

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072523\
 Data File : BF134465.D
 Acq On : 25 Jul 2023 16:26
 Operator : CG\JU
 Sample : 03707-01 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-072023

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/26/2023
 Supervised By :mohammad ahmed 07/26/2023

Quant Time: Jul 25 16:49:14 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 01:46:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.834	152	68993	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	302365	20.000	ng	# 0.00
39) Acenaphthene-d10	9.869	164	106639	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	170810	20.000	ng	0.00
76) Chrysene-d12	14.027	240	120249	20.000	ng	0.00
86) Perylene-d12	15.533	264	107468	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	184907	44.280	ng	0.00
7) Phenol-d6	6.469	99	215230	42.068	ng	-0.01
23) Nitrobenzene-d5	7.392	82	124900	20.899	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	43590	28.769	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	239989	29.544	ng	0.00
79) Terphenyl-d14	12.957	244	206573	29.988	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.386	178	84037	9.416	ng	98
72) Anthracene	11.439	178	37221	4.041	ng	98
75) Fluoranthene	12.586	202	258838	24.886	ng	99
78) Pyrene	12.816	202	237628	24.853	ng	99
81) Benzo(a)anthracene	14.016	228	156463	18.650	ng	98
83) Chrysene	14.051	228	122385	15.251	ng	97
87) Indeno(1,2,3-cd)pyrene	17.086	276	64234	9.149	ng	97
88) Benzo(b)fluoranthene	15.092	252	157878m	23.482	ng	
89) Benzo(k)fluoranthene	15.115	252	63302m	9.574	ng	
90) Benzo(a)pyrene	15.468	252	112153	18.047	ng	# 93
91) Dibenzo(a,h)anthracene	17.092	278	17710	3.123	ng	# 81
92) Benzo(g,h,i)perylene	17.556	276	54959	9.440	ng	94

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

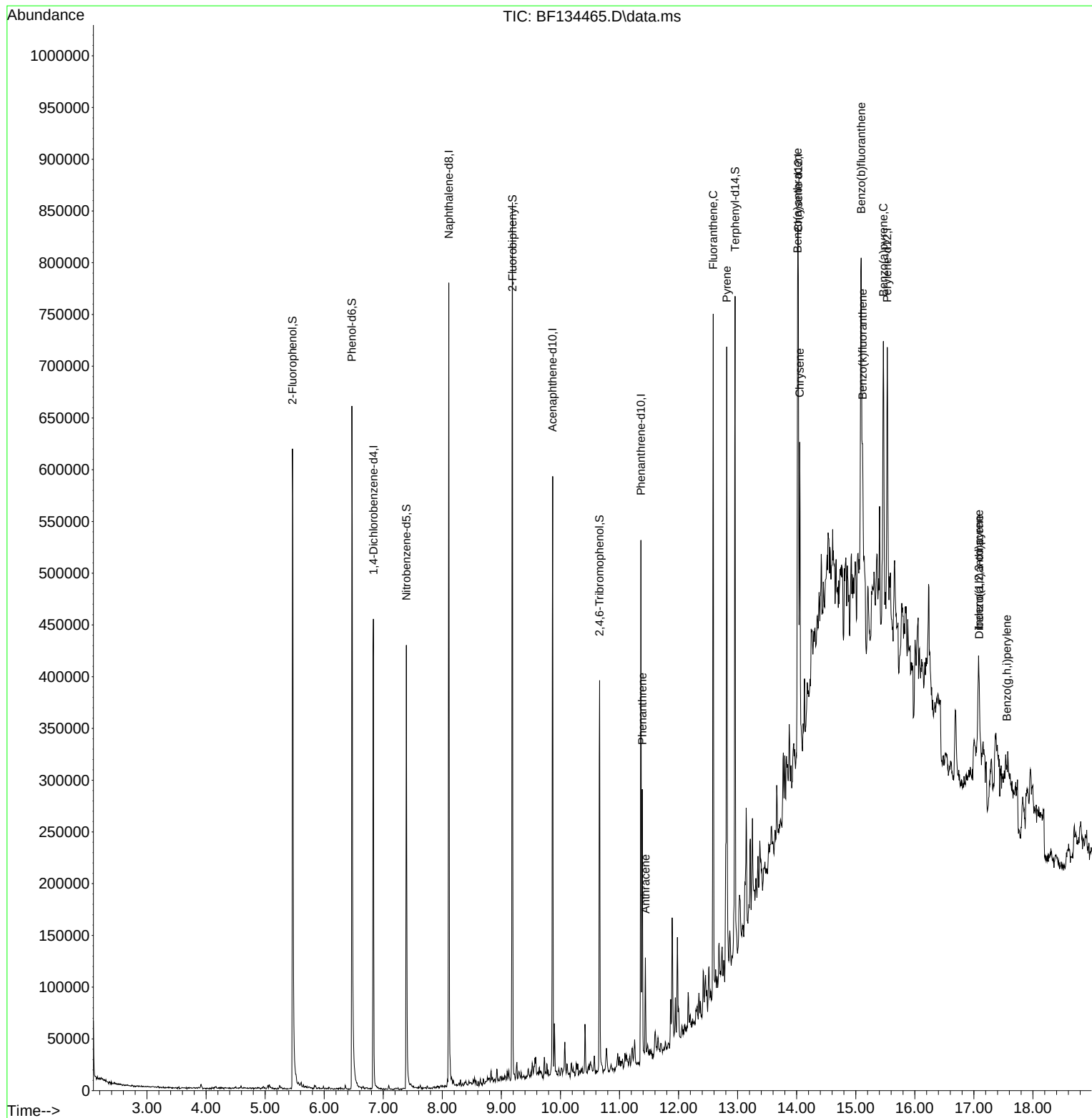
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072523\
Data File : BF134465.D
Acq On : 25 Jul 2023 16:26
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ALS Vial : 8 Sample Multiplier: 1

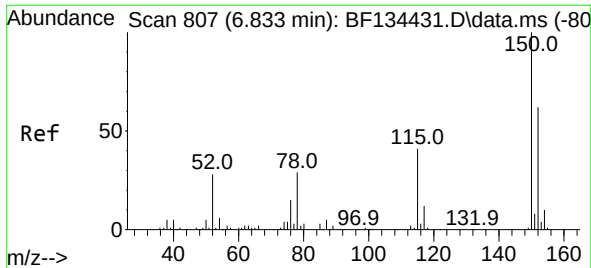
Instrument :
BNA_F
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EO-01-072023

Quant Time: Jul 25 16:49:14 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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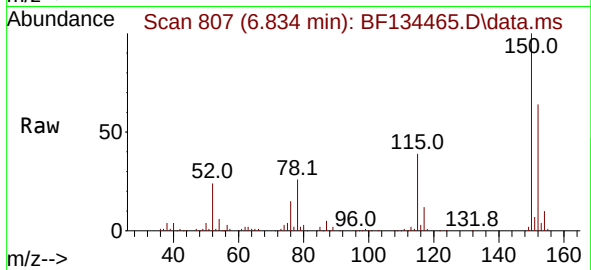
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/26/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min Scan# 807
Delta R.T. 0.001 min
Lab File: BF134465.D
Acq: 25 Jul 2023 16:26

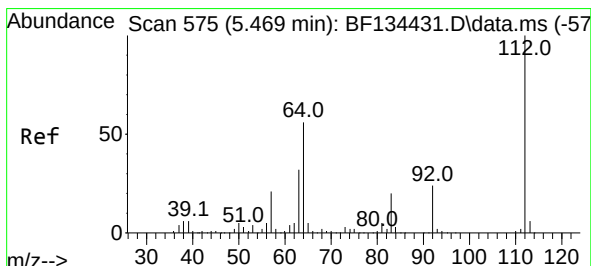
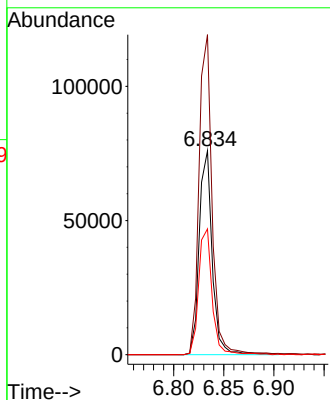
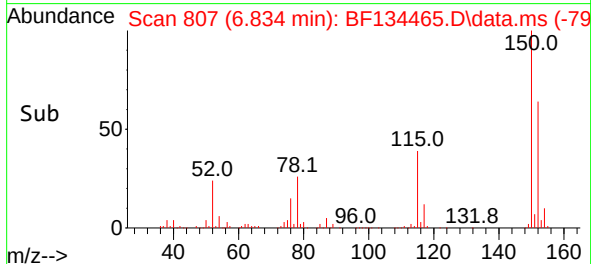
Instrument :
BNA_F
ClientSampleId :
EO-01-072023



