

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082123\
 Data File : BF134879.D
 Acq On : 21 Aug 2023 21:26
 Operator : CG\JU
 Sample : 04087-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-03-081823

Quant Time: Aug 22 03:24:46 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 09:29:15 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/22/2023
 Supervised By :mohammad ahmed 08/22/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	154865	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	582693	20.000	ng	#-0.01
39) Acenaphthene-d10	9.828	164	248068	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	401223	20.000	ng	# 0.00
76) Chrysene-d12	13.968	240	293494	20.000	ng	0.00
86) Perylene-d12	15.439	264	225775	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	668707	65.638	ng	0.00
7) Phenol-d6	6.428	99	829818	63.719	ng	-0.01
23) Nitrobenzene-d5	7.351	82	494563	53.041	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	175650	69.459	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	812154	54.435	ng	-0.02
79) Terphenyl-d14	12.910	244	751362	45.130	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.339	178	131351	6.163	ng	98
75) Fluoranthene	12.533	202	192911	8.569	ng	98
78) Pyrene	12.763	202	276057	10.870	ng	98
81) Benzo(a)anthracene	13.957	228	93853	4.472	ng	# 89
83) Chrysene	13.992	228	98933	4.839	ng	# 95
87) Indeno(1,2,3-cd)pyrene	16.927	276	27550	2.075	ng	# 96
88) Benzo(b)fluoranthene	15.010	252	74485m	5.409	ng	
90) Benzo(a)pyrene	15.374	252	56170	4.375	ng	# 86
92) Benzo(g,h,i)perylene	17.380	276	30342	2.772	ng	# 85

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

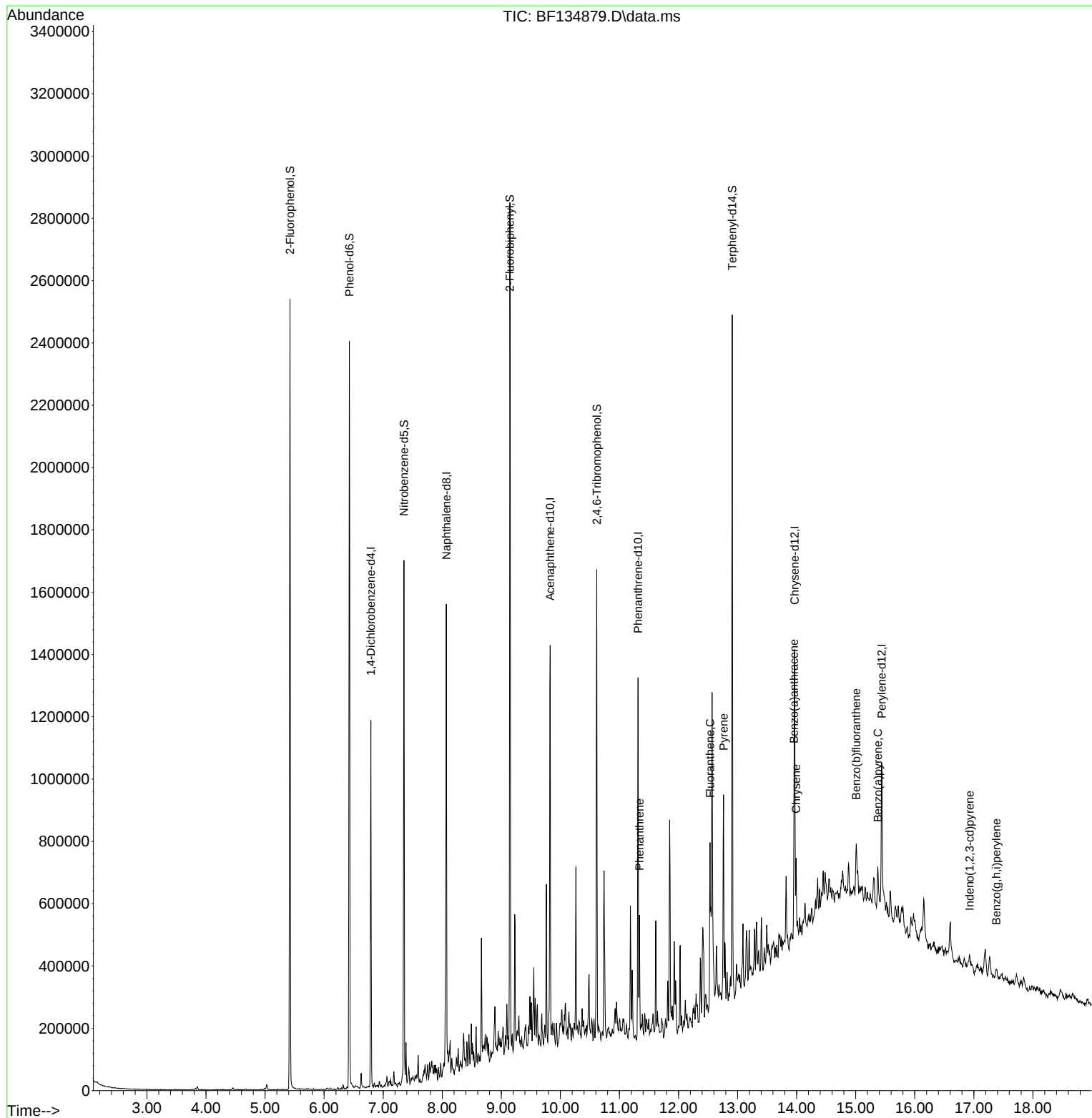
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082123\
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Misc :
ALS Vial : 21 Sample Multiplier: 1

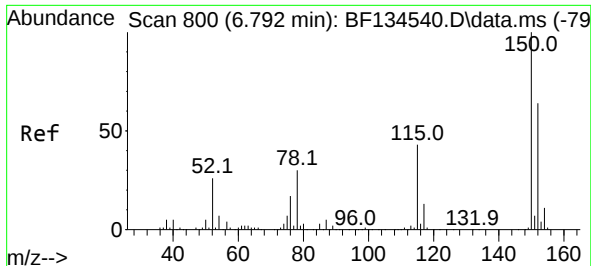
Instrument :
BNA_F
ClientSampleId :
EO-03-081823

Quant Time: Aug 22 03:24:46 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
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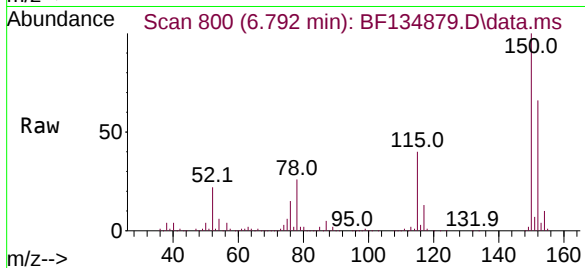
Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023





#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.792 min Scan# 800
 Delta R.T. -0.006 min
 Lab File: BF134879.D
 Acq: 21 Aug 2023 21:26

