

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100223\
 Data File : BF135534.D
 Acq On : 02 Oct 2023 18:46
 Operator : CG\JU
 Sample : 04642-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PAT-01-09272023

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/03/2023
 Supervised By :mohammad ahmed 10/04/2023

Quant Time: Oct 02 19:05:27 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 30 00:12:20 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.745	152	150794	20.000	ng	0.00
21) Naphthalene-d8	8.022	136	541705	20.000	ng	0.00
39) Acenaphthene-d10	9.774	164	230898	20.000	ng	-0.01
64) Phenanthrene-d10	11.269	188	364304	20.000	ng	0.00
76) Chrysene-d12	13.927	240	285487	20.000	ng	0.00
86) Perylene-d12	15.392	264	296005	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	752214	81.133	ng	0.00
7) Phenol-d6	6.392	99	938908	79.642	ng	-0.01
23) Nitrobenzene-d5	7.310	82	571853	57.353	ng	-0.01
42) 2,4,6-Tribromophenol	10.569	330	147466	64.267	ng	-0.01
45) 2-Fluorobiphenyl	9.098	172	816186	53.331	ng	-0.01
79) Terphenyl-d14	12.863	244	555110	30.142	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.292	178	79547	4.617	ng	97
75) Fluoranthene	12.492	202	190670	10.620	ng	99
78) Pyrene	12.721	202	174961	6.437	ng	99
81) Benzo(a)anthracene	13.915	228	108343	5.877	ng	98
83) Chrysene	13.951	228	120186	6.557	ng	98
87) Indeno(1,2,3-cd)pyrene	16.874	276	55287	2.849	ng	96
88) Benzo(b)fluoranthene	14.968	252	169575m	10.583	ng	
89) Benzo(k)fluoranthene	14.992	252	50711m	3.204	ng	
90) Benzo(a)pyrene	15.333	252	99135	6.488	ng	97
92) Benzo(g,h,i)perylene	17.327	276	51908	3.130	ng #	93

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

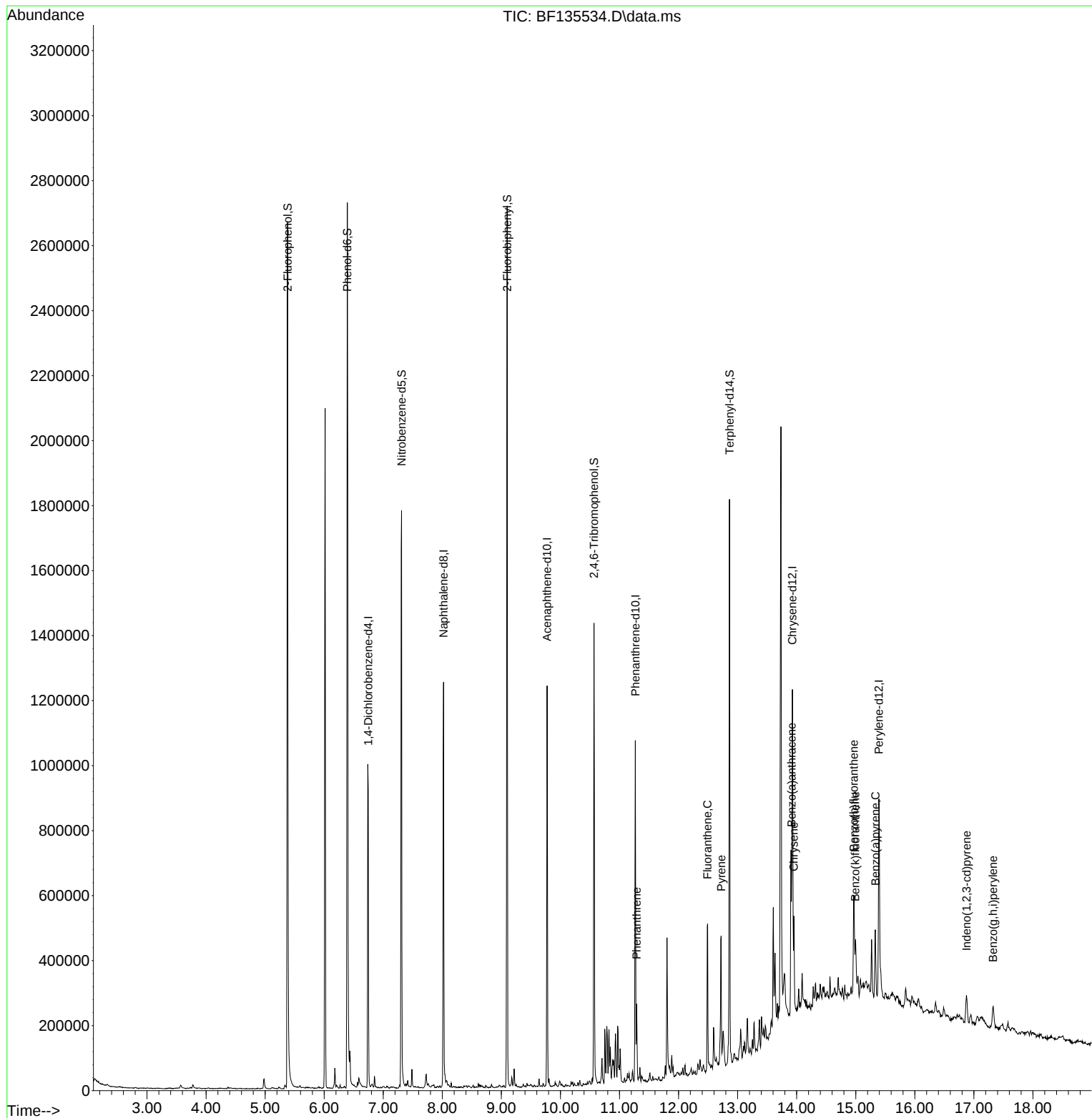
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100223\
Data File : BF135534.D
Acq On : 02 Oct 2023 18:46
Operator : CG\JU
Sample : 04642-01
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PAT-01-09272023