Tgt Ion:152 Resp: 68993
Ion Ratio Lower Upper
152 100
150 156.9 128.3 192.5
115 61.7 52.4 78.6

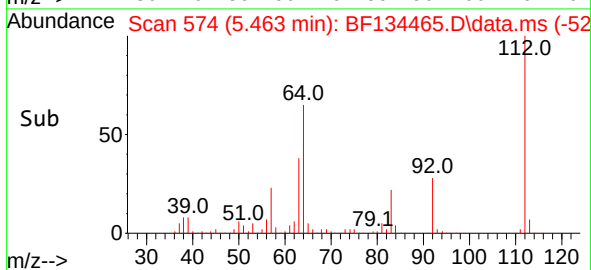
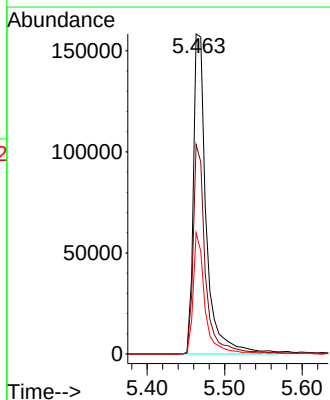
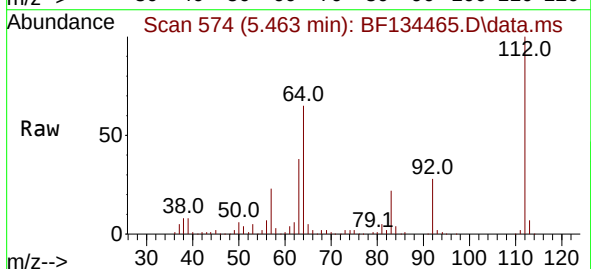
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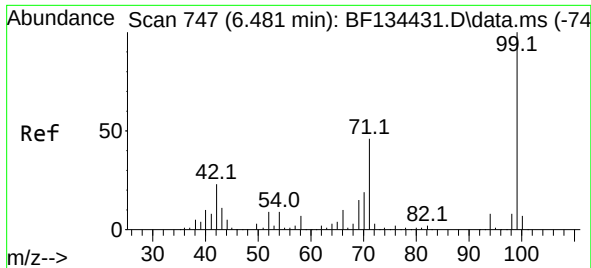
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/26/2023



#5
2-Fluorophenol
Concen: 44.280 ng
RT: 5.463 min Scan# 574
Delta R.T. -0.006 min
Lab File: BF134465.D
Acq: 25 Jul 2023 16:26

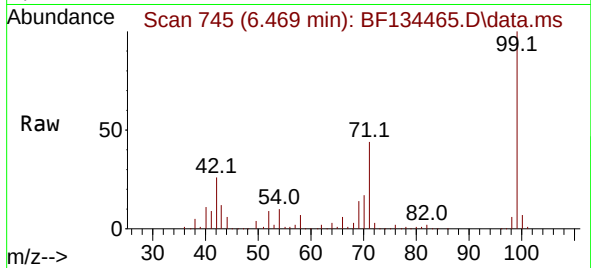
Tgt Ion:112 Resp: 184907
Ion Ratio Lower Upper
112 100
64 65.5 44.9 67.3
63 37.9 25.4 38.0





#7
Phenol-d6
Concen: 42.068 ng
RT: 6.469 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF134465.D
Acq: 25 Jul 2023 16:26

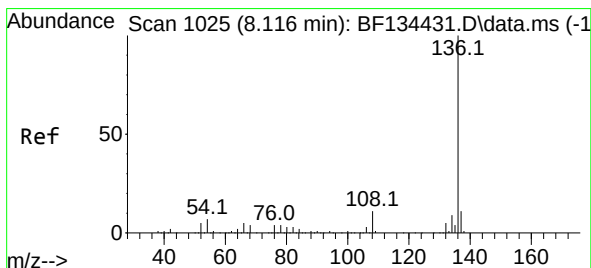
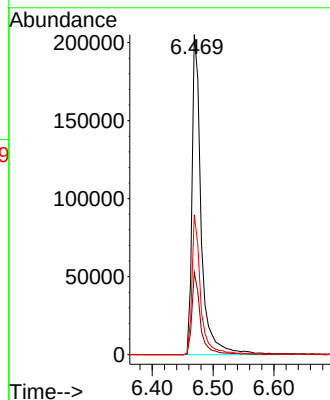
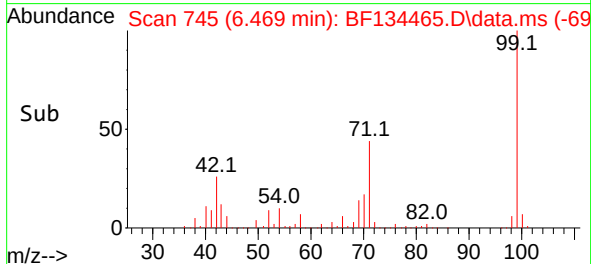
Instrument :
BNA_F
ClientSampleId :
EO-01-072023



Tgt Ion: 99 Resp: 215230
Ion Ratio Lower Upper
99 100
42 25.7 18.7 28.1
71 43.7 36.4 54.6

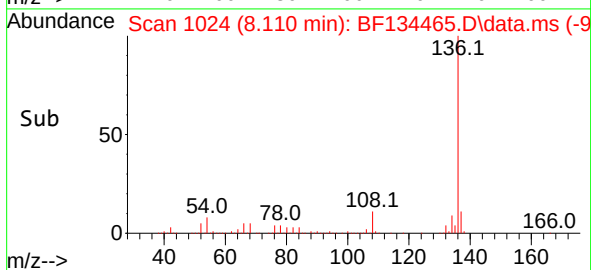
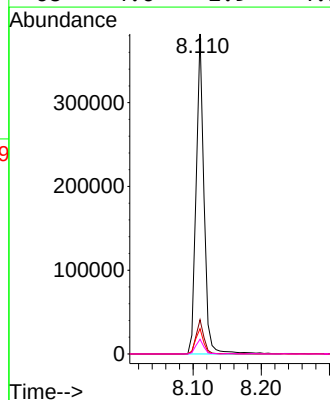
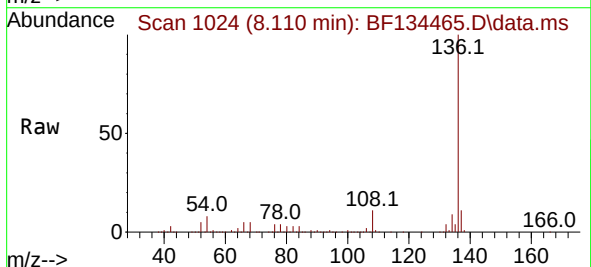
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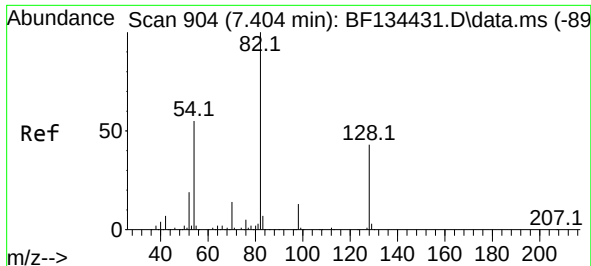
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/26/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1024
Delta R.T. -0.006 min
Lab File: BF134465.D
Acq: 25 Jul 2023 16:26

