

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072823\
 Data File : BF134523.D
 Acq On : 28 Jul 2023 19:23
 Operator : CG\JU
 Sample : 03791-01 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-03-072623

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/29/2023
 Supervised By :mohammad ahmed 07/31/2023

Quant Time: Jul 28 19:44:08 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 27 12:16:03 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	113841	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	427290	20.000	ng	# 0.00
39) Acenaphthene-d10	9.863	164	178889	20.000	ng	0.00
64) Phenanthrene-d10	11.357	188	275874	20.000	ng	# 0.00
76) Chrysene-d12	14.021	240	200138	20.000	ng	0.00
86) Perylene-d12	15.521	264	158428	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	265856	38.584	ng	0.00
7) Phenol-d6	6.469	99	315512	37.374	ng	0.00
23) Nitrobenzene-d5	7.392	82	206777	24.484	ng	0.00
42) 2,4,6-Tribromophenol	10.657	330	77572	30.520	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	372648	27.347	ng	0.00
79) Terphenyl-d14	12.951	244	280996	24.509	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.380	178	108252	7.510	ng	99
75) Fluoranthene	12.580	202	217590	12.953	ng	98
78) Pyrene	12.810	202	213794	13.435	ng	99
81) Benzo(a)anthracene	14.010	228	117374	8.406	ng	99
83) Chrysene	14.045	228	102030	7.639	ng	96
87) Indeno(1,2,3-cd)pyrene	17.068	276	24282	2.346	ng	# 88
88) Benzo(b)fluoranthene	15.080	252	105893m	10.684	ng	
89) Benzo(k)fluoranthene	15.104	252	31796m	3.262	ng	
90) Benzo(a)pyrene	15.457	252	68409	7.467	ng	# 91
92) Benzo(g,h,i)perylene	17.539	276	23422	2.729	ng	# 92

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

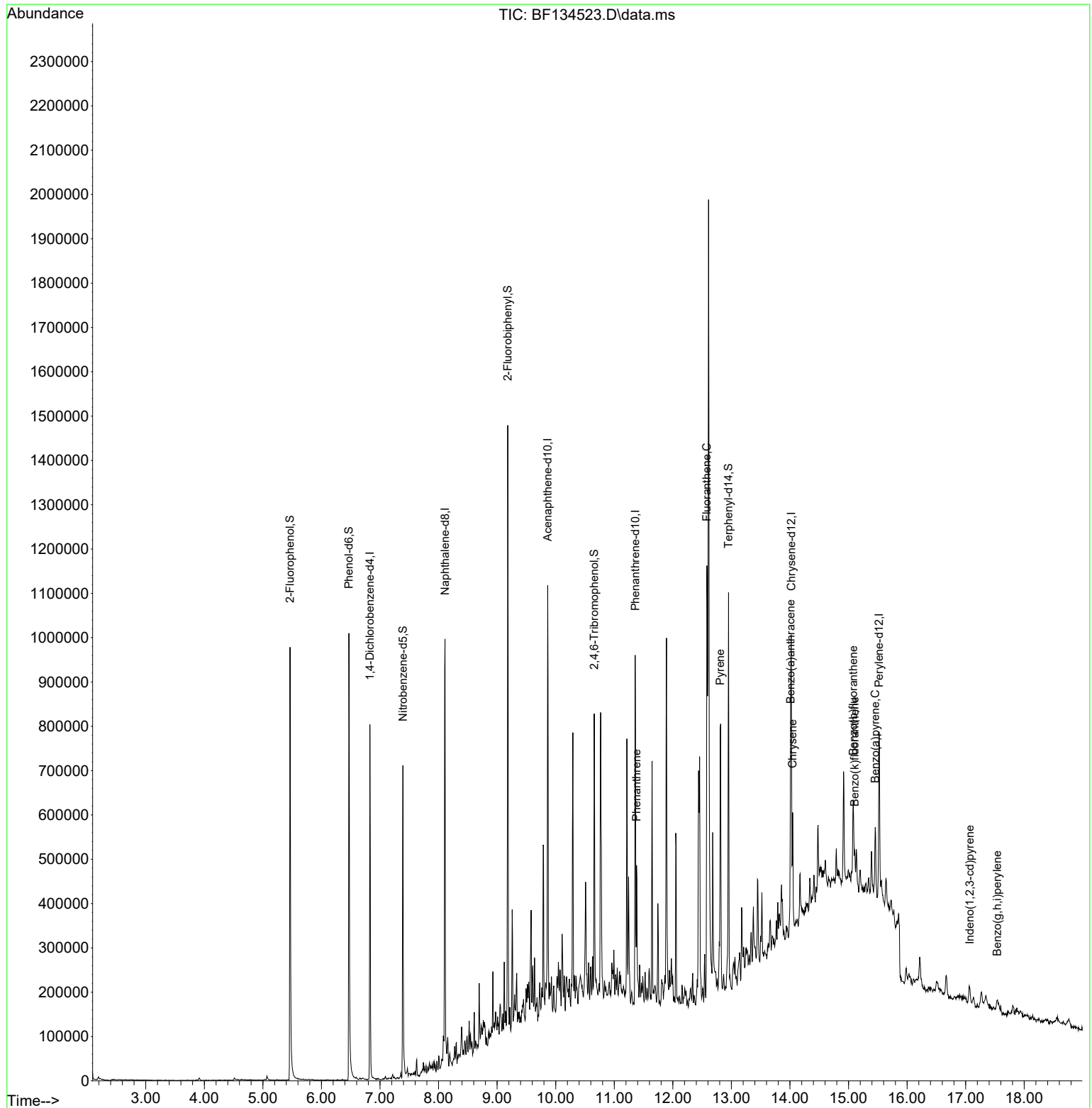
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072823\
Data File : BF134523.D
Acq On : 28 Jul 2023 19:23
Operator : CG\JU
Sample : 03791-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

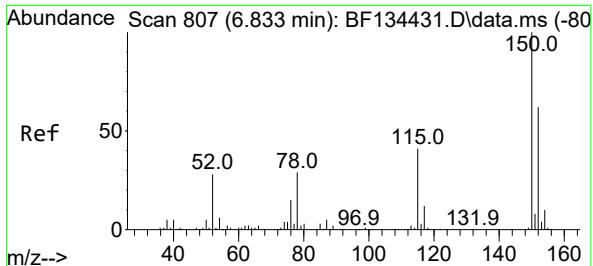
Instrument :
BNA_F
ClientSampleId :
EO-03-072623

Quant Time: Jul 28 19:44:08 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 27 12:16:03 2023
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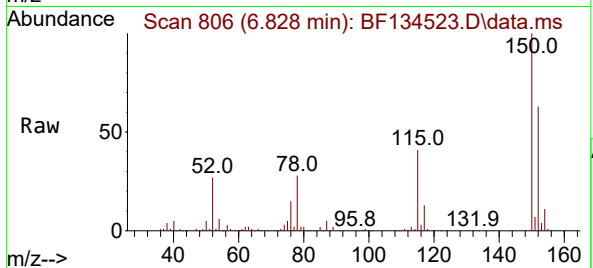
Reviewed By :Yogesh Patel 07/29/2023
Supervised By :mohammad ahmed 07/31/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 807
Delta R.T. -0.000 min
Lab File: BF134523.D
Acq: 28 Jul 2023 19:23

