

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100623\
 Data File : BF135634.D
 Acq On : 06 Oct 2023 17:53
 Operator : CG\JU
 Sample : 04735-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT2662

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/08/2023
 Supervised By :mohammad ahmed 10/08/2023

Quant Time: Oct 07 01:50:12 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 04 17:06:20 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	141251	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	563155	20.000	ng	# 0.00
39) Acenaphthene-d10	9.775	164	284629	20.000	ng	0.00
64) Phenanthrene-d10	11.269	188	525839	20.000	ng	0.00
76) Chrysene-d12	13.927	240	281819	20.000	ng	0.00
86) Perylene-d12	15.398	264	302586	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	904851	104.190	ng	0.01
7) Phenol-d6	6.392	99	1175572	106.454	ng	0.00
23) Nitrobenzene-d5	7.304	82	739596	71.351	ng	0.00
42) 2,4,6-Tribromophenol	10.575	330	260876	92.230	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	1214303	64.366	ng	0.00
79) Terphenyl-d14	12.863	244	1075447	59.157	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.292	178	160684	6.461	ng	99
75) Fluoranthene	12.492	202	396937	15.317	ng	100
78) Pyrene	12.721	202	321471	11.981	ng	99
81) Benzo(a)anthracene	13.915	228	128089	7.039	ng	98
83) Chrysene	13.957	228	149065	8.239	ng	98
84) Bis(2-ethylhexyl)phtha...	13.904	149	18065	1.863	ng	# 98
85) Di-n-octyl phthalate	14.515	149	21630	1.404	ng	# 70
87) Indeno(1,2,3-cd)pyrene	16.886	276	66749	3.364	ng	98
88) Benzo(b)fluoranthene	14.974	252	188633m	11.516	ng	
89) Benzo(k)fluoranthene	14.998	252	51558m	3.186	ng	
90) Benzo(a)pyrene	15.339	252	102830	6.583	ng	# 96
91) Dibenzo(a,h)anthracene	16.886	278	17064	1.051	ng	# 91
92) Benzo(g,h,i)perylene	17.339	276	61878	3.650	ng	94

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

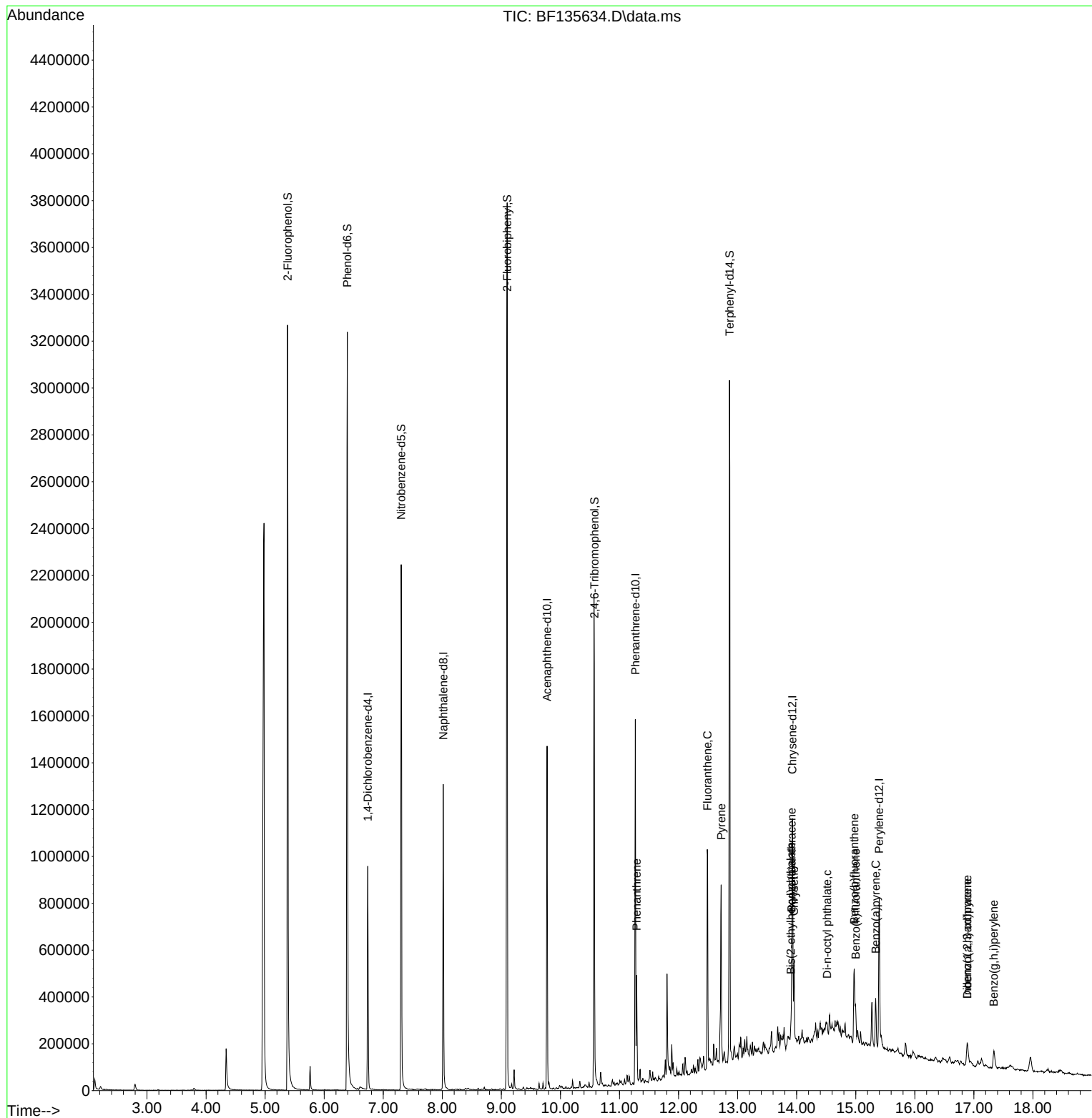
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100623\
Data File : BF135634.D
Acq On : 06 Oct 2023 17:53
Operator : CG\JU
Sample : 04735-02
Misc :
ALS Vial : 16 Sample Multiplier: 1

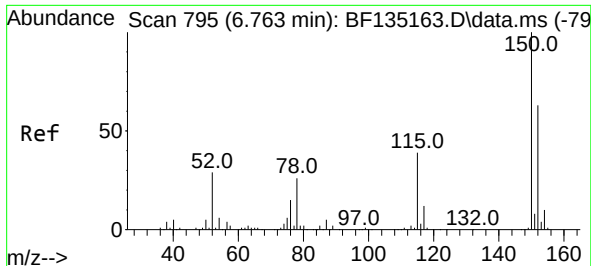
Instrument :
BNA_F
ClientSampleId :
RT2662

Quant Time: Oct 07 01:50:12 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 04 17:06:20 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

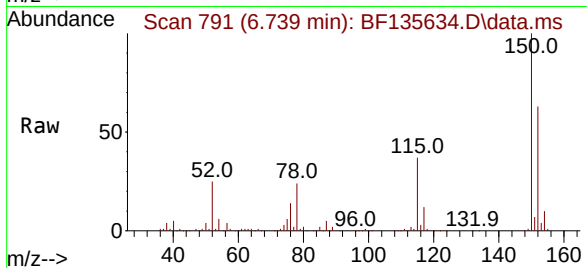
Reviewed By :Yogesh Patel 10/08/2023
Supervised By :mohammad ahmed 10/08/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.739 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF135634.D
Acq: 06 Oct 2023 17:53

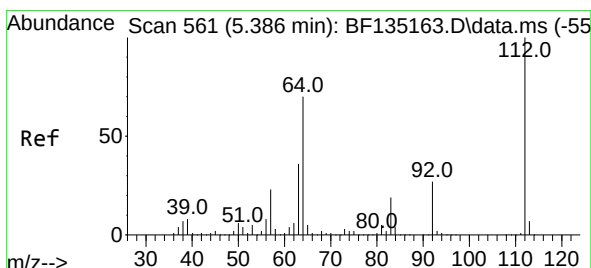
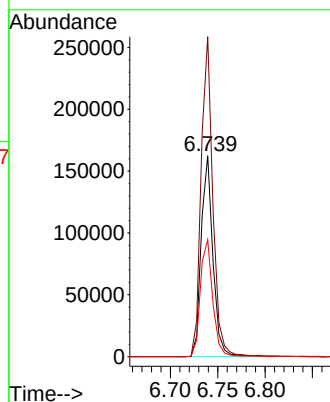
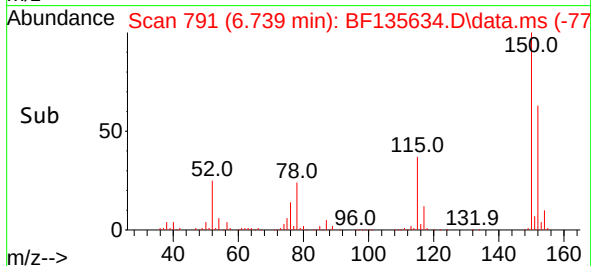
Instrument :
BNA_F
ClientSampleId :
RT2662