Tgt Ion:136 Resp: 302365
Ion Ratio Lower Upper
136 100
137 10.7 8.4 12.6
54 7.9 5.2 7.8#
68 4.6 2.9 4.3#





#23

Nitrobenzene-d5

Concen: 20.899 ng

RT: 7.392 min Scan# 904

Delta R.T. -0.012 min

Lab File: BF134465.D

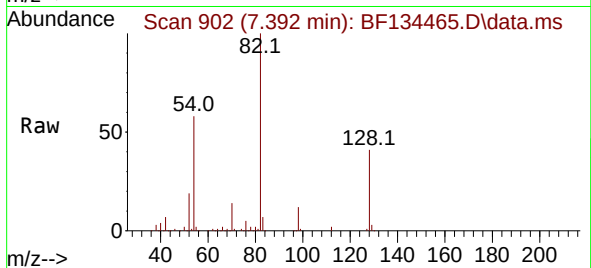
Acq: 25 Jul 2023 16:26

Instrument :

BNA_F

ClientSampleId :

EO-01-072023

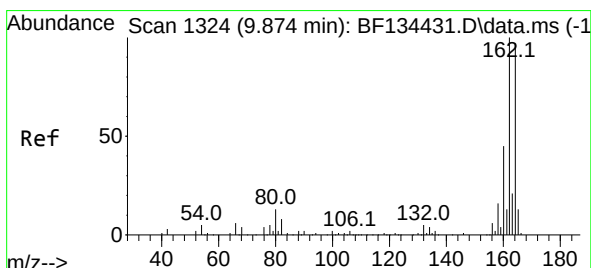
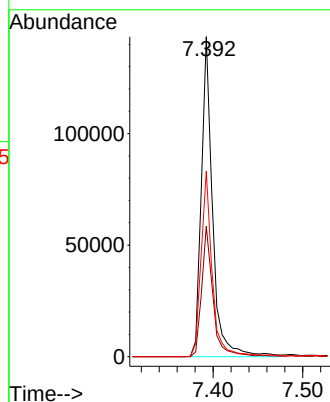
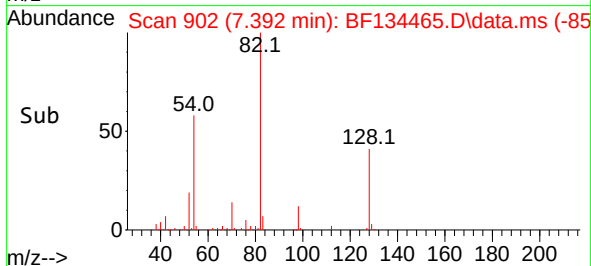


Tgt Ion:	82	Resp:	124900
Ion Ratio	Lower	Upper	
82	100		
128	40.7	34.3	51.5
54	58.0	43.8	65.6

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Supervised By :mohammad ahmed 07/26/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

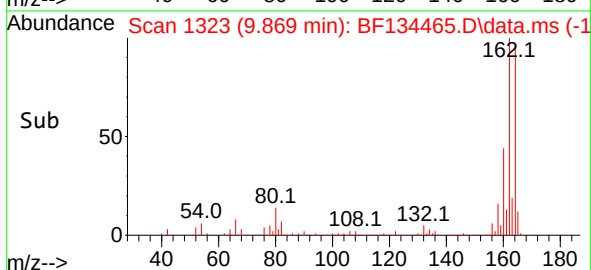
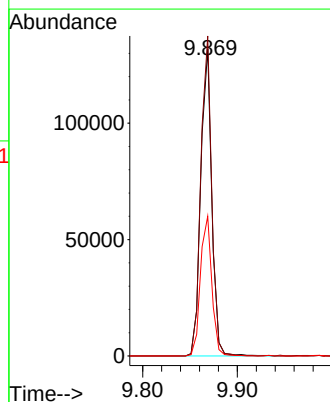
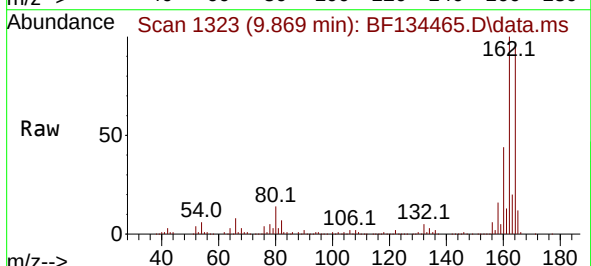
RT: 9.869 min Scan# 1323

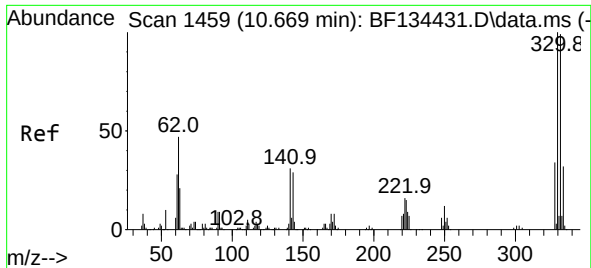
Delta R.T. -0.006 min

Lab File: BF134465.D

Acq: 25 Jul 2023 16:26

Tgt Ion:	164	Resp:	106639
Ion Ratio	Lower	Upper	
164	100		
162	104.3	82.6	123.8
160	45.5	37.2	55.8





#42
2,4,6-Tribromophenol
Concen: 28.769 ng
RT: 10.663 min Scan# 1459
Delta R.T. -0.006 min
Lab File: BF134465.D
Acq: 25 Jul 2023 16:26

Instrument :

BNA_F

ClientSampleId :

EO-01-072023

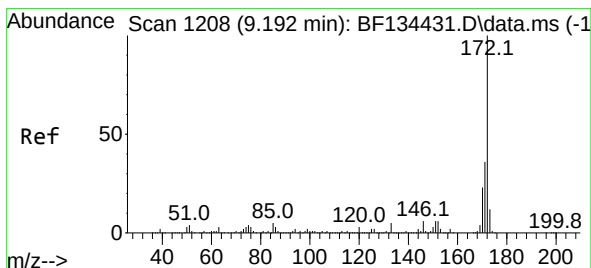
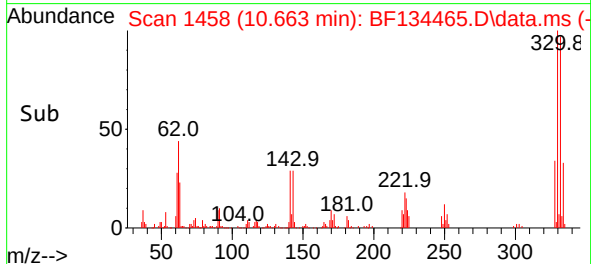
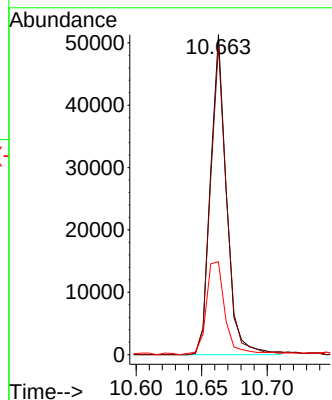
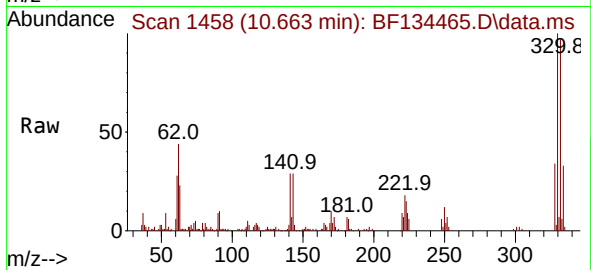
Tgt Ion:330 Resp: 43590
Ion Ratio Lower Upper
330 100
332 99.1 78.8 118.2
141 35.2 25.4 38.2