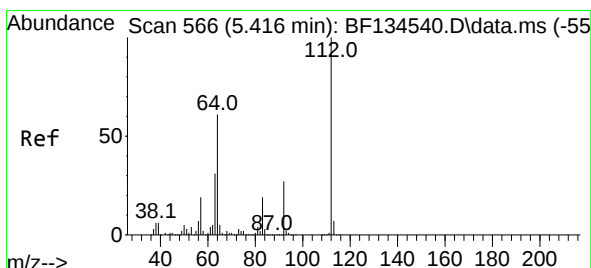
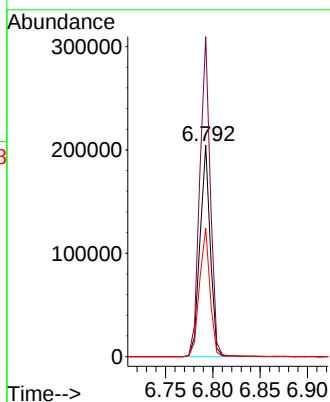
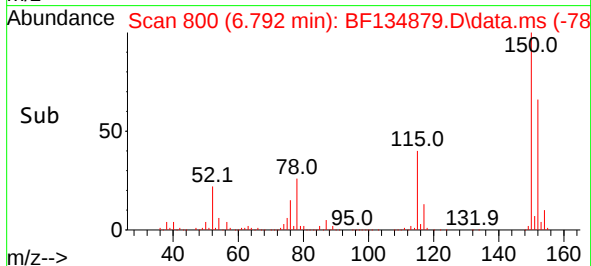
Instrument :
 BNA_F
 Client Sample Id :
 EO-03-081823



Tgt Ion:152 Resp: 154865
 Ion Ratio Lower Upper
 152 100
 150 151.5 128.3 192.5
 115 60.9 52.4 78.6

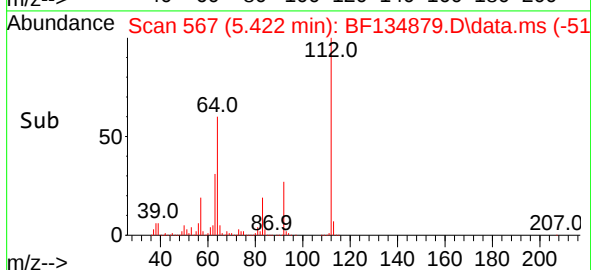
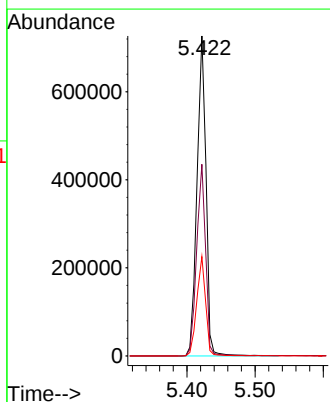
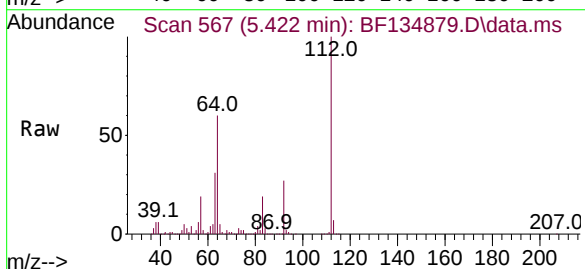
Manual Integrations
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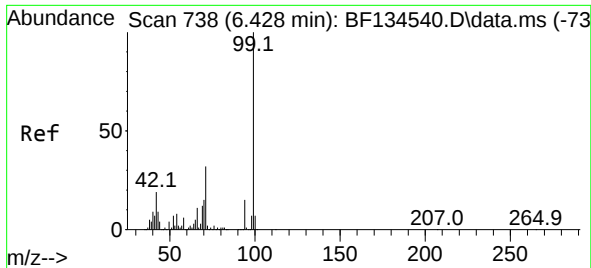
Reviewed By :Yogesh Patel 08/22/2023
 Supervised By :mohammad ahmed 08/22/2023



#5
 2-Fluorophenol
 Concen: 65.638 ng
 RT: 5.422 min Scan# 567
 Delta R.T. -0.006 min
 Lab File: BF134879.D
 Acq: 21 Aug 2023 21:26

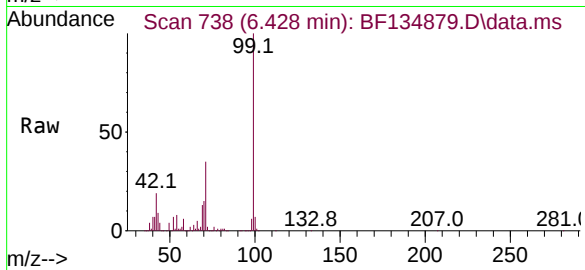
Tgt Ion:112 Resp: 668707
 Ion Ratio Lower Upper
 112 100
 64 59.9 44.9 67.3
 63 31.0 25.4 38.0





#7
Phenol-d6
Concen: 63.719 ng
RT: 6.428 min Scan# 738
Delta R.T. -0.012 min
Lab File: BF134879.D
Acq: 21 Aug 2023 21:26

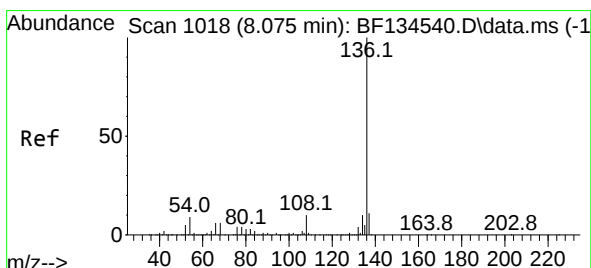
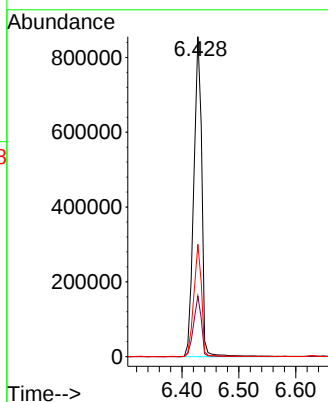
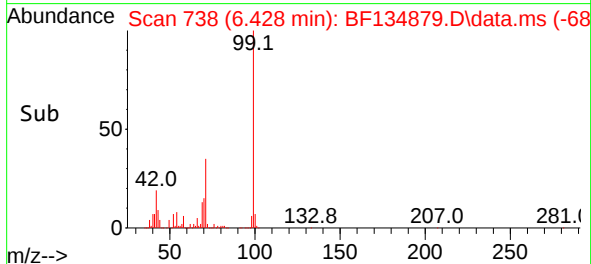
Instrument :
BNA_F
ClientSampleId :
EO-03-081823



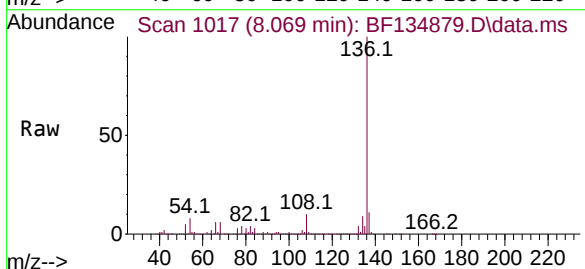
Tgt Ion: 99 Resp: 829818
Ion Ratio Lower Upper
99 100
42 19.0 18.7 28.1
71 35.1 36.4 54.6

