

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072123\
 Data File : BF134402.D
 Acq On : 21 Jul 2023 15:38
 Operator : CG\JU
 Sample : 03641-21
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP16

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/24/2023
 Supervised By :mohammad ahmed 07/24/2023

Quant Time: Jul 21 16:45:31 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 14 22:51:27 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	59846	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	233444	20.000	ng	# 0.00
39) Acenaphthene-d10	9.875	164	118111	20.000	ng	0.00
64) Phenanthrene-d10	11.369	188	222120	20.000	ng	0.00
76) Chrysene-d12	14.033	240	146689	20.000	ng	# 0.00
86) Perylene-d12	15.539	264	132742	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	289433	80.900	ng	0.00
7) Phenol-d6	6.475	99	356499	81.026	ng	-0.01
23) Nitrobenzene-d5	7.398	82	234957	54.255	ng	-0.01
42) 2,4,6-Tribromophenol	10.669	330	129046	87.142	ng	-0.01
45) 2-Fluorobiphenyl	9.192	172	457845	56.359	ng	-0.01
79) Terphenyl-d14	12.968	244	517234	56.749	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.392	178	49638	4.439	ng	96
75) Fluoranthene	12.592	202	143427	11.865	ng	97
78) Pyrene	12.821	202	143346	10.500	ng	99
81) Benzo(a)anthracene	14.021	228	70275	6.908	ng	98
83) Chrysene	14.057	228	65181	6.615	ng	95
87) Indeno(1,2,3-cd)pyrene	17.086	276	32214	3.497	ng	# 94
88) Benzo(b)fluoranthene	15.092	252	65062m	8.336	ng	
89) Benzo(k)fluoranthene	15.121	252	16747m	2.107	ng	
90) Benzo(a)pyrene	15.474	252	43953	5.823	ng	96
92) Benzo(g,h,i)perylene	17.556	276	30782	3.968	ng	# 94

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

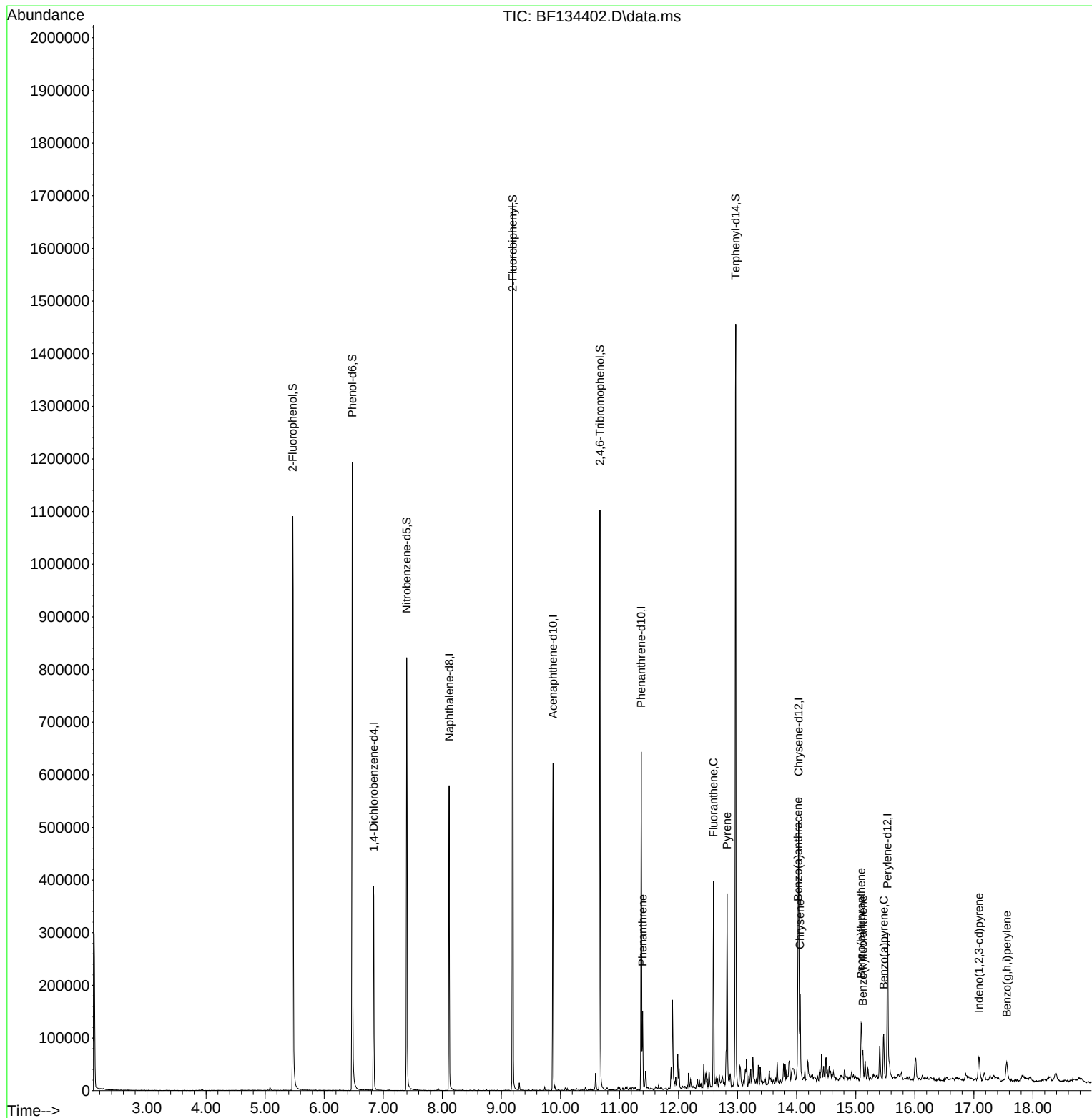
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072123\
Data File : BF134402.D
Acq On : 21 Jul 2023 15:38
Operator : CG\JU
Sample : 03641-21
Misc :
ALS Vial : 12 Sample Multiplier: 1

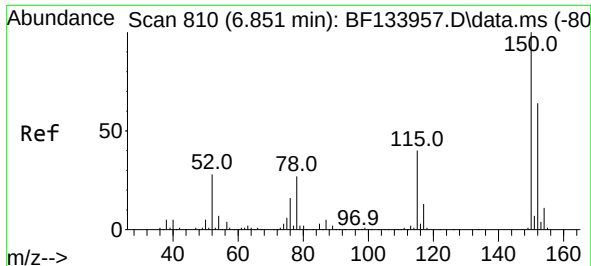
Instrument :
BNA_F
ClientSampleId :
TP16

Quant Time: Jul 21 16:45:31 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 14 22:51:27 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

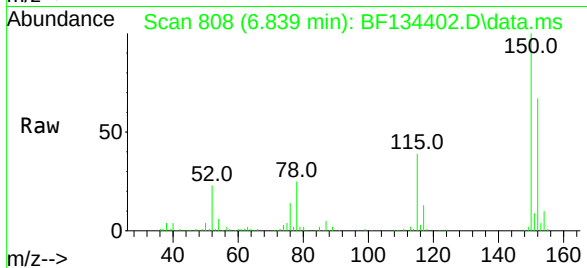
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF134402.D
Acq: 21 Jul 2023 15:38