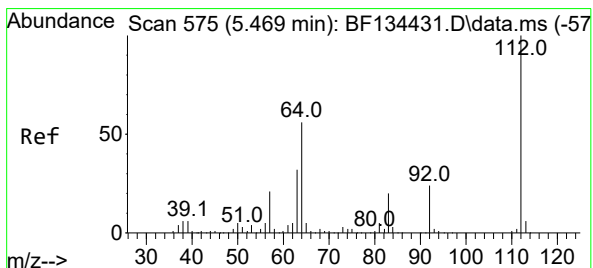
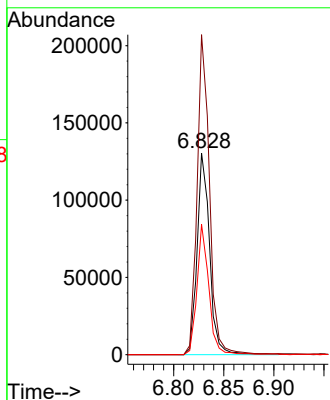
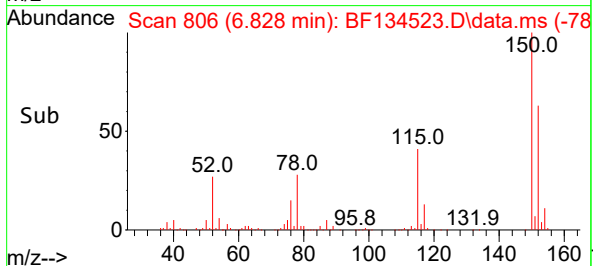
Instrument :
BNA_F
ClientSampleId :
EO-03-072623



Tgt Ion:152 Resp: 11384
Ion Ratio Lower Upper
152 100
150 158.8 128.3 192.5
115 64.6 52.4 78.6

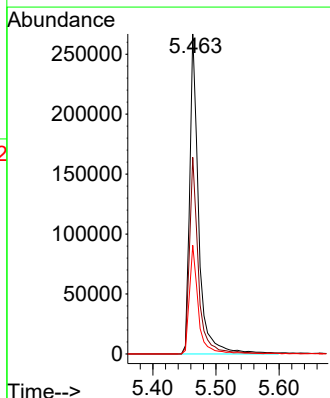
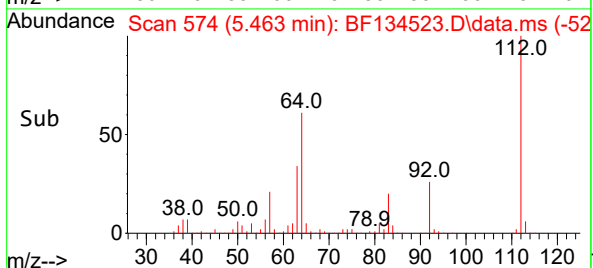
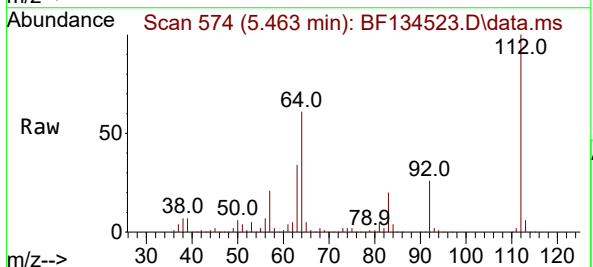
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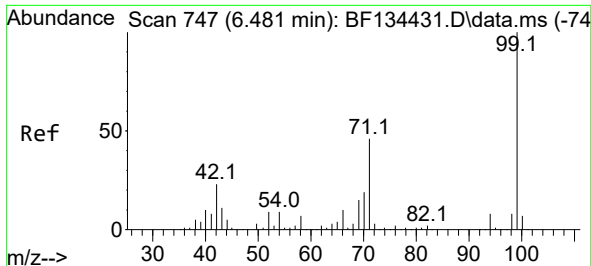
Reviewed By :Yogesh Patel 07/29/2023
Supervised By :mohammad ahmed 07/31/2023



#5
2-Fluorophenol
Concen: 38.584 ng
RT: 5.463 min Scan# 574
Delta R.T. 0.000 min
Lab File: BF134523.D
Acq: 28 Jul 2023 19:23

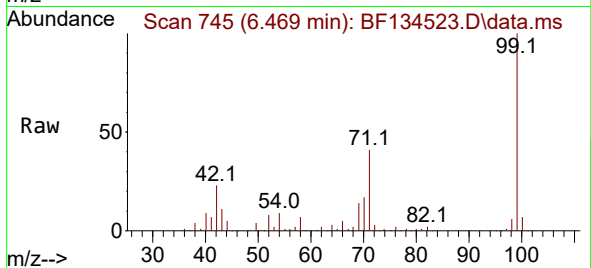
Tgt Ion:112 Resp: 265856
Ion Ratio Lower Upper
112 100
64 61.5 44.9 67.3
63 34.0 25.4 38.0





#7
Phenol-d6
Concen: 37.374 ng
RT: 6.469 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF134523.D
Acq: 28 Jul 2023 19:23

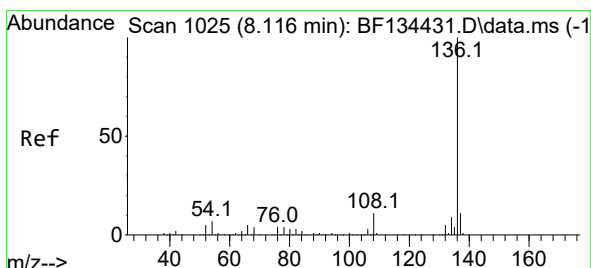
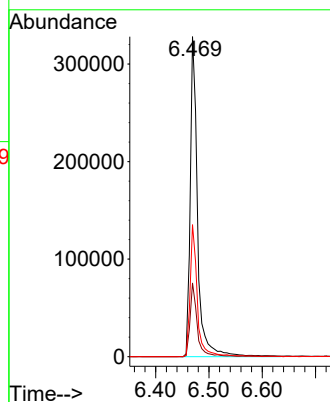
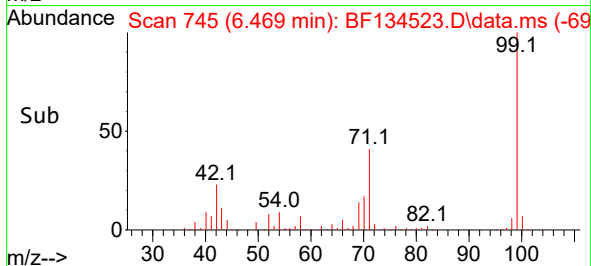
Instrument :
BNA_F
ClientSampleId :
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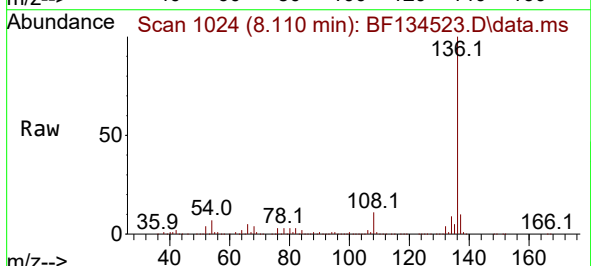
Tgt Ion: 99 Resp: 31551
Ion Ratio Lower Upper
99 100
42 23.1 18.7 28.1
71 41.3 36.4 54.6