Manual Integrations
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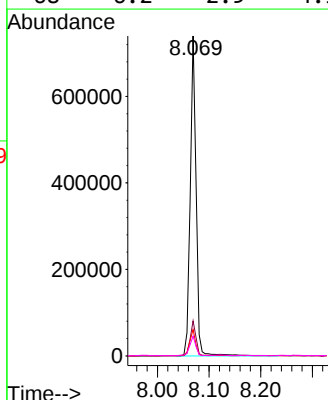
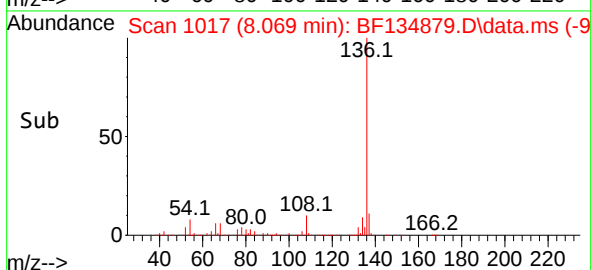
Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023

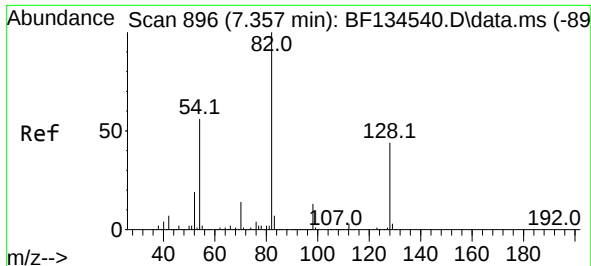


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF134879.D
Acq: 21 Aug 2023 21:26



Tgt Ion:136 Resp: 582693
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 8.2 5.2 7.8#
68 6.2 2.9 4.3#





#23

Nitrobenzene-d5

Concen: 53.041 ng

RT: 7.351 min Scan# 896

Delta R.T. -0.018 min

Lab File: BF134879.D

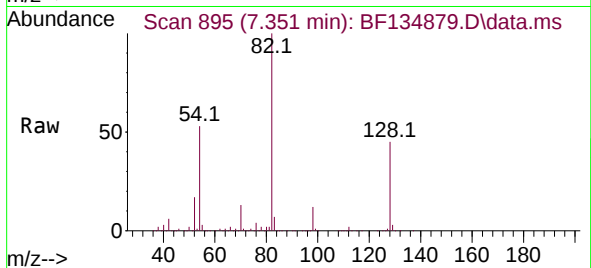
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Instrument :

BNA_F

ClientSampleId :

EO-03-081823



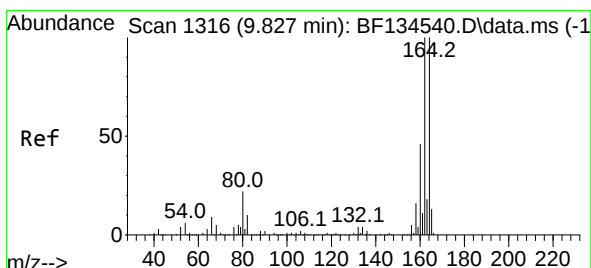
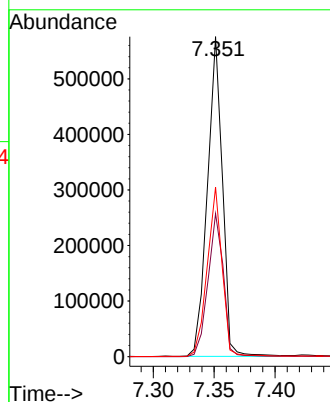
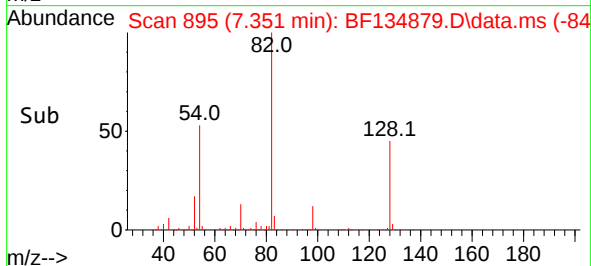
Tgt Ion:	82	Resp:	494563
Ion Ratio	Lower	Upper	
82	100		
128	44.7	34.3	51.5
54	53.0	43.8	65.6

Manual Integrations

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Reviewed By :Yogesh Patel 08/22/2023

Supervised By :mohammad ahmed 08/22/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

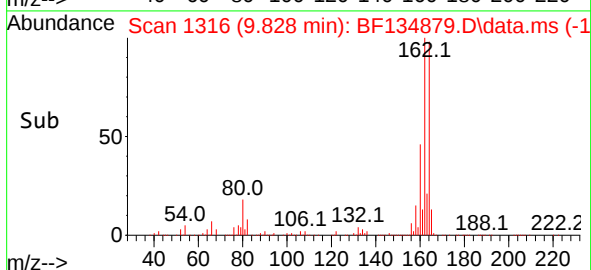
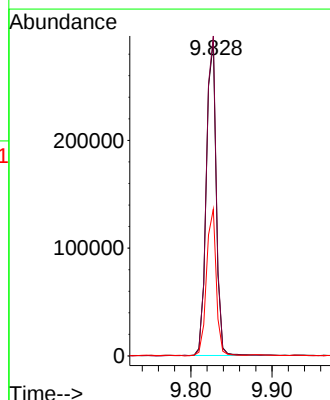
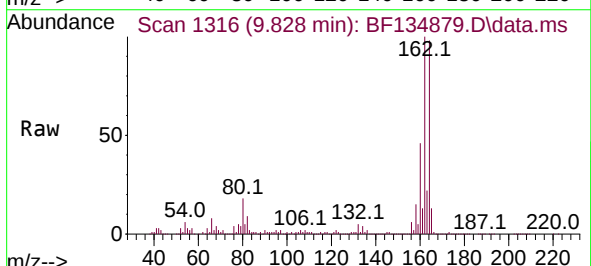
RT: 9.828 min Scan# 1316

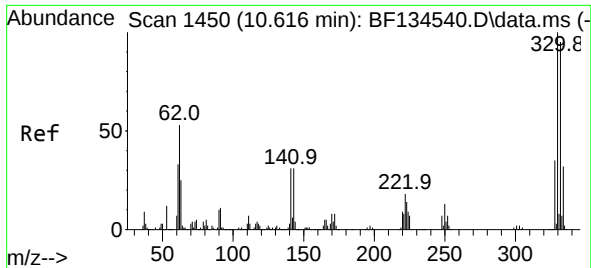
Delta R.T. -0.006 min

Lab File: BF134879.D

Acq: 21 Aug 2023 21:26

Tgt Ion:	164	Resp:	248068
Ion Ratio	Lower	Upper	
164	100		
162	102.0	82.6	123.8
160	46.7	37.2	55.8