Manual Integrations

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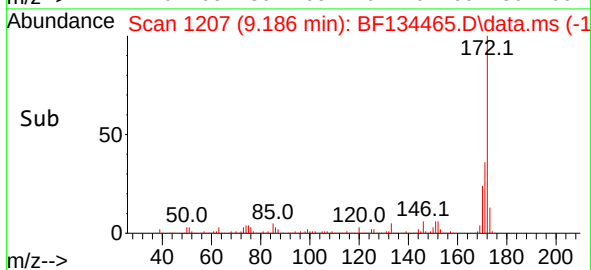
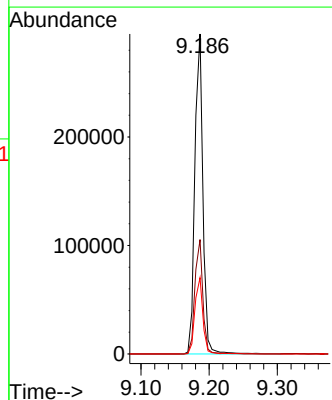
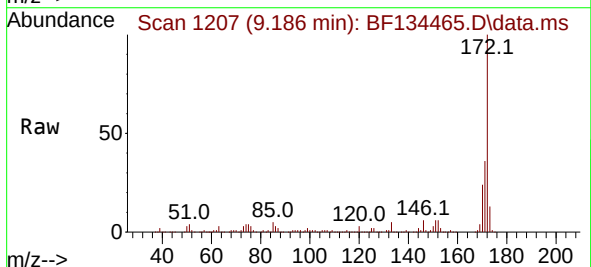
Reviewed By :Yogesh Patel 07/26/2023

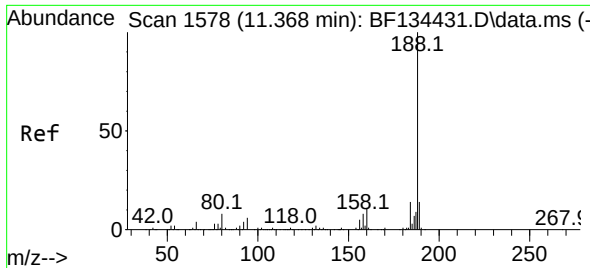
Supervised By :mohammad ahmed 07/26/2023



#45
2-Fluorobiphenyl
Concen: 29.544 ng
RT: 9.186 min Scan# 1207
Delta R.T. -0.006 min
Lab File: BF134465.D
Acq: 25 Jul 2023 16:26

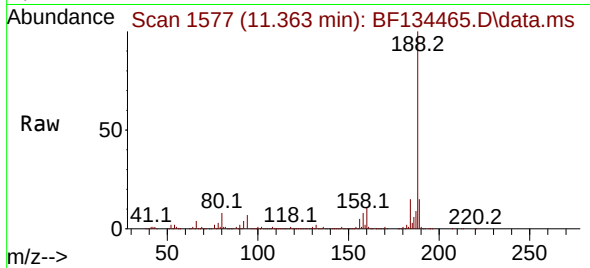
Tgt Ion:172 Resp: 239989
Ion Ratio Lower Upper
172 100
171 35.7 28.8 43.2
170 23.9 18.7 28.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134465.D
Acq: 25 Jul 2023 16:26

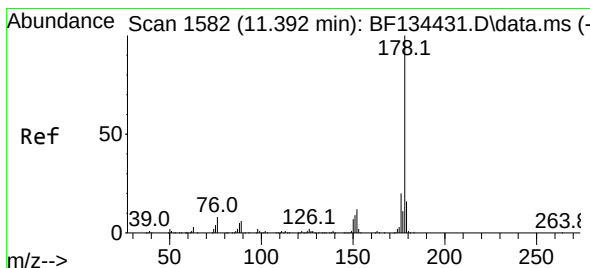
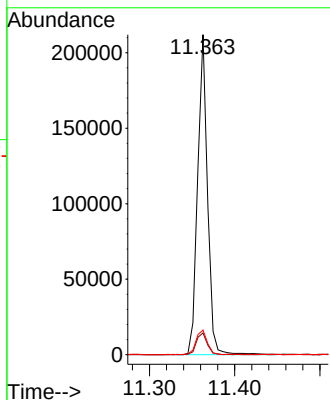
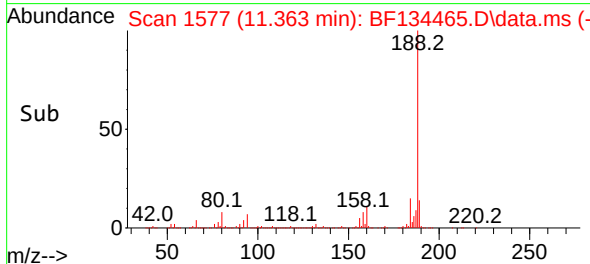
Instrument :
BNA_F
ClientSampleId :
EO-01-072023



Tgt Ion:188 Resp: 170810
Ion Ratio Lower Upper
188 100
94 6.8 5.1 7.7
80 7.7 6.6 9.8

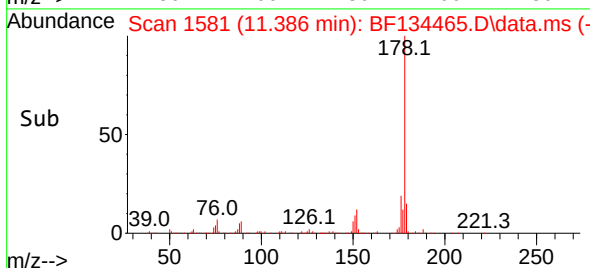
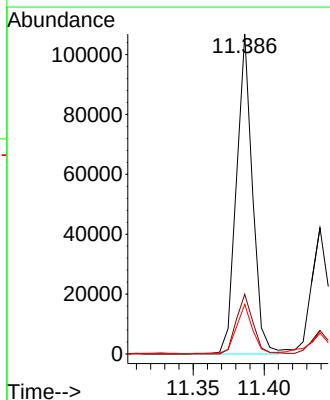
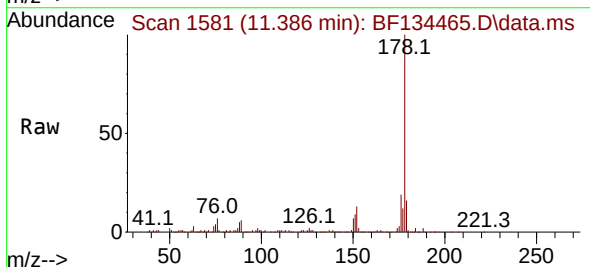
Manual Integrations
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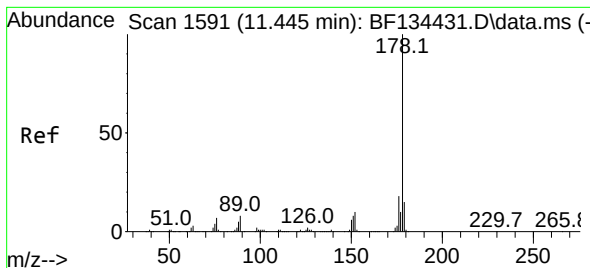
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/26/2023



#71
Phenanthrene
Concen: 9.416 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF134465.D
Acq: 25 Jul 2023 16:26

Tgt Ion:178 Resp: 84037
Ion Ratio Lower Upper
178 100
176 18.6 15.8 23.6
179 15.6 12.7 19.1





#72

Anthracene

Concen: 4.041 ng

RT: 11.439 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF134465.D

Acq: 25 Jul 2023 16:26

Instrument :

BNA_F

ClientSampleId :