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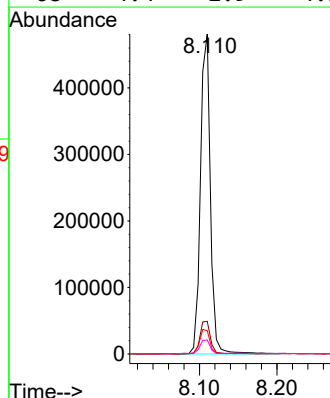
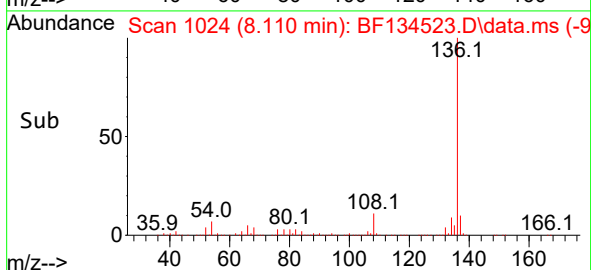
Reviewed By :Yogesh Patel 07/29/2023
Supervised By :mohammad ahmed 07/31/2023

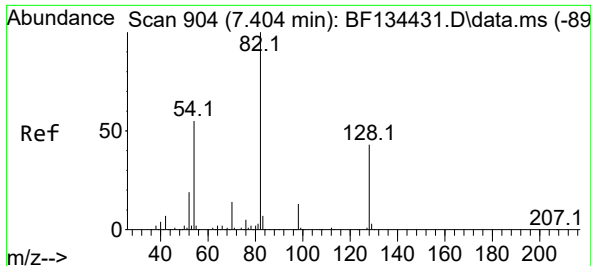


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1024
Delta R.T. 0.006 min
Lab File: BF134523.D
Acq: 28 Jul 2023 19:23



Tgt Ion:136 Resp: 427290
Ion Ratio Lower Upper
136 100
137 10.2 8.4 12.6
54 7.3 5.2 7.8
68 4.4 2.9 4.3#





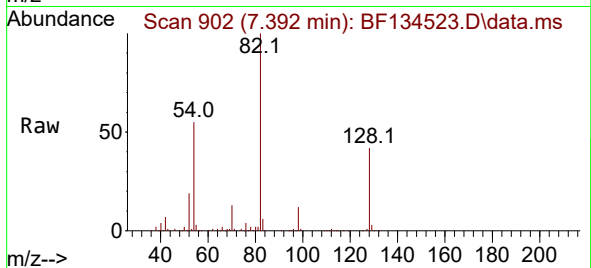
#23
Nitrobenzene-d5
Concen: 24.484 ng
RT: 7.392 min Scan# 904
Delta R.T. 0.000 min
Lab File: BF134523.D
Acq: 28 Jul 2023 19:23

Instrument :

BNA_F

ClientSampleId :

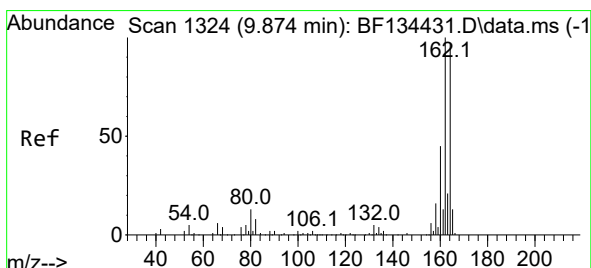
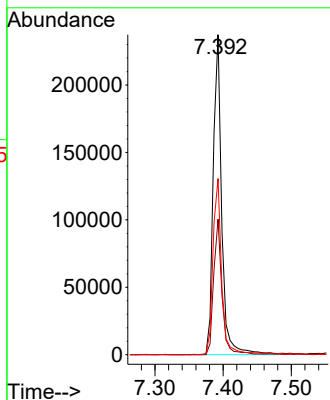
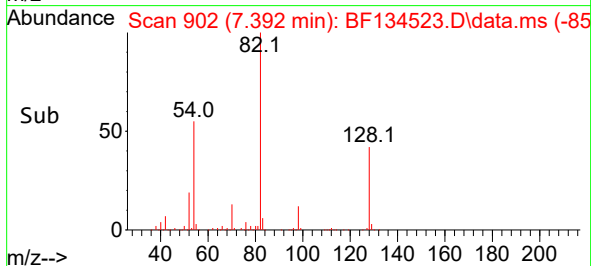
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Tgt Ion: 82 Resp: 206777
Ion Ratio Lower Upper
82 100
128 42.3 34.3 51.5
54 55.1 43.8 65.6

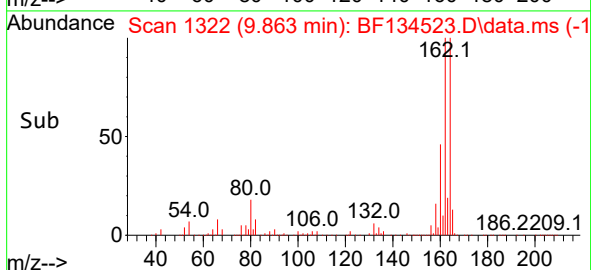
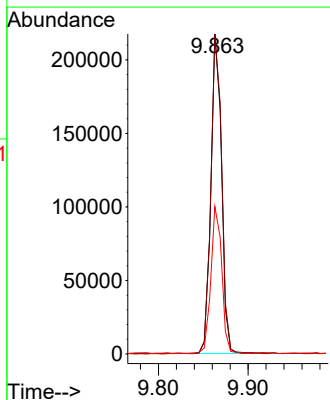
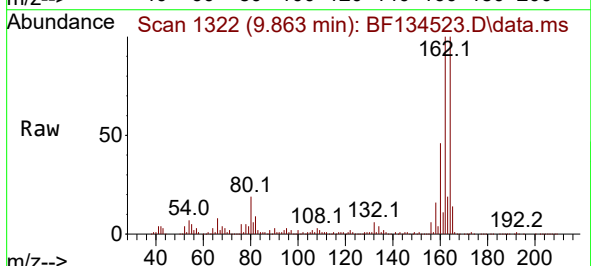
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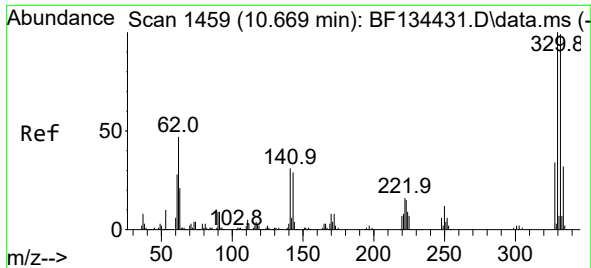
Reviewed By :Yogesh Patel 07/29/2023
Supervised By :mohammad ahmed 07/31/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1322
Delta R.T. 0.000 min
Lab File: BF134523.D
Acq: 28 Jul 2023 19:23

Tgt Ion:164 Resp: 178889
Ion Ratio Lower Upper
164 100
162 99.9 82.6 123.8
160 46.0 37.2 55.8





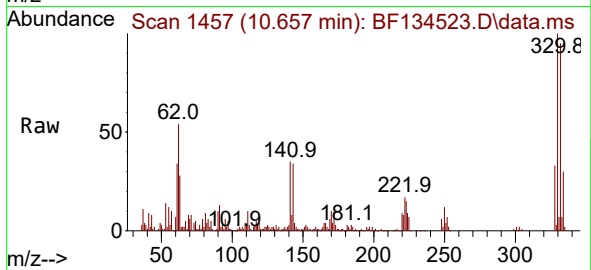
#42
2,4,6-Tribromophenol
Concen: 30.520 ng
RT: 10.657 min Scan# 1459
Delta R.T. -0.006 min
Lab File: BF134523.D
Acq: 28 Jul 2023 19:23

