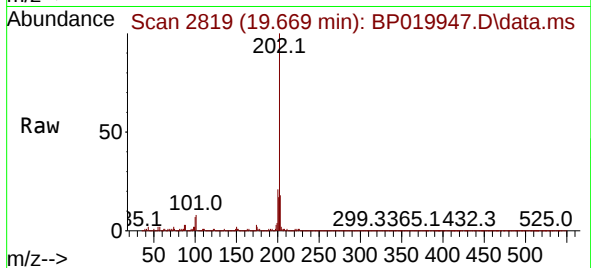
EO-01-022824-A

Tgt Ion:	202	Resp:	85539
Ion Ratio	Lower	Upper	
202	100		
200	20.9	16.7	25.1
203	18.0	14.2	21.2

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Reviewed By :Jagrut Upadhyay 03/01/2024
Supervised By :mohammad ahmed 03/02/2024



#79

Terphenyl-d14

Concen: 25.842 ng

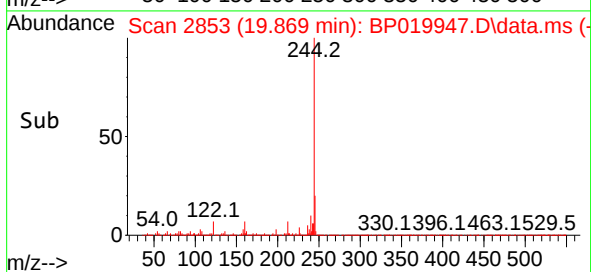
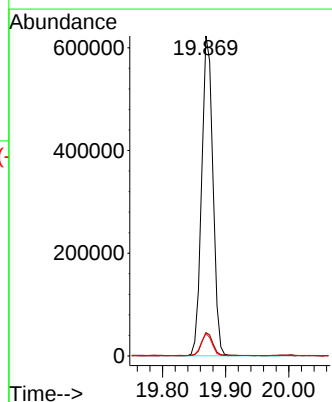
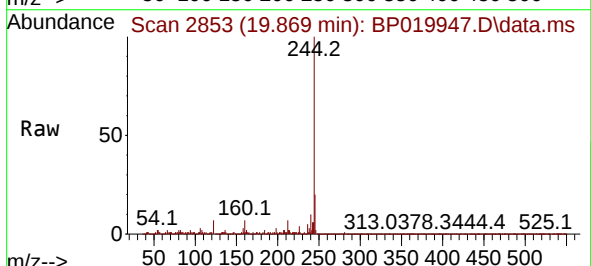
RT: 19.869 min Scan# 2853

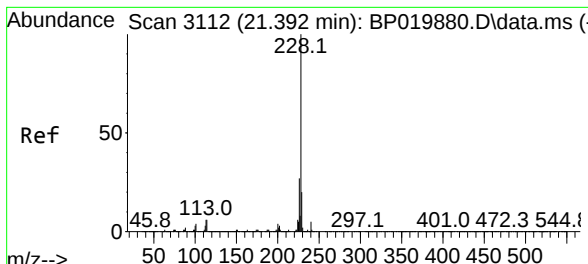
Delta R.T. -0.023 min

Lab File: BP019947.D

Acq: 29 Feb 2024 20:47

Tgt Ion:	244	Resp:	770493
Ion Ratio	Lower	Upper	
244	100		
212	7.3	5.8	8.8
122	7.1	5.0	7.6



