

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082423\
 Data File : BF134926.D
 Acq On : 24 Aug 2023 16:13
 Operator : CG\JU
 Sample : 04082-09
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 362

Manual Integrations
 APPROVED

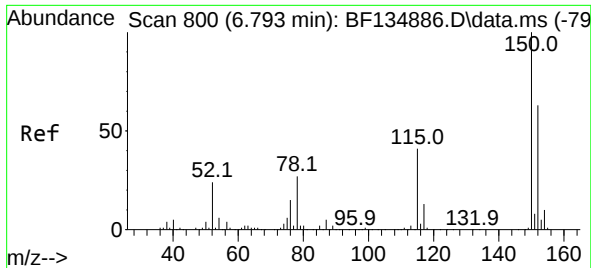
Reviewed By :Yogesh Patel 08/25/2023
 Supervised By :mohammad ahmed 08/25/2023

Quant Time: Aug 25 01:20:15 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 22 19:33:25 2023
 Response via : Initial Calibration

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

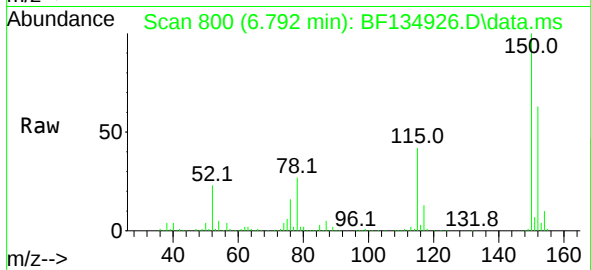
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	105583	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	390539	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	173114	20.000	ng	0.00
64) Phenanthrene-d10	11.321	188	288522	20.000	ng	0.00
76) Chrysene-d12	13.980	240	234747	20.000	ng	0.00
86) Perylene-d12	15.462	264	192143	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	535876	80.935	ng	0.00
7) Phenol-d6	6.434	99	666330	78.758	ng	0.00
23) Nitrobenzene-d5	7.357	82	409074	57.719	ng	0.00
42) 2,4,6-Tribromophenol	10.621	330	150090	73.615	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	719431	64.245	ng	0.00
79) Terphenyl-d14	12.921	244	670202	39.268	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.345	178	232543	15.381	ng	99
72) Anthracene	11.398	178	40117	2.590	ng	99
75) Fluoranthene	12.545	202	553468	38.635	ng	99
78) Pyrene	12.774	202	480910	19.322	ng	100
81) Benzo(a)anthracene	13.974	228	251081	15.677	ng	97
83) Chrysene	14.009	228	283946	17.968	ng	98
87) Indeno(1,2,3-cd)pyrene	16.950	276	113501	8.264	ng	96
88) Benzo(b)fluoranthene	15.027	252	317086m	29.250	ng	
89) Benzo(k)fluoranthene	15.056	252	106682m	10.022	ng	
90) Benzo(a)pyrene	15.398	252	185315	17.124	ng	99
91) Dibenzo(a,h)anthracene	16.962	278	28092	2.528	ng	# 76
92) Benzo(g,h,i)perylene	17.409	276	112017	9.847	ng	100

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 800
Delta R.T. -0.001 min
Lab File: BF134926.D
Acq: 24 Aug 2023 16:13

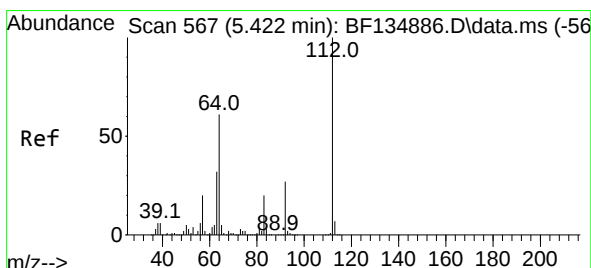
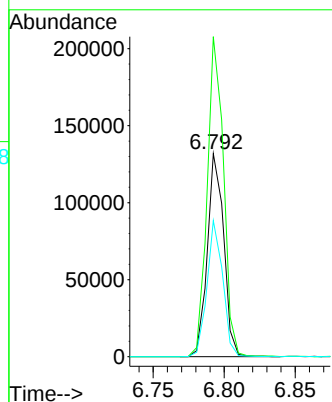
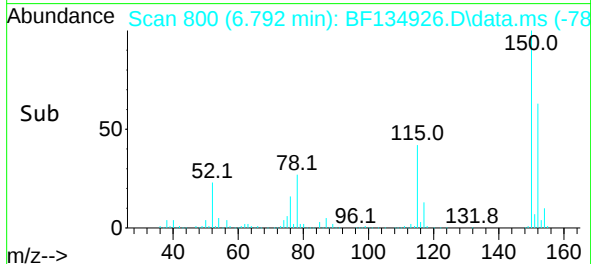
Instrument :
BNA_F
ClientSampleId :
362



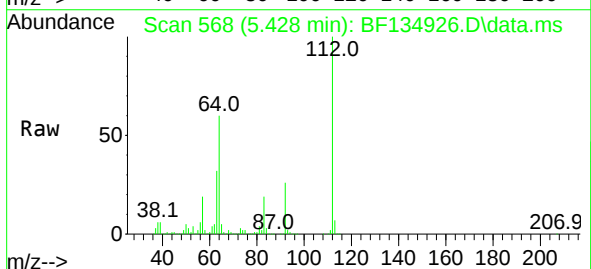
Tgt Ion:152 Resp: 10558
Ion Ratio Lower Upper
152 100
150 157.6 126.1 189.1
115 67.0 51.1 76.7

Manual Integrations
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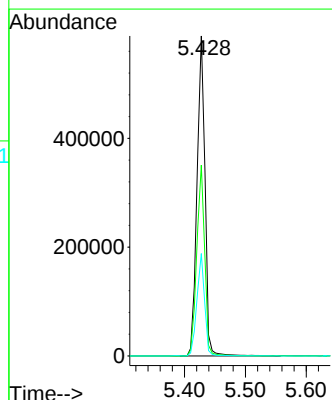
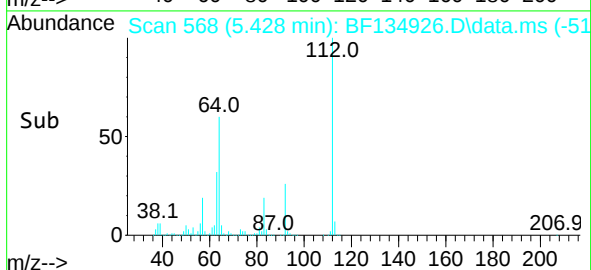
Reviewed By :Yogesh Patel 08/25/2023
Supervised By :mohammad ahmed 08/25/2023



#5
2-Fluorophenol
Concen: 80.935 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.006 min
Lab File: BF134926.D
Acq: 24 Aug 2023 16:13



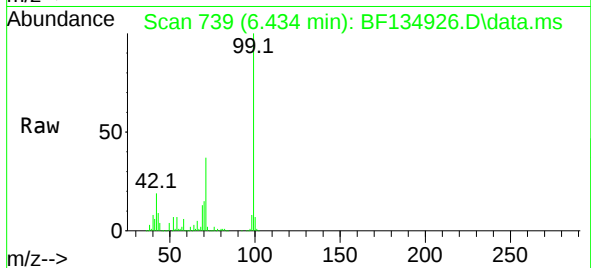
Tgt Ion:112 Resp: 535876
Ion Ratio Lower Upper
112 100
64 59.6 48.6 73.0
63 32.0 25.7 38.5





#7
Phenol-d6
Concen: 78.758 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF134926.D
Acq: 24 Aug 2023 16:13