Instrument :

BNA_F

ClientSampleId :

EO-03-072623



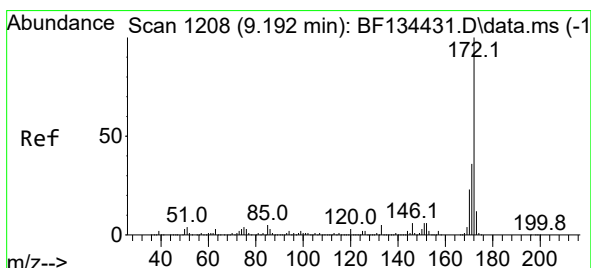
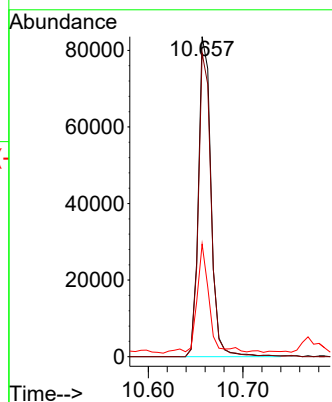
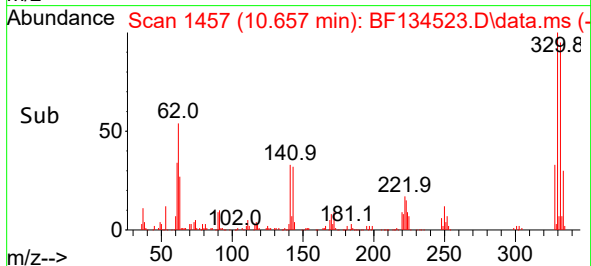
Tgt Ion:330 Resp: 77572
Ion Ratio Lower Upper
330 100
332 95.6 78.8 118.2
141 33.7 25.4 38.2

Manual Integrations

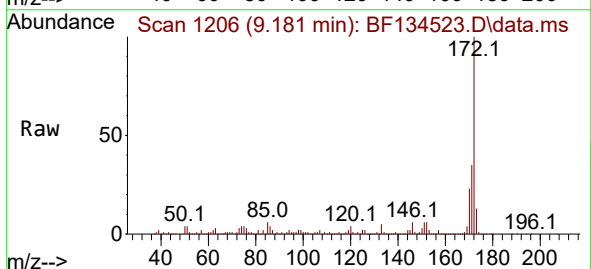
APPROVED

Reviewed By :Yogesh Patel 07/29/2023

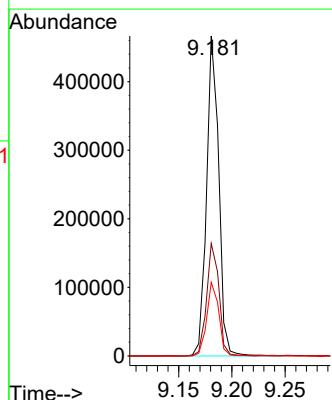
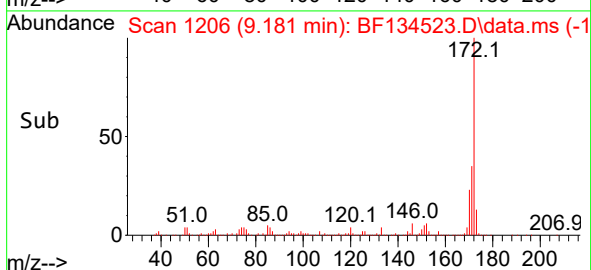
Supervised By :mohammad ahmed 07/31/2023

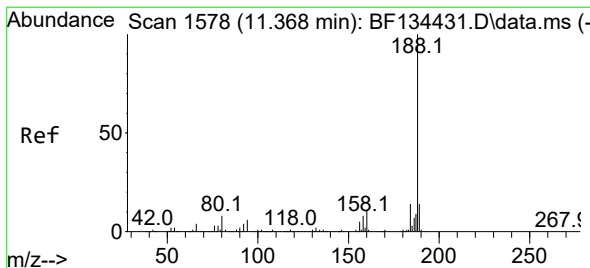


#45
2-Fluorobiphenyl
Concen: 27.347 ng
RT: 9.181 min Scan# 1206
Delta R.T. 0.000 min
Lab File: BF134523.D
Acq: 28 Jul 2023 19:23



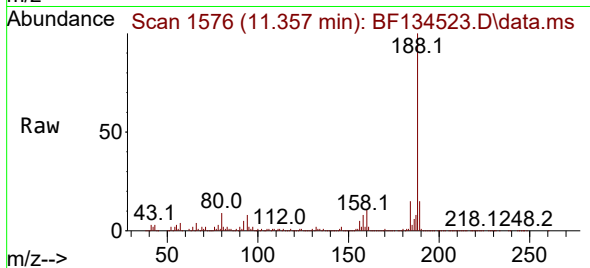
Tgt Ion:172 Resp: 372648
Ion Ratio Lower Upper
172 100
171 35.2 28.8 43.2
170 23.0 18.7 28.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.357 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134523.D
Acq: 28 Jul 2023 19:23

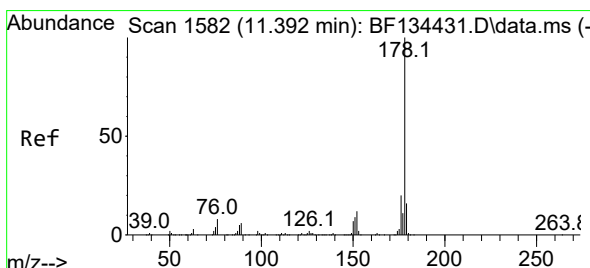
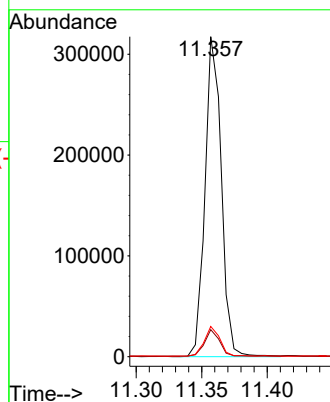
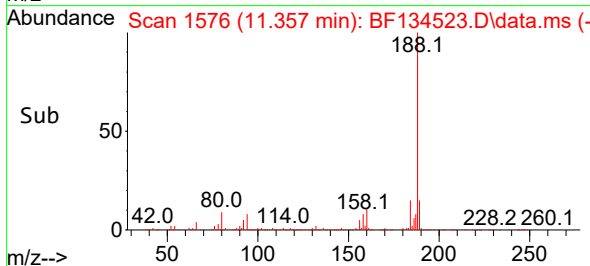
Instrument :
BNA_F
ClientSampleId :
EO-03-072623



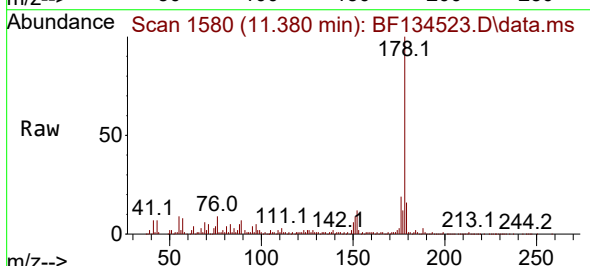
Tgt Ion:188 Resp: 275874
Ion Ratio Lower Upper
188 100
94 8.5 5.1 7.7
80 9.5 6.6 9.8