EO-01-072023

Tgt Ion:178 Resp: 3722

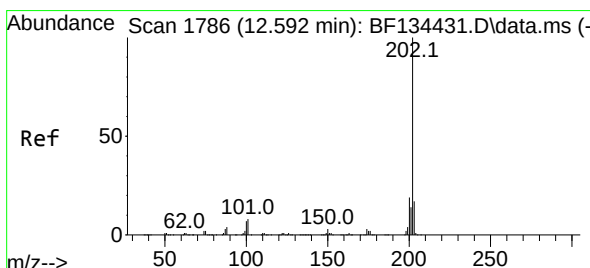
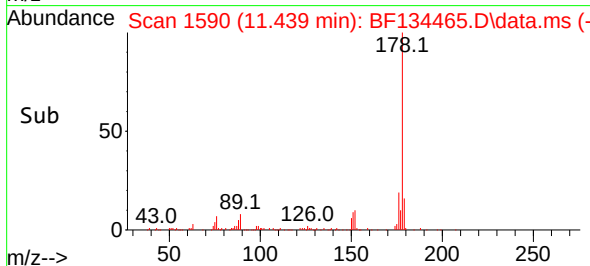
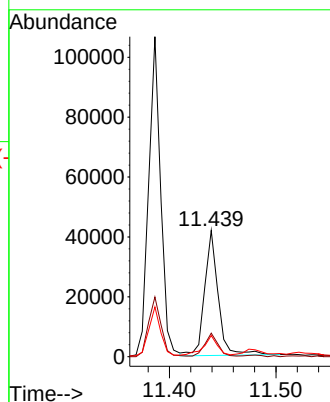
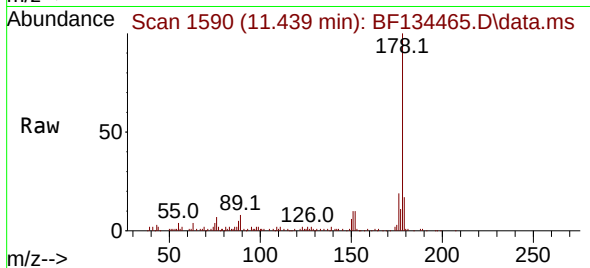
Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.6	21.8
179	16.7	12.3	18.5

Manual Integrations

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Supervised By :mohammad ahmed 07/26/2023



#75

Fluoranthene

Concen: 24.886 ng

RT: 12.586 min Scan# 1785

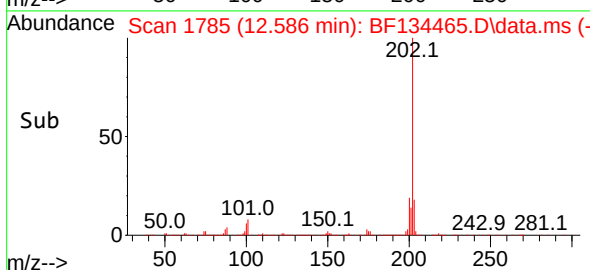
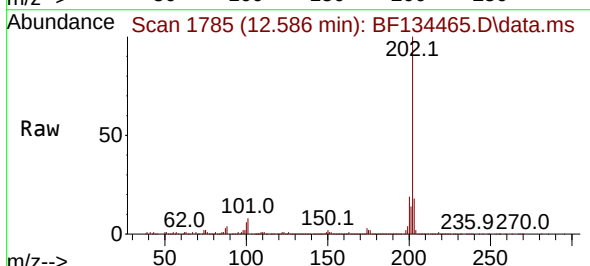
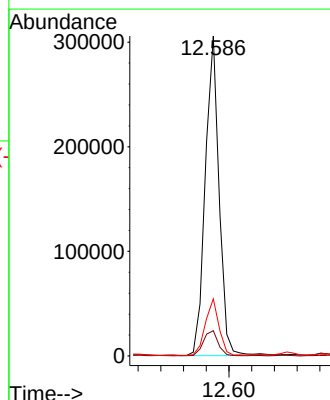
Delta R.T. -0.006 min

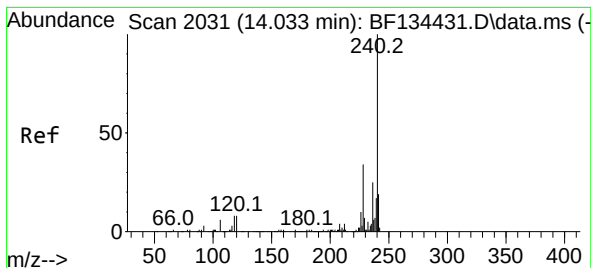
Lab File: BF134465.D

Acq: 25 Jul 2023 16:26

Tgt Ion:202 Resp: 258838

Ion	Ratio	Lower	Upper
202	100		
101	7.9	0.0	28.5
203	17.8	0.0	37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.027 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF134465.D

Acq: 25 Jul 2023 16:26

Instrument :

BNA_F

ClientSampleId :

EO-01-072023

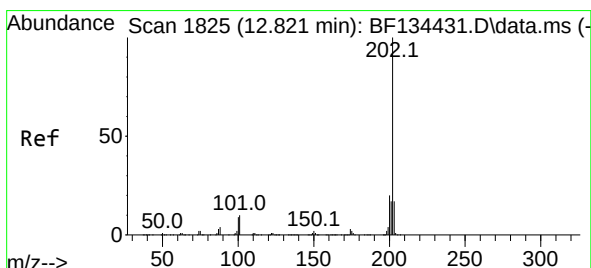
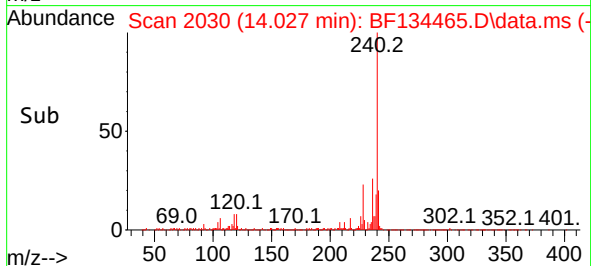
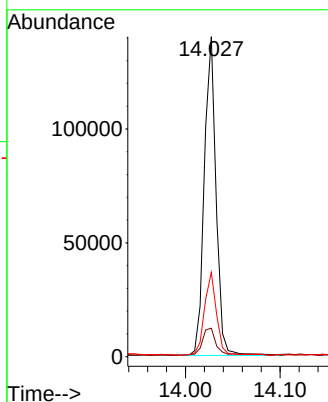
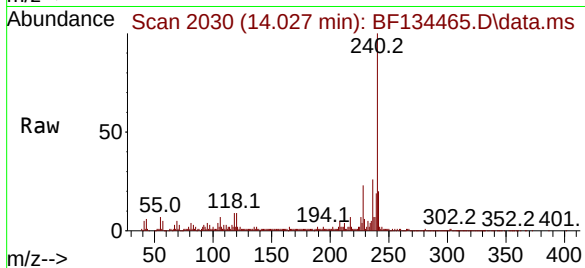
Tgt Ion:240 Resp: 120249
 Ion Ratio Lower Upper
 240 100
 120 8.9 6.6 10.0
 236 26.4 20.2 30.2

Manual Integrations

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Reviewed By :Yogesh Patel 07/26/2023

Supervised By :mohammad ahmed 07/26/2023



#78

Pyrene

Concen: 24.853 ng

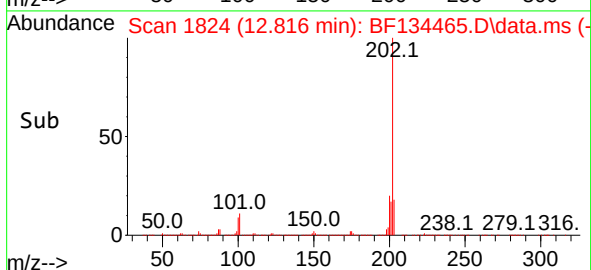
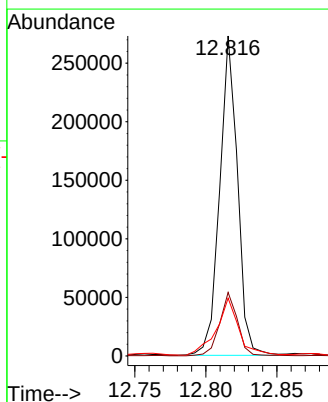
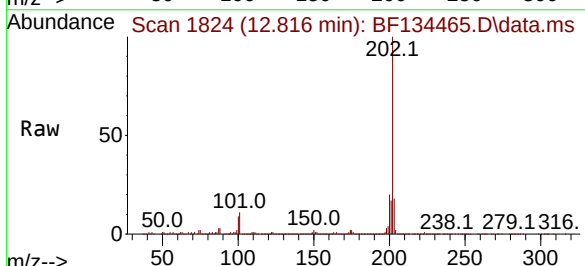
RT: 12.816 min Scan# 1824