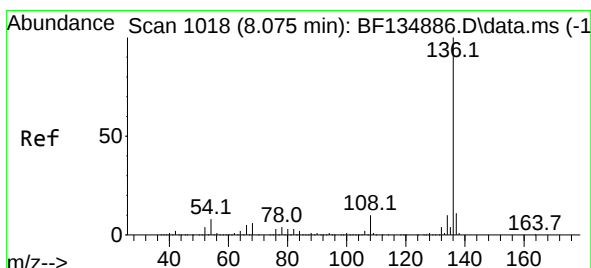
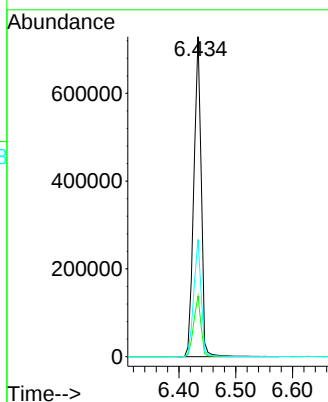
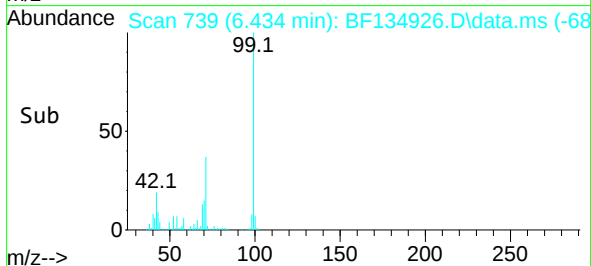
Instrument :
BNA_F
ClientSampleId :
362



Tgt Ion: 99 Resp: 666330
Ion Ratio Lower Upper
99 100
42 19.0 14.6 22.0
71 36.7 27.6 41.4

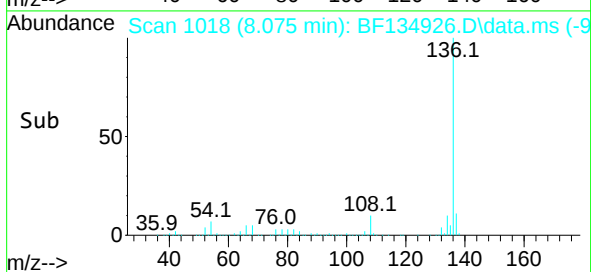
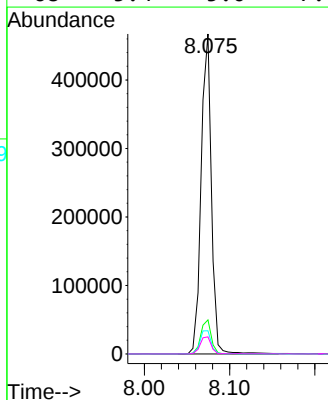
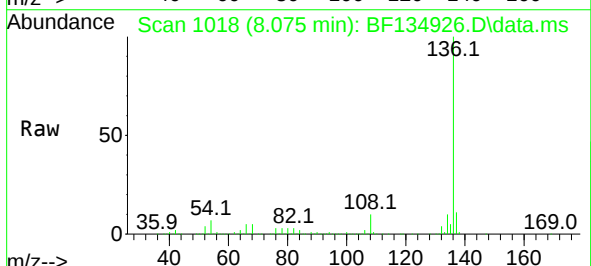
Manual Integrations
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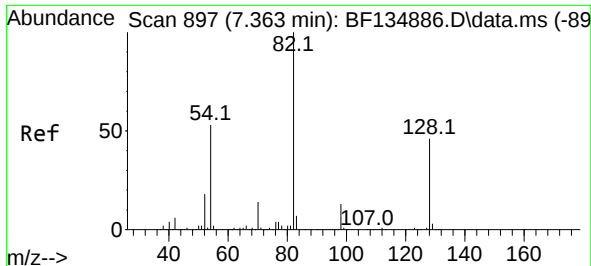
Reviewed By :Yogesh Patel 08/25/2023
Supervised By :mohammad ahmed 08/25/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.000 min
Lab File: BF134926.D
Acq: 24 Aug 2023 16:13

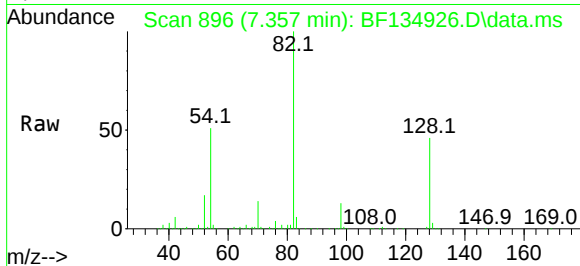
Tgt Ion:136 Resp: 390539
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 7.2 6.6 9.8
68 5.4 5.0 7.4





#23
Nitrobenzene-d5
Concen: 57.719 ng
RT: 7.357 min Scan# 897
Delta R.T. -0.006 min
Lab File: BF134926.D
Acq: 24 Aug 2023 16:13

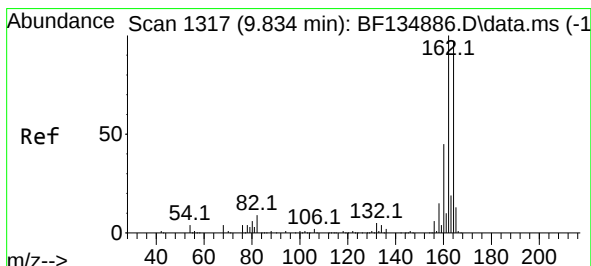
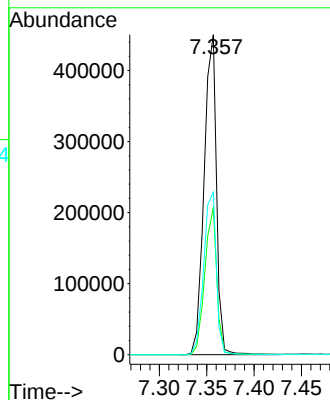
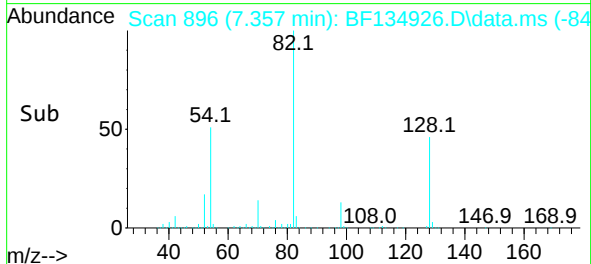
Instrument :
BNA_F
ClientSampleId :
362



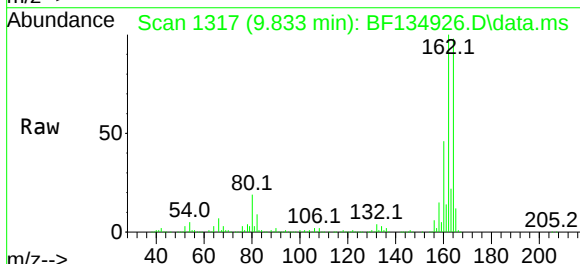
Tgt Ion: 82 Resp: 409074
Ion Ratio Lower Upper
82 100
128 45.9 36.6 54.8
54 50.7 42.6 63.8