Manual Integrations
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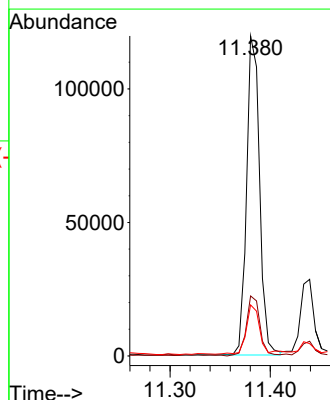
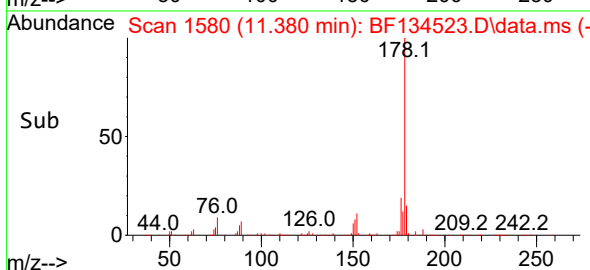
Reviewed By :Yogesh Patel 07/29/2023
Supervised By :mohammad ahmed 07/31/2023

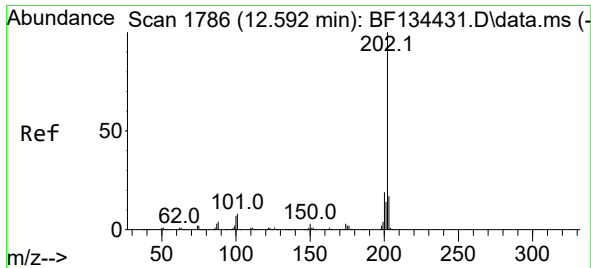


#71
Phenanthrene
Concen: 7.510 ng
RT: 11.380 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF134523.D
Acq: 28 Jul 2023 19:23



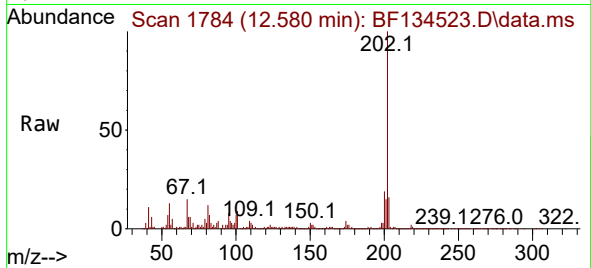
Tgt Ion:178 Resp: 108252
Ion Ratio Lower Upper
178 100
176 18.8 15.8 23.6
179 16.0 12.7 19.1





#75
Fluoranthene
Concen: 12.953 ng
RT: 12.580 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134523.D
Acq: 28 Jul 2023 19:23

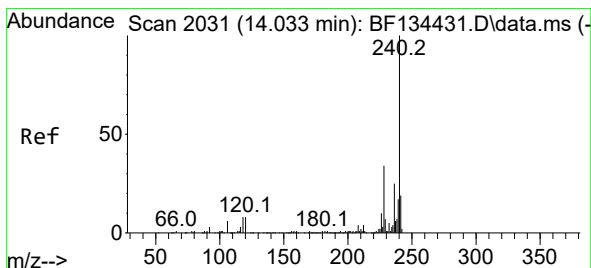
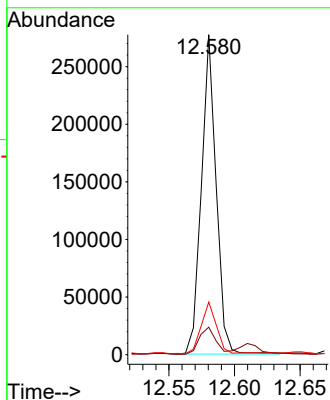
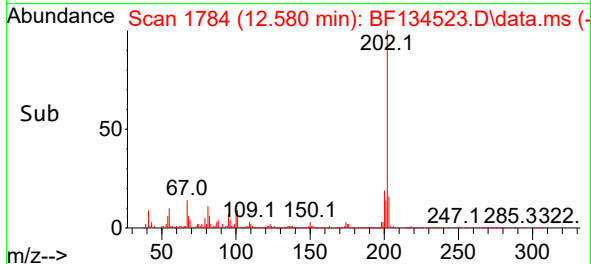
Instrument :
BNA_F
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EO-03-072623



Tgt Ion:202 Resp: 217590
Ion Ratio Lower Upper
202 100
101 8.6 0.0 28.5
203 16.5 0.0 37.5

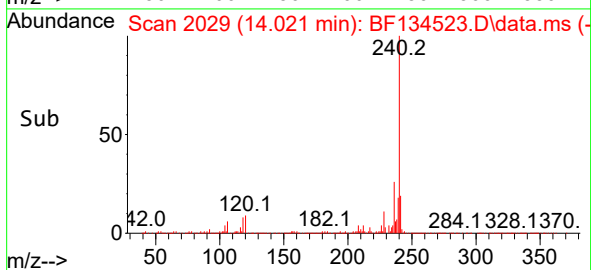
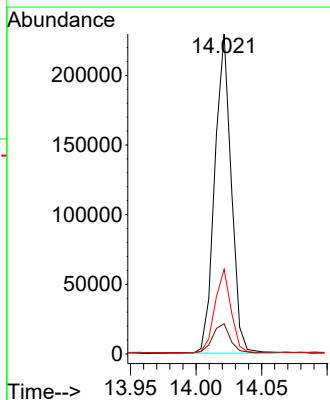
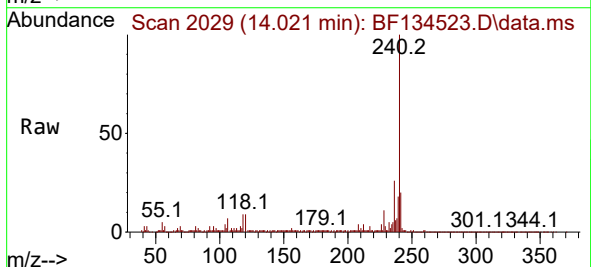
Manual Integrations
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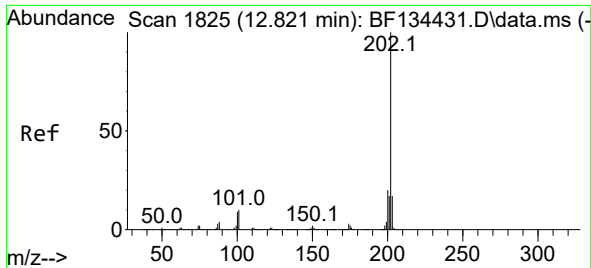
Reviewed By :Yogesh Patel 07/29/2023
Supervised By :mohammad ahmed 07/31/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF134523.D
Acq: 28 Jul 2023 19:23

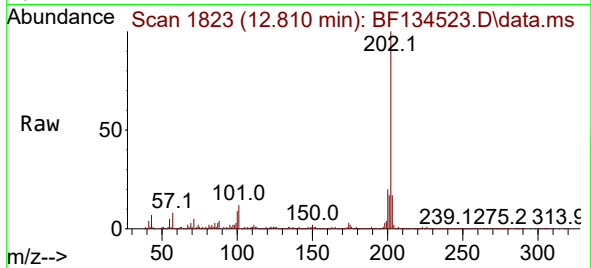
Tgt Ion:240 Resp: 200138
Ion Ratio Lower Upper
240 100
120 9.5 6.6 10.0
236 26.4 20.2 30.2