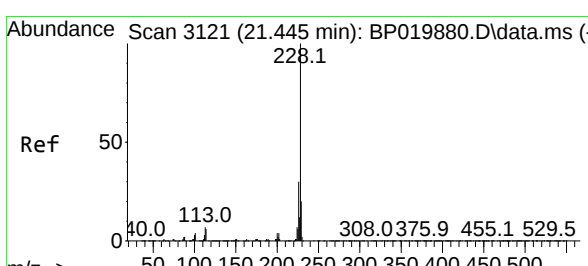
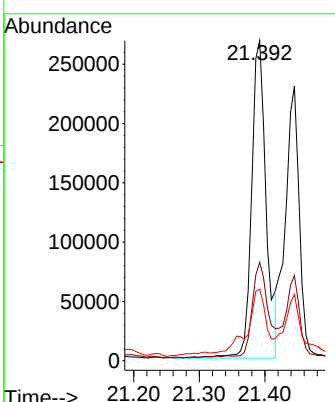
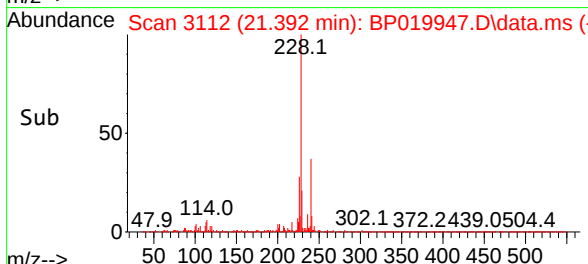
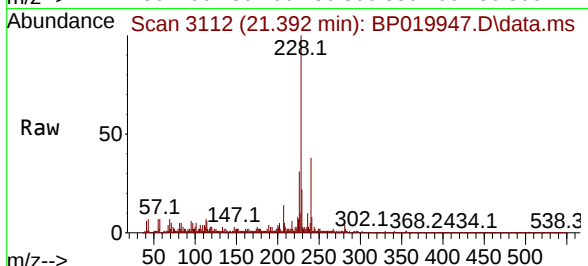


#81
 Benzo(a)anthracene
 Concen: 12.331 ng
 RT: 21.392 min Scan# 3112
 Delta R.T. -0.018 min
 Lab File: BP019947.D
 Acq: 29 Feb 2024 20:47

Instrument : BNA_P
 ClientSampleId : EO-01-022824-A

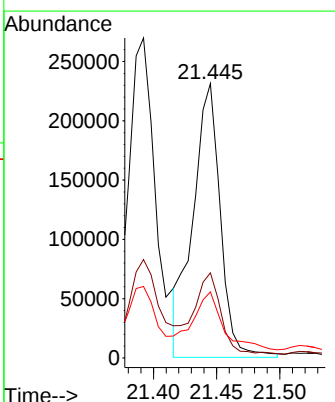
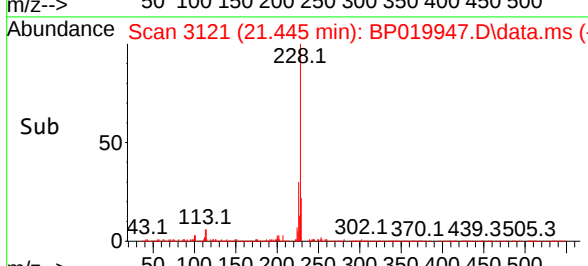
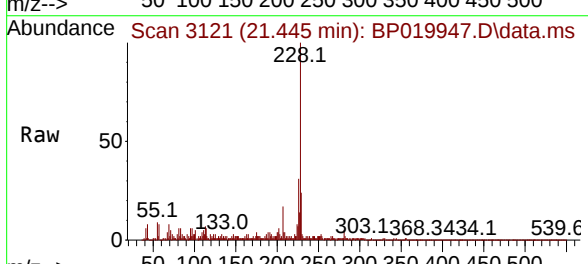
Tgt Ion:	228	Resp:	411344
Ion Ratio	Lower	Upper	
228	100		
226	30.8	21.5	32.3
229	22.3	15.6	23.4

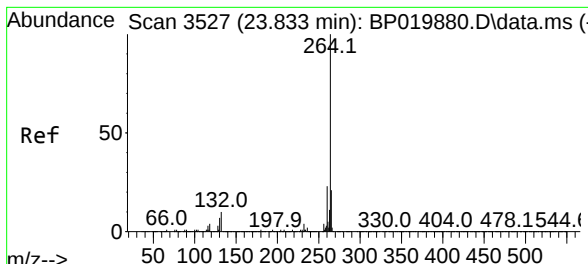
Manual Integrations
APPROVED
 Reviewed By :Jagrut Upadhyay 03/01/2024
 Supervised By :mohammad ahmed 03/02/2024



#83
 Chrysene
 Concen: 11.223 ng m
 RT: 21.445 min Scan# 3121
 Delta R.T. -0.023 min
 Lab File: BP019947.D
 Acq: 29 Feb 2024 20:47