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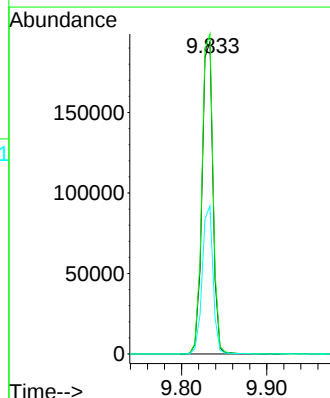
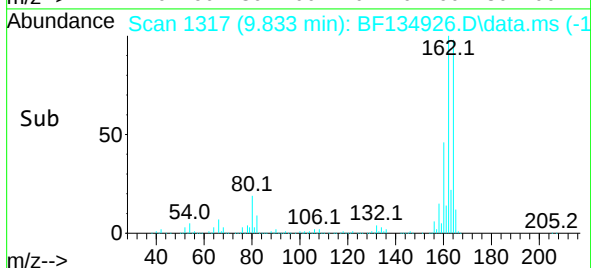
Reviewed By :Yogesh Patel 08/25/2023
Supervised By :mohammad ahmed 08/25/2023

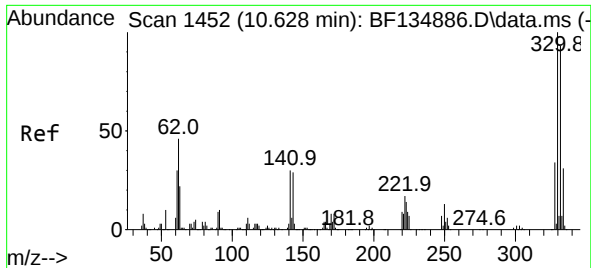


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1317
Delta R.T. -0.000 min
Lab File: BF134926.D
Acq: 24 Aug 2023 16:13



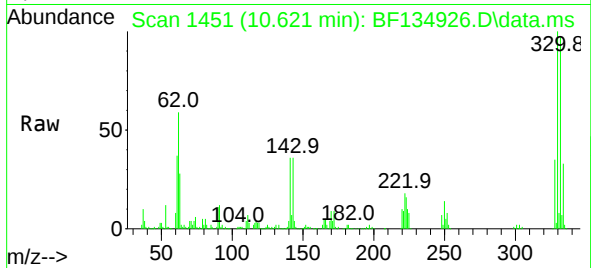
Tgt Ion:164 Resp: 173114
Ion Ratio Lower Upper
164 100
162 102.5 82.6 123.8
160 47.4 37.0 55.4





#42
2,4,6-Tribromophenol
Concen: 73.615 ng
RT: 10.621 min Scan# 1452
Delta R.T. -0.006 min
Lab File: BF134926.D
Acq: 24 Aug 2023 16:13

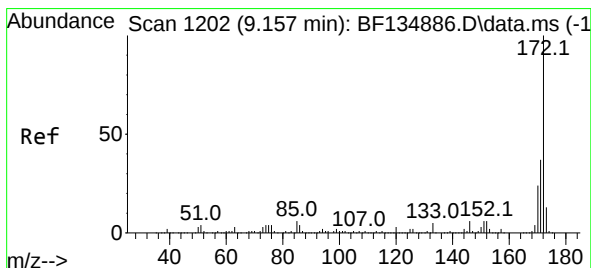
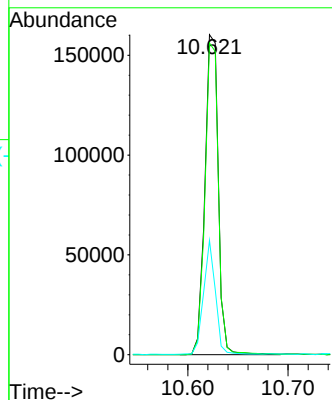
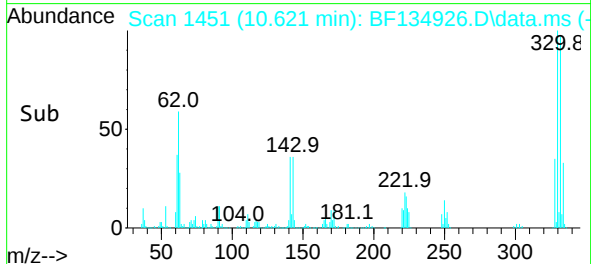
Instrument :
BNA_F
ClientSampleId :
362



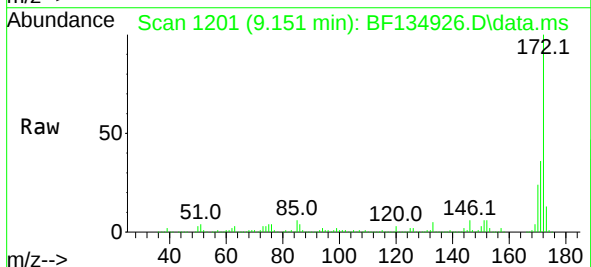
Tgt Ion: 330 Resp: 150090
Ion Ratio Lower Upper
330 100
332 97.2 76.3 114.5
141 31.4 23.4 35.2

Manual Integrations
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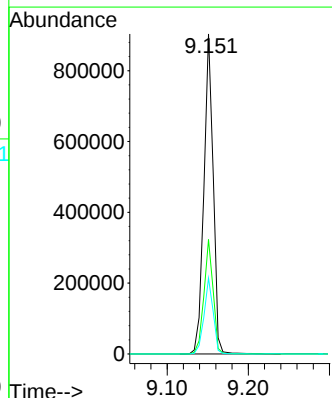
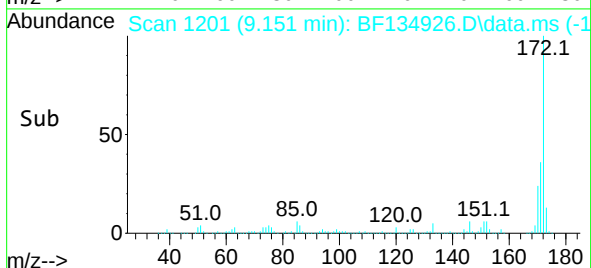
Reviewed By : Yogesh Patel 08/25/2023
Supervised By : mohammad ahmed 08/25/2023

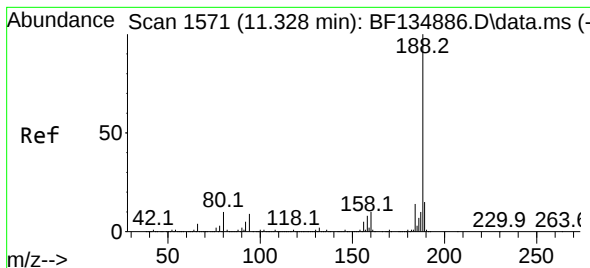


#45
2-Fluorobiphenyl
Concen: 64.245 ng
RT: 9.151 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF134926.D
Acq: 24 Aug 2023 16:13



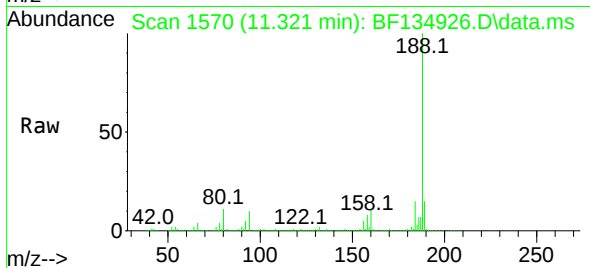
Tgt Ion: 172 Resp: 719431
Ion Ratio Lower Upper
172 100
171 35.8 29.4 44.0
170 23.7 19.6 29.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.321 min Scan# 1132
Delta R.T. -0.006 min
Lab File: BF134926.D
Acq: 24 Aug 2023 16:13