Tgt Ion:152 Resp: 14125
Ion Ratio Lower Upper
152 100
150 159.2 127.8 191.6
115 58.2 49.8 74.8

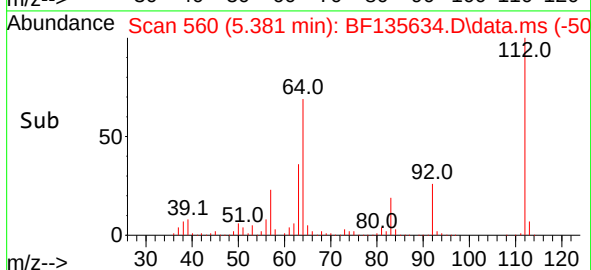
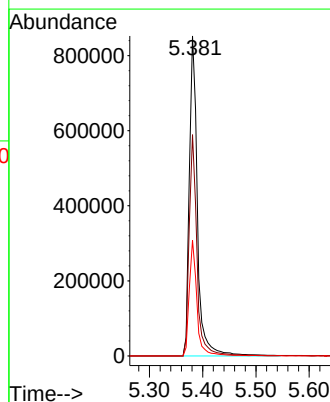
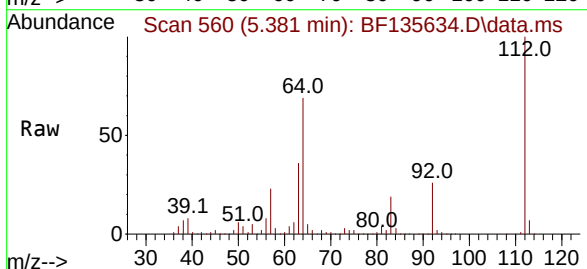
Manual Integrations
APPROVED

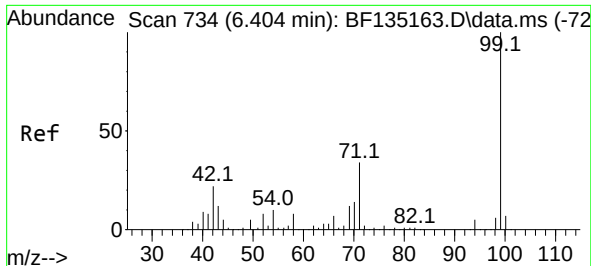
Reviewed By :Yogesh Patel 10/08/2023
Supervised By :mohammad ahmed 10/08/2023



#5
2-Fluorophenol
Concen: 104.190 ng
RT: 5.381 min Scan# 560
Delta R.T. 0.012 min
Lab File: BF135634.D
Acq: 06 Oct 2023 17:53

Tgt Ion:112 Resp: 904851
Ion Ratio Lower Upper
112 100
64 69.2 55.9 83.9
63 36.2 29.0 43.6





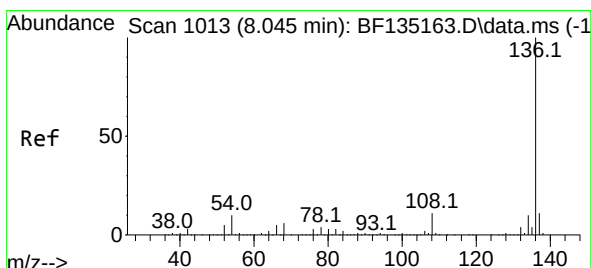
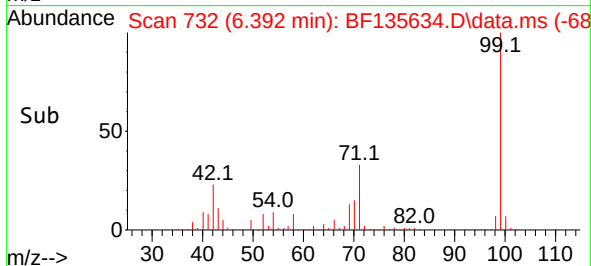
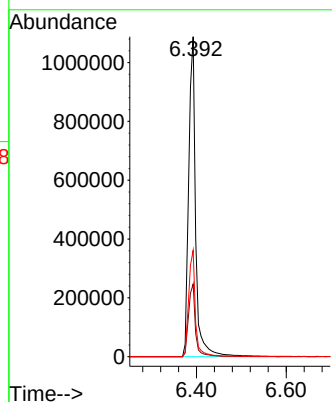
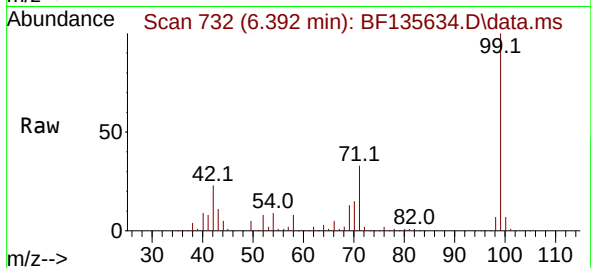
#7
Phenol-d6
Concen: 106.454 ng
RT: 6.392 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF135634.D
Acq: 06 Oct 2023 17:53

Instrument :
BNA_F
ClientSampleId :
RT2662

Tgt Ion: 99 Resp: 117557
Ion Ratio Lower Upper
99 100
42 22.7 17.9 26.9
71 33.3 27.0 40.6

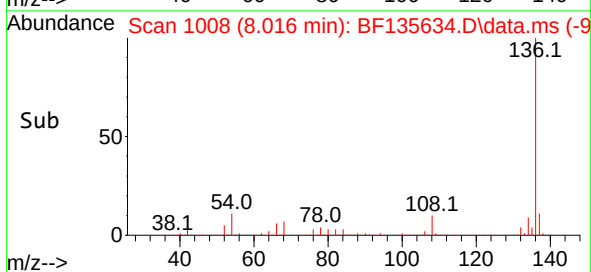
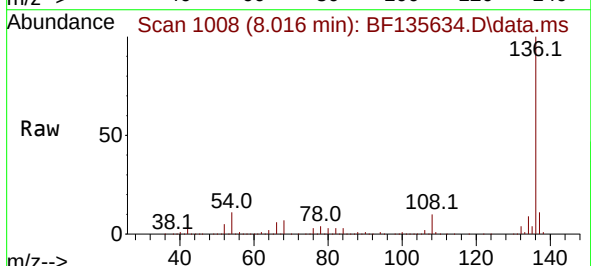
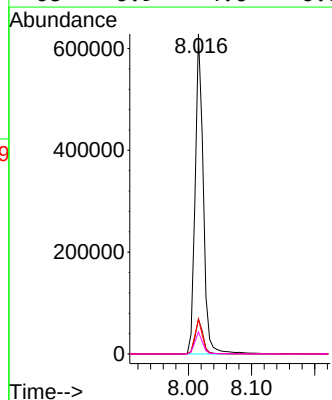
Manual Integrations
APPROVED

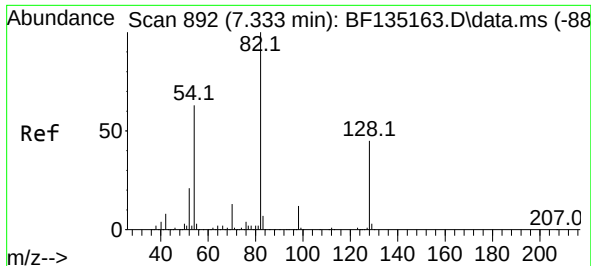
Reviewed By :Yogesh Patel 10/08/2023
Supervised By :mohammad ahmed 10/08/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. 0.000 min
Lab File: BF135634.D
Acq: 06 Oct 2023 17:53

Tgt Ion:136 Resp: 563155
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 10.8 7.7 11.5
68 6.9 4.6 6.8#





#23

Nitrobenzene-d5

Concen: 71.351 ng

RT: 7.304 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF135634.D

Acq: 06 Oct 2023 17:53

Instrument :

BNA_F

ClientSampleId :