Tgt Ion:	228	Resp:	350797
Ion Ratio	Lower	Upper	
228	100		
226	31.0	23.9	35.9
229	24.1	15.7	23.5





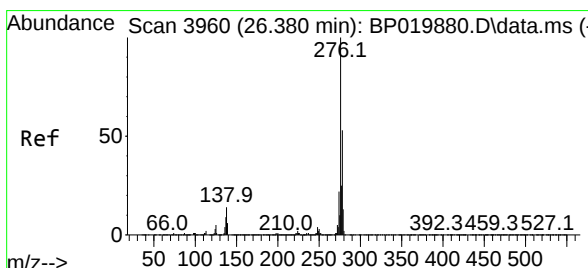
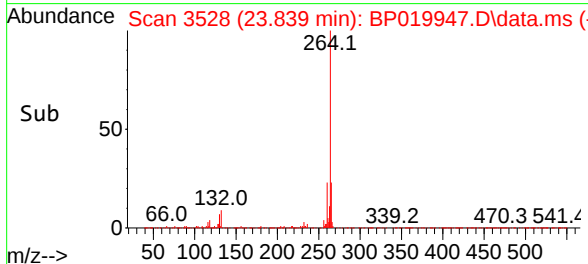
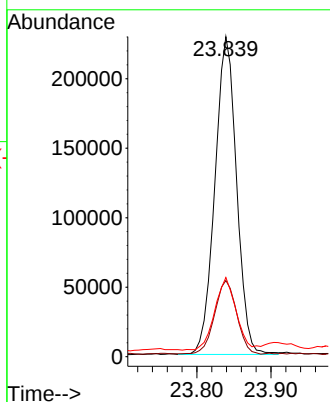
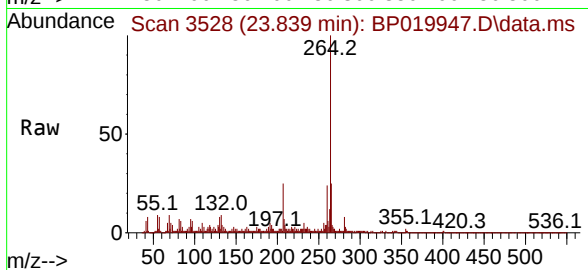
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.839 min Scan# 31
 Delta R.T. -0.029 min
 Lab File: BP019947.D
 Acq: 29 Feb 2024 20:47

Instrument :
 BNA_P
 ClientSampleId :
 EO-01-022824-A

Tgt Ion:	264	Resp:	46546
Ion Ratio	Lower	Upper	
264	100		
260	23.8	18.7	28.1
265	24.7	17.4	26.2

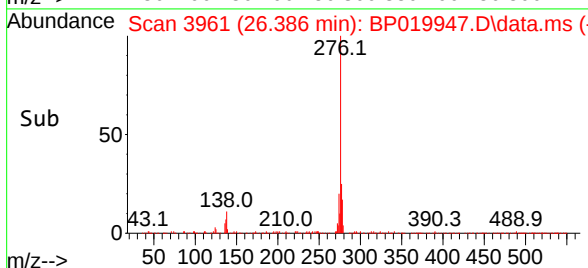
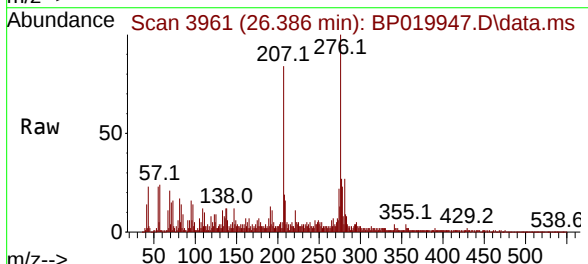
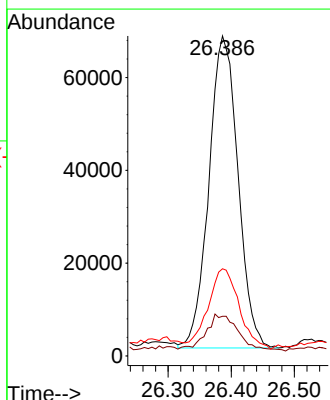
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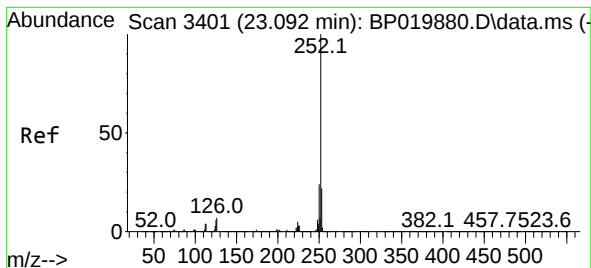
Reviewed By :Jagrut Upadhyay 03/01/2024
 Supervised By :mohammad ahmed 03/02/2024