Quant Time: Oct 02 19:05:27 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 30 00:12:20 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

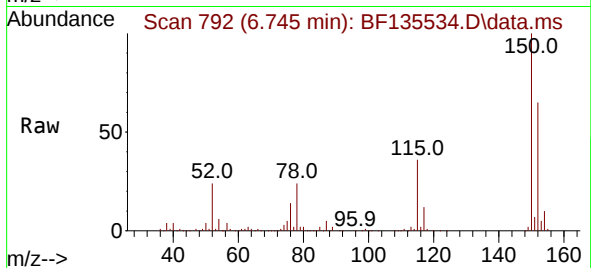
Reviewed By :Yogesh Patel 10/03/2023
Supervised By :mohammad ahmed 10/04/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.745 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF135534.D
Acq: 02 Oct 2023 18:46

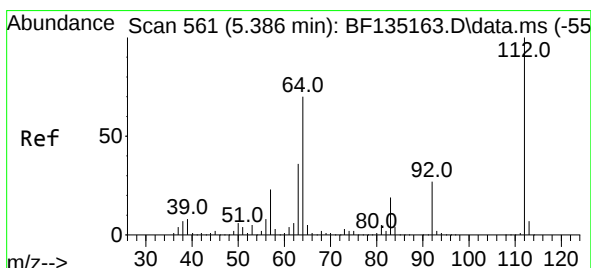
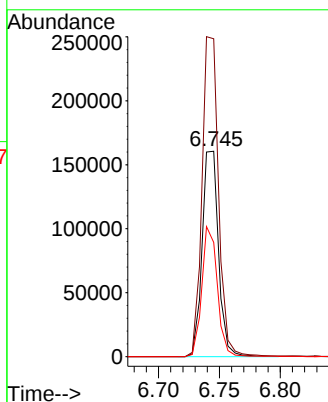
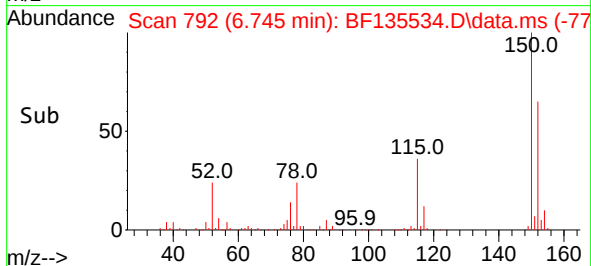
Instrument :
BNA_F
ClientSampleId :
PAT-01-09272023