#78
Pyrene
Concen: 13.435 ng
RT: 12.810 min Scan# 1825
Delta R.T. 0.000 min
Lab File: BF134523.D
Acq: 28 Jul 2023 19:23

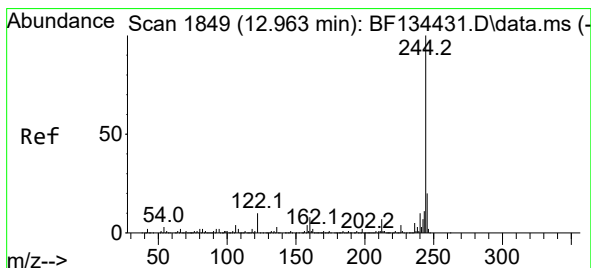
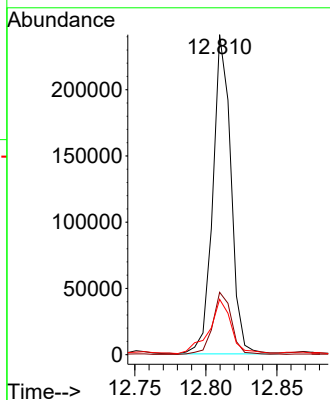
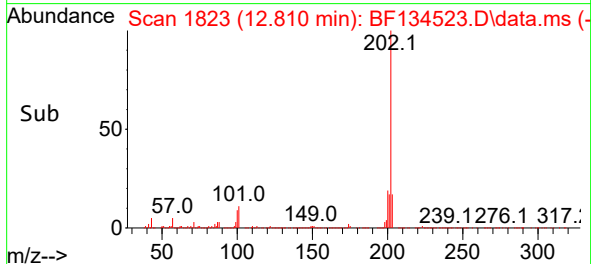
Instrument :
BNA_F
ClientSampleId :
EO-03-072623



Tgt Ion:202 Resp: 213794
Ion Ratio Lower Upper
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200 19.5 15.8 23.8
203 17.3 13.5 20.3

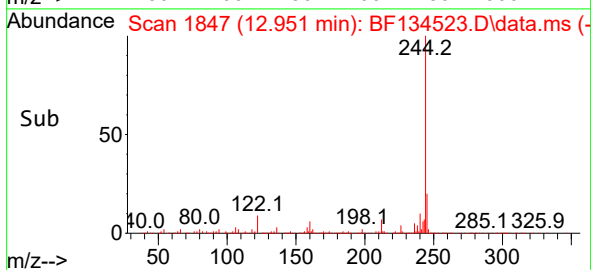
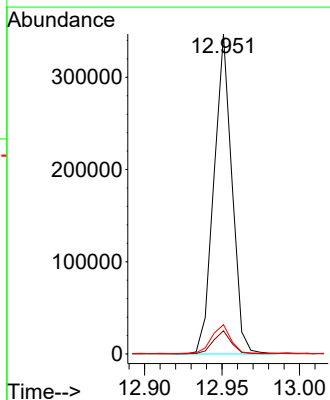
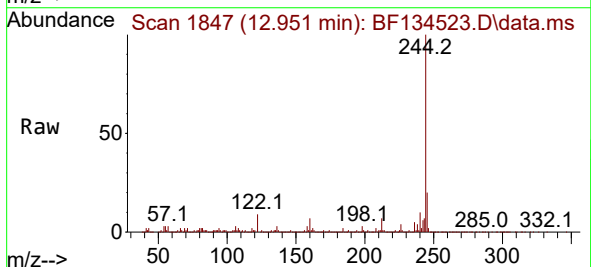
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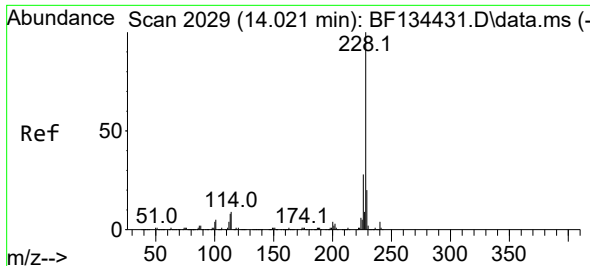
Reviewed By :Yogesh Patel 07/29/2023
Supervised By :mohammad ahmed 07/31/2023



#79
Terphenyl-d14
Concen: 24.509 ng
RT: 12.951 min Scan# 1847
Delta R.T. 0.000 min
Lab File: BF134523.D
Acq: 28 Jul 2023 19:23

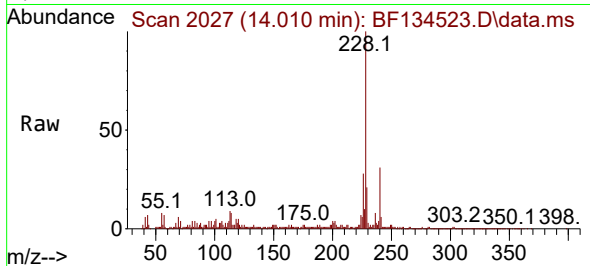
Tgt Ion:244 Resp: 280996
Ion Ratio Lower Upper
244 100
212 7.2 5.6 8.4
122 9.2 8.0 12.0





#81
Benzo(a)anthracene
Concen: 8.406 ng
RT: 14.010 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF134523.D
Acq: 28 Jul 2023 19:23

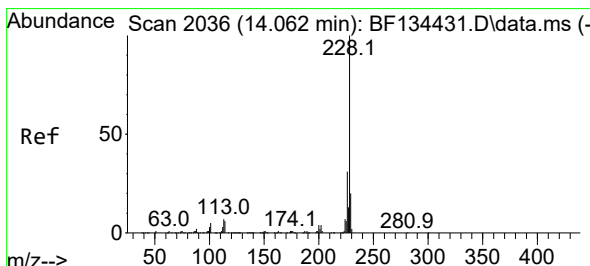
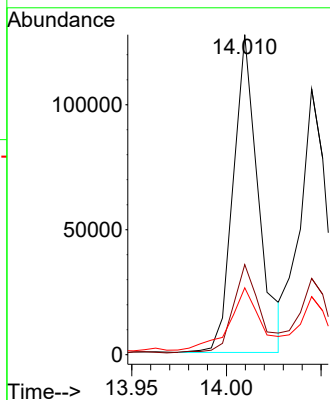
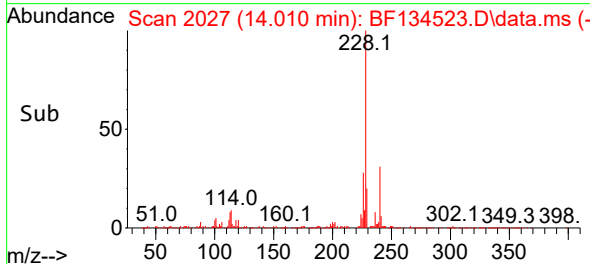
Instrument :
BNA_F
ClientSampleId :
EO-03-072623



Tgt Ion:228 Resp: 117374
Ion Ratio Lower Upper
228 100
226 28.2 22.3 33.5
229 20.9 15.8 23.6