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 6.558 ng
 RT: 26.386 min Scan# 3961
 Delta R.T. -0.059 min
 Lab File: BP019947.D
 Acq: 29 Feb 2024 20:47

Tgt Ion:	276	Resp:	214899
Ion Ratio	Lower	Upper	
276	100		
138	13.2	11.7	17.5
277	27.6	20.2	30.4





#88

Benzo(b)fluoranthene

Concen: 14.904 ng m

RT: 23.098 min Scan# 3401

Delta R.T. -0.023 min

Lab File: BP019947.D

Acq: 29 Feb 2024 20:47

Instrument :

BNA_P

ClientSampleId :

EO-01-022824-A

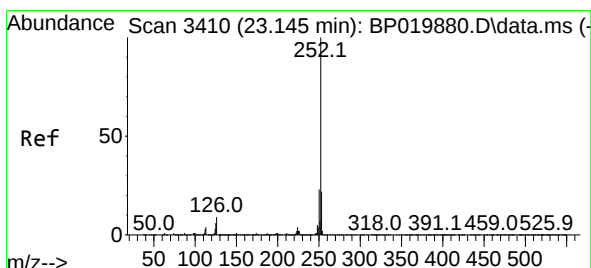
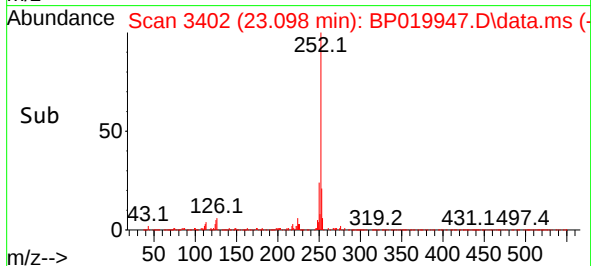
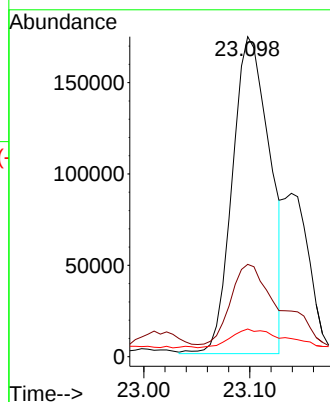
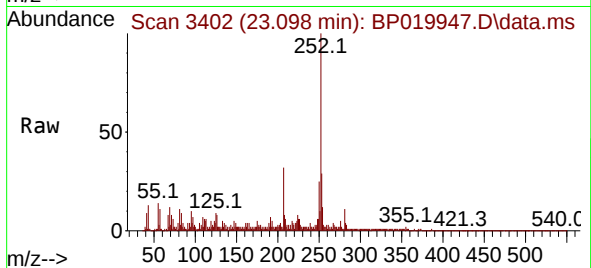
Tgt Ion:252 Resp: 425312

Ion	Ratio	Lower	Upper
252	100		
253	28.8	17.6	26.4
125	8.6	4.6	7.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 03/01/2024
Supervised By :mohammad ahmed 03/02/2024