Tgt Ion:152 Resp: 150794
Ion Ratio Lower Upper
152 100
150 154.8 127.8 191.6
115 55.6 49.8 74.8

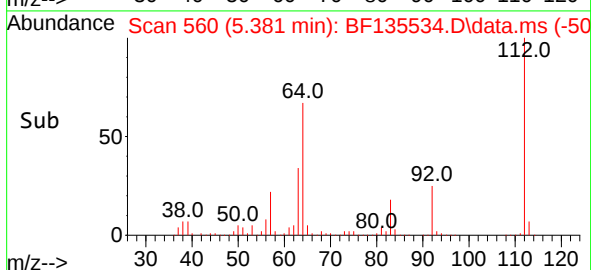
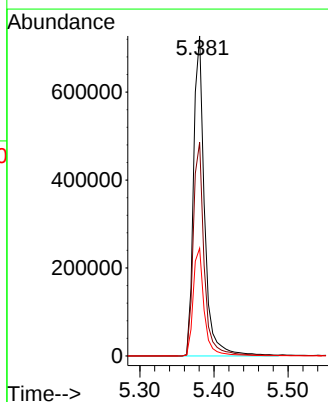
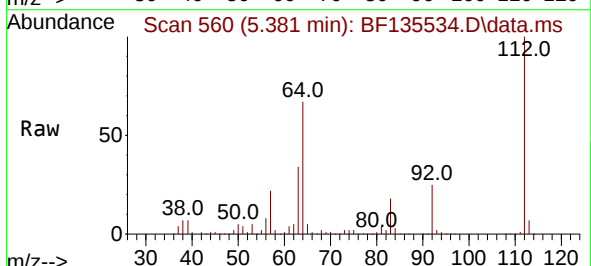
Manual Integrations
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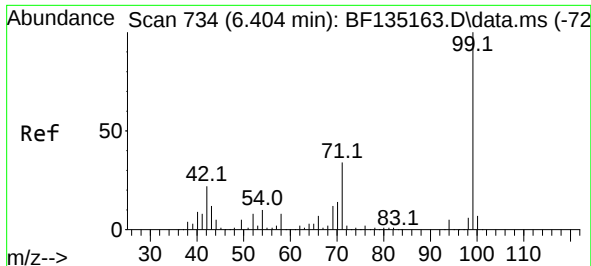
Reviewed By :Yogesh Patel 10/03/2023
Supervised By :mohammad ahmed 10/04/2023



#5
2-Fluorophenol
Concen: 81.133 ng
RT: 5.381 min Scan# 560
Delta R.T. -0.000 min
Lab File: BF135534.D
Acq: 02 Oct 2023 18:46

Tgt Ion:112 Resp: 752214
Ion Ratio Lower Upper
112 100
64 66.7 55.9 83.9
63 33.6 29.0 43.6





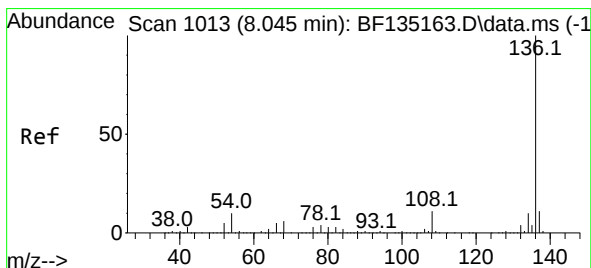
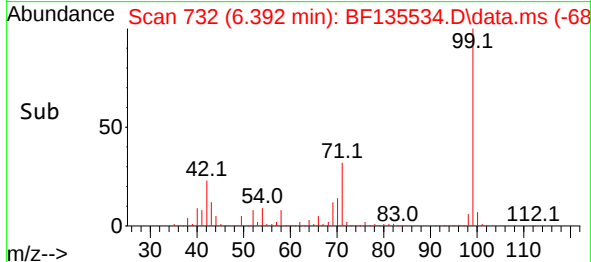
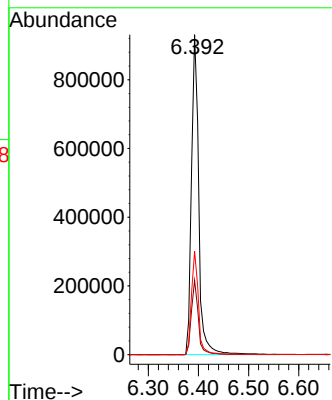
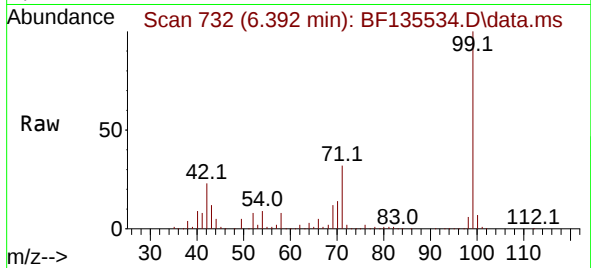
#7
Phenol-d6
Concen: 79.642 ng
RT: 6.392 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF135534.D
Acq: 02 Oct 2023 18:46