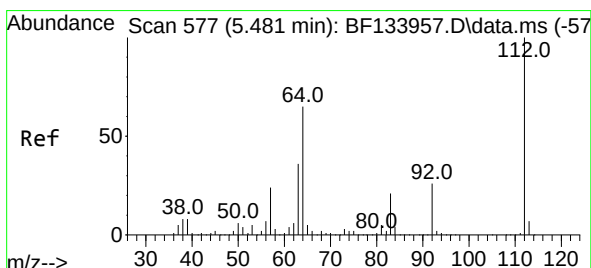
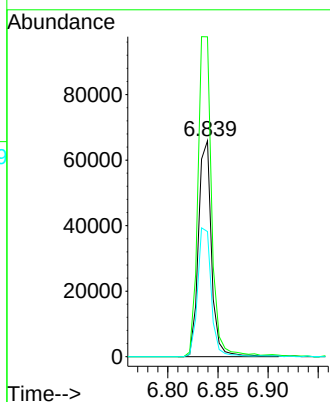
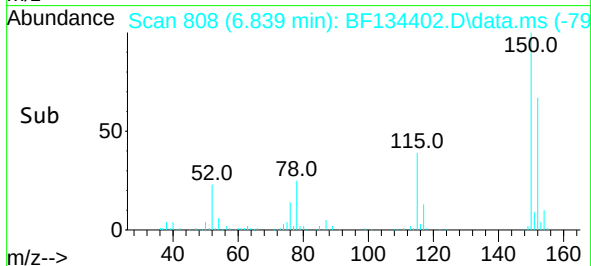
Instrument :
BNA_F
ClientSampleId :
TP16



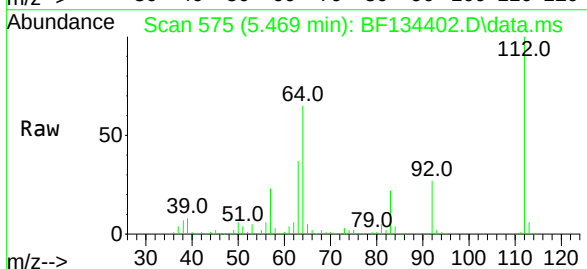
Tgt Ion:152 Resp: 59840
Ion Ratio Lower Upper
152 100
150 148.3 124.5 186.7
115 58.0 50.2 75.2

Manual Integrations
APPROVED

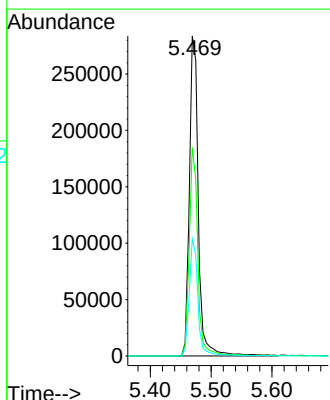
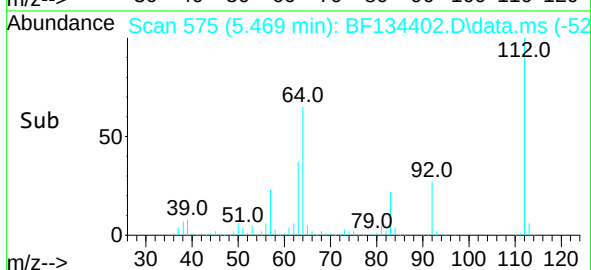
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023

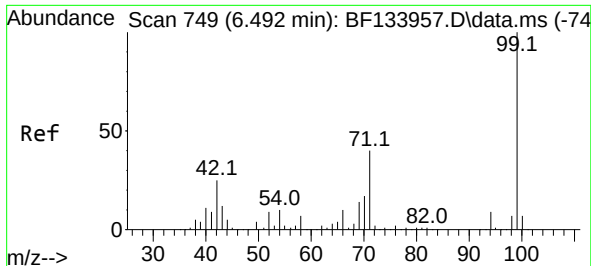


#5
2-Fluorophenol
Concen: 80.900 ng
RT: 5.469 min Scan# 575
Delta R.T. 0.000 min
Lab File: BF134402.D
Acq: 21 Jul 2023 15:38



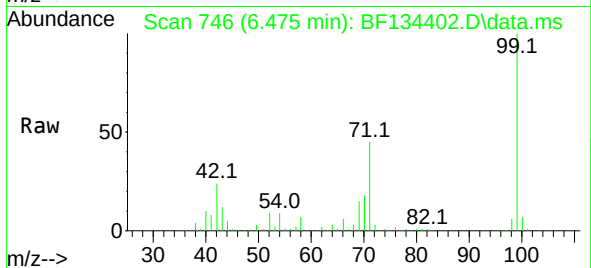
Tgt Ion:112 Resp: 289433
Ion Ratio Lower Upper
112 100
64 65.1 52.1 78.1
63 36.6 28.6 42.8





#7
Phenol-d6
Concen: 81.026 ng
RT: 6.475 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF134402.D
Acq: 21 Jul 2023 15:38

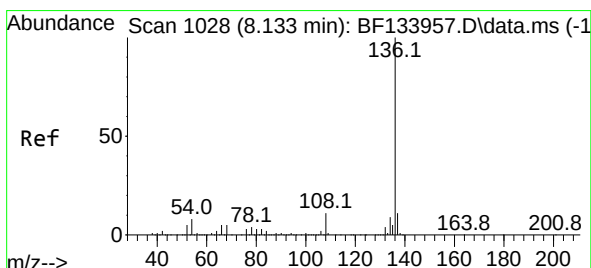
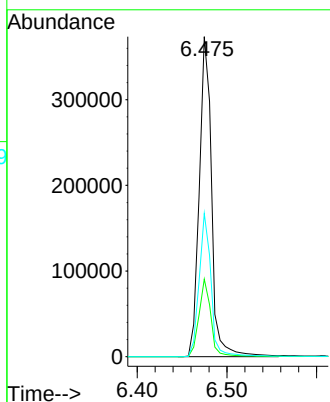
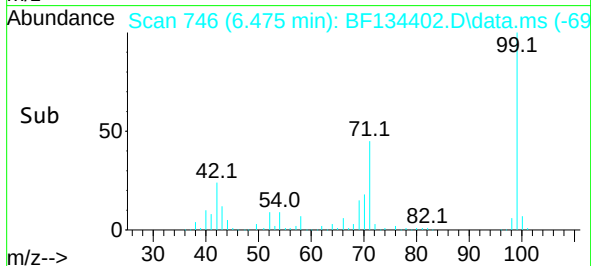
Instrument :
BNA_F
ClientSampleId :
TP16



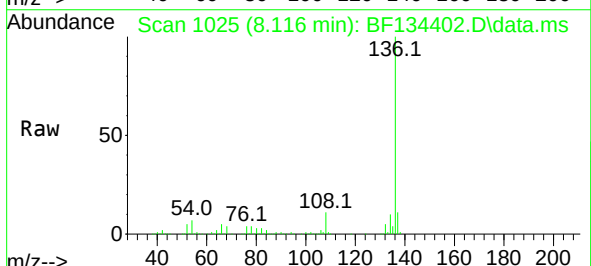
Tgt Ion: 99 Resp: 356499
Ion Ratio Lower Upper
99 100
42 24.2 19.8 29.6
71 44.8 31.9 47.9