RT2662

Tgt Ion: 82 Resp: 739590

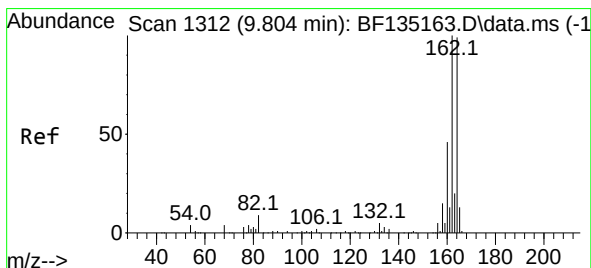
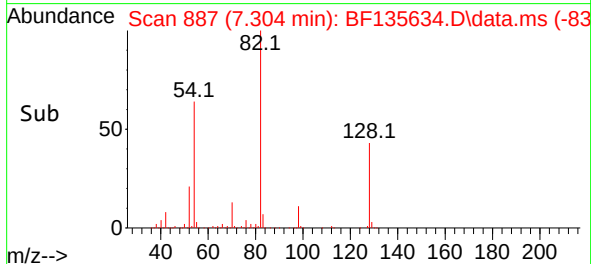
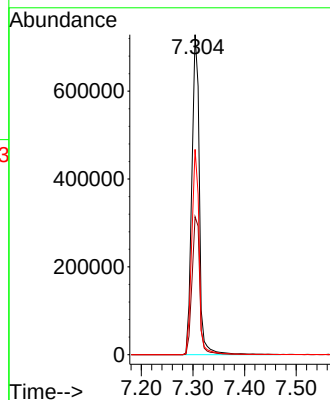
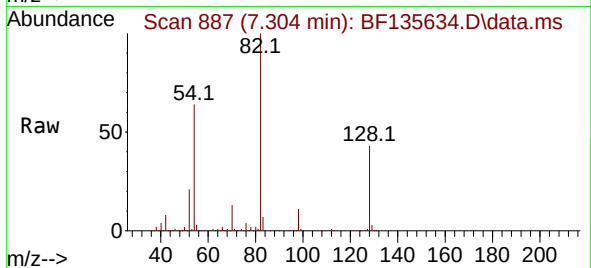
Ion	Ratio	Lower	Upper
82	100		
128	43.1	35.8	53.6
54	64.2	50.6	76.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/08/2023

Supervised By :mohammad ahmed 10/08/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.775 min Scan# 1307

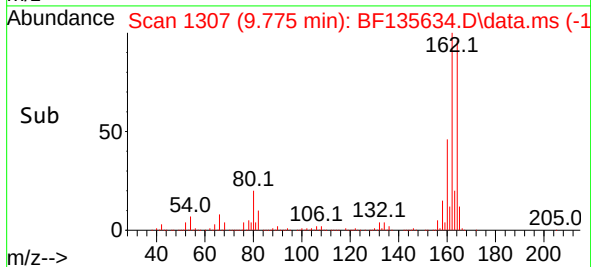
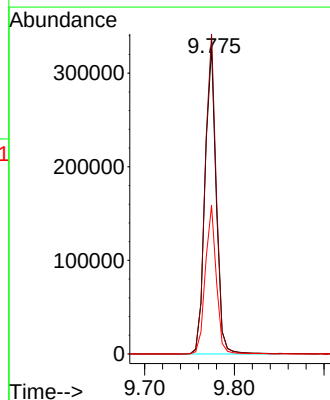
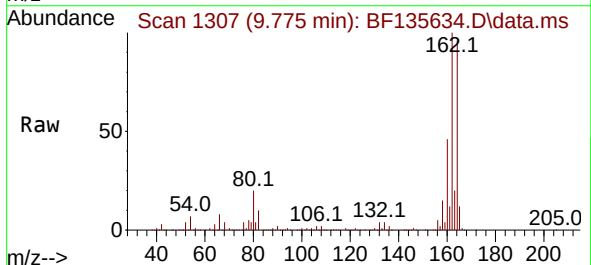
Delta R.T. 0.000 min

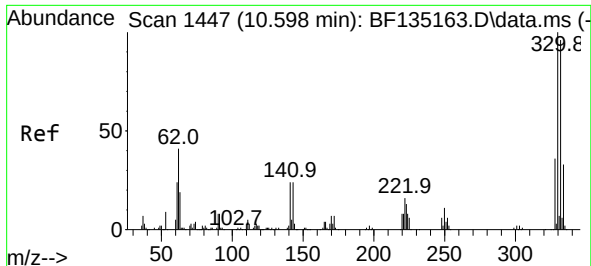
Lab File: BF135634.D

Acq: 06 Oct 2023 17:53

Tgt Ion:164 Resp: 284629

Ion	Ratio	Lower	Upper
164	100		
162	104.4	81.0	121.4
160	48.4	37.0	55.4





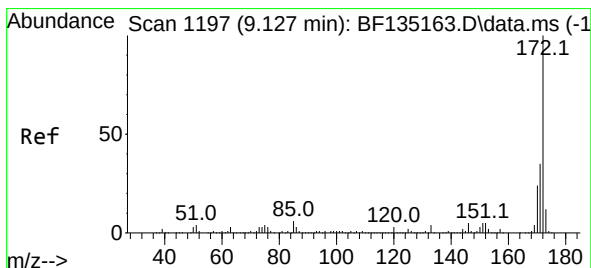
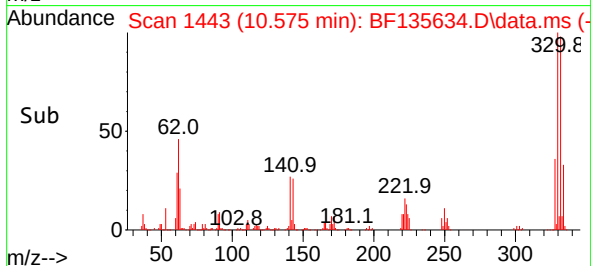
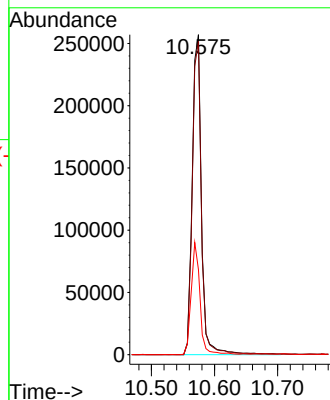
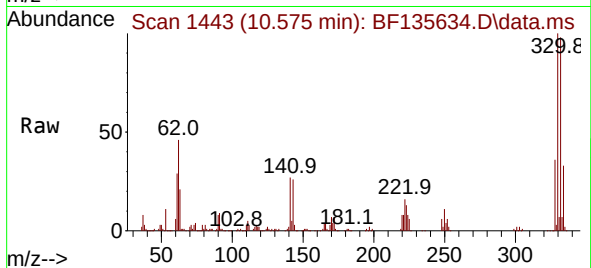
#42
2,4,6-Tribromophenol
Concen: 92.230 ng
RT: 10.575 min Scan# 1447
Delta R.T. 0.006 min
Lab File: BF135634.D
Acq: 06 Oct 2023 17:53

Instrument :
BNA_F
ClientSampleId :
RT2662

Tgt Ion: 330 Resp: 260870
Ion Ratio Lower Upper
330 100
332 96.9 77.3 115.9
141 33.7 25.8 38.8

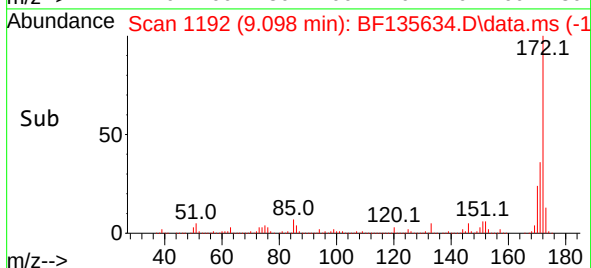
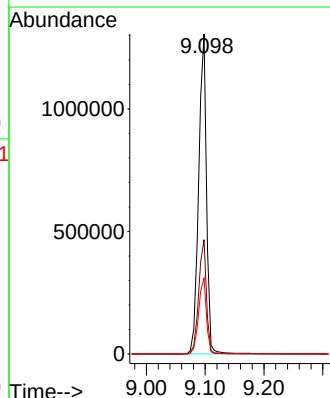
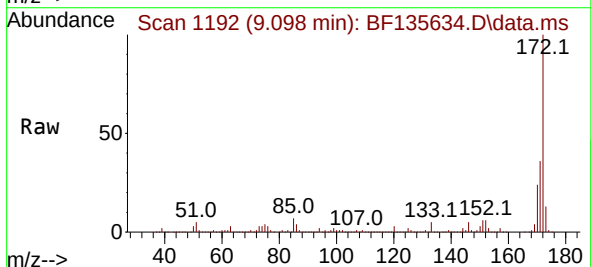
Manual Integrations
APPROVED