Instrument :
BNA_F
ClientSampleId :
PAT-01-09272023

Tgt Ion: 99 Resp: 938908
Ion Ratio Lower Upper
99 100
42 23.2 17.9 26.9
71 32.3 27.0 40.6

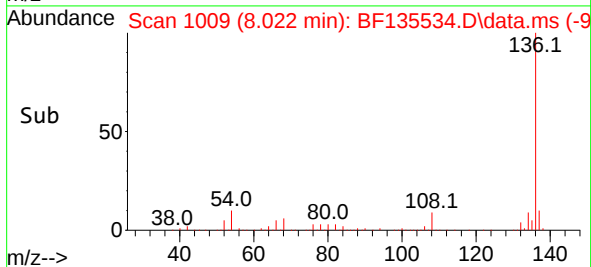
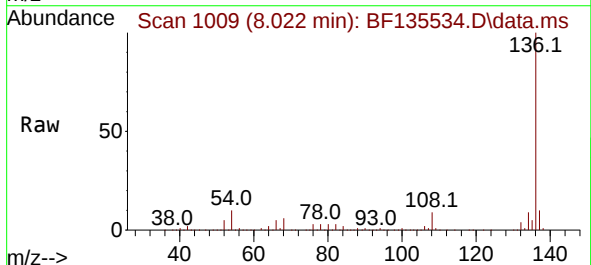
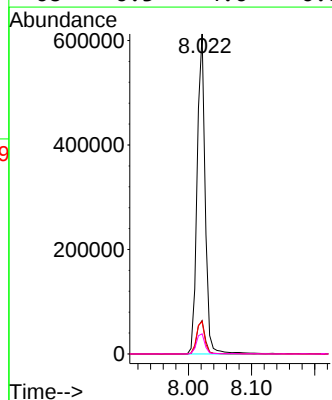
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Reviewed By :Yogesh Patel 10/03/2023
Supervised By :mohammad ahmed 10/04/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.022 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BF135534.D
Acq: 02 Oct 2023 18:46

Tgt Ion:136 Resp: 541705
Ion Ratio Lower Upper
136 100
137 10.5 8.8 13.2
54 10.0 7.7 11.5
68 6.3 4.6 6.8





#23

Nitrobenzene-d5

Concen: 57.353 ng

RT: 7.310 min Scan# 80

Delta R.T. -0.012 min

Lab File: BF135534.D

Acq: 02 Oct 2023 18:46

Instrument :

BNA_F

ClientSampleId :