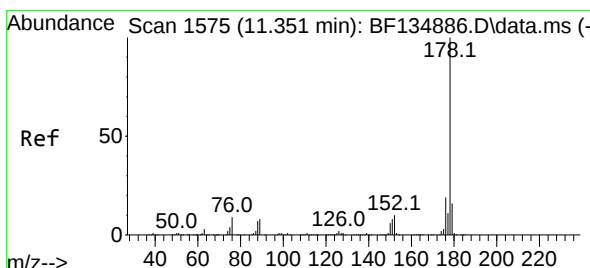
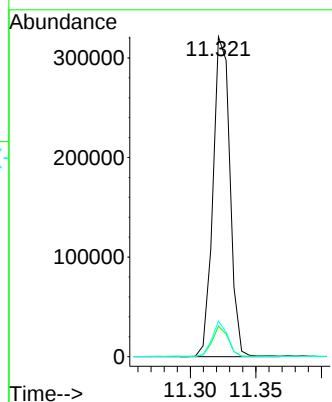
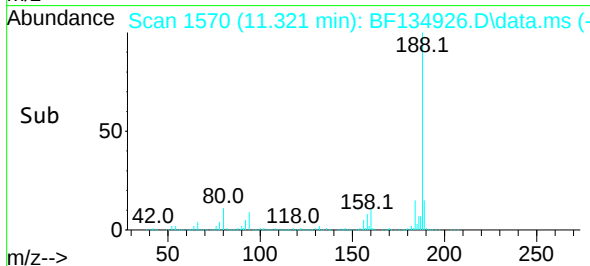
Instrument :
BNA_F
ClientSampleId :
362



Tgt Ion:188 Resp: 28852
Ion Ratio Lower Upper
188 100
94 9.5 7.5 11.3
80 11.1 7.8 11.6

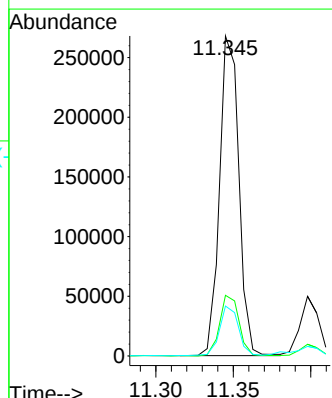
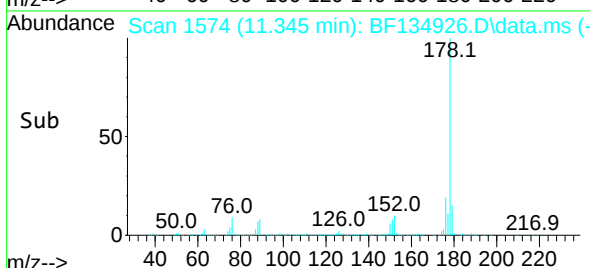
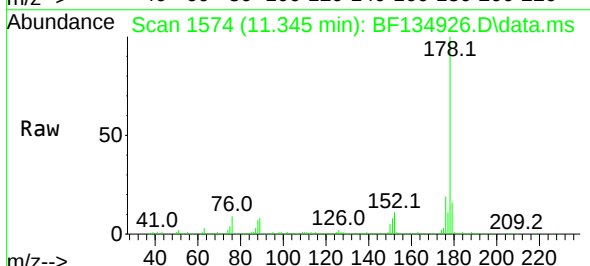
Manual Integrations
APPROVED

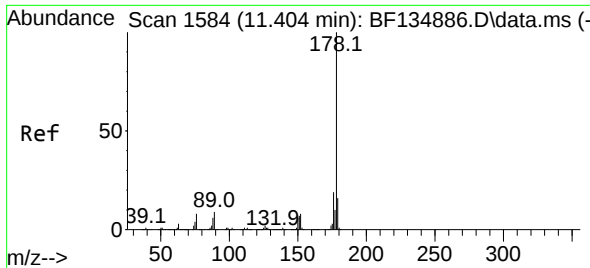
Reviewed By :Yogesh Patel 08/25/2023
Supervised By :mohammad ahmed 08/25/2023



#71
Phenanthrene
Concen: 15.381 ng
RT: 11.345 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF134926.D
Acq: 24 Aug 2023 16:13

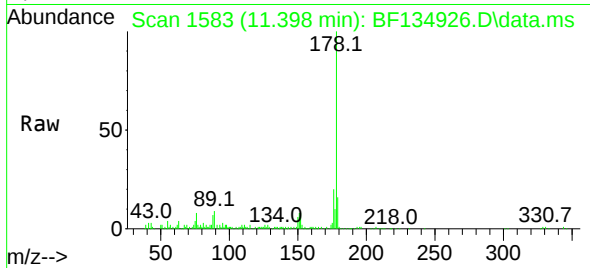
Tgt Ion:178 Resp: 232543
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 15.6 12.6 19.0





#72
 Anthracene
 Concen: 2.590 ng
 RT: 11.398 min Scan# 1139
 Delta R.T. -0.006 min
 Lab File: BF134926.D
 Acq: 24 Aug 2023 16:13

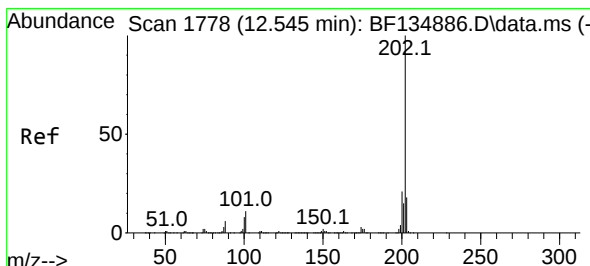
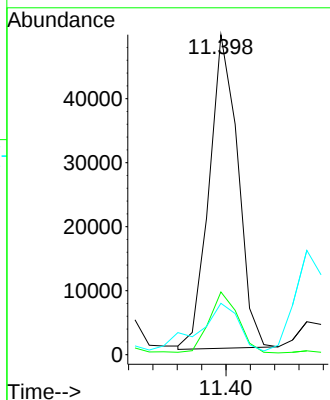
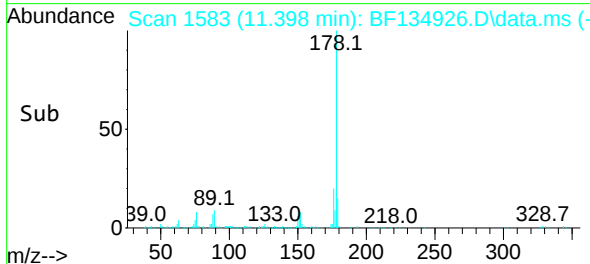
Instrument :
 BNA_F
 ClientSampleId :
 362



Tgt Ion:178 Resp: 4011
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.0 22.6
 179 16.1 12.5 18.7