#89

Benzo(k)fluoranthene

Concen: 5.482 ng m

RT: 23.139 min Scan# 3409

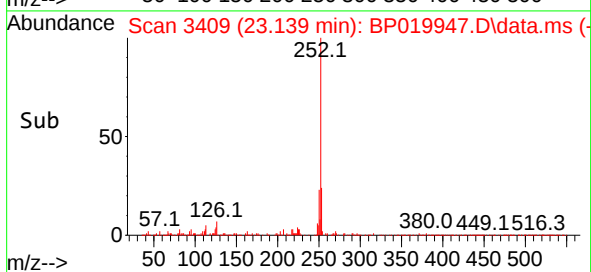
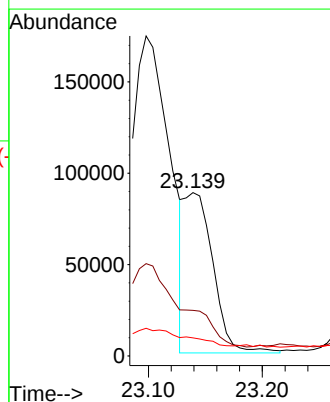
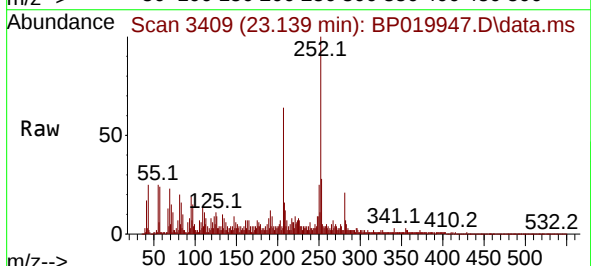
Delta R.T. -0.035 min

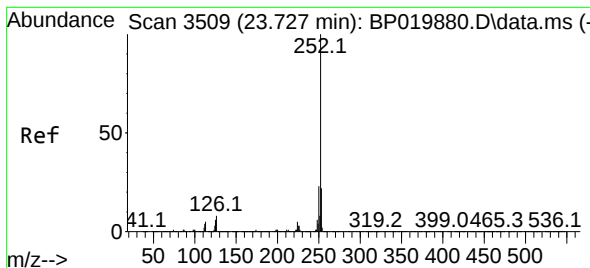
Lab File: BP019947.D

Acq: 29 Feb 2024 20:47

Tgt Ion:252 Resp: 153423

Ion	Ratio	Lower	Upper
252	100		
253	27.9	17.3	25.9
125	11.1	4.6	6.8





#90

Benzo(a)pyrene

Concen: 12.674 ng

RT: 23.727 min Scan# 31

Delta R.T. -0.035 min

Lab File: BP019947.D

Acq: 29 Feb 2024 20:47

Instrument :

BNA_P

ClientSampleId :

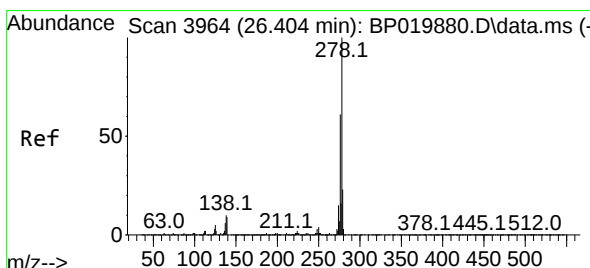
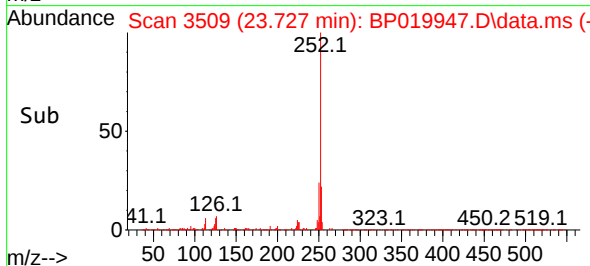
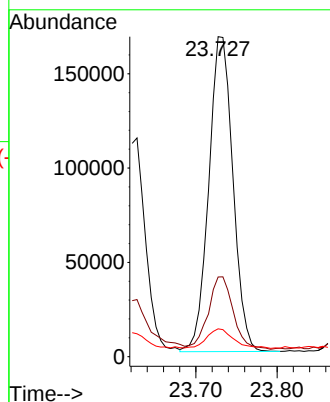
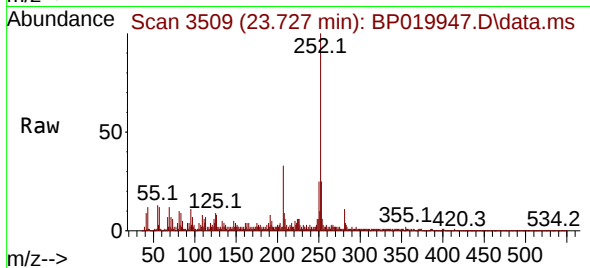
EO-01-022824-A