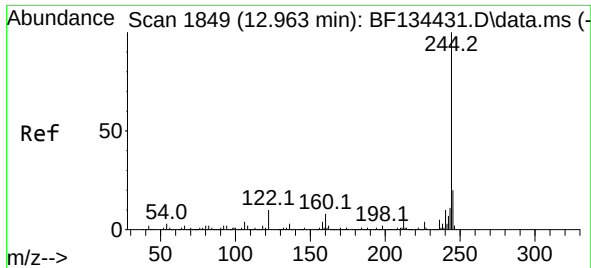
Delta R.T. -0.006 min

Lab File: BF134465.D

Acq: 25 Jul 2023 16:26

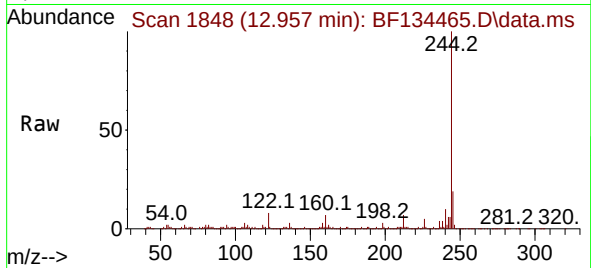
Tgt Ion:202 Resp: 237628
 Ion Ratio Lower Upper
 202 100
 200 19.8 15.8 23.8
 203 18.0 13.5 20.3





#79
 Terphenyl-d14
 Concen: 29.988 ng
 RT: 12.957 min Scan# 1848
 Delta R.T. -0.006 min
 Lab File: BF134465.D
 Acq: 25 Jul 2023 16:26

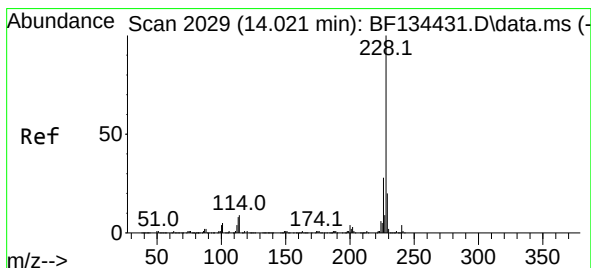
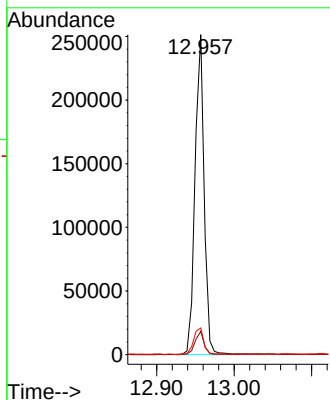
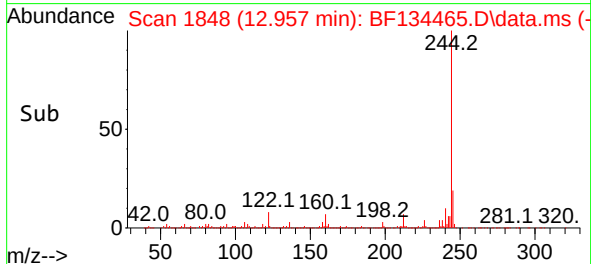
Instrument :
 BNA_F
 ClientSampleId :
 EO-01-072023



Tgt Ion:244 Resp: 20657
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.6 8.4
 122 8.3 8.0 12.0

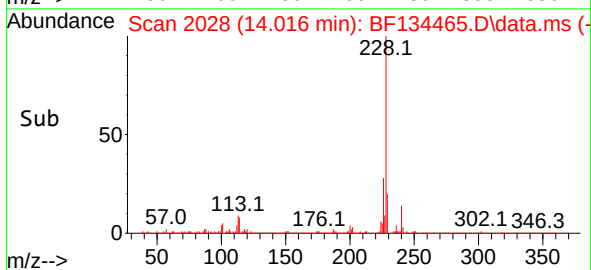
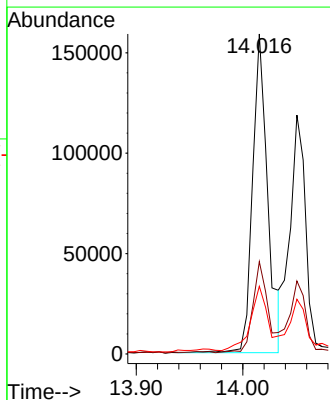
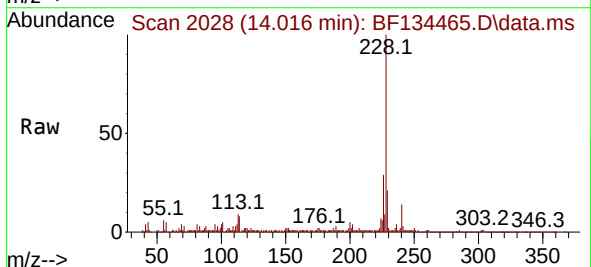
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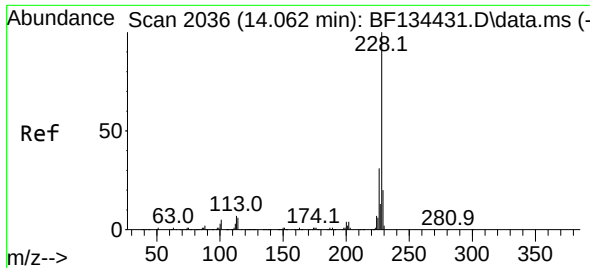
Reviewed By :Yogesh Patel 07/26/2023
 Supervised By :mohammad ahmed 07/26/2023



#81
 Benzo(a)anthracene
 Concen: 18.650 ng
 RT: 14.016 min Scan# 2028
 Delta R.T. -0.006 min
 Lab File: BF134465.D
 Acq: 25 Jul 2023 16:26

Tgt Ion:228 Resp: 156463
 Ion Ratio Lower Upper
 228 100
 226 28.9 22.3 33.5
 229 21.1 15.8 23.6





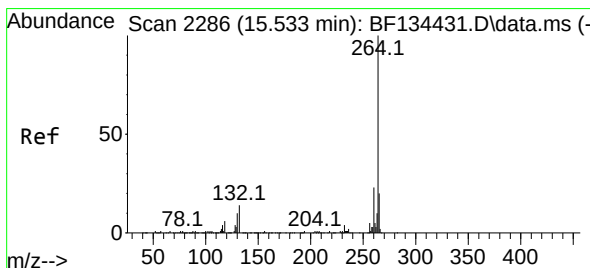
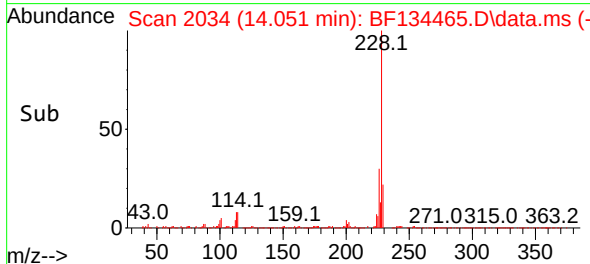
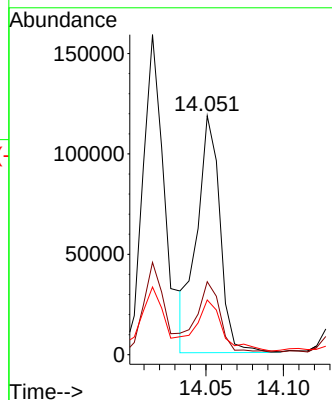
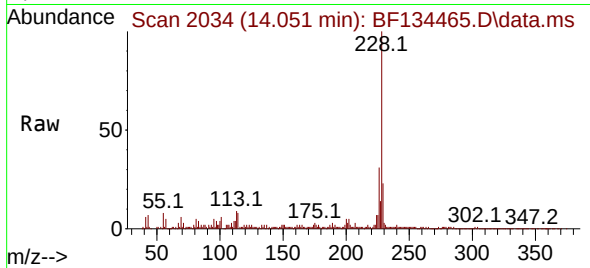
#83
Chrysene
Concen: 15.251 ng
RT: 14.051 min Scan# 2036
Delta R.T. -0.012 min
Lab File: BF134465.D
Acq: 25 Jul 2023 16:26