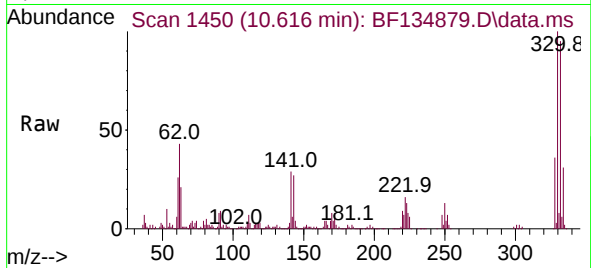
#42
2,4,6-Tribromophenol
Concen: 69.459 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF134879.D
Acq: 21 Aug 2023 21:26

Instrument :

BNA_F

ClientSampleId :

EO-03-081823



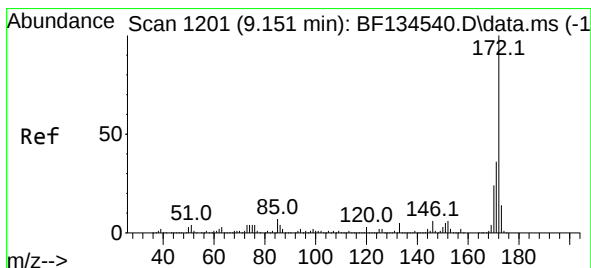
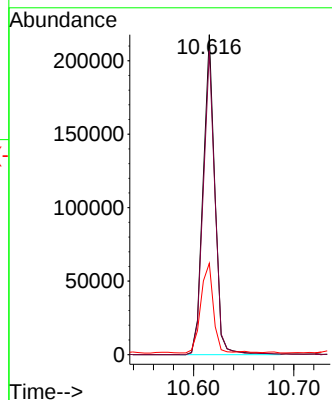
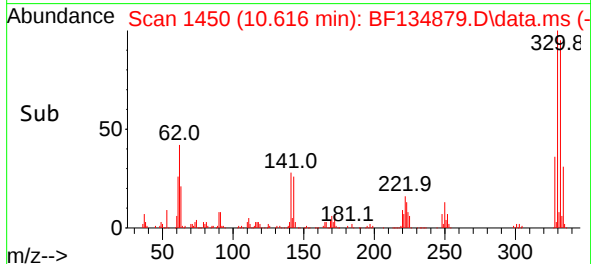
Tgt Ion: 330 Resp: 175650
Ion Ratio Lower Upper
330 100
332 95.9 78.8 118.2
141 29.8 25.4 38.2

Manual Integrations

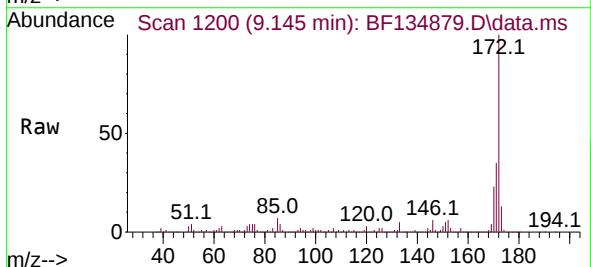
APPROVED

Reviewed By : Yogesh Patel 08/22/2023

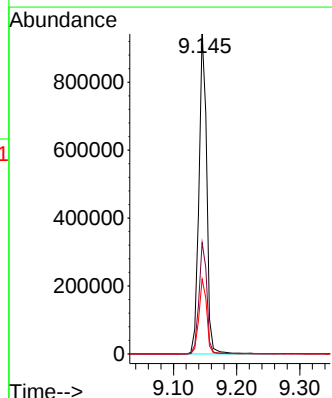
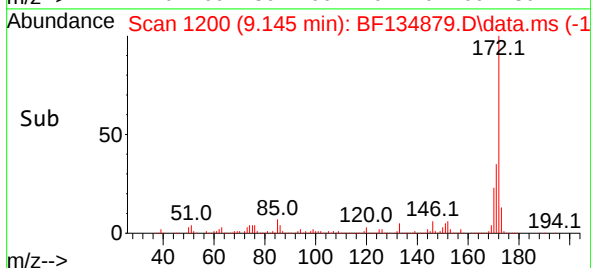
Supervised By : mohammad ahmed 08/22/2023

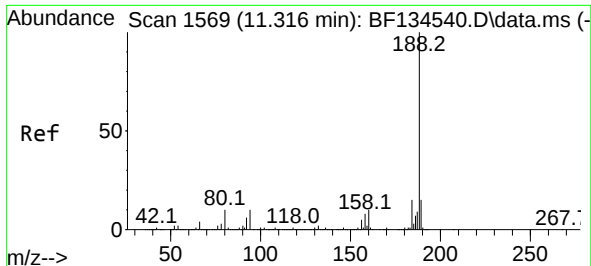


#45
2-Fluorobiphenyl
Concen: 54.435 ng
RT: 9.145 min Scan# 1200
Delta R.T. -0.018 min
Lab File: BF134879.D
Acq: 21 Aug 2023 21:26



Tgt Ion: 172 Resp: 812154
Ion Ratio Lower Upper
172 100
171 34.8 28.8 43.2
170 23.4 18.7 28.1





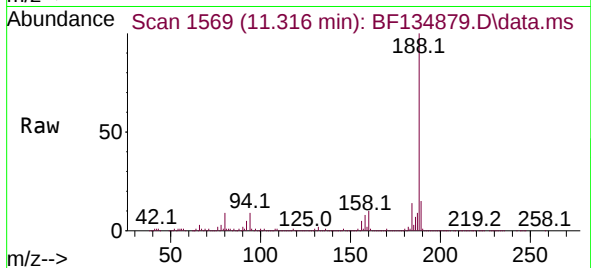
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF134879.D
Acq: 21 Aug 2023 21:26

Instrument :

BNA_F

ClientSampleId :

EO-03-081823

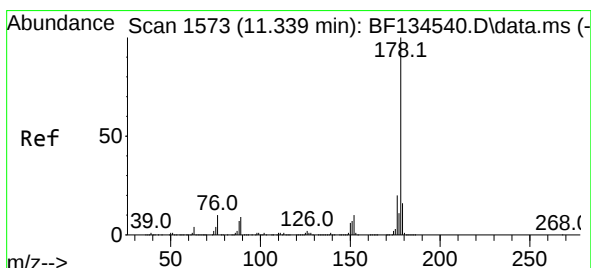
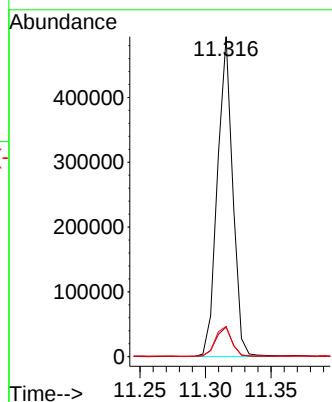
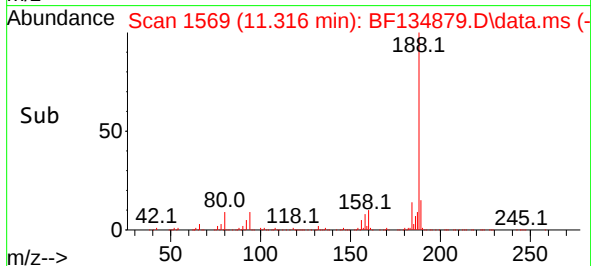