Manual Integrations
APPROVED

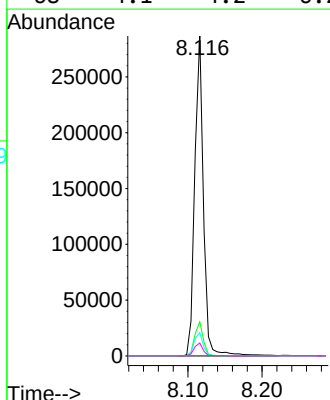
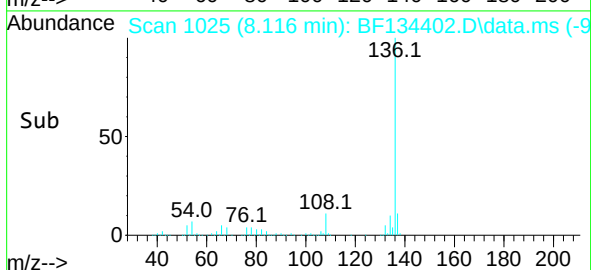
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023

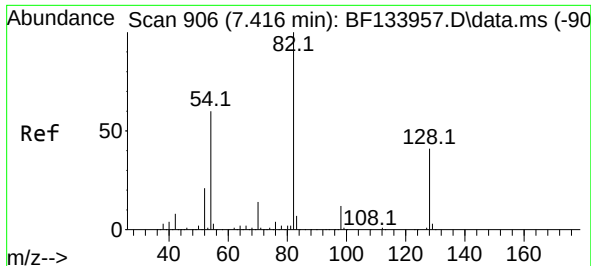


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BF134402.D
Acq: 21 Jul 2023 15:38



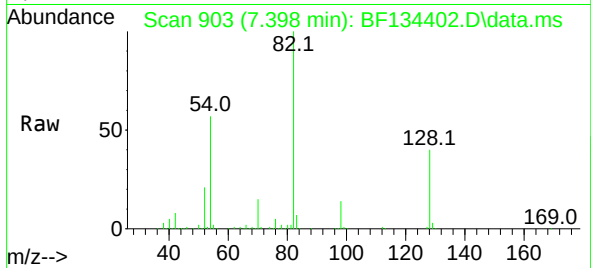
Tgt Ion:136 Resp: 233444
Ion Ratio Lower Upper
136 100
137 10.6 8.6 12.8
54 7.3 6.5 9.7
68 4.1 4.2 6.2#





#23
Nitrobenzene-d5
Concen: 54.255 ng
RT: 7.398 min Scan# 906
Delta R.T. -0.012 min
Lab File: BF134402.D
Acq: 21 Jul 2023 15:38

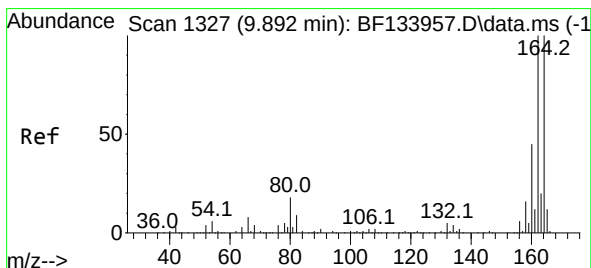
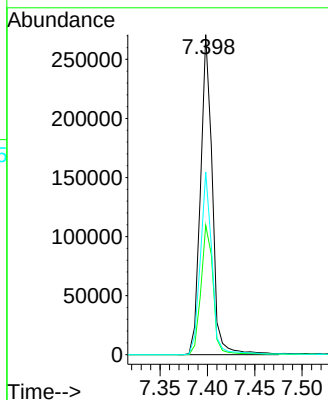
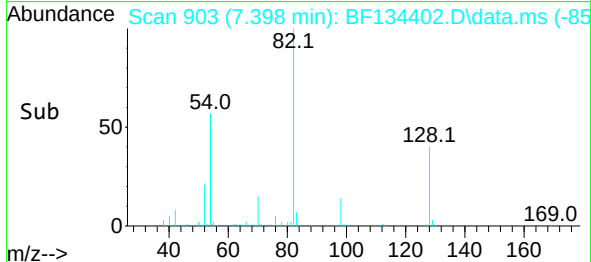
Instrument :
BNA_F
ClientSampleId :
TP16



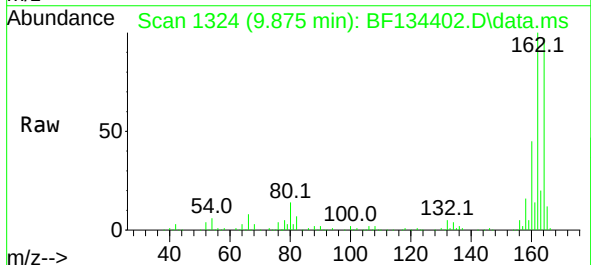
Tgt Ion: 82 Resp: 23495
Ion Ratio Lower Upper
82 100
128 40.5 32.5 48.7
54 57.1 48.2 72.2

Manual Integrations
APPROVED

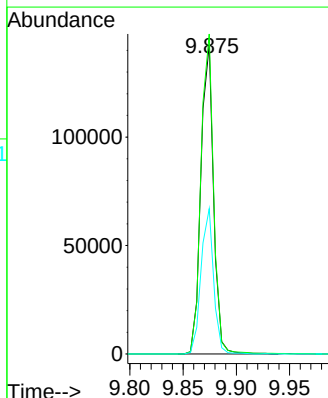
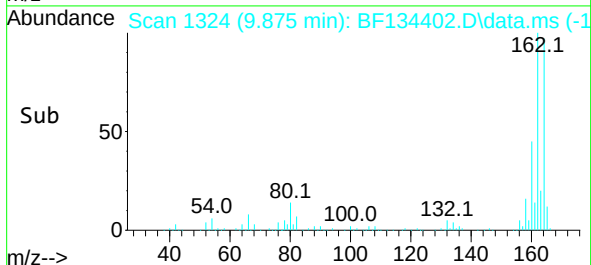
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023

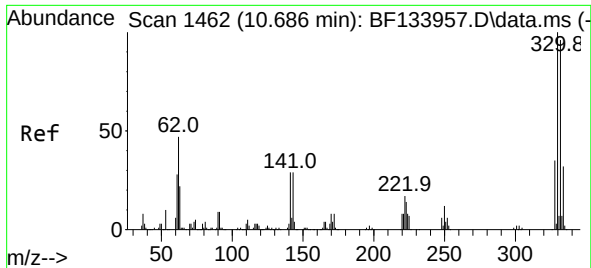


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.875 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF134402.D
Acq: 21 Jul 2023 15:38



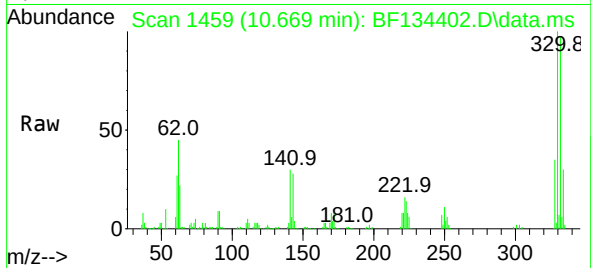
Tgt Ion:164 Resp: 118111
Ion Ratio Lower Upper
164 100
162 103.5 80.0 120.0
160 47.0 35.9 53.9





#42
2,4,6-Tribromophenol
Concen: 87.142 ng
RT: 10.669 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF134402.D
Acq: 21 Jul 2023 15:38