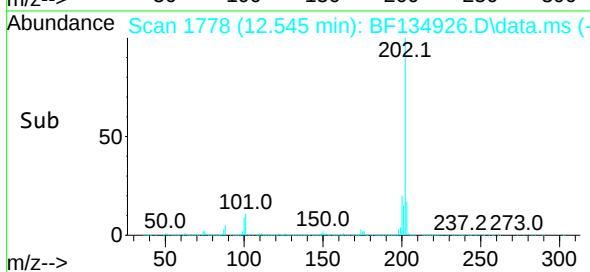
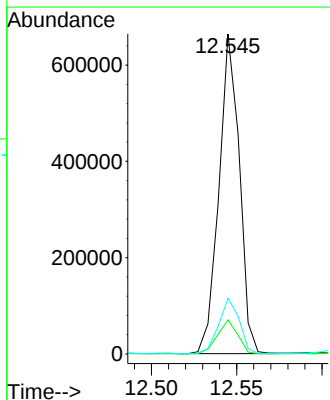
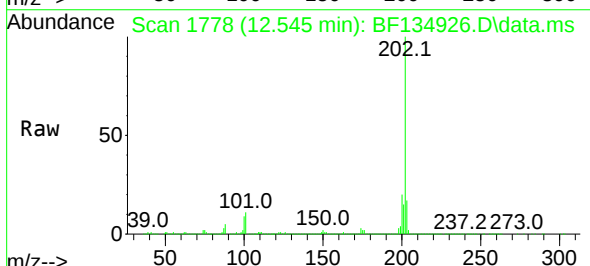
Manual Integrations
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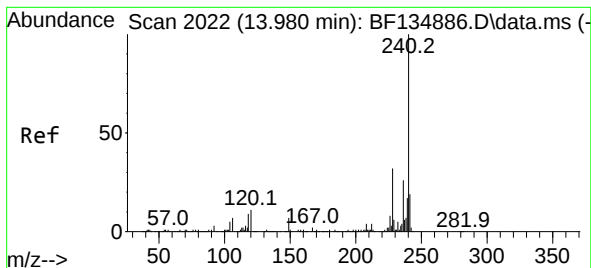
Reviewed By :Yogesh Patel 08/25/2023
 Supervised By :mohammad ahmed 08/25/2023



#75
 Fluoranthene
 Concen: 38.635 ng
 RT: 12.545 min Scan# 1778
 Delta R.T. -0.000 min
 Lab File: BF134926.D
 Acq: 24 Aug 2023 16:13

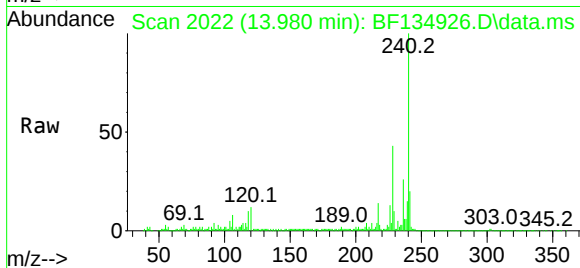
Tgt Ion:202 Resp: 553468
 Ion Ratio Lower Upper
 202 100
 101 10.7 0.0 30.5
 203 17.4 0.0 37.8





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 20
Delta R.T. -0.000 min
Lab File: BF134926.D
Acq: 24 Aug 2023 16:13

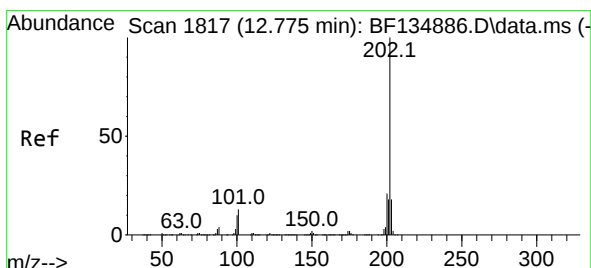
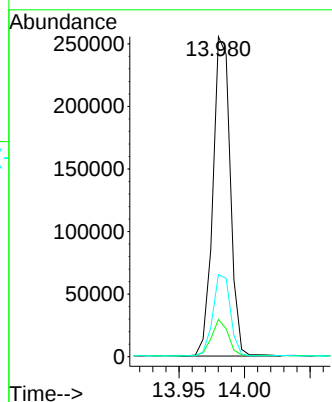
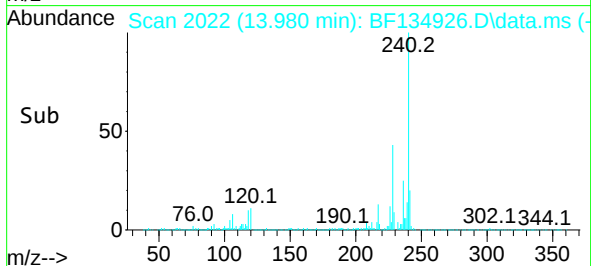
Instrument :
BNA_F
ClientSampleId :
362



Tgt Ion:240 Resp: 23474
Ion Ratio Lower Upper
240 100
120 11.6 8.6 12.8
236 25.7 20.6 31.0

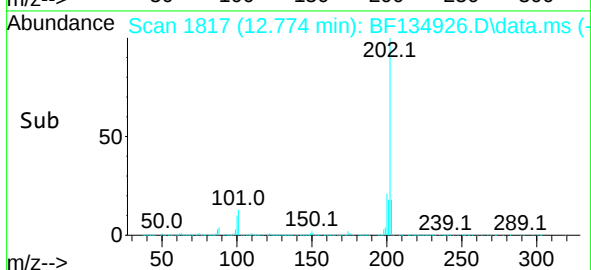
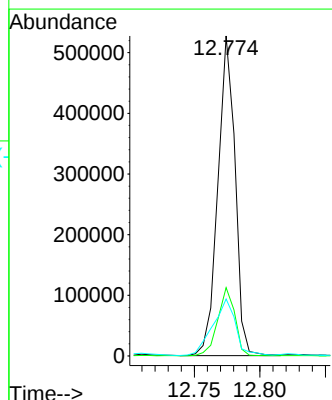
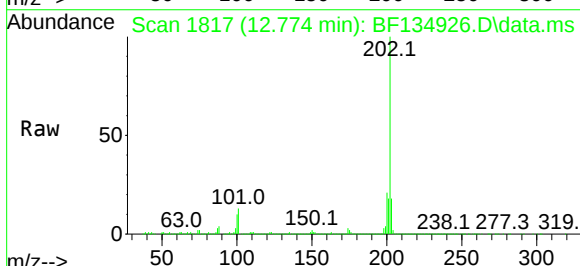
Manual Integrations
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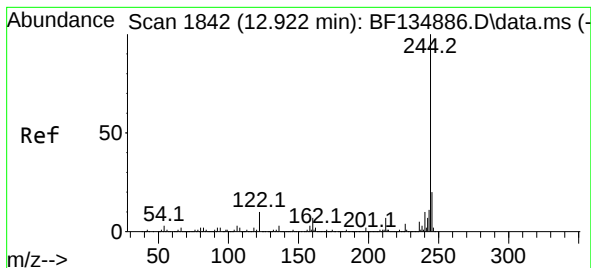
Reviewed By :Yogesh Patel 08/25/2023
Supervised By :mohammad ahmed 08/25/2023



#78
Pyrene
Concen: 19.322 ng
RT: 12.774 min Scan# 1817
Delta R.T. -0.000 min
Lab File: BF134926.D
Acq: 24 Aug 2023 16:13

Tgt Ion:202 Resp: 480910
Ion Ratio Lower Upper
202 100
200 21.4 17.1 25.7
203 17.8 14.2 21.2





#79

Terphenyl-d14

Concen: 39.268 ng

RT: 12.921 min Scan# 1842

Delta R.T. -0.001 min

Lab File: BF134926.D

Acq: 24 Aug 2023 16:13

Instrument :

BNA_F

ClientSampleId :