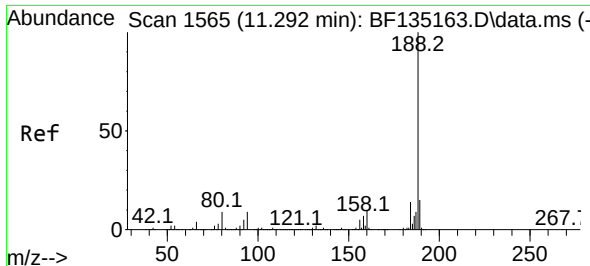
Reviewed By : Yogesh Patel 10/08/2023
Supervised By : mohammad ahmed 10/08/2023



#45
2-Fluorobiphenyl
Concen: 64.366 ng
RT: 9.098 min Scan# 1192
Delta R.T. 0.000 min
Lab File: BF135634.D
Acq: 06 Oct 2023 17:53

Tgt Ion: 172 Resp: 1214303
Ion Ratio Lower Upper
172 100
171 35.7 28.4 42.6
170 23.7 19.0 28.4





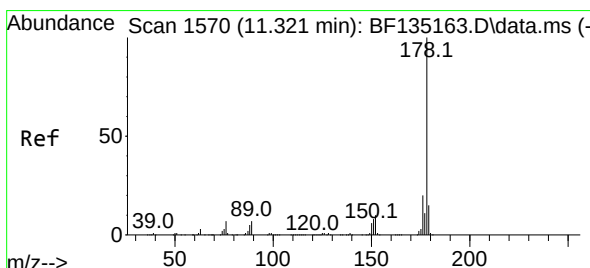
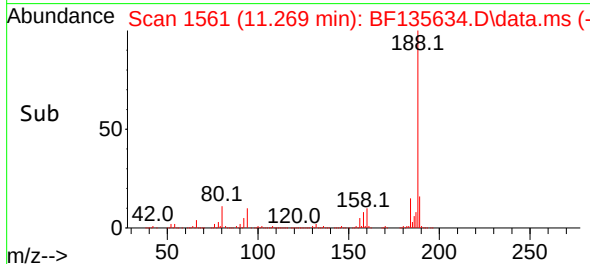
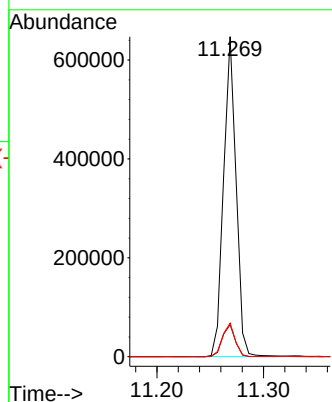
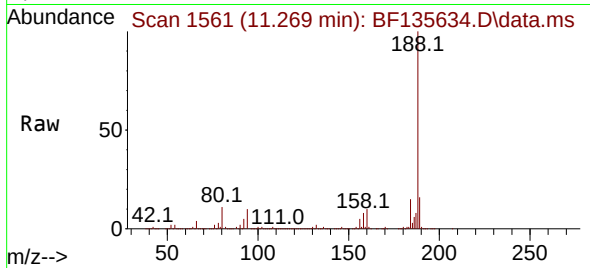
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF135634.D
Acq: 06 Oct 2023 17:53

Instrument :
BNA_F
ClientSampleId :
RT2662

Tgt Ion:188 Resp: 525839
Ion Ratio Lower Upper
188 100
94 10.0 7.0 10.6
80 10.5 7.5 11.3

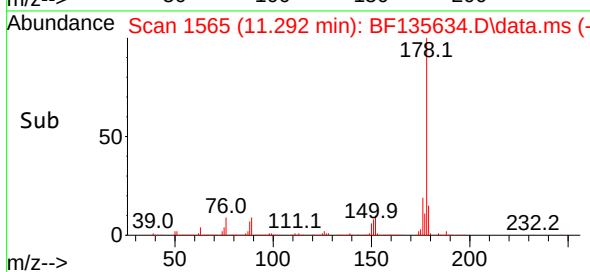
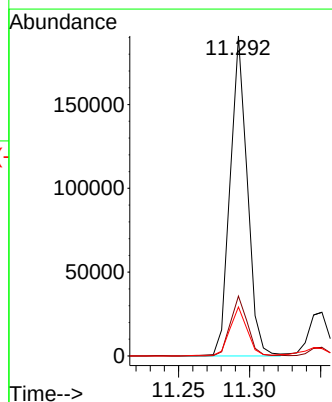
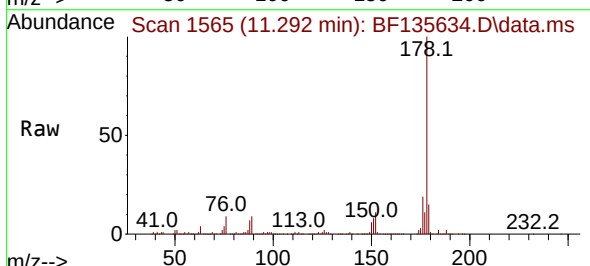
Manual Integrations
APPROVED

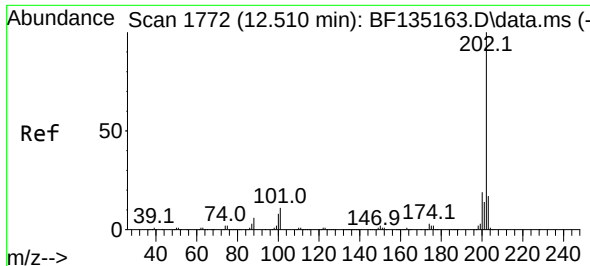
Reviewed By :Yogesh Patel 10/08/2023
Supervised By :mohammad ahmed 10/08/2023



#71
Phenanthrene
Concen: 6.461 ng
RT: 11.292 min Scan# 1565
Delta R.T. 0.000 min
Lab File: BF135634.D
Acq: 06 Oct 2023 17:53

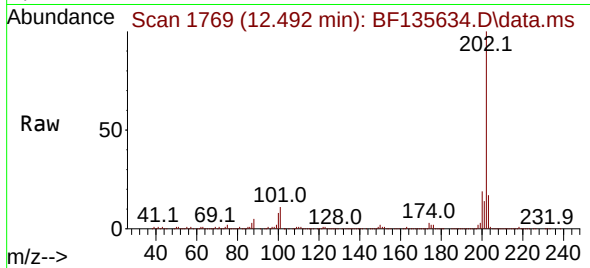
Tgt Ion:178 Resp: 160684
Ion Ratio Lower Upper
178 100
176 18.7 15.6 23.4
179 15.3 12.0 18.0





#75
Fluoranthene
Concen: 15.317 ng
RT: 12.492 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF135634.D
Acq: 06 Oct 2023 17:53

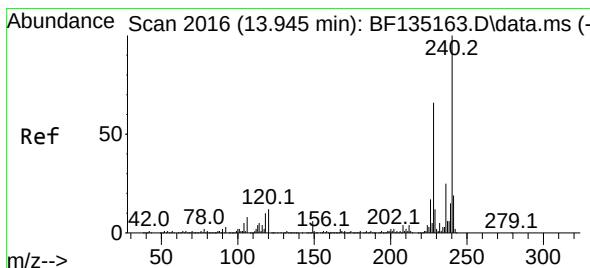
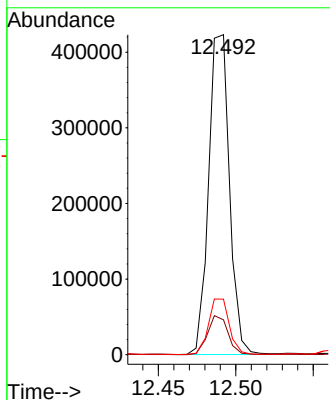
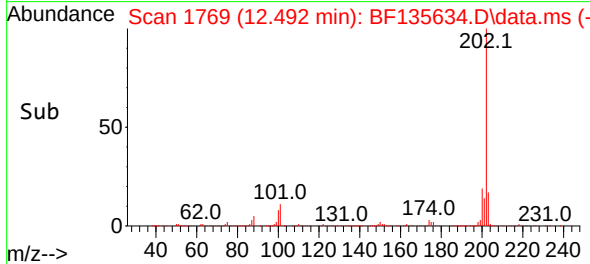
Instrument :
BNA_F
ClientSampleId :
RT2662