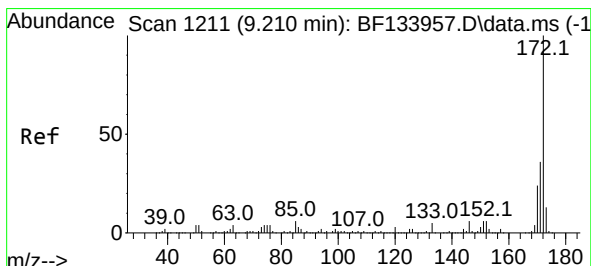
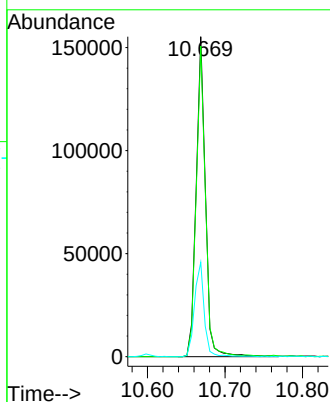
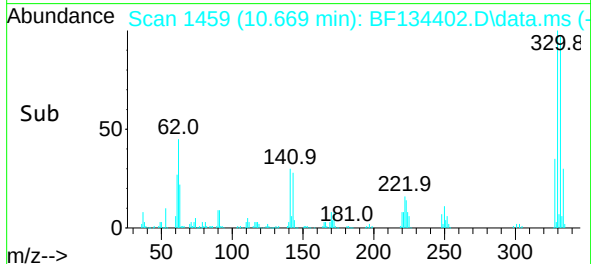
Instrument :
BNA_F
ClientSampleId :
TP16



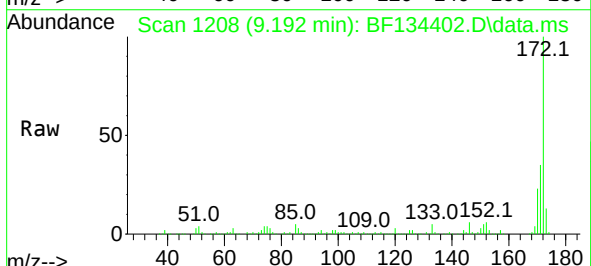
Tgt Ion: 330 Resp: 129040
Ion Ratio Lower Upper
330 100
332 96.2 77.0 115.6
141 31.0 26.3 39.5

Manual Integrations
APPROVED

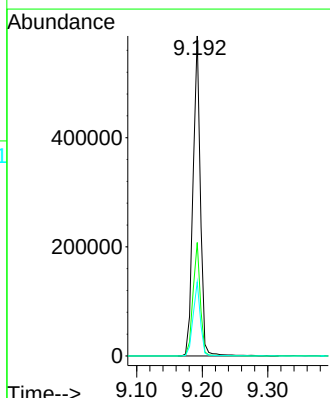
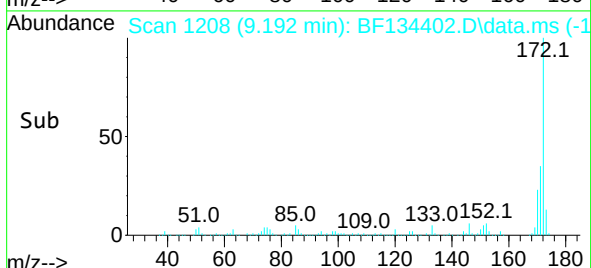
Reviewed By : Yogesh Patel 07/24/2023
Supervised By : mohammad ahmed 07/24/2023

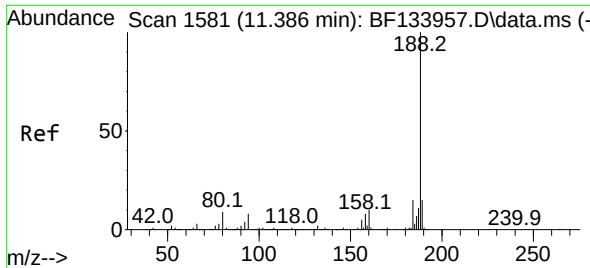


#45
2-Fluorobiphenyl
Concen: 56.359 ng
RT: 9.192 min Scan# 1208
Delta R.T. -0.012 min
Lab File: BF134402.D
Acq: 21 Jul 2023 15:38



Tgt Ion: 172 Resp: 457845
Ion Ratio Lower Upper
172 100
171 35.4 28.6 43.0
170 23.1 19.4 29.0





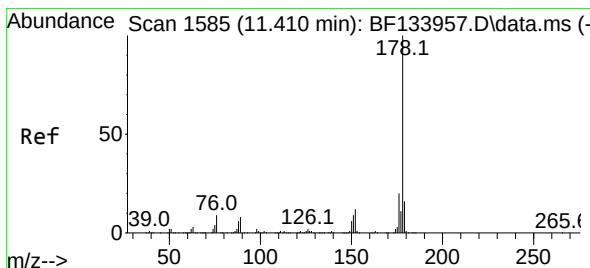
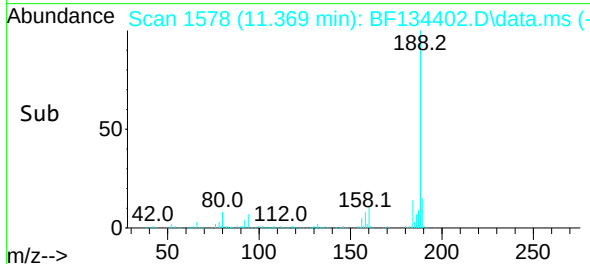
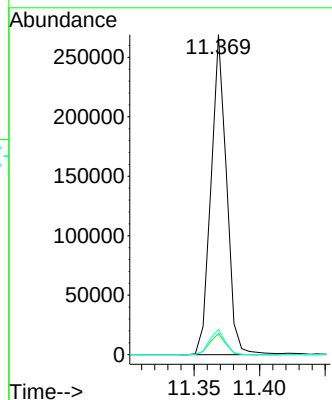
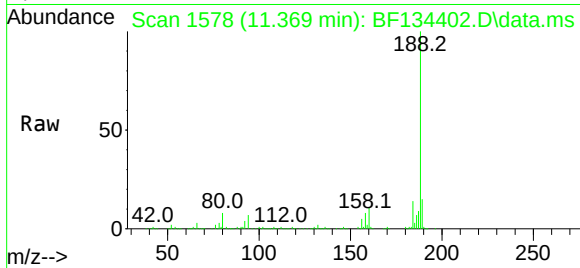
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.369 min Scan# 1578
Delta R.T. -0.006 min
Lab File: BF134402.D
Acq: 21 Jul 2023 15:38

Instrument :
BNA_F
ClientSampleId :
TP16

Tgt Ion:188 Resp: 222120
Ion Ratio Lower Upper
188 100
94 6.6 6.4 9.6
80 7.9 7.3 10.9