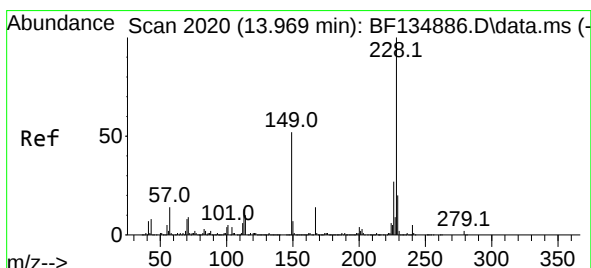
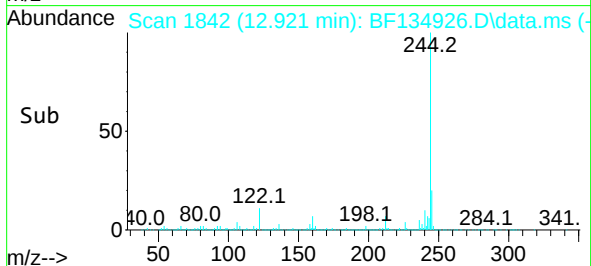
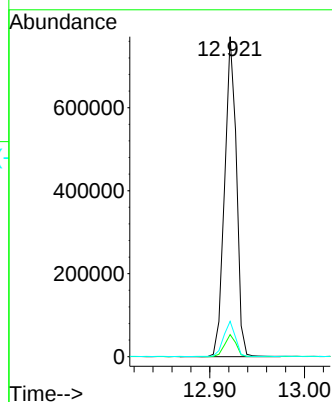
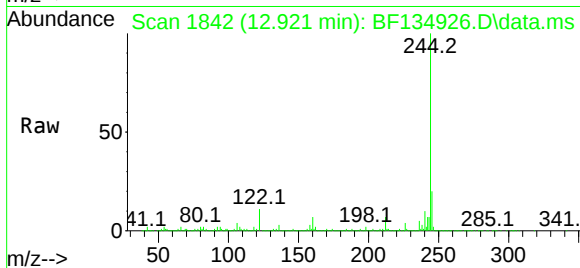
362

Tgt Ion:244 Resp: 67020
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 11.0 8.2 12.4

Manual Integrations

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Reviewed By :Yogesh Patel 08/25/2023
 Supervised By :mohammad ahmed 08/25/2023



#81

Benzo(a)anthracene

Concen: 15.677 ng

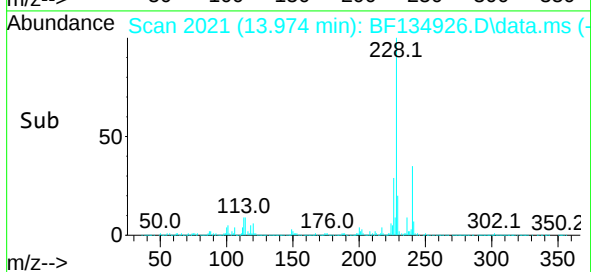
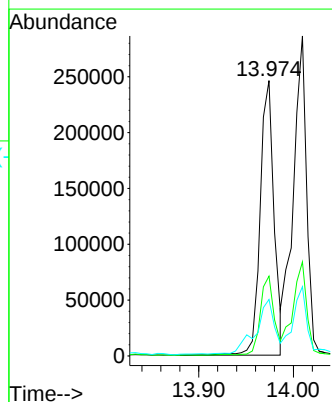
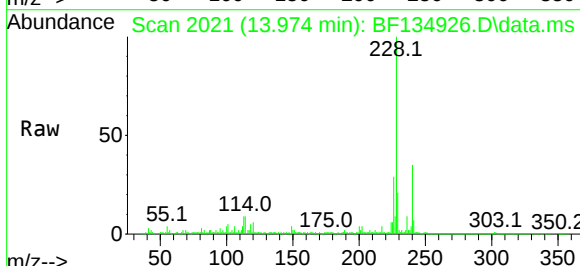
RT: 13.974 min Scan# 2021

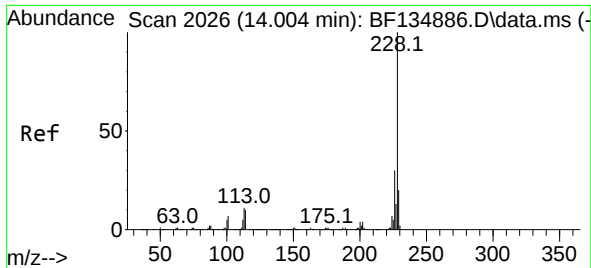
Delta R.T. 0.006 min

Lab File: BF134926.D

Acq: 24 Aug 2023 16:13

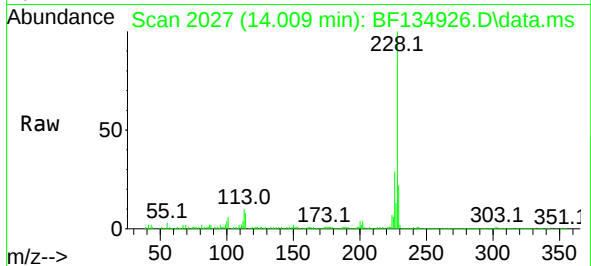
Tgt Ion:228 Resp: 251081
 Ion Ratio Lower Upper
 228 100
 226 29.0 21.8 32.6
 229 20.5 15.6 23.4





#83
Chrysene
Concen: 17.968 ng
RT: 14.009 min Scan# 2026
Delta R.T. 0.005 min
Lab File: BF134926.D
Acq: 24 Aug 2023 16:13

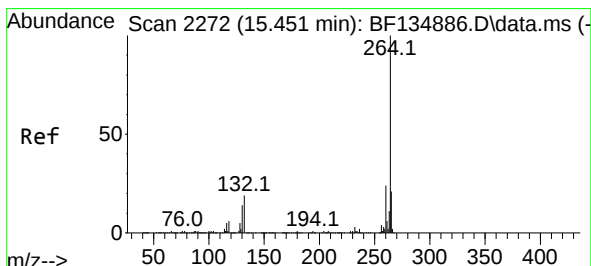
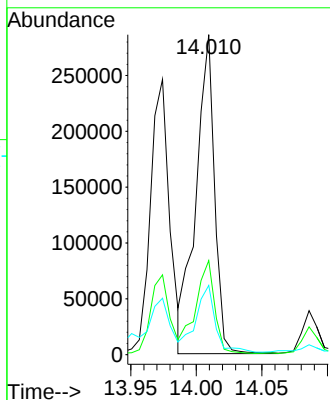
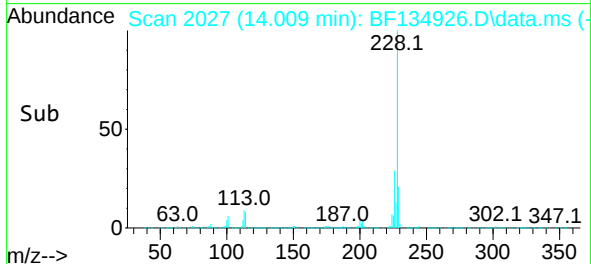
Instrument :
BNA_F
ClientSampleId :
362



Tgt Ion:228 Resp: 283940
Ion Ratio Lower Upper
228 100
226 29.4 24.2 36.2
229 21.7 16.0 24.0

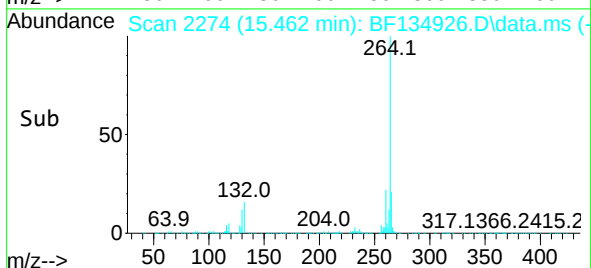
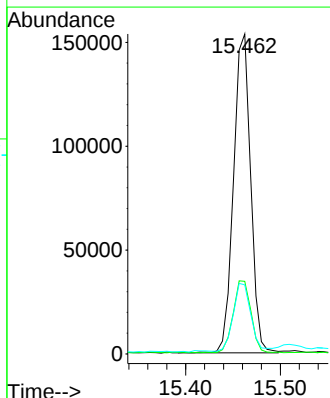
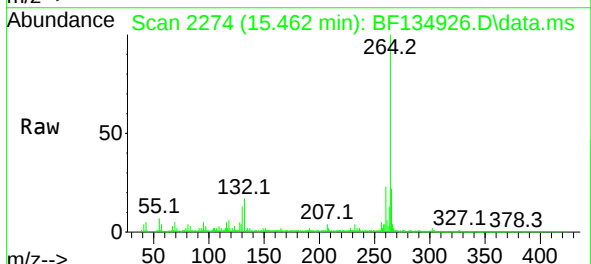
Manual Integrations
APPROVED