PAT-01-09272023

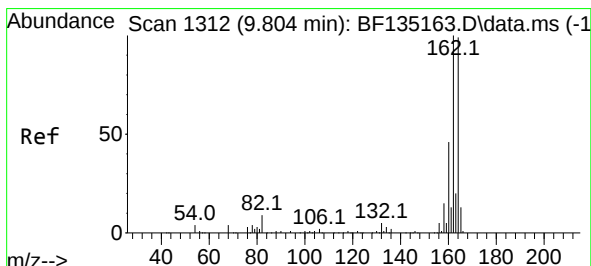
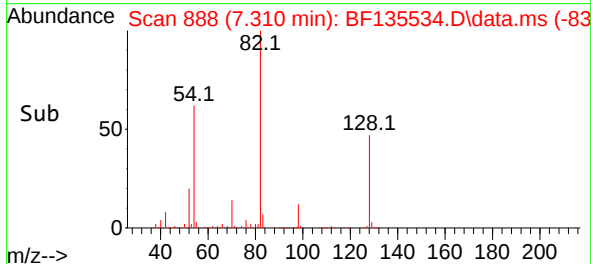
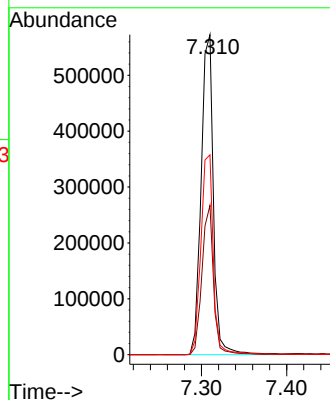
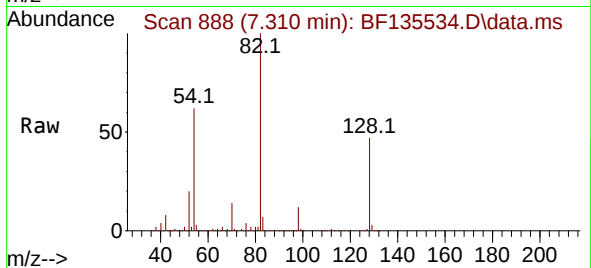
Tgt Ion:	82	Resp:	57185
Ion Ratio	Lower	Upper	
82	100		
128	46.6	35.8	53.6
54	62.4	50.6	76.0

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Supervised By :mohammad ahmed 10/04/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

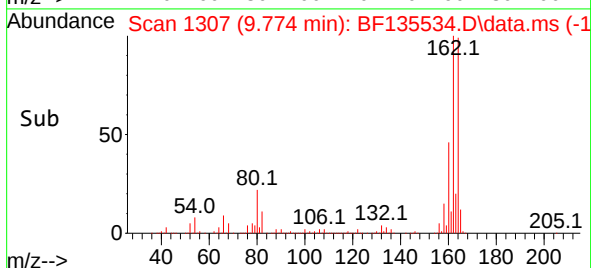
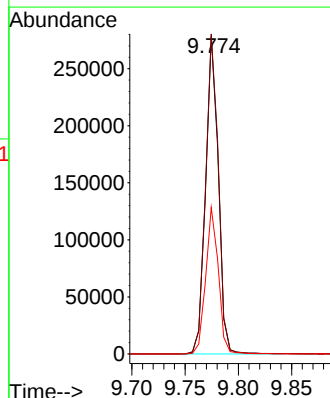
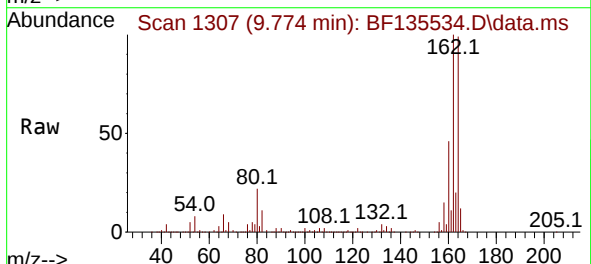
RT: 9.774 min Scan# 1307

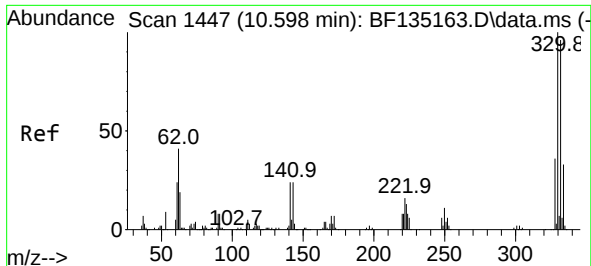
Delta R.T. -0.012 min

Lab File: BF135534.D

Acq: 02 Oct 2023 18:46

Tgt Ion:	164	Resp:	230898
Ion Ratio	Lower	Upper	
164	100		
162	100.8	81.0	121.4
160	46.2	37.0	55.4