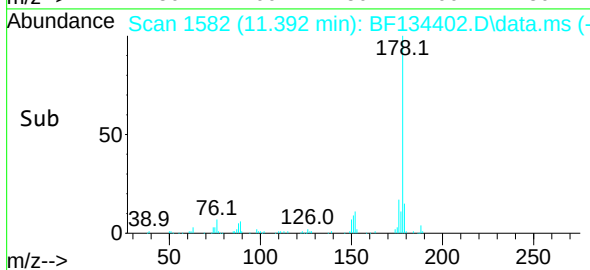
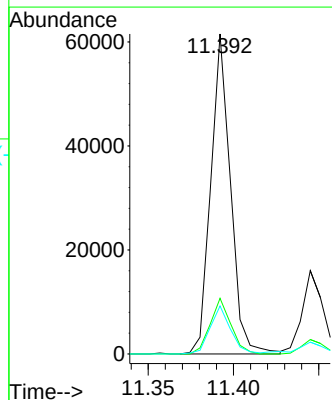
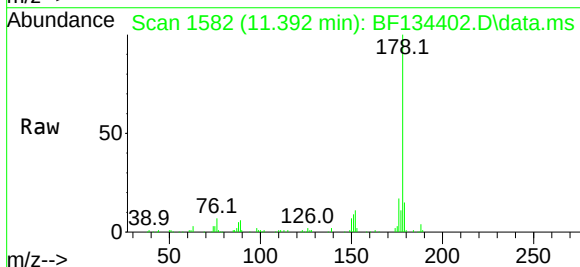
Manual Integrations
APPROVED

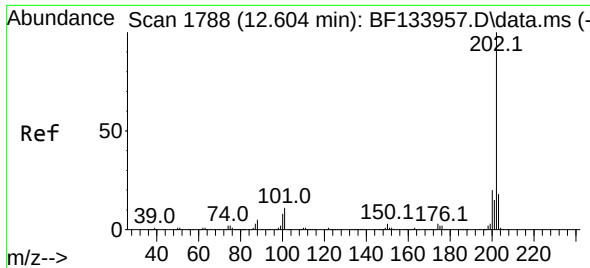
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



#71
Phenanthrene
Concen: 4.439 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.012 min
Lab File: BF134402.D
Acq: 21 Jul 2023 15:38

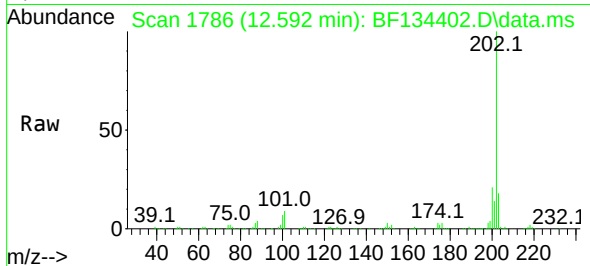
Tgt Ion:178 Resp: 49638
Ion Ratio Lower Upper
178 100
176 17.4 16.0 24.0
179 15.0 12.4 18.6





#75
Fluoranthene
Concen: 11.865 ng
RT: 12.592 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134402.D
Acq: 21 Jul 2023 15:38

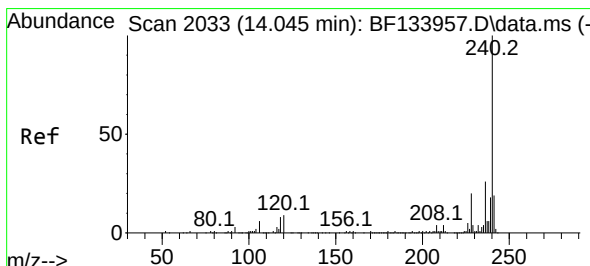
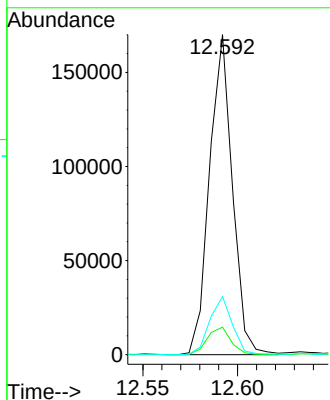
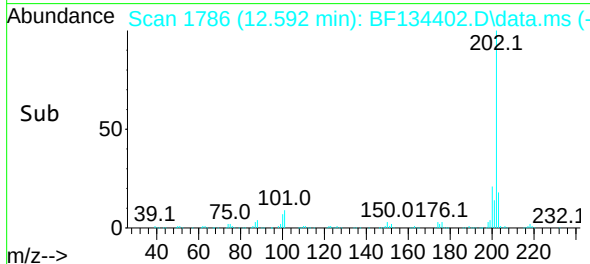
Instrument :
BNA_F
ClientSampleId :
TP16



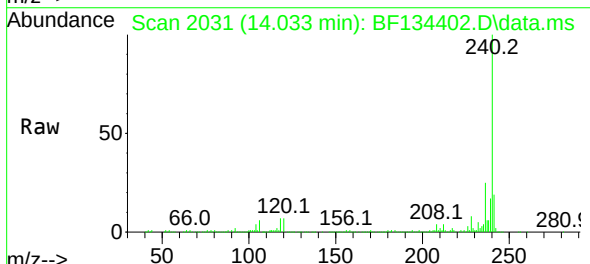
Tgt Ion:202 Resp: 14342
Ion Ratio Lower Upper
202 100
101 8.6 0.0 31.0
203 18.1 0.0 37.6

Manual Integrations
APPROVED

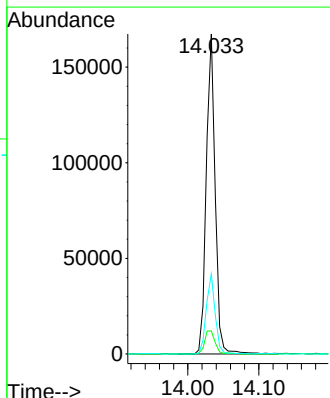
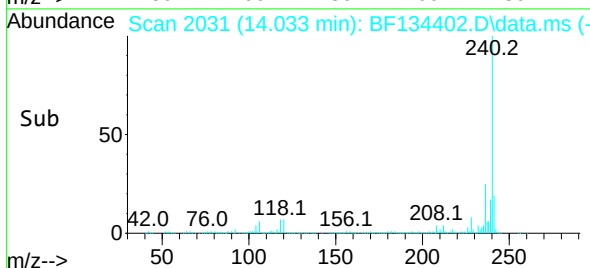
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023

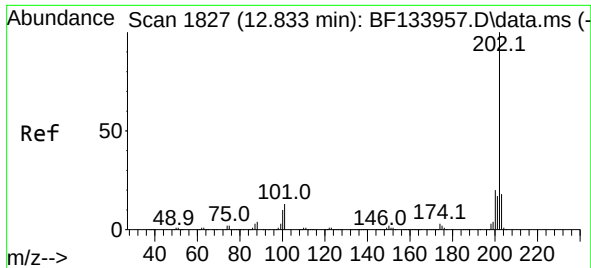


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF134402.D
Acq: 21 Jul 2023 15:38



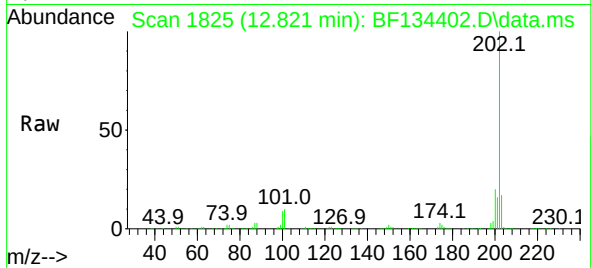
Tgt Ion:240 Resp: 146689
Ion Ratio Lower Upper
240 100
120 7.2 7.4 11.0#
236 25.0 21.0 31.6





#78
Pyrene
Concen: 10.500 ng
RT: 12.821 min Scan# 1825
Delta R.T. -0.012 min
Lab File: BF134402.D
Acq: 21 Jul 2023 15:38