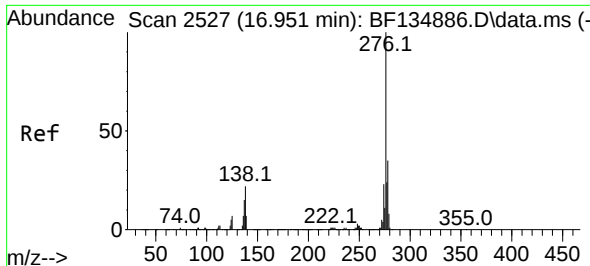
Reviewed By :Yogesh Patel 08/25/2023
Supervised By :mohammad ahmed 08/25/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.462 min Scan# 2274
Delta R.T. 0.012 min
Lab File: BF134926.D
Acq: 24 Aug 2023 16:13

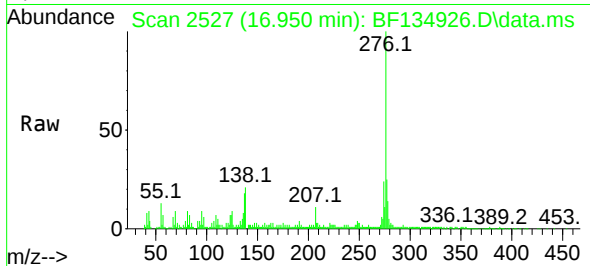
Tgt Ion:264 Resp: 192143
Ion Ratio Lower Upper
264 100
260 22.7 19.0 28.6
265 21.6 17.1 25.7





#87
Indeno(1,2,3-cd)pyrene
Concen: 8.264 ng
RT: 16.950 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF134926.D
Acq: 24 Aug 2023 16:13

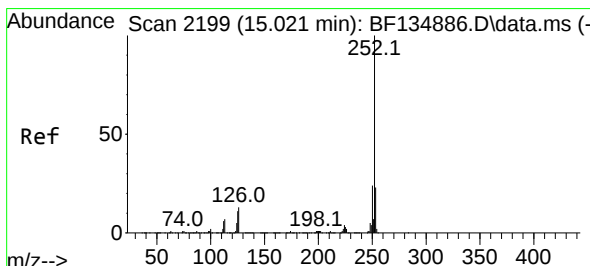
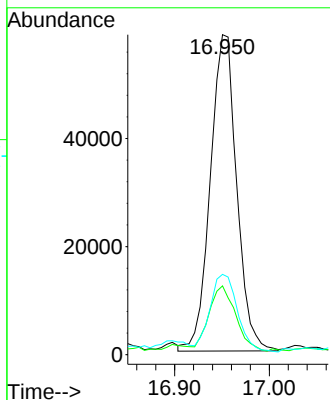
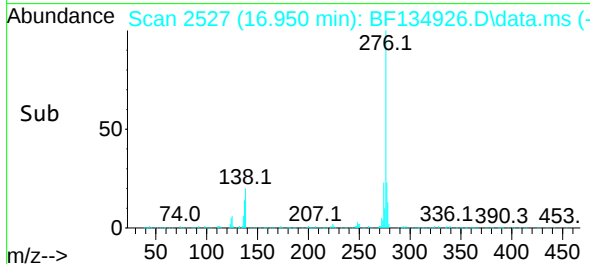
Instrument :
BNA_F
ClientSampleId :
362



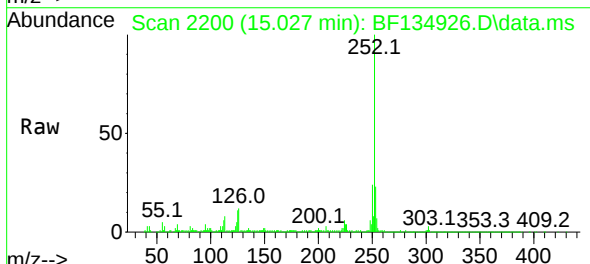
Tgt Ion:276 Resp: 11350
Ion Ratio Lower Upper
276 100
138 21.1 19.7 29.5
277 25.5 20.1 30.1

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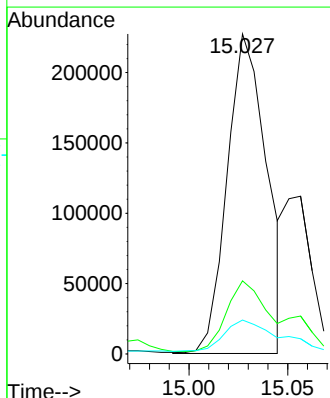
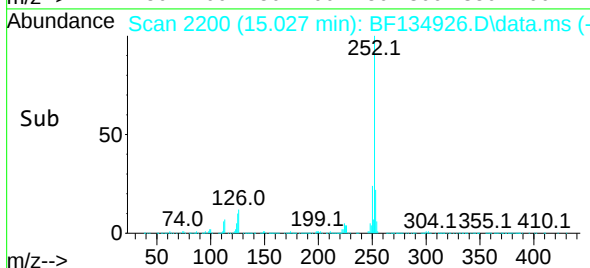
Reviewed By :Yogesh Patel 08/25/2023
Supervised By :mohammad ahmed 08/25/2023

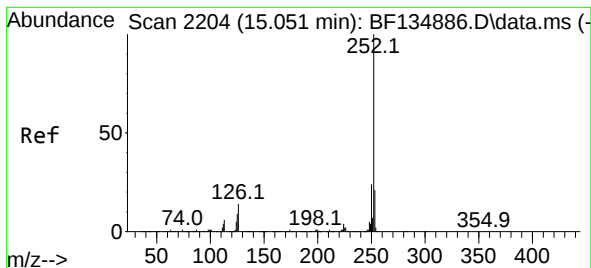


#88
Benzo(b)fluoranthene
Concen: 29.250 ng m
RT: 15.027 min Scan# 2200
Delta R.T. 0.006 min
Lab File: BF134926.D
Acq: 24 Aug 2023 16:13



Tgt Ion:252 Resp: 317086
Ion Ratio Lower Upper
252 100
253 22.8 18.1 27.1
125 10.6 8.4 12.6





#89

Benzo(k)fluoranthene

Concen: 10.022 ng m

RT: 15.056 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF134926.D

Acq: 24 Aug 2023 16:13

Instrument :

BNA_F

ClientSampleId :