Tgt Ion:202 Resp: 39693
Ion Ratio Lower Upper
202 100
101 10.9 0.0 31.3
203 17.4 0.0 37.4

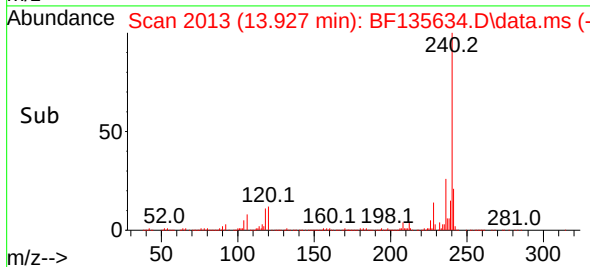
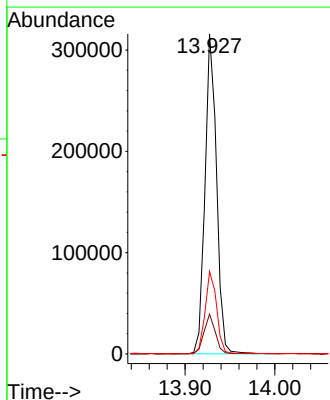
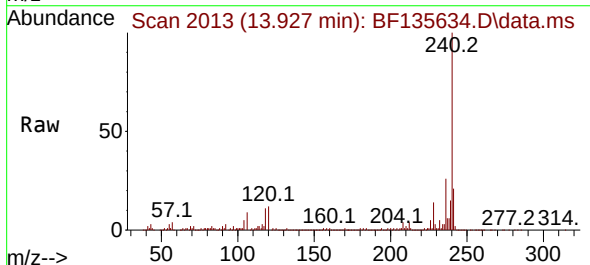
Manual Integrations
APPROVED

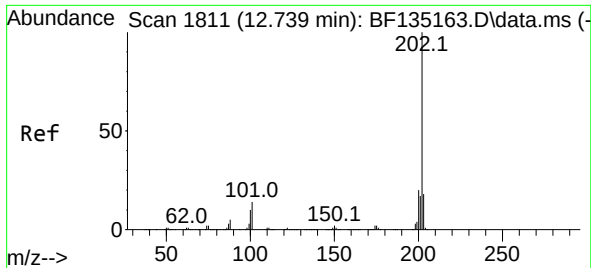
Reviewed By :Yogesh Patel 10/08/2023
Supervised By :mohammad ahmed 10/08/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.927 min Scan# 2013
Delta R.T. 0.000 min
Lab File: BF135634.D
Acq: 06 Oct 2023 17:53

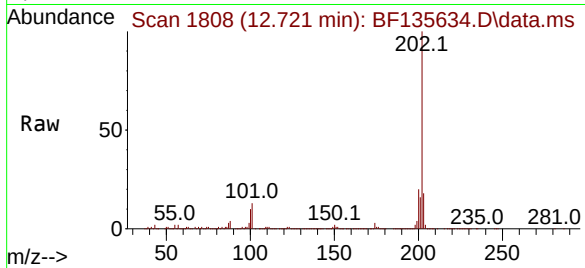
Tgt Ion:240 Resp: 281819
Ion Ratio Lower Upper
240 100
120 12.4 9.4 14.2
236 25.7 19.8 29.8





#78
Pyrene
Concen: 11.981 ng
RT: 12.721 min Scan# 1808
Delta R.T. 0.006 min
Lab File: BF135634.D
Acq: 06 Oct 2023 17:53

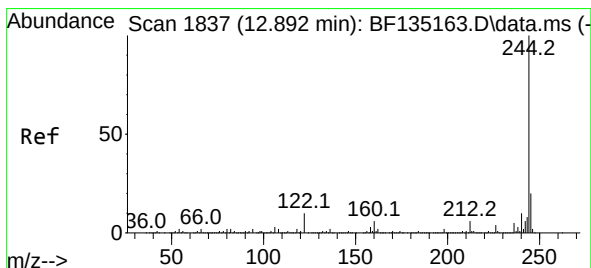
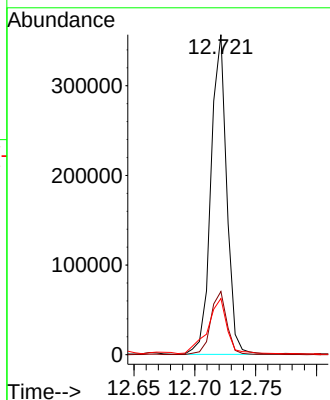
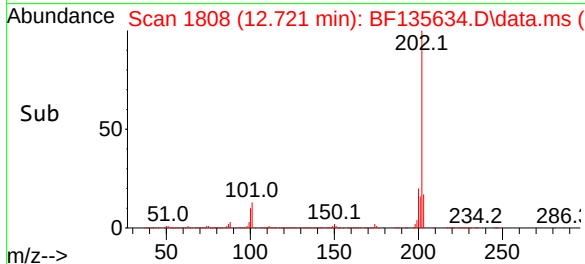
Instrument :
BNA_F
ClientSampleId :
RT2662



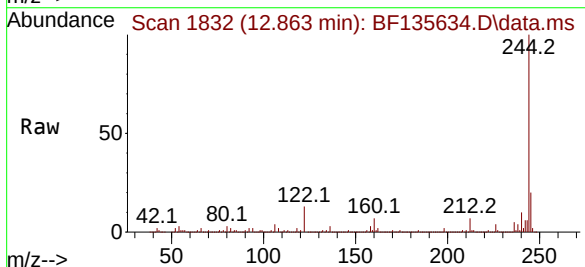
Tgt Ion:202 Resp: 32147
Ion Ratio Lower Upper
202 100
200 19.8 16.2 24.2
203 17.6 14.2 21.4

Manual Integrations
APPROVED

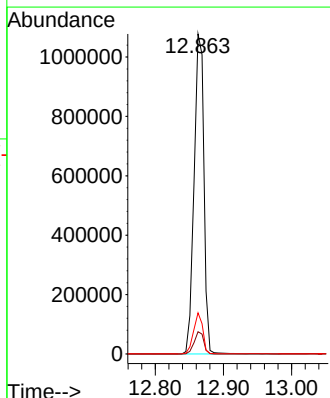
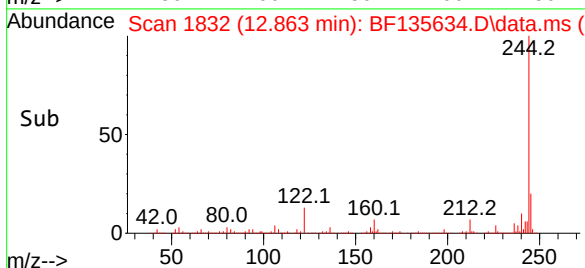
Reviewed By :Yogesh Patel 10/08/2023
Supervised By :mohammad ahmed 10/08/2023

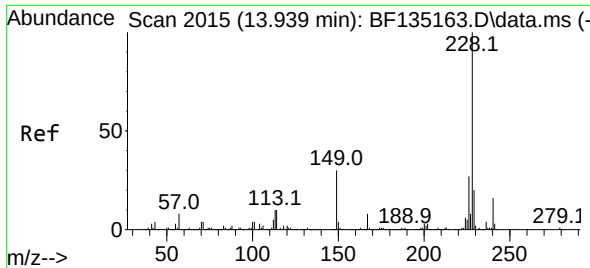


#79
Terphenyl-d14
Concen: 59.157 ng
RT: 12.863 min Scan# 1832
Delta R.T. 0.000 min
Lab File: BF135634.D
Acq: 06 Oct 2023 17:53



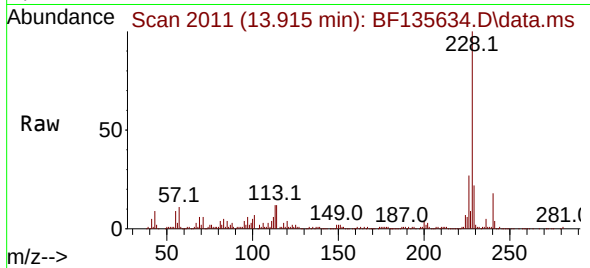
Tgt Ion:244 Resp: 1075447
Ion Ratio Lower Upper
244 100
212 7.0 5.1 7.7
122 12.9 7.9 11.9#





#81
Benzo(a)anthracene
Concen: 7.039 ng
RT: 13.915 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BF135634.D
Acq: 06 Oct 2023 17:53