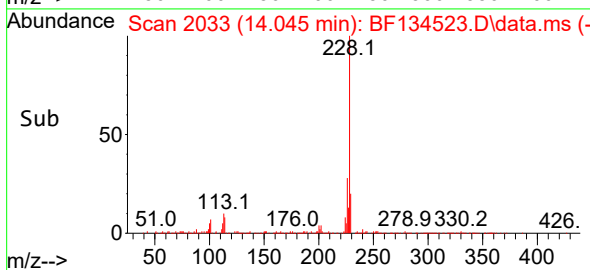
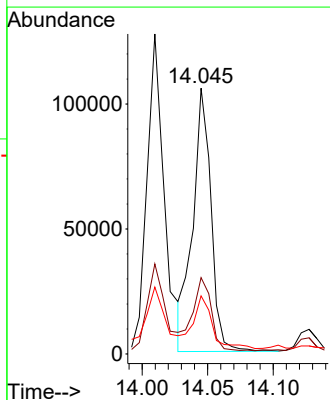
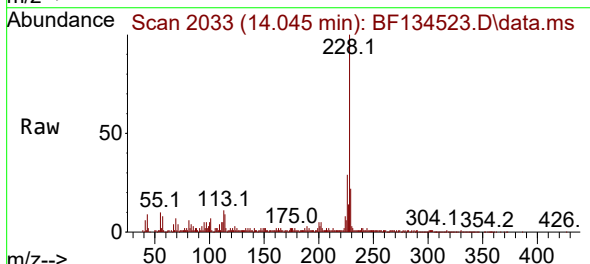
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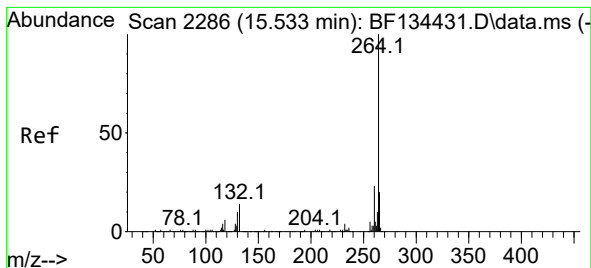
Reviewed By :Yogesh Patel 07/29/2023
Supervised By :mohammad ahmed 07/31/2023



#83
Chrysene
Concen: 7.639 ng
RT: 14.045 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF134523.D
Acq: 28 Jul 2023 19:23

Tgt Ion:228 Resp: 102030
Ion Ratio Lower Upper
228 100
226 28.8 24.5 36.7
229 21.9 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.521 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF134523.D

Acq: 28 Jul 2023 19:23

Instrument :

BNA_F

ClientSampleId :

EO-03-072623

Tgt Ion:264 Resp: 158428

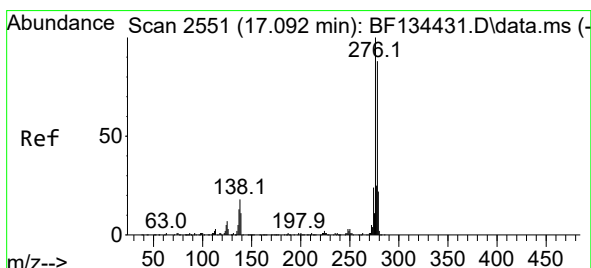
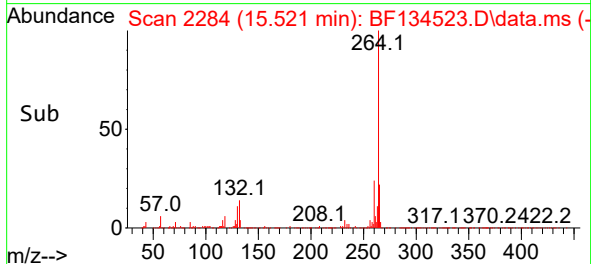
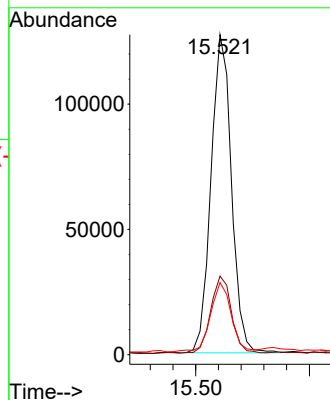
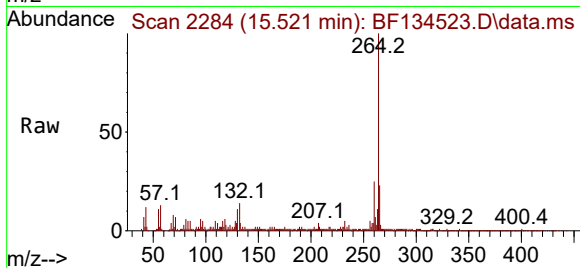
Ion	Ratio	Lower	Upper
264	100		
260	24.6	18.4	27.6
265	22.6	15.8	23.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/29/2023

Supervised By :mohammad ahmed 07/31/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.346 ng

RT: 17.068 min Scan# 2547

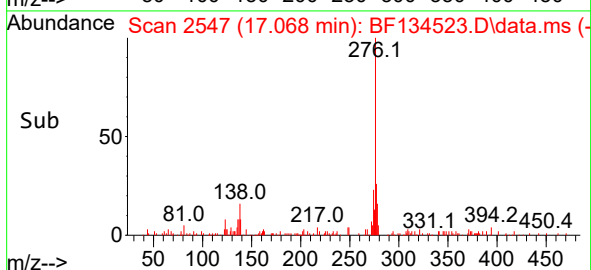
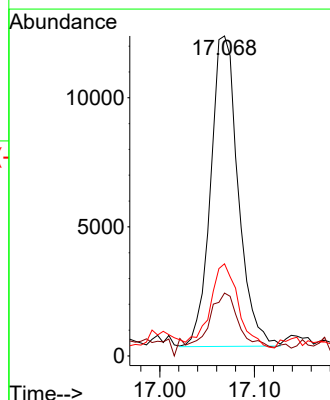
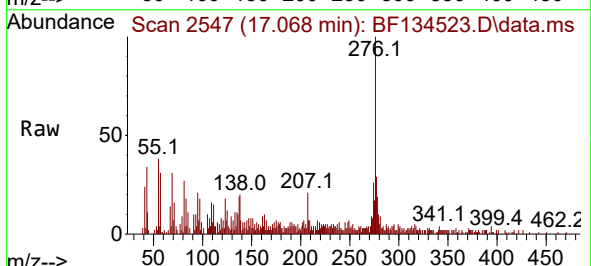
Delta R.T. 0.012 min

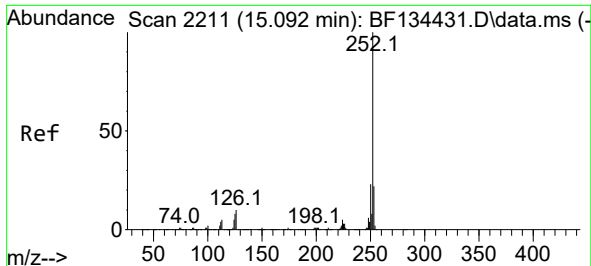
Lab File: BF134523.D

Acq: 28 Jul 2023 19:23

Tgt Ion:276 Resp: 24282

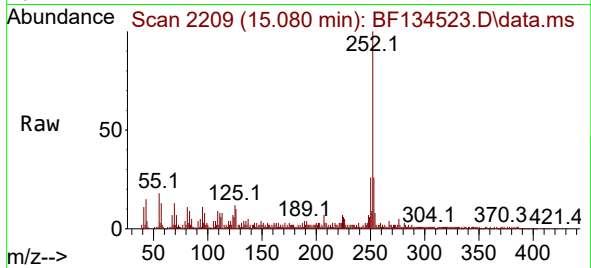
Ion	Ratio	Lower	Upper
276	100		
138	27.0	14.2	21.4
277	27.9	19.9	29.9