362

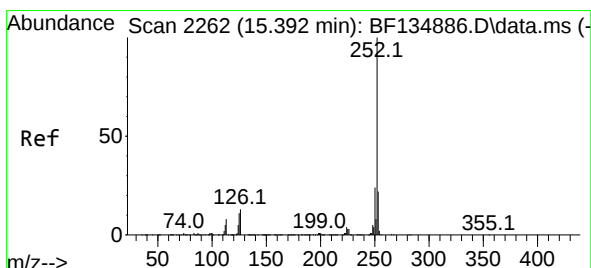
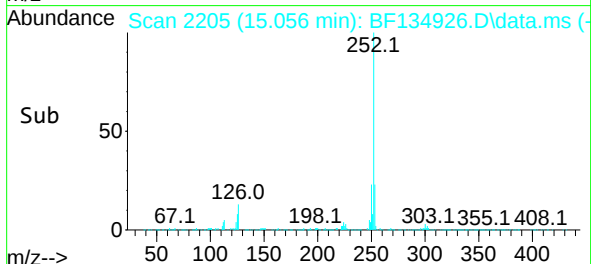
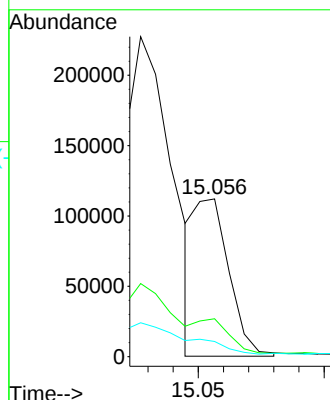
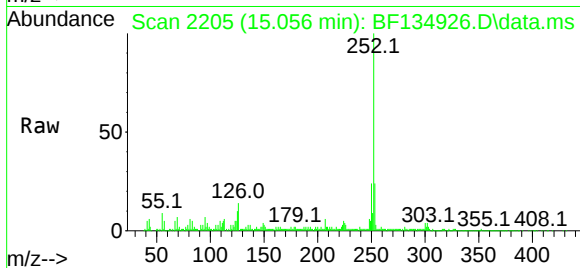
Tgt Ion:252 Resp: 106682
 Ion Ratio Lower Upper
 252 100
 253 24.1 17.1 25.7
 125 9.6 8.0 12.0

Manual Integrations

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Reviewed By :Yogesh Patel 08/25/2023

Supervised By :mohammad ahmed 08/25/2023



#90

Benzo(a)pyrene

Concen: 17.124 ng

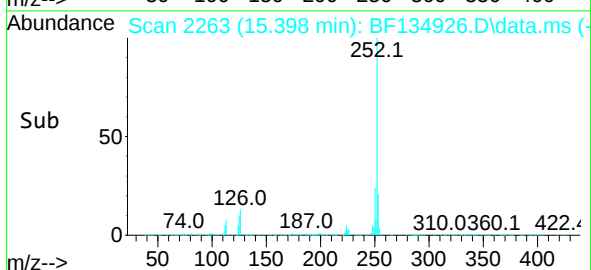
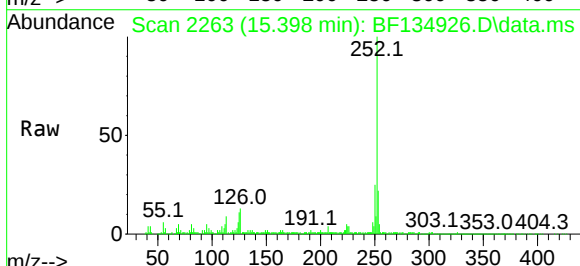
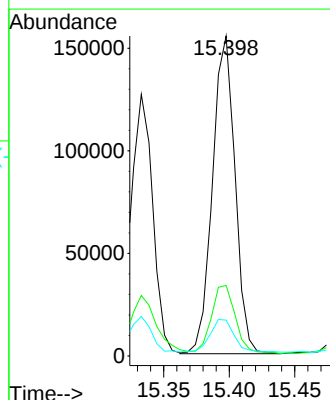
RT: 15.398 min Scan# 2263

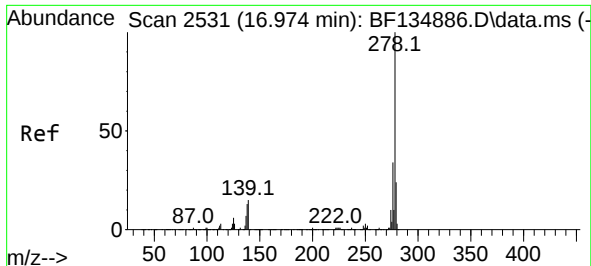
Delta R.T. 0.006 min

Lab File: BF134926.D

Acq: 24 Aug 2023 16:13

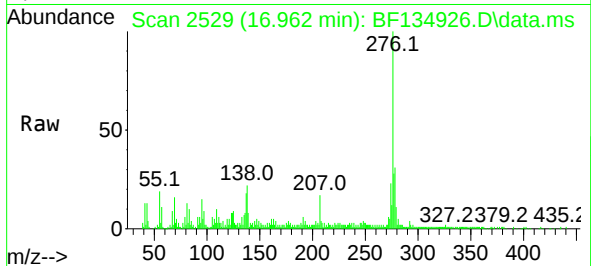
Tgt Ion:252 Resp: 185315
 Ion Ratio Lower Upper
 252 100
 253 22.0 17.6 26.4
 125 11.2 8.4 12.6





#91
Dibenzo(a,h)anthracene
Concen: 2.528 ng
RT: 16.962 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF134926.D
Acq: 24 Aug 2023 16:13

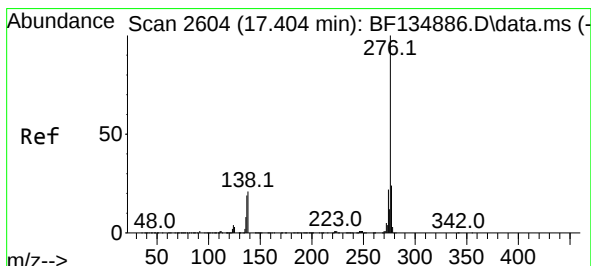
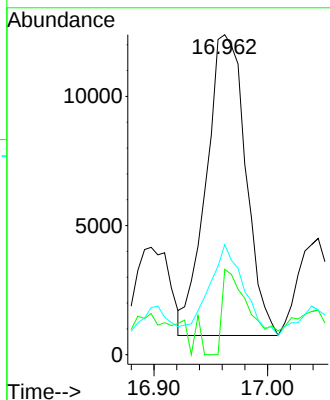
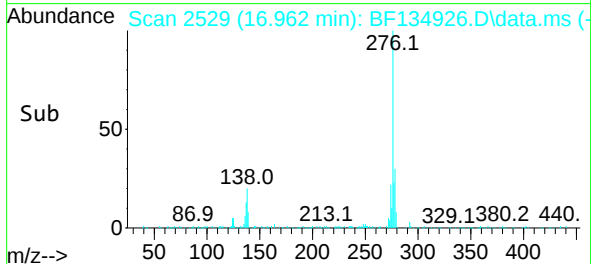
Instrument :
BNA_F
ClientSampleId :
362



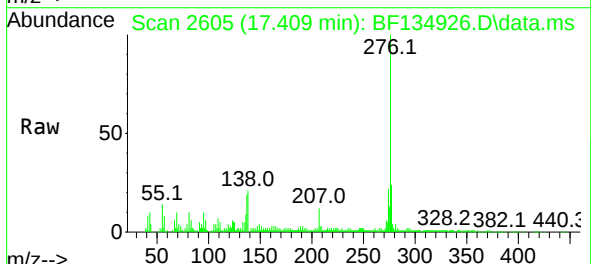
Tgt Ion:278 Resp: 28092
Ion Ratio Lower Upper
278 100
139 26.6 12.2 18.4
279 34.4 19.1 28.7

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/25/2023
Supervised By :mohammad ahmed 08/25/2023



#92
Benzo(g,h,i)perylene
Concen: 9.847 ng
RT: 17.409 min Scan# 2605
Delta R.T. 0.006 min
Lab File: BF134926.D
Acq: 24 Aug 2023 16:13



Tgt Ion:276 Resp: 112017
Ion Ratio Lower Upper
276 100
277 23.7 19.2 28.8
138 21.2 17.0 25.6