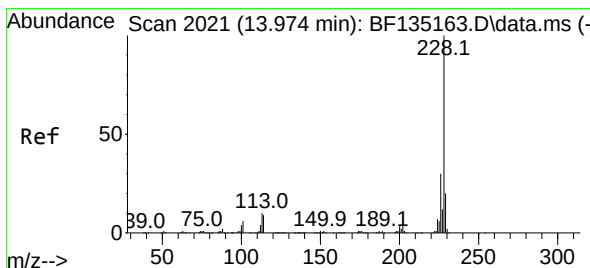
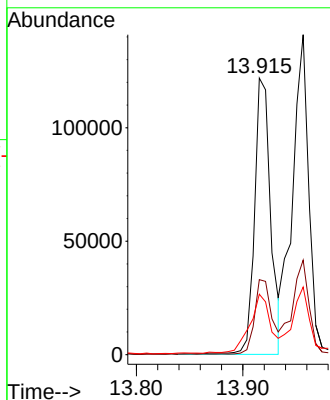
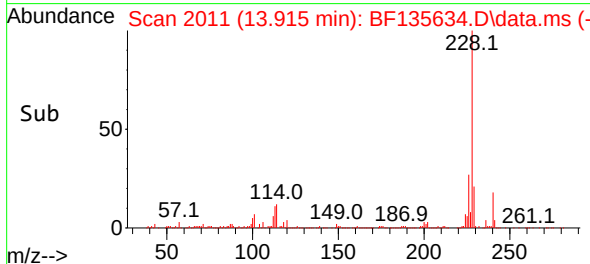
Instrument :
BNA_F
ClientSampleId :
RT2662



Tgt Ion:228 Resp: 128089
Ion Ratio Lower Upper
228 100
226 27.1 21.7 32.5
229 21.9 15.8 23.8

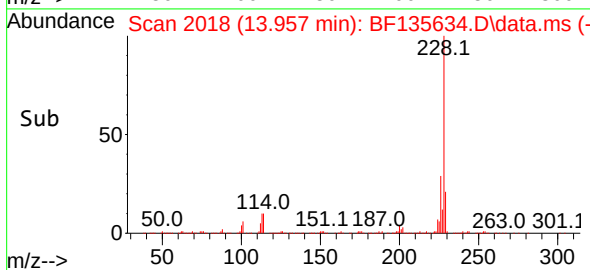
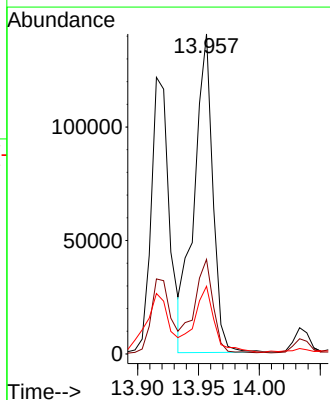
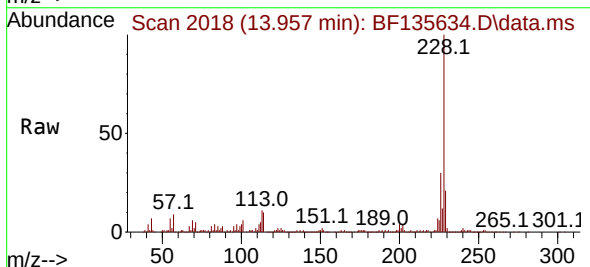
Manual Integrations
APPROVED

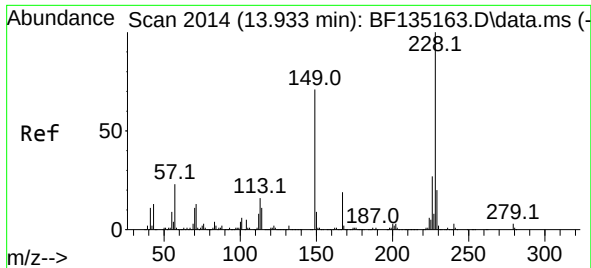
Reviewed By :Yogesh Patel 10/08/2023
Supervised By :mohammad ahmed 10/08/2023



#83
Chrysene
Concen: 8.239 ng
RT: 13.957 min Scan# 2018
Delta R.T. 0.006 min
Lab File: BF135634.D
Acq: 06 Oct 2023 17:53

Tgt Ion:228 Resp: 149065
Ion Ratio Lower Upper
228 100
226 29.6 24.3 36.5
229 21.1 16.0 24.0





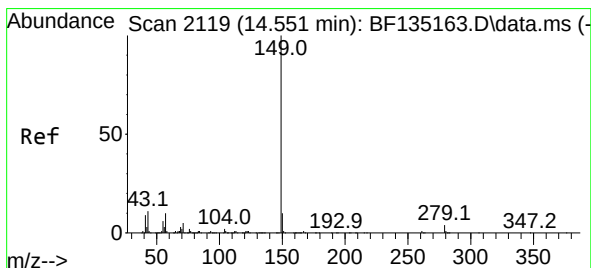
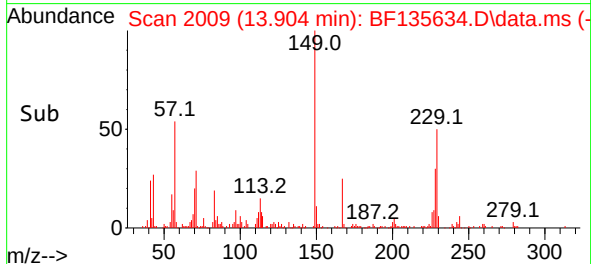
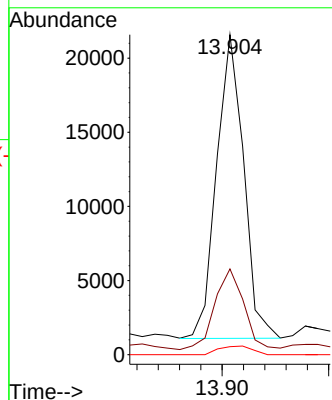
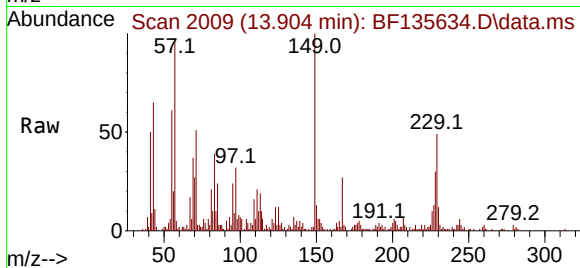
#84
Bis(2-ethylhexyl)phthalate
Concen: 1.863 ng
RT: 13.904 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF135634.D
Acq: 06 Oct 2023 17:53

Instrument :
BNA_F
ClientSampleId :
RT2662

Tgt Ion:149 Resp: 1806
Ion Ratio Lower Upper
149 100
167 26.8 21.9 32.9
279 2.5 3.3 4.9

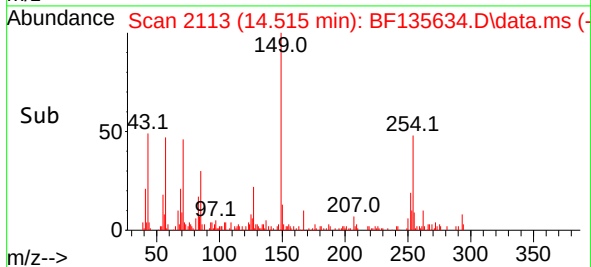
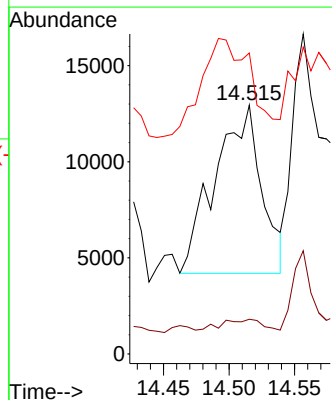
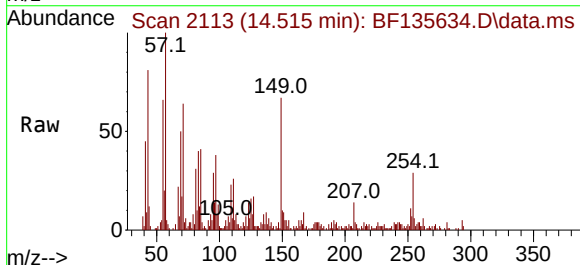
Manual Integrations
APPROVED