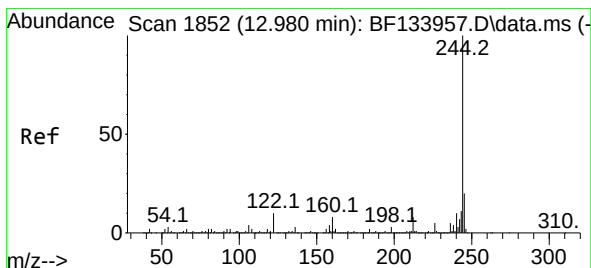
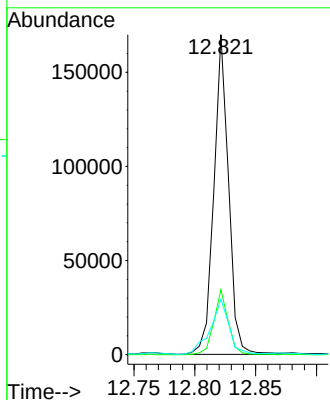
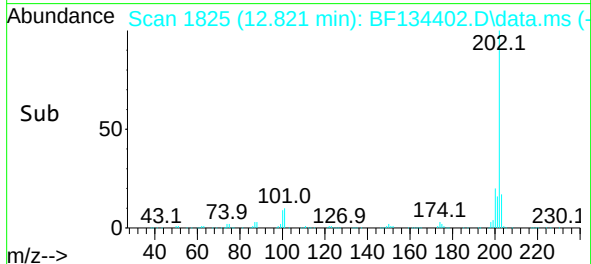
Instrument :
BNA_F
ClientSampleId :
TP16



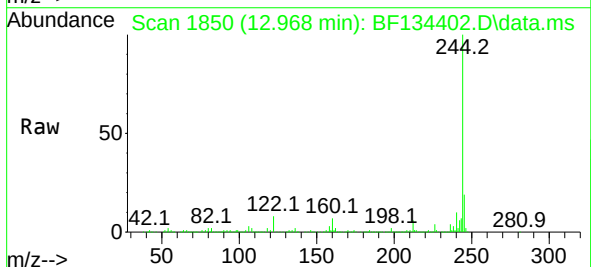
Tgt Ion:202 Resp: 143340
Ion Ratio Lower Upper
202 100
200 20.3 16.1 24.1
203 17.3 14.3 21.5

Manual Integrations
APPROVED

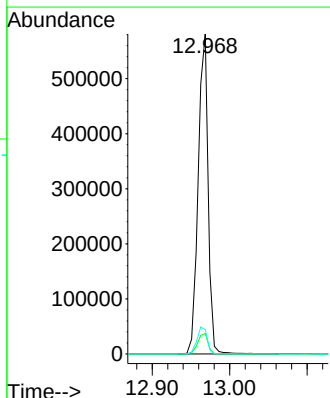
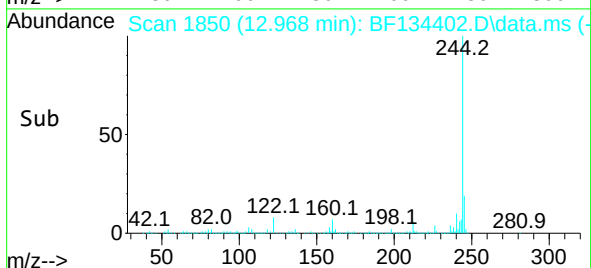
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023

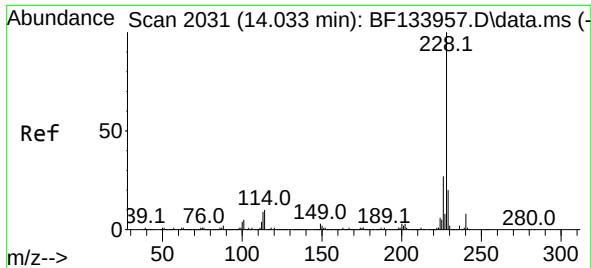


#79
Terphenyl-d14
Concen: 56.749 ng
RT: 12.968 min Scan# 1850
Delta R.T. -0.006 min
Lab File: BF134402.D
Acq: 21 Jul 2023 15:38



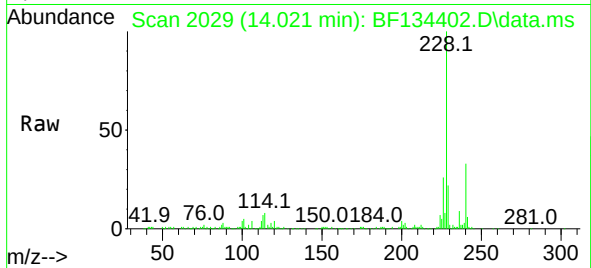
Tgt Ion:244 Resp: 517234
Ion Ratio Lower Upper
244 100
212 6.4 6.0 9.0
122 7.6 8.3 12.5





#81
Benzo(a)anthracene
Concen: 6.908 ng
RT: 14.021 min Scan# 2029
Delta R.T. -0.006 min
Lab File: BF134402.D
Acq: 21 Jul 2023 15:38

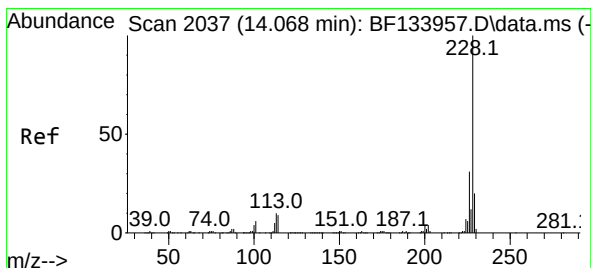
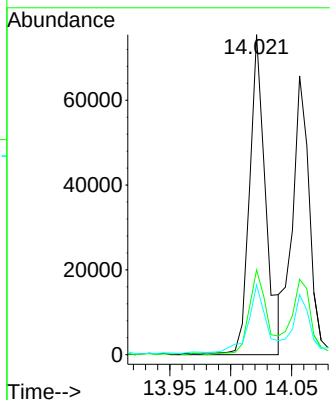
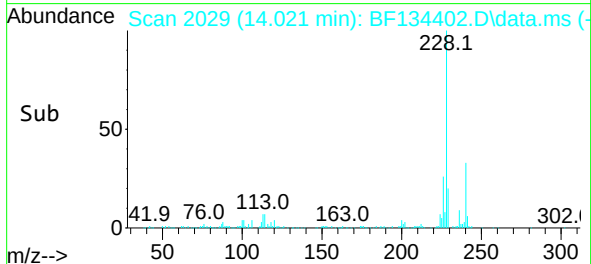
Instrument :
BNA_F
ClientSampleId :
TP16



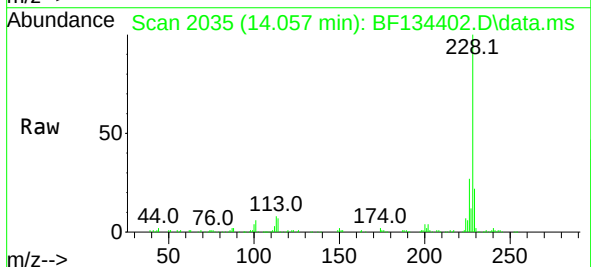
Tgt Ion:228 Resp: 70275
Ion Ratio Lower Upper
228 100
226 26.5 22.0 33.0
229 21.8 16.3 24.5