Tgt Ion:188 Resp: 401223
Ion Ratio Lower Upper
188 100
94 9.2 5.1 7.7
80 9.4 6.6 9.8

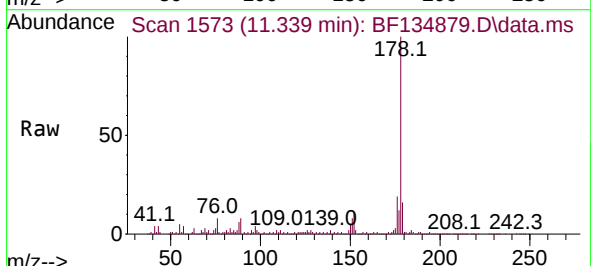
Manual Integrations

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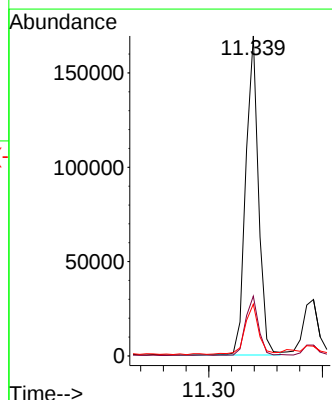
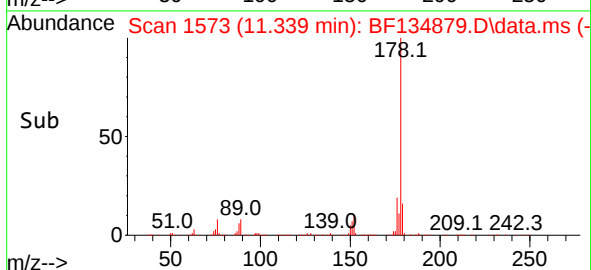
Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023

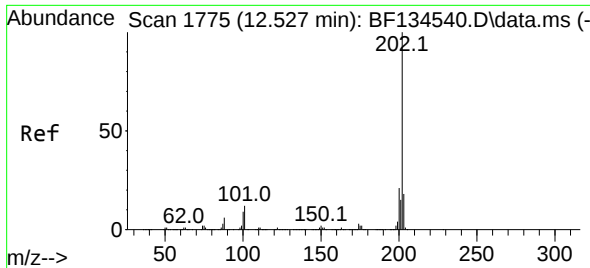


#71
Phenanthrene
Concen: 6.163 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF134879.D
Acq: 21 Aug 2023 21:26



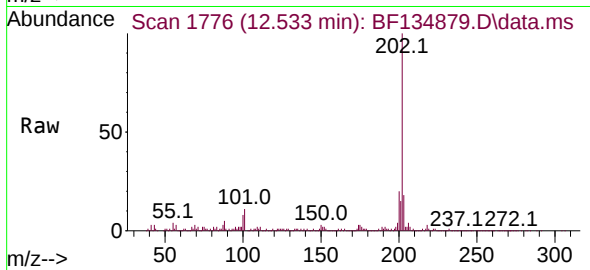
Tgt Ion:178 Resp: 131351
Ion Ratio Lower Upper
178 100
176 18.7 15.8 23.6
179 16.2 12.7 19.1





#75
Fluoranthene
Concen: 8.569 ng
RT: 12.533 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134879.D
Acq: 21 Aug 2023 21:26

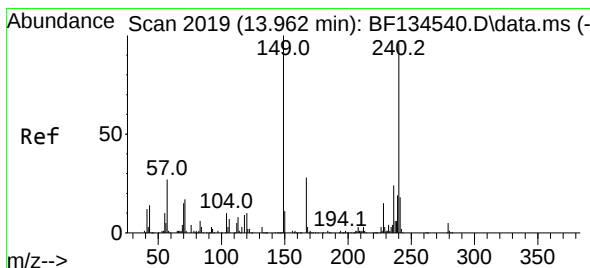
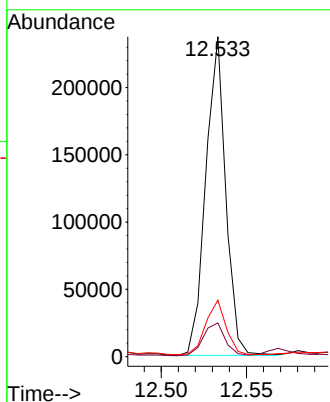
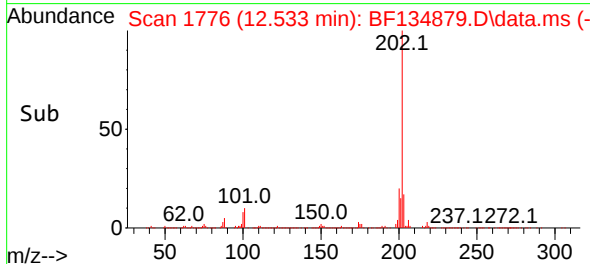
Instrument :
BNA_F
ClientSampleId :
EO-03-081823



Tgt Ion:202 Resp: 192911
Ion Ratio Lower Upper
202 100
101 10.5 0.0 28.5
203 17.6 0.0 37.5

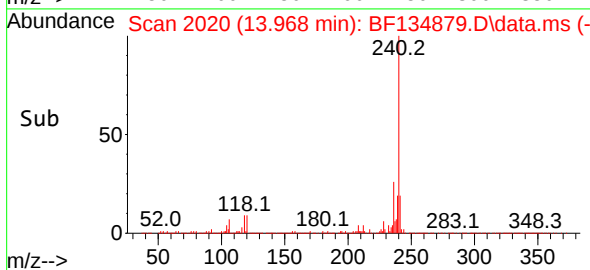
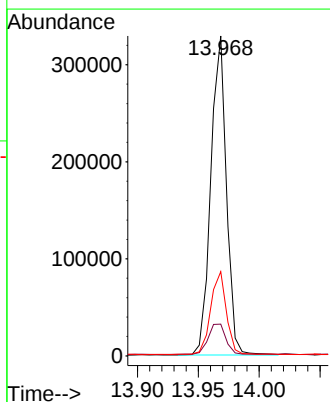
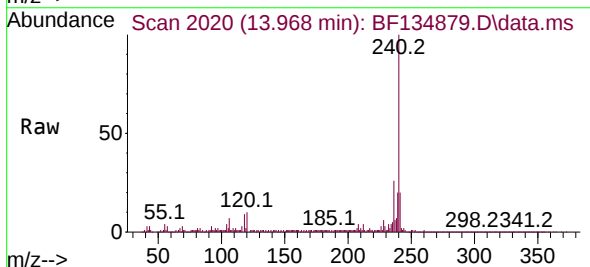
Manual Integrations
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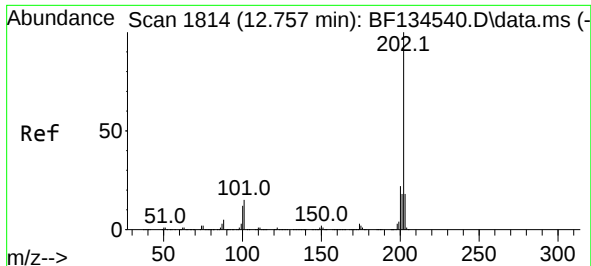
Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF134879.D
Acq: 21 Aug 2023 21:26