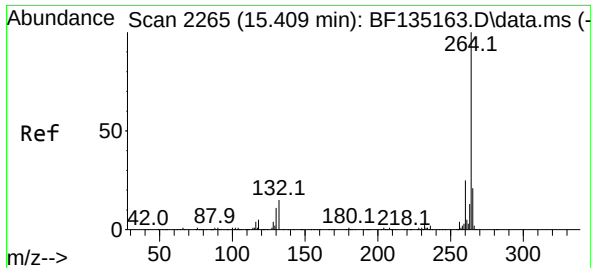
Reviewed By :Yogesh Patel 10/08/2023
Supervised By :mohammad ahmed 10/08/2023



#85
Di-n-octyl phthalate
Concen: 1.404 ng
RT: 14.515 min Scan# 2113
Delta R.T. -0.006 min
Lab File: BF135634.D
Acq: 06 Oct 2023 17:53

Tgt Ion:149 Resp: 21630
Ion Ratio Lower Upper
149 100
167 7.6 1.1 1.7#
43 0.0 9.8 14.6#





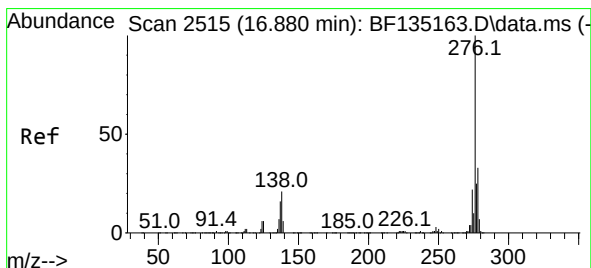
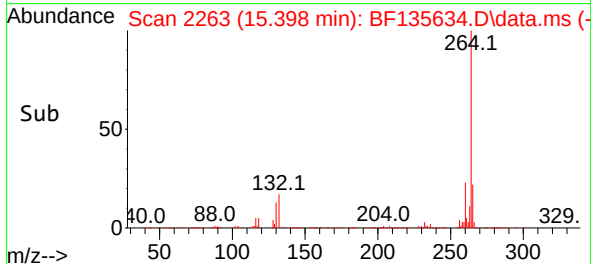
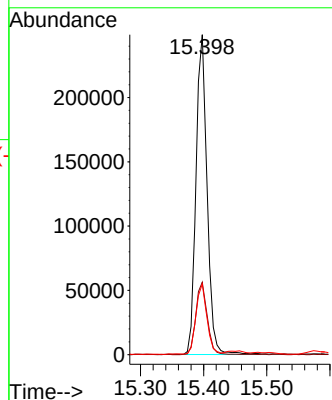
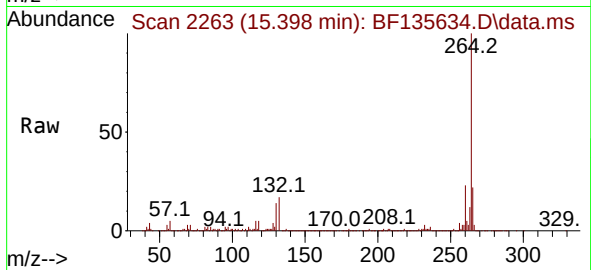
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.398 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF135634.D
Acq: 06 Oct 2023 17:53

Instrument :
BNA_F
ClientSampleId :
RT2662

Tgt Ion:264 Resp: 302580
Ion Ratio Lower Upper
264 100
260 22.7 19.8 29.6
265 22.1 17.0 25.4

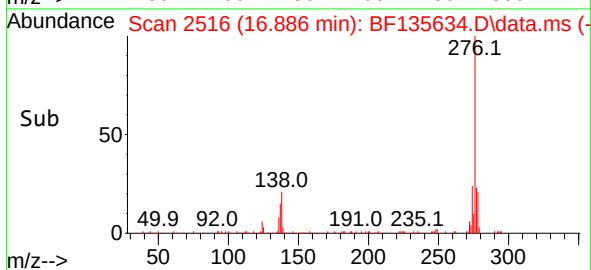
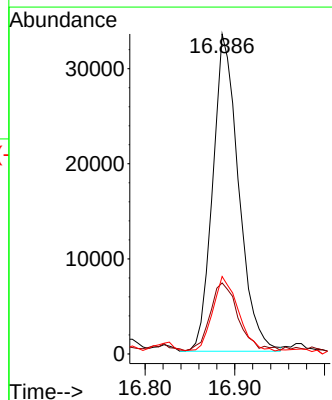
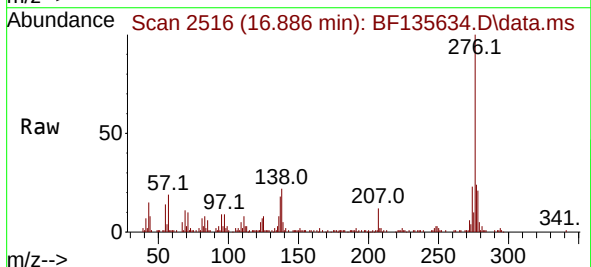
Manual Integrations
APPROVED

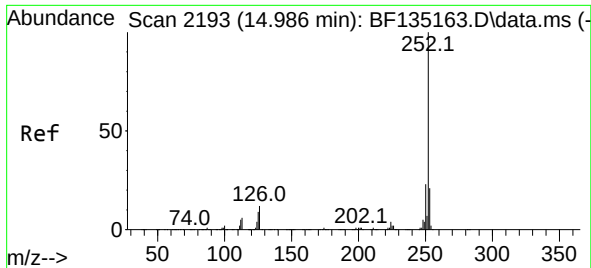
Reviewed By :Yogesh Patel 10/08/2023
Supervised By :mohammad ahmed 10/08/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.364 ng
RT: 16.886 min Scan# 2516
Delta R.T. 0.018 min
Lab File: BF135634.D
Acq: 06 Oct 2023 17:53

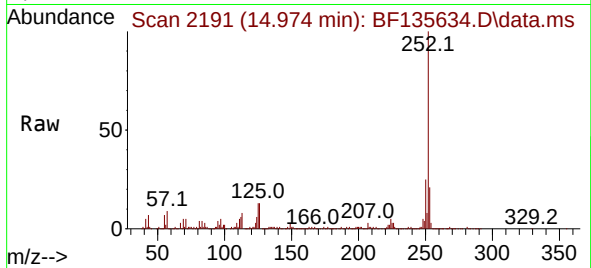
Tgt Ion:276 Resp: 66749
Ion Ratio Lower Upper
276 100
138 23.2 19.2 28.8
277 23.2 19.7 29.5





#88
Benzo(b)fluoranthene
Concen: 11.516 ng m
RT: 14.974 min Scan# 2191
Delta R.T. 0.012 min
Lab File: BF135634.D
Acq: 06 Oct 2023 17:53

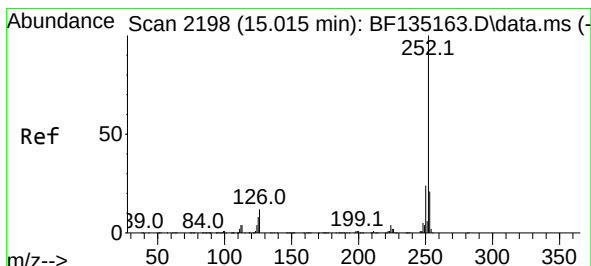
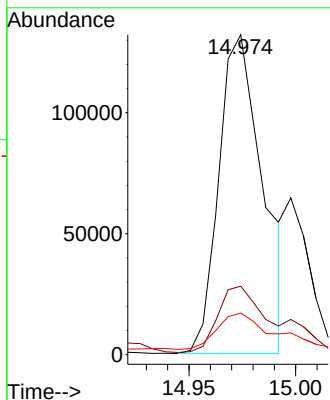
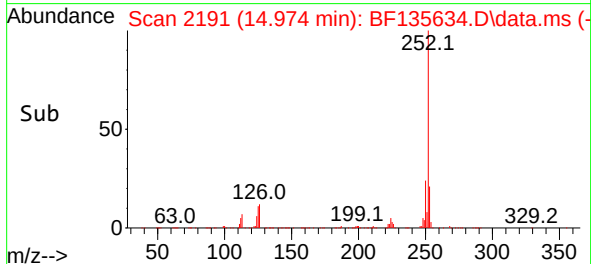
Instrument :
BNA_F
ClientSampleId :
RT2662



Tgt Ion:252 Resp: 18863
Ion Ratio Lower Upper
252 100
253 21.4 17.2 25.8
125 13.0 7.1 10.7