Manual Integrations
APPROVED

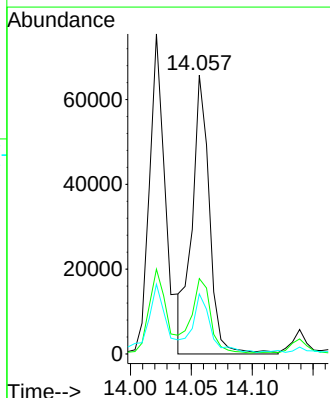
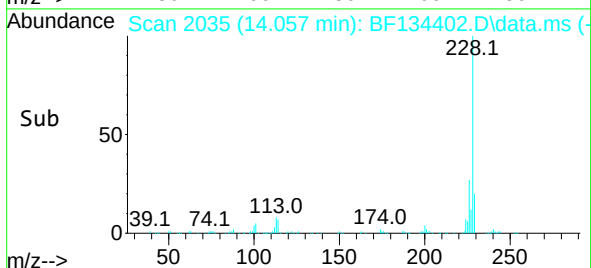
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023

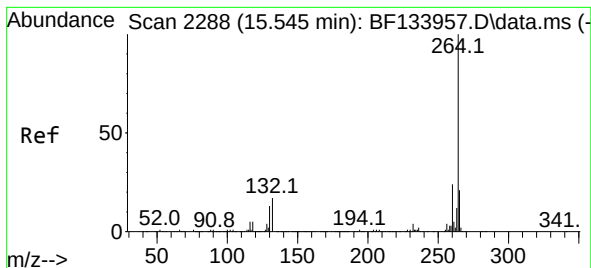


#83
Chrysene
Concen: 6.615 ng
RT: 14.057 min Scan# 2035
Delta R.T. -0.012 min
Lab File: BF134402.D
Acq: 21 Jul 2023 15:38



Tgt Ion:228 Resp: 65181
Ion Ratio Lower Upper
228 100
226 27.0 24.4 36.6
229 21.5 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF134402.D

Acq: 21 Jul 2023 15:38

Instrument :

BNA_F

ClientSampleId :

TP16

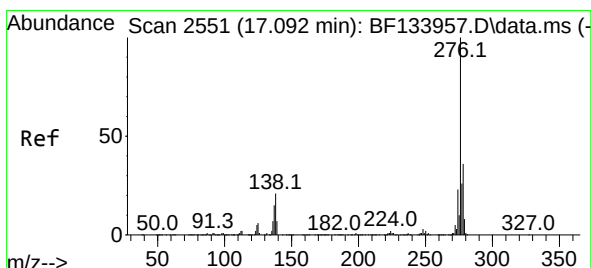
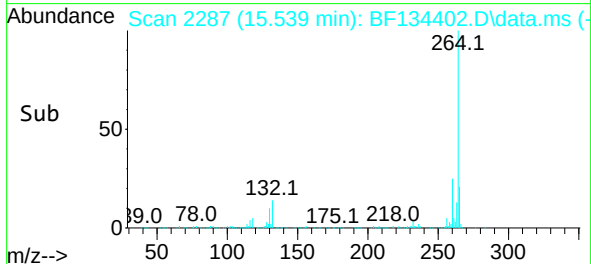
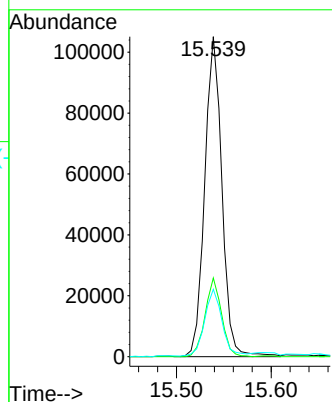
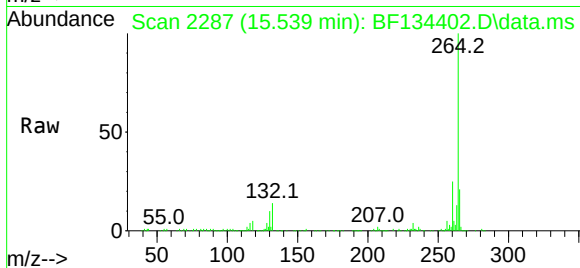
Tgt Ion:264 Resp: 13274
 Ion Ratio Lower Upper
 264 100
 260 24.6 19.5 29.3
 265 21.0 16.6 25.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/24/2023

Supervised By :mohammad ahmed 07/24/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.497 ng

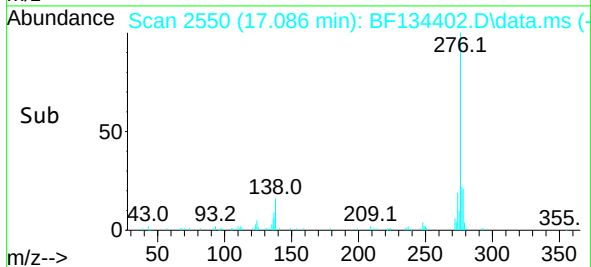
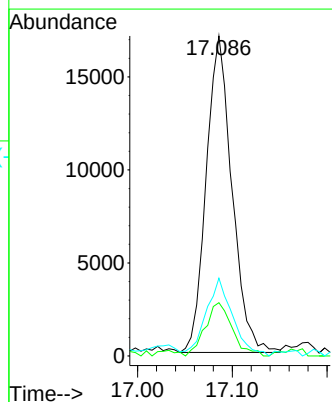
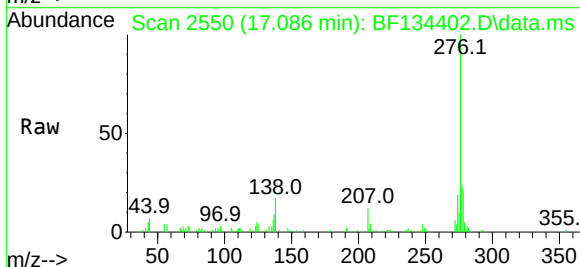
RT: 17.086 min Scan# 2550

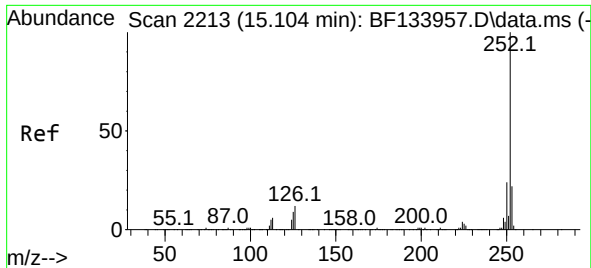
Delta R.T. -0.012 min

Lab File: BF134402.D

Acq: 21 Jul 2023 15:38

Tgt Ion:276 Resp: 32214
 Ion Ratio Lower Upper
 276 100
 138 17.6 18.7 28.1#
 277 25.5 19.9 29.9