Instrument :
BNA_F
ClientSampleId :
EO-01-072023

Tgt Ion:228 Resp: 122385
Ion Ratio Lower Upper
228 100
226 30.6 24.5 36.7
229 22.9 15.8 23.8

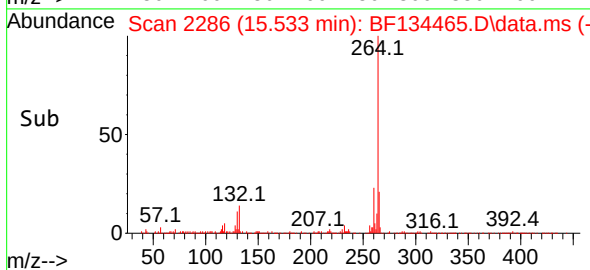
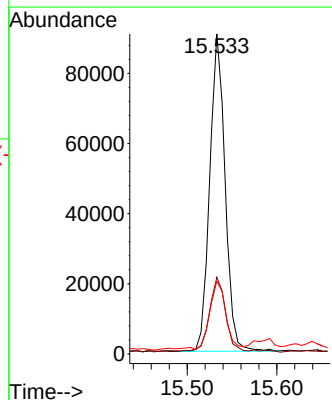
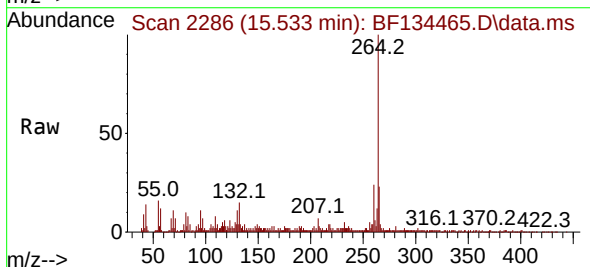
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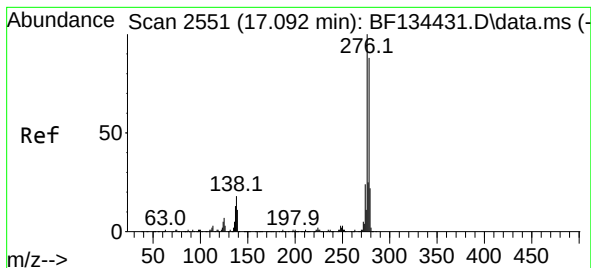
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/26/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2286
Delta R.T. 0.000 min
Lab File: BF134465.D
Acq: 25 Jul 2023 16:26

Tgt Ion:264 Resp: 107468
Ion Ratio Lower Upper
264 100
260 24.0 18.4 27.6
265 22.8 15.8 23.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.149 ng

RT: 17.086 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF134465.D

Acq: 25 Jul 2023 16:26

Instrument :

BNA_F

ClientSampleId :

EO-01-072023

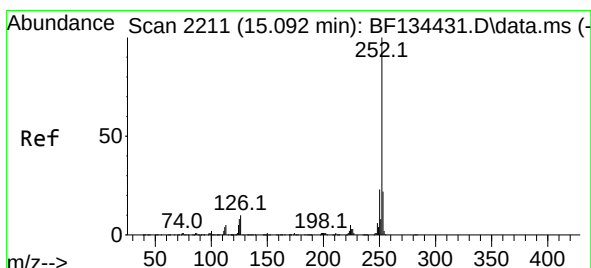
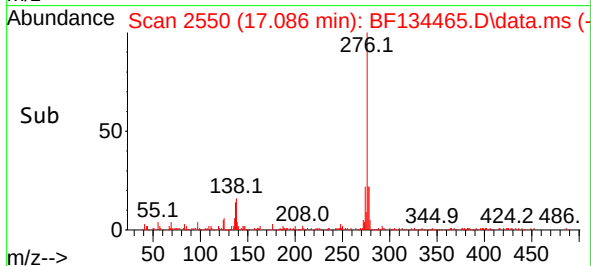
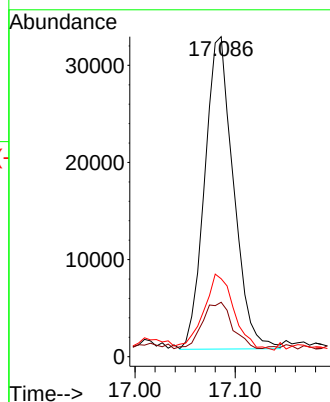
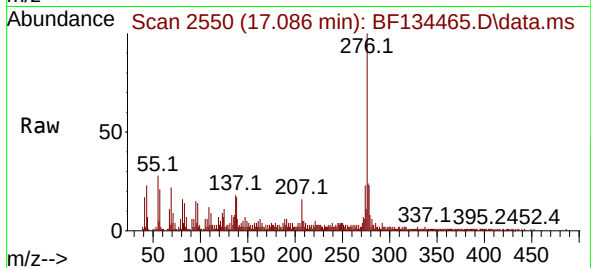
Tgt Ion:276 Resp: 64234
 Ion Ratio Lower Upper
 276 100
 138 16.2 14.2 21.4
 277 26.1 19.9 29.9

Manual Integrations

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Reviewed By :Yogesh Patel 07/26/2023

Supervised By :mohammad ahmed 07/26/2023



#88

Benzo(b)fluoranthene

Concen: 23.482 ng m

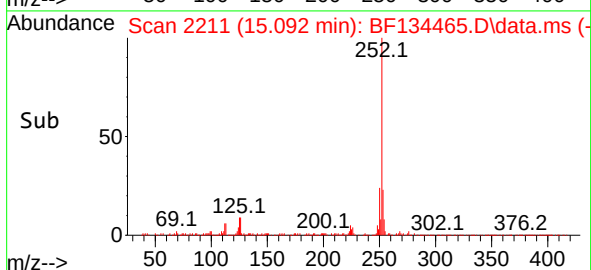
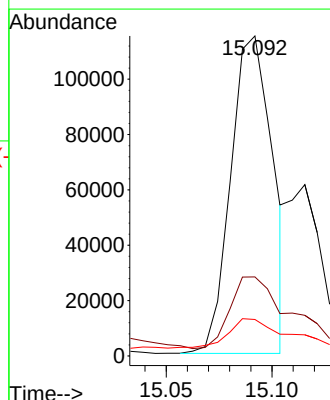
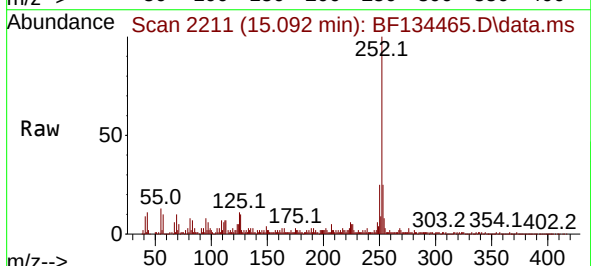
RT: 15.092 min Scan# 2211

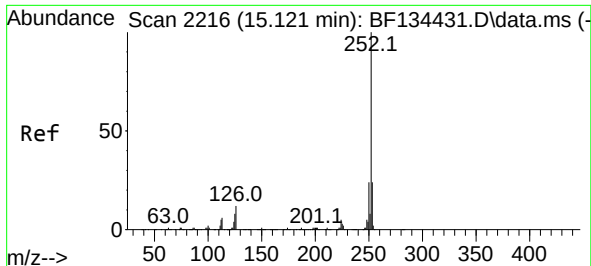
Delta R.T. 0.000 min

Lab File: BF134465.D

Acq: 25 Jul 2023 16:26

Tgt Ion:252 Resp: 157878
 Ion Ratio Lower Upper
 252 100
 253 24.7 17.3 25.9
 125 11.4 6.0 9.0#