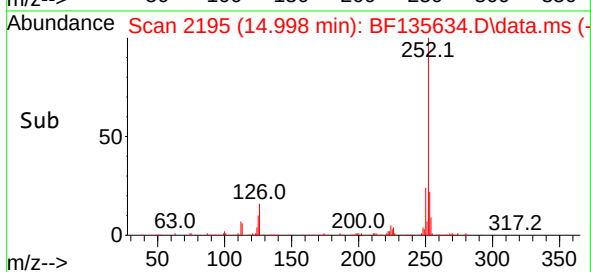
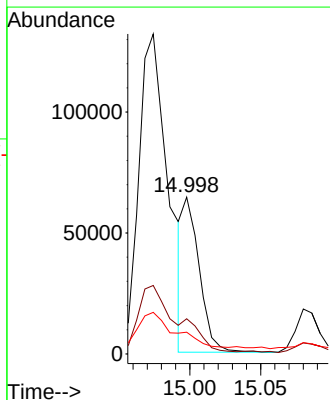
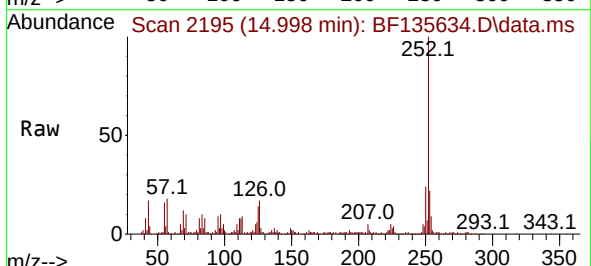
Manual Integrations
APPROVED

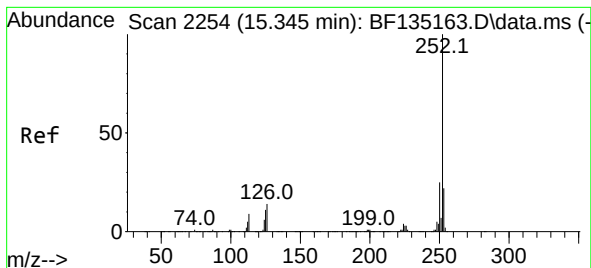
Reviewed By :Yogesh Patel 10/08/2023
Supervised By :mohammad ahmed 10/08/2023



#89
Benzo(k)fluoranthene
Concen: 3.186 ng m
RT: 14.998 min Scan# 2195
Delta R.T. 0.006 min
Lab File: BF135634.D
Acq: 06 Oct 2023 17:53

Tgt Ion:252 Resp: 51558
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.0
125 13.9 7.2 10.8





#90

Benzo(a)pyrene

Concen: 6.583 ng

RT: 15.339 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF135634.D

Acq: 06 Oct 2023 17:53

Instrument :

BNA_F

ClientSampleId :

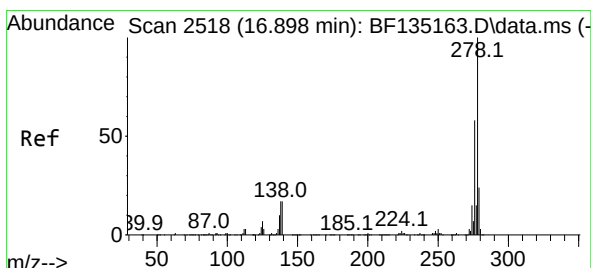
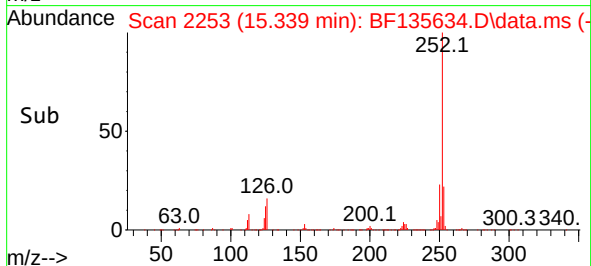
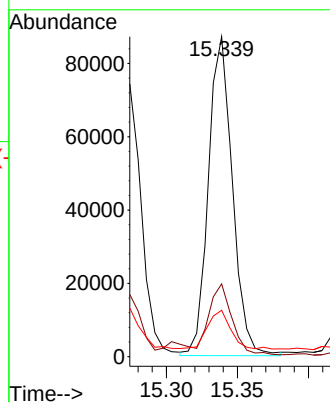
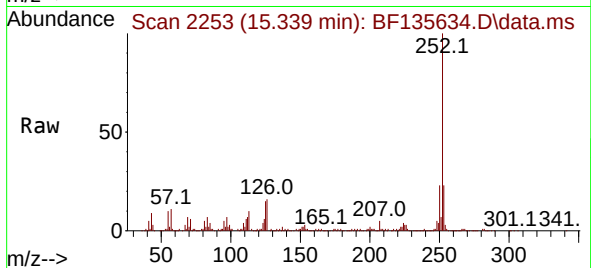
RT2662

Tgt Ion:252 Resp: 102830
 Ion Ratio Lower Upper
 252 100
 253 22.8 17.5 26.3
 125 14.5 9.2 13.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/08/2023
 Supervised By :mohammad ahmed 10/08/2023



#91

Dibenzo(a,h)anthracene

Concen: 1.051 ng

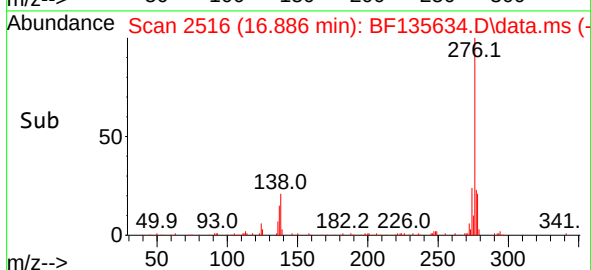
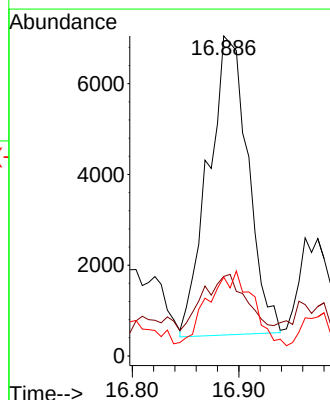
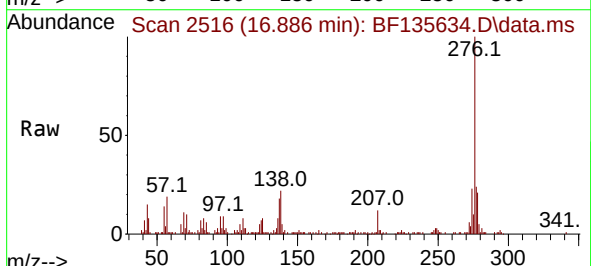
RT: 16.886 min Scan# 2516

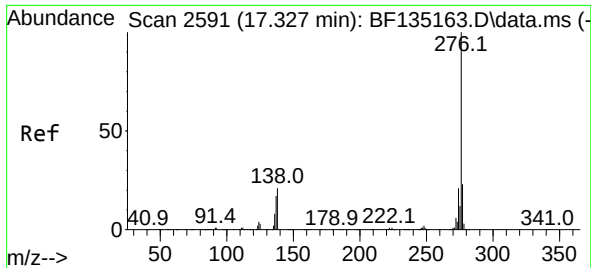
Delta R.T. 0.006 min

Lab File: BF135634.D

Acq: 06 Oct 2023 17:53

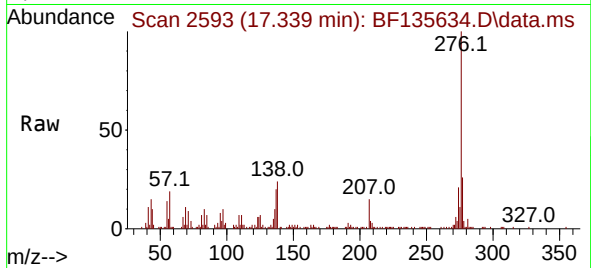
Tgt Ion:278 Resp: 17064
 Ion Ratio Lower Upper
 278 100
 139 24.8 13.4 20.0#
 279 24.6 19.0 28.6





#92
 Benzo(g,h,i)perylene
 Concen: 3.650 ng
 RT: 17.339 min Scan# 21
 Delta R.T. 0.024 min
 Lab File: BF135634.D
 Acq: 06 Oct 2023 17:53

Instrument :
 BNA_F
 ClientSampleId :
 RT2662



Tgt Ion: 276 Resp: 61878

Ion	Ratio	Lower	Upper
276	100		
277	25.9	18.8	28.2
138	24.3	16.9	25.3

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/08/2023
 Supervised By :mohammad ahmed 10/08/2023