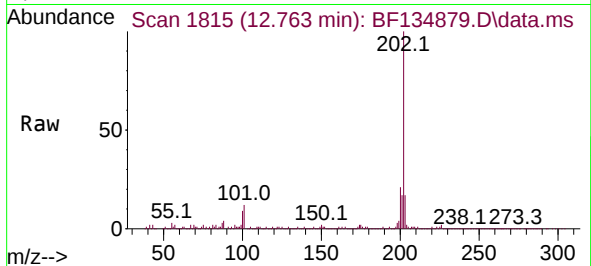
Tgt Ion:240 Resp: 293494
Ion Ratio Lower Upper
240 100
120 9.9 6.6 10.0
236 26.4 20.2 30.2





#78
Pyrene
Concen: 10.870 ng
RT: 12.763 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF134879.D
Acq: 21 Aug 2023 21:26

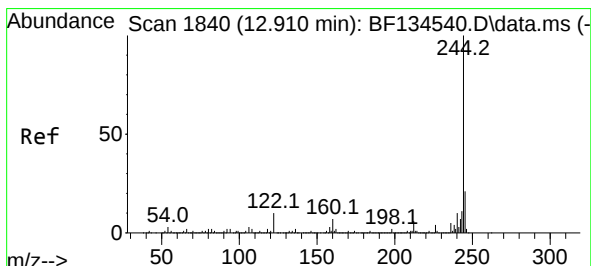
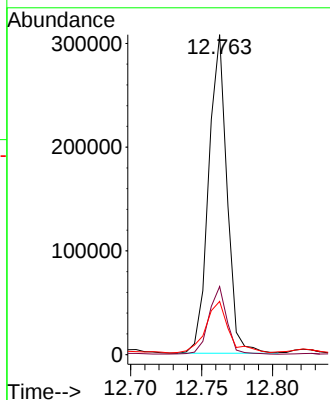
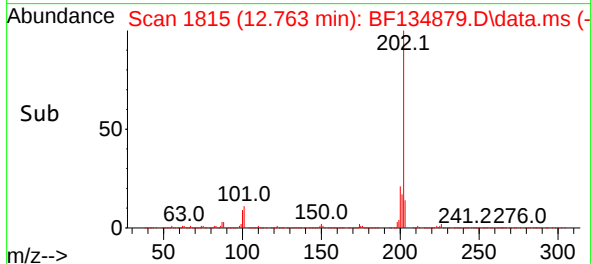
Instrument :
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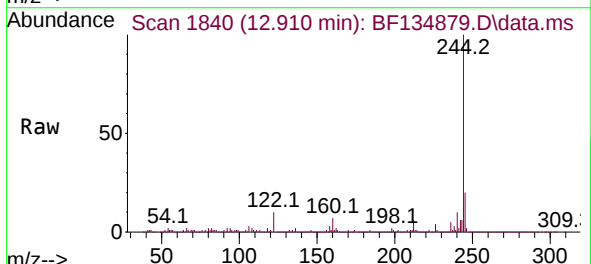
Tgt Ion:202 Resp: 276052
Ion Ratio Lower Upper
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200 21.3 15.8 23.8
203 16.6 13.5 20.3

Manual Integrations
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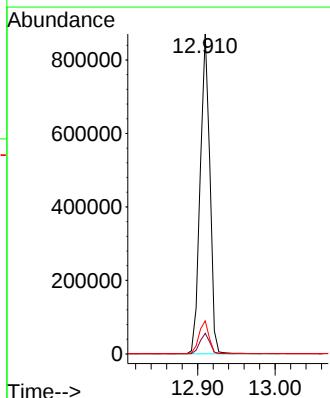
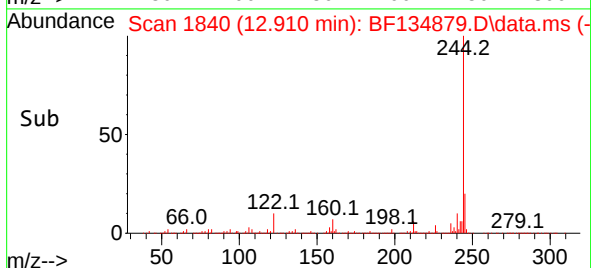
Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023

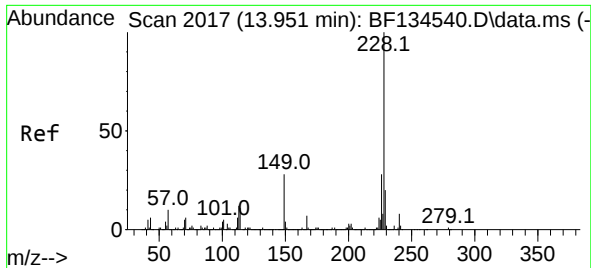


#79
Terphenyl-d14
Concen: 45.130 ng
RT: 12.910 min Scan# 1840
Delta R.T. -0.012 min
Lab File: BF134879.D
Acq: 21 Aug 2023 21:26



Tgt Ion:244 Resp: 751362
Ion Ratio Lower Upper
244 100
212 6.4 5.6 8.4
122 10.3 8.0 12.0





#81
Benzo(a)anthracene
Concen: 4.472 ng
RT: 13.957 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF134879.D
Acq: 21 Aug 2023 21:26

Instrument :

BNA_F

ClientSampleId :

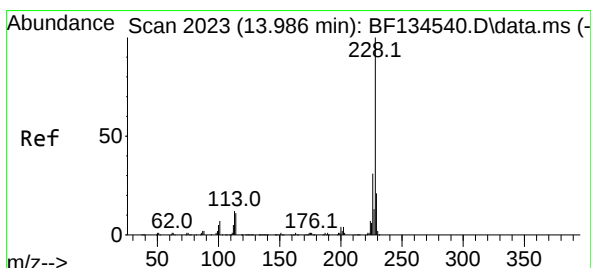
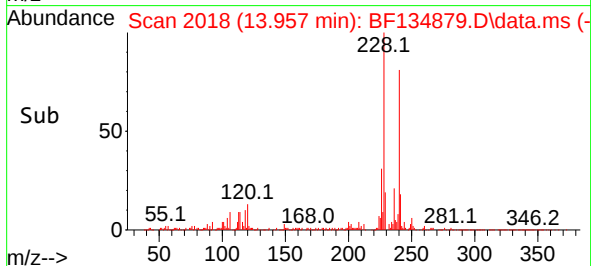
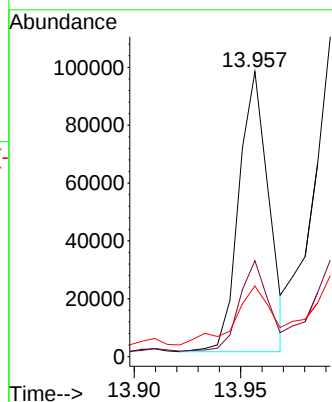
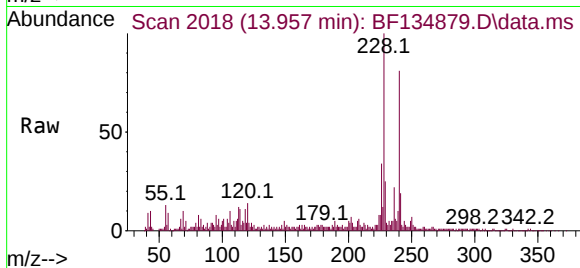
EO-03-081823