#89
Benzo(k)fluoranthene
Concen: 9.574 ng m
RT: 15.115 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF134465.D
Acq: 25 Jul 2023 16:26

Instrument :

BNA_F

ClientSampleId :

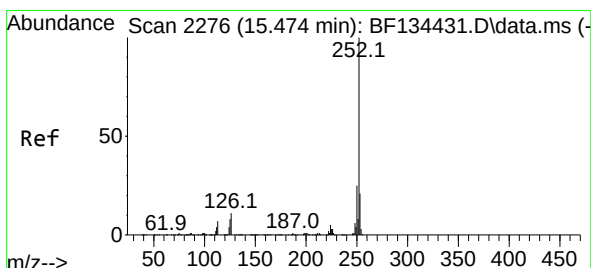
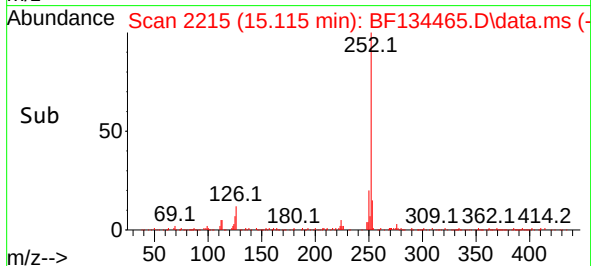
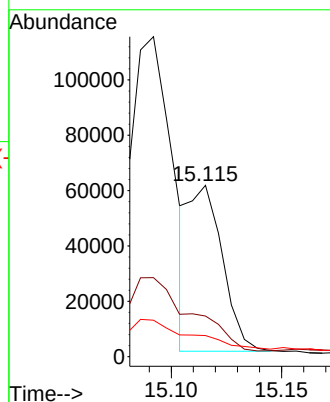
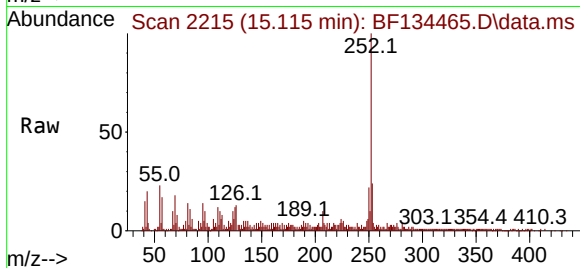
EO-01-072023

Tgt Ion:252 Resp: 63302
Ion Ratio Lower Upper
252 100
253 23.8 17.9 26.9
125 12.4 6.3 9.5

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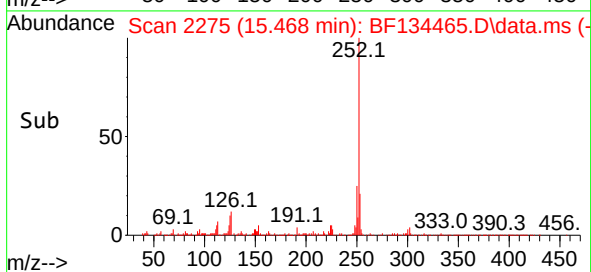
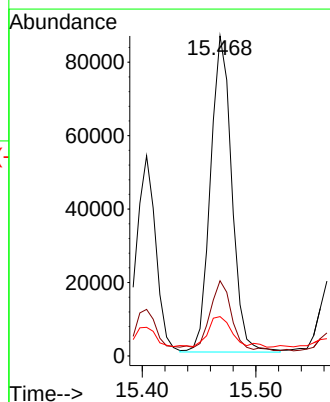
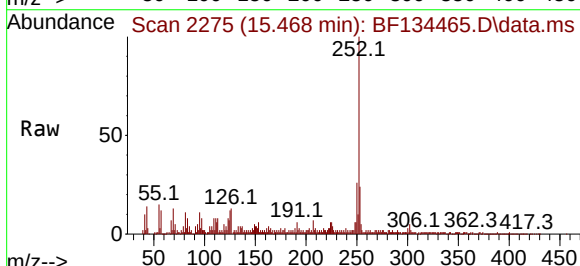
APPROVED

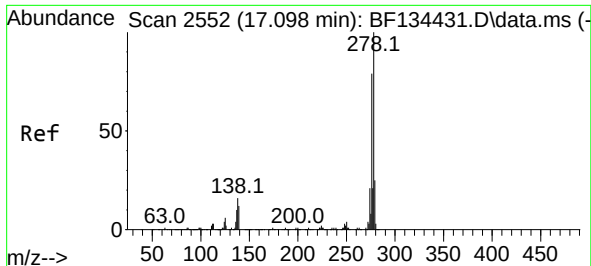
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/26/2023



#90
Benzo(a)pyrene
Concen: 18.047 ng
RT: 15.468 min Scan# 2275
Delta R.T. -0.006 min
Lab File: BF134465.D
Acq: 25 Jul 2023 16:26

Tgt Ion:252 Resp: 112153
Ion Ratio Lower Upper
252 100
253 23.5 17.0 25.4
125 12.3 6.2 9.4





#91
Dibenzo(a,h)anthracene
Concen: 3.123 ng
RT: 17.092 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF134465.D
Acq: 25 Jul 2023 16:26

Instrument :

BNA_F

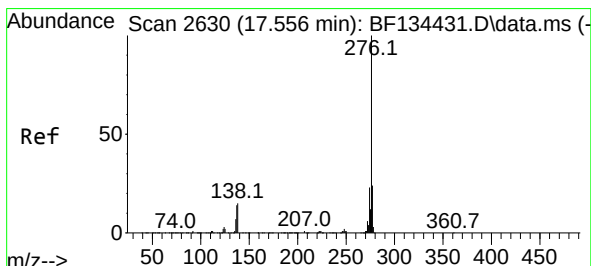
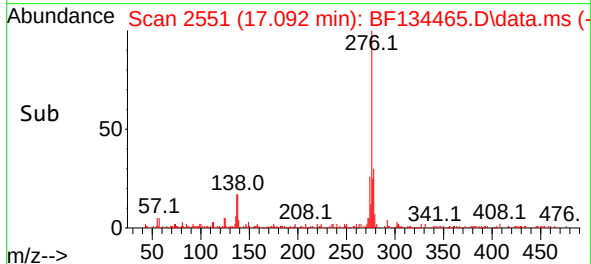
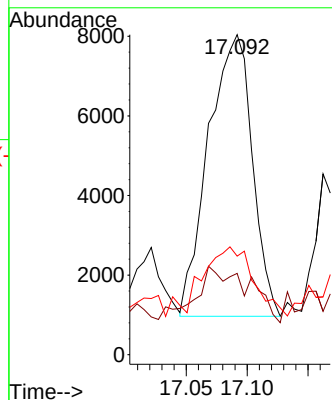
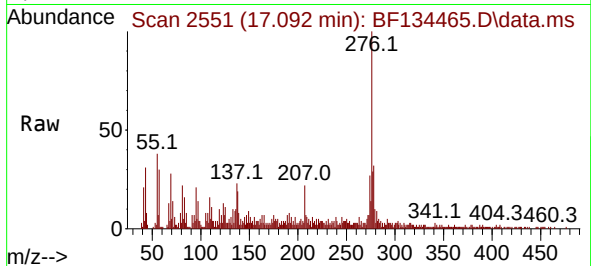
ClientSampleId :

EO-01-072023

Tgt Ion:278 Resp: 17710
Ion Ratio Lower Upper
278 100
139 25.4 10.0 15.0
279 30.8 19.7 29.5

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/26/2023



#92
Benzo(g,h,i)perylene
Concen: 9.440 ng
RT: 17.556 min Scan# 2630
Delta R.T. 0.000 min
Lab File: BF134465.D
Acq: 25 Jul 2023 16:26

Tgt Ion:276 Resp: 54959
Ion Ratio Lower Upper
276 100
277 26.4 19.0 28.6
138 12.4 12.2 18.2