Tgt Ion:252 Resp: 34563
 Ion Ratio Lower Upper
 252 100
 253 24.9 17.5 26.3
 125 8.7 5.2 7.8

Manual Integrations

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Reviewed By :Jagrut Upadhyay 03/01/2024
 Supervised By :mohammad ahmed 03/02/2024



#91

Dibenzo(a,h)anthracene

Concen: 2.237 ng

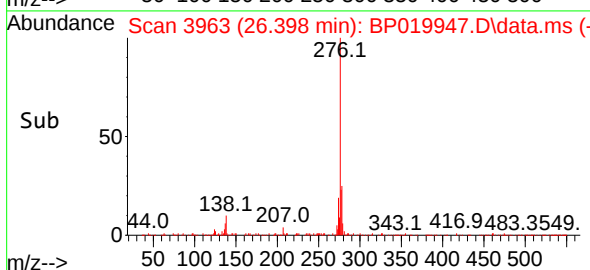
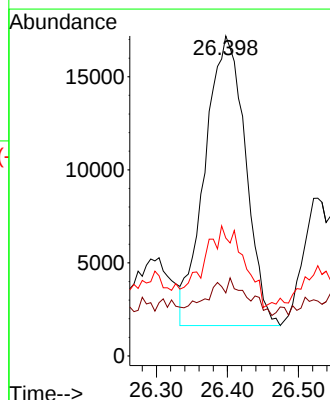
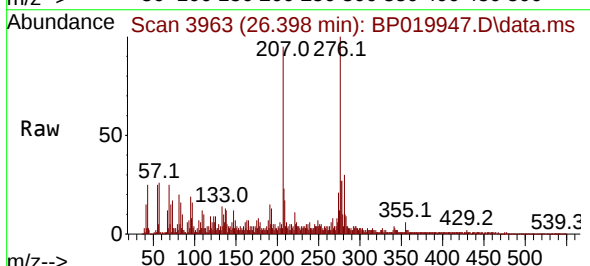
RT: 26.398 min Scan# 3963

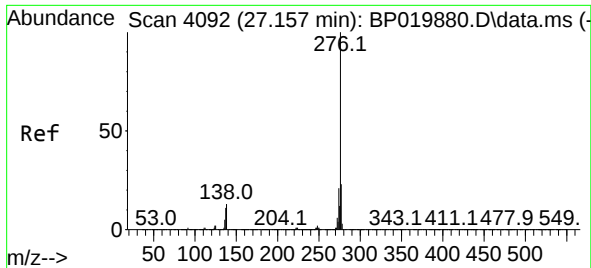
Delta R.T. -0.065 min

Lab File: BP019947.D

Acq: 29 Feb 2024 20:47

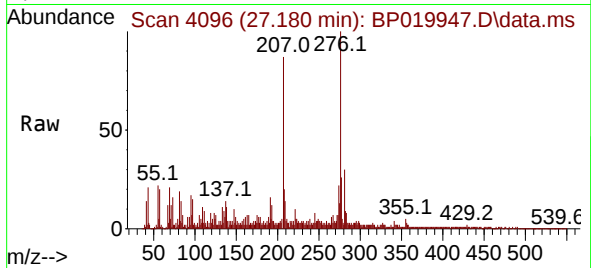
Tgt Ion:278 Resp: 61635
 Ion Ratio Lower Upper
 278 100
 139 19.7 7.4 11.0#
 279 36.9 18.7 28.1#





#92
 Benzo(g,h,i)perylene
 Concen: 8.372 ng
 RT: 27.180 min Scan# 4096
 Delta R.T. -0.047 min
 Lab File: BP019947.D
 Acq: 29 Feb 2024 20:47

Instrument :
 BNA_P
 ClientSampleId :
 EO-01-022824-A



Tgt Ion: 276 Resp: 22264
 Ion Ratio Lower Upper
 276 100
 277 25.6 18.5 27.7
 138 11.3 10.2 15.2

Manual Integrations
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Reviewed By :Jagrut Upadhyay 03/01/2024
 Supervised By :mohammad ahmed 03/02/2024