#88
Benzo(b)fluoranthene
Concen: 10.684 ng m
RT: 15.080 min Scan# 2111
Delta R.T. 0.006 min
Lab File: BF134523.D
Acq: 28 Jul 2023 19:23

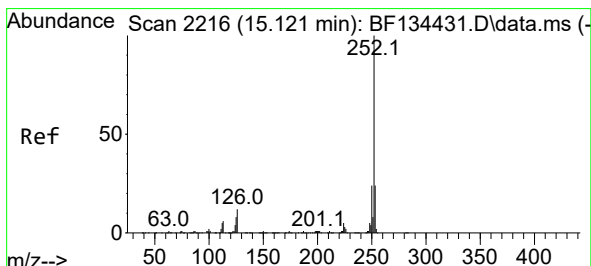
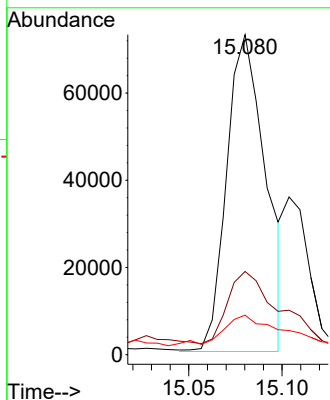
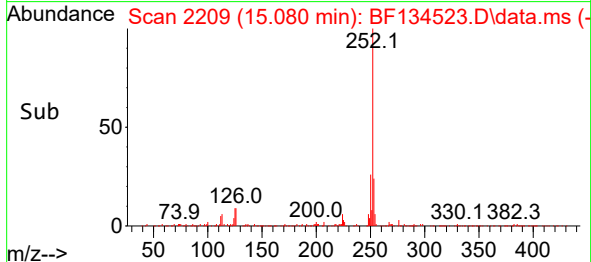
Instrument :
BNA_F
ClientSampleId :
EO-03-072623



Tgt Ion:252 Resp: 10589
Ion Ratio Lower Upper
252 100
253 26.0 17.3 25.9#
125 12.3 6.0 9.0#

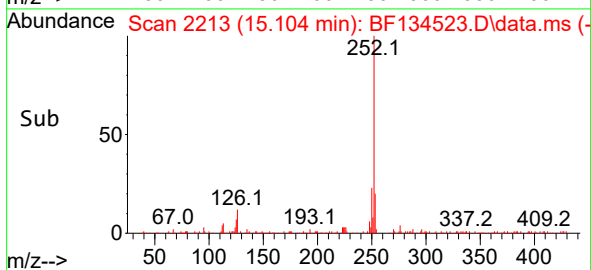
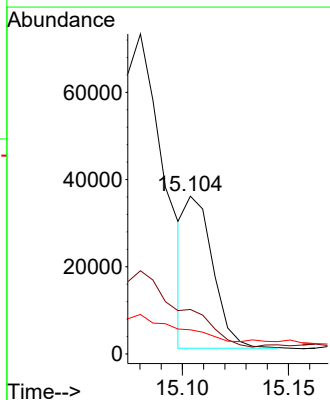
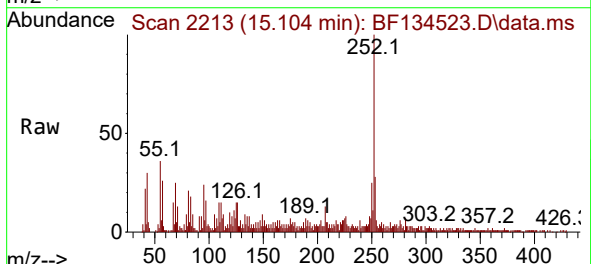
Manual Integrations
APPROVED

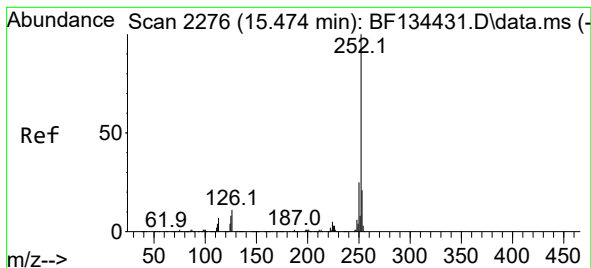
Reviewed By :Yogesh Patel 07/29/2023
Supervised By :mohammad ahmed 07/31/2023



#89
Benzo(k)fluoranthene
Concen: 3.262 ng m
RT: 15.104 min Scan# 2213
Delta R.T. 0.000 min
Lab File: BF134523.D
Acq: 28 Jul 2023 19:23

Tgt Ion:252 Resp: 31796
Ion Ratio Lower Upper
252 100
253 28.2 17.9 26.9#
125 15.4 6.3 9.5#





#90

Benzo(a)pyrene

Concen: 7.467 ng

RT: 15.457 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF134523.D

Acq: 28 Jul 2023 19:23

Instrument :

BNA_F

ClientSampleId :

EO-03-072623

Tgt Ion:252 Resp: 68409

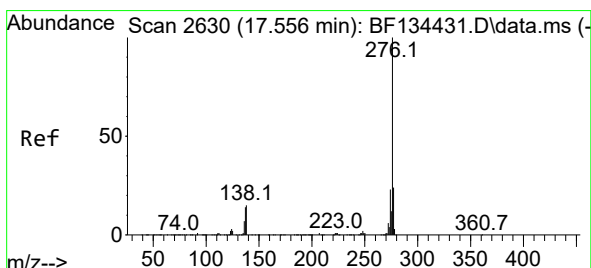
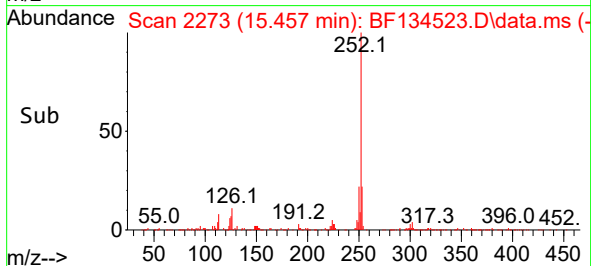
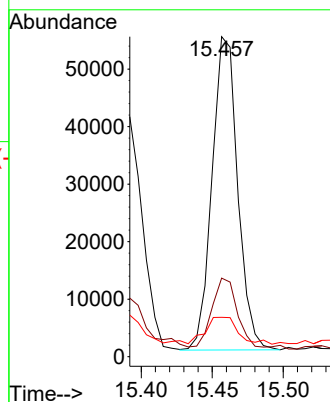
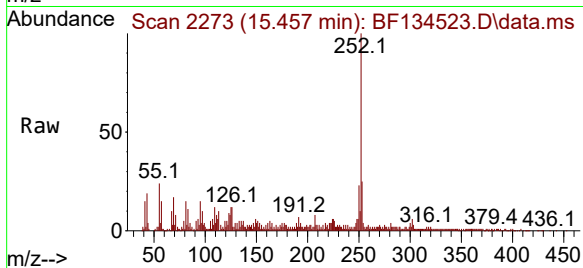
Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.0	25.4
125	12.3	6.2	9.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/29/2023

Supervised By :mohammad ahmed 07/31/2023



#92

Benzo(g,h,i)perylene

Concen: 2.729 ng

RT: 17.539 min Scan# 2627

Delta R.T. 0.018 min

Lab File: BF134523.D

Acq: 28 Jul 2023 19:23

Tgt Ion:276 Resp: 23422

Ion	Ratio	Lower	Upper
276	100		
277	26.9	19.0	28.6
138	19.4	12.2	18.2