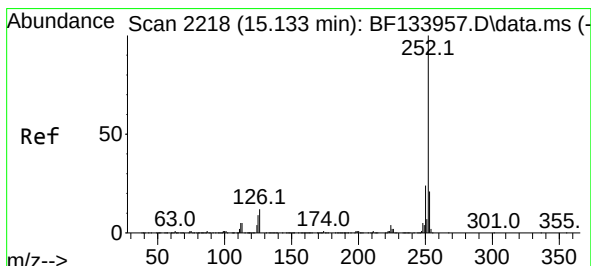
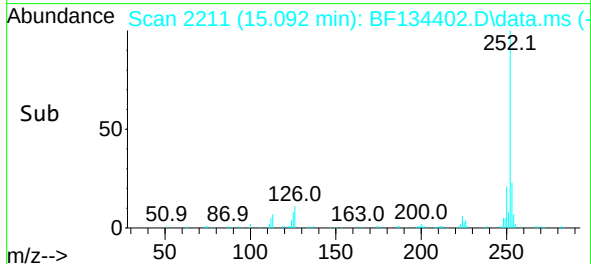
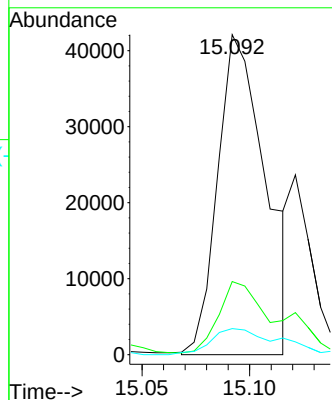
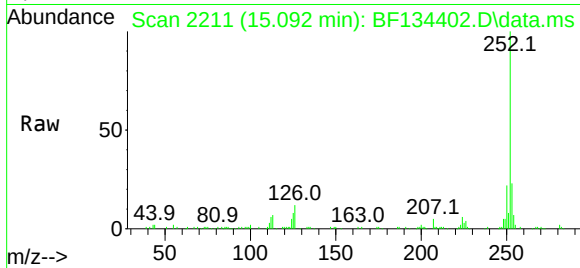
#88
Benzo(b)fluoranthene
Concen: 8.336 ng m
RT: 15.092 min Scan# 2116
Delta R.T. -0.012 min
Lab File: BF134402.D
Acq: 21 Jul 2023 15:38

Instrument :
BNA_F
ClientSampleId :
TP16

Tgt Ion:252 Resp: 65062
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.0
125 8.1 7.1 10.7

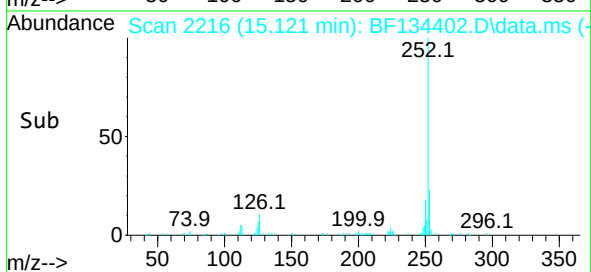
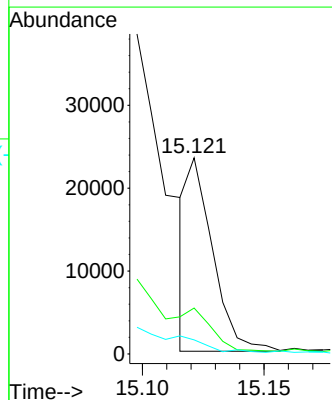
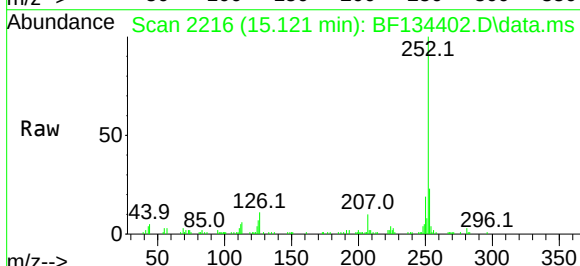
Manual Integrations
APPROVED

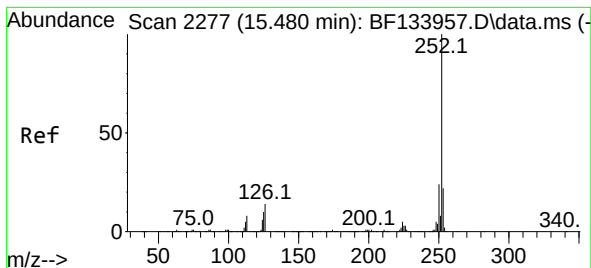
Reviewed By :Yogesh Patel 07/24/2023
Supervised By :mohammad ahmed 07/24/2023



#89
Benzo(k)fluoranthene
Concen: 2.107 ng m
RT: 15.121 min Scan# 2216
Delta R.T. -0.012 min
Lab File: BF134402.D
Acq: 21 Jul 2023 15:38

Tgt Ion:252 Resp: 16747
Ion Ratio Lower Upper
252 100
253 23.4 16.9 25.3
125 7.2 7.4 11.2#





#90

Benzo(a)pyrene

Concen: 5.823 ng

RT: 15.474 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF134402.D

Acq: 21 Jul 2023 15:38

Instrument :

BNA_F

ClientSampleId :

TP16

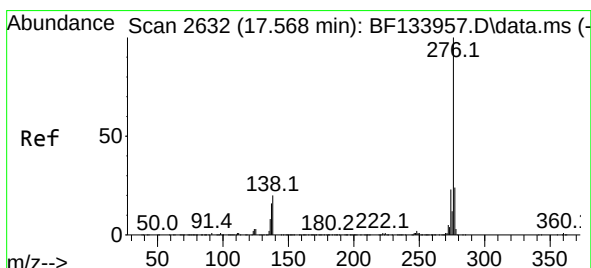
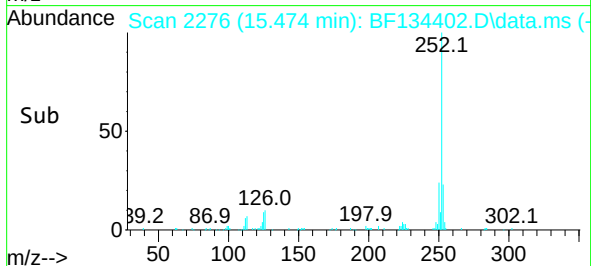
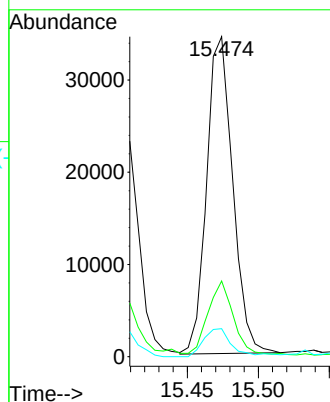
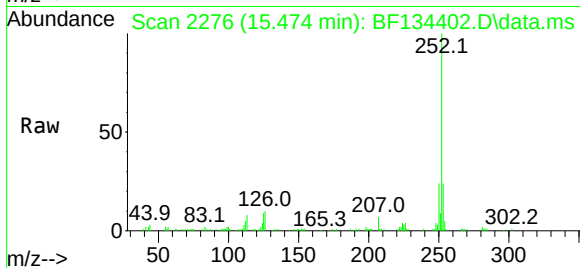
Tgt Ion:	252	Resp:	4395
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.4	26.0
125	8.8	8.4	12.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/24/2023

Supervised By :mohammad ahmed 07/24/2023



#92

Benzo(g,h,i)perylene

Concen: 3.968 ng

RT: 17.556 min Scan# 2630

Delta R.T. -0.012 min

Lab File: BF134402.D

Acq: 21 Jul 2023 15:38

Tgt Ion:	276	Resp:	30782
Ion Ratio	Lower	Upper	
276	100		
277	22.7	19.0	28.6
138	15.6	16.2	24.2