Tgt Ion:228 Resp: 9385
Ion Ratio Lower Upper
228 100
226 33.7 22.3 33.5
229 24.8 15.8 23.6

Manual Integrations

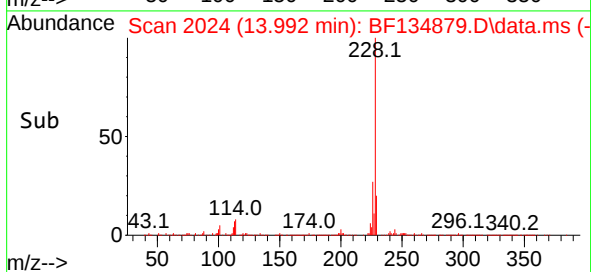
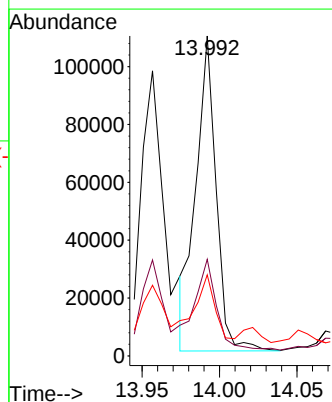
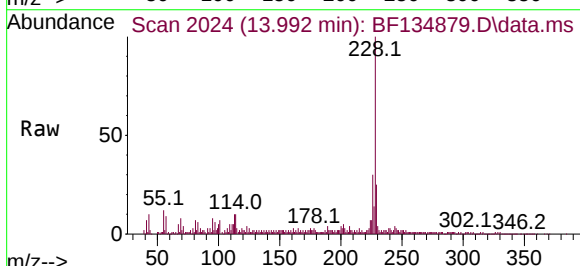
APPROVED

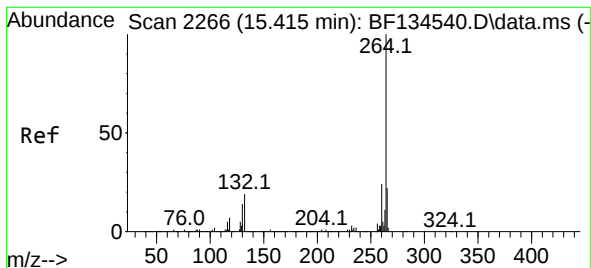
Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023



#83
Chrysene
Concen: 4.839 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF134879.D
Acq: 21 Aug 2023 21:26

Tgt Ion:228 Resp: 98933
Ion Ratio Lower Upper
228 100
226 30.2 24.5 36.7
229 25.3 15.8 23.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.439 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF134879.D

Acq: 21 Aug 2023 21:26

Instrument :

BNA_F

ClientSampleId :

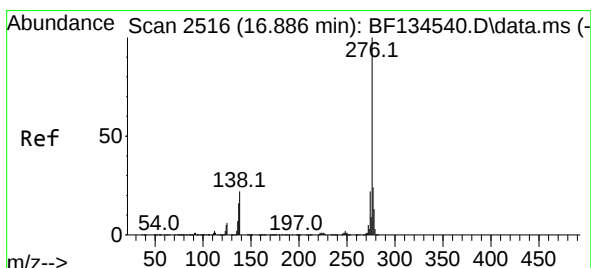
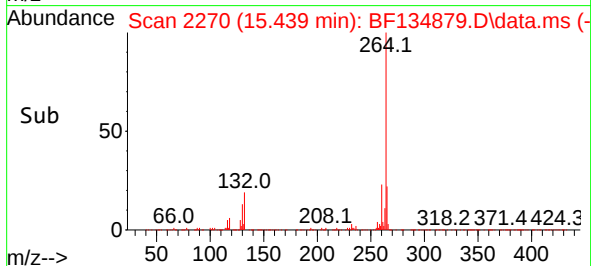
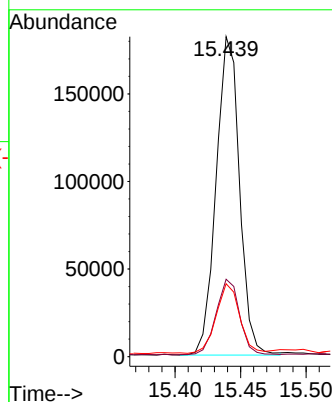
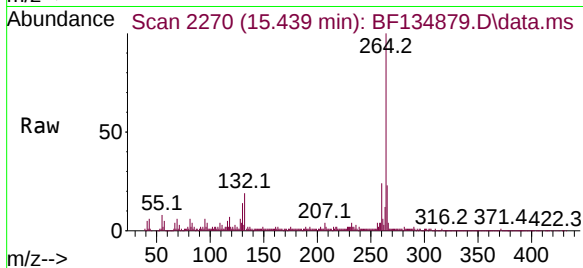
EO-03-081823

Tgt Ion:	264	Resp:	225775
Ion Ratio	Lower	Upper	
264	100		
260	24.2	18.4	27.6
265	22.8	15.8	23.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.075 ng

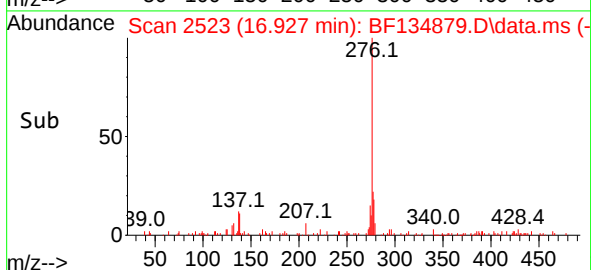
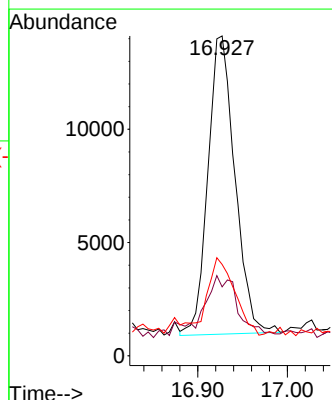
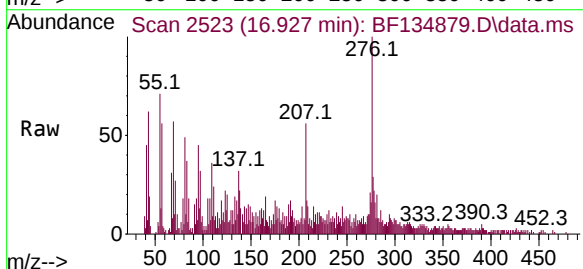
RT: 16.927 min Scan# 2523

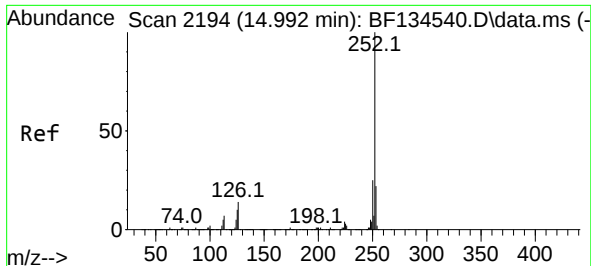
Delta R.T. 0.000 min

Lab File: BF134879.D

Acq: 21 Aug 2023 21:26

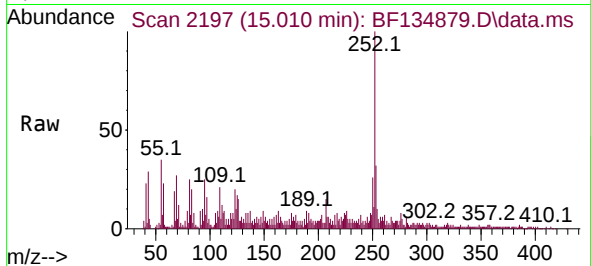
Tgt Ion:	276	Resp:	27550
Ion Ratio	Lower	Upper	
276	100		
138	21.9	14.2	21.4
277	25.2	19.9	29.9





#88
Benzo(b)fluoranthene
Concen: 5.409 ng m
RT: 15.010 min Scan# 2194
Delta R.T. 0.000 min
Lab File: BF134879.D
Acq: 21 Aug 2023 21:26

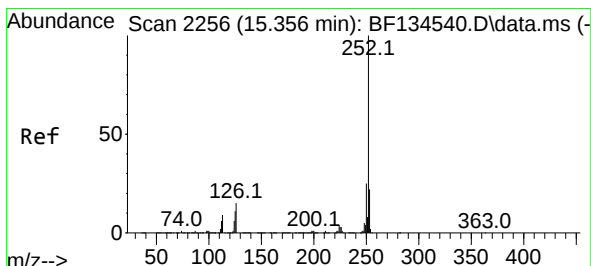
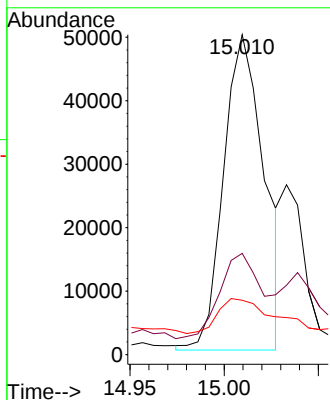
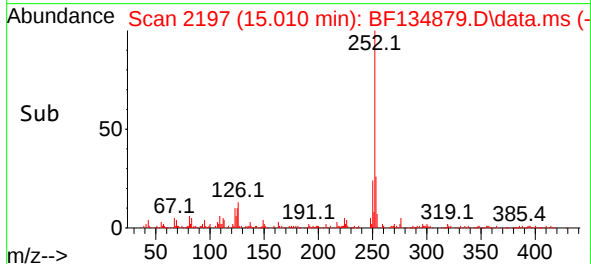
Instrument :
BNA_F
ClientSampleId :
EO-03-081823



Tgt Ion:252 Resp: 74485
Ion Ratio Lower Upper
252 100
253 31.6 17.3 25.9#
125 17.0 6.0 9.0#

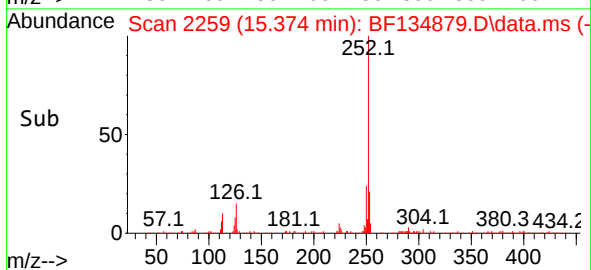
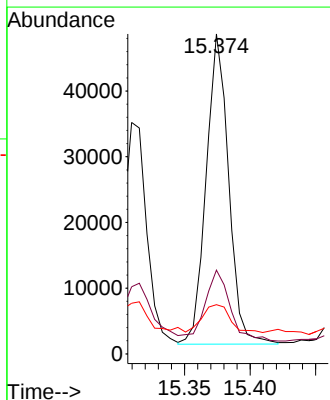
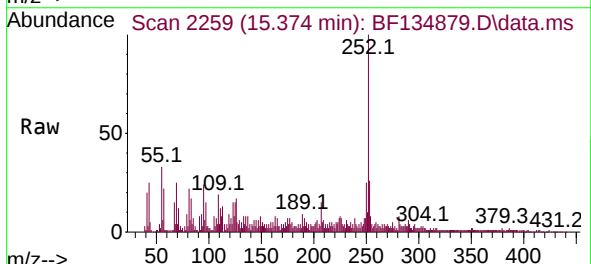
Manual Integrations
APPROVED

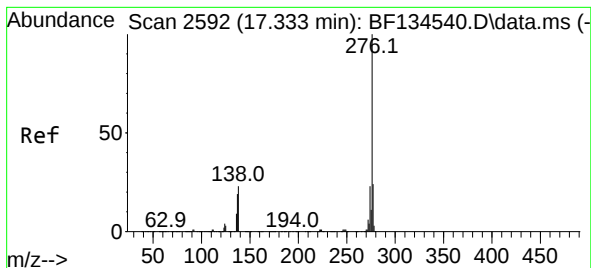
Reviewed By :Yogesh Patel 08/22/2023
Supervised By :mohammad ahmed 08/22/2023



#90
Benzo(a)pyrene
Concen: 4.375 ng
RT: 15.374 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BF134879.D
Acq: 21 Aug 2023 21:26

Tgt Ion:252 Resp: 56170
Ion Ratio Lower Upper
252 100
253 26.2 17.0 25.4#
125 15.4 6.2 9.4#





#92

Benzo(g,h,i)perylene

Concen: 2.772 ng

RT: 17.380 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF134879.D

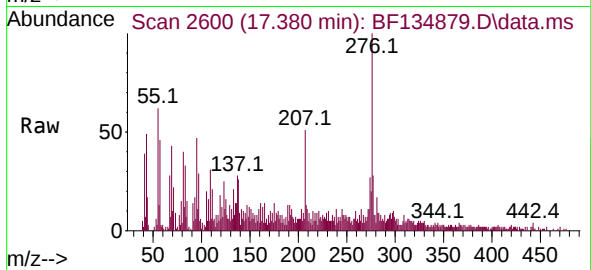
Acq: 21 Aug 2023 21:26

Instrument :

BNA_F

ClientSampleId :

EO-03-081823



Tgt Ion:	276	Resp:	30342
Ion Ratio	Lower	Upper	
276	100		
277	27.9	19.0	28.6
138	25.9	12.2	18.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/22/2023

Supervised By :mohammad ahmed 08/22/2023