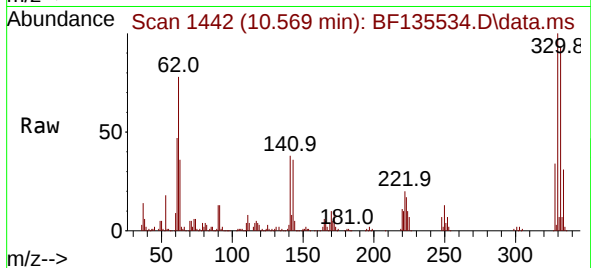
#42
2,4,6-Tribromophenol
Concen: 64.267 ng
RT: 10.569 min Scan# 1447
Delta R.T. -0.012 min
Lab File: BF135534.D
Acq: 02 Oct 2023 18:46

Instrument :

BNA_F

ClientSampleId :

PAT-01-09272023



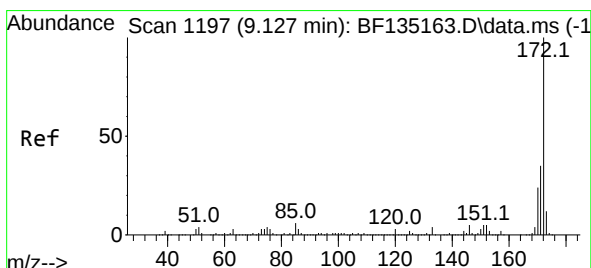
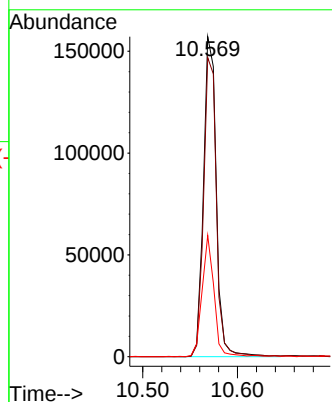
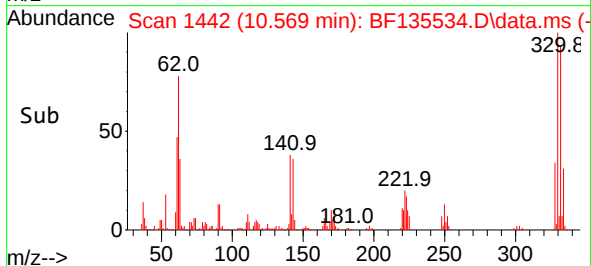
Tgt Ion: 330 Resp: 147460
Ion Ratio Lower Upper
330 100
332 94.0 77.3 115.9
141 35.6 25.8 38.8

Manual Integrations

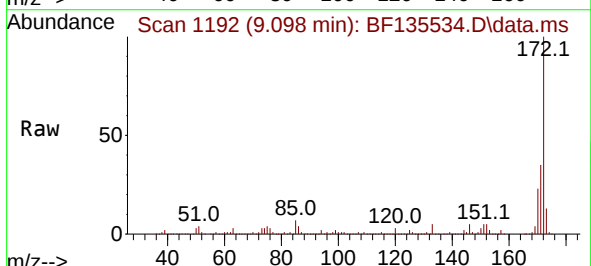
APPROVED

Reviewed By : Yogesh Patel 10/03/2023

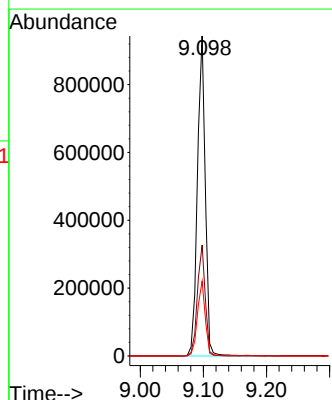
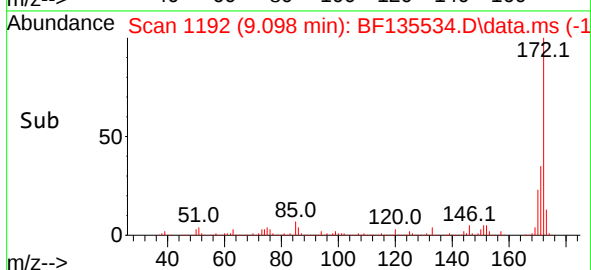
Supervised By : mohammad ahmed 10/04/2023

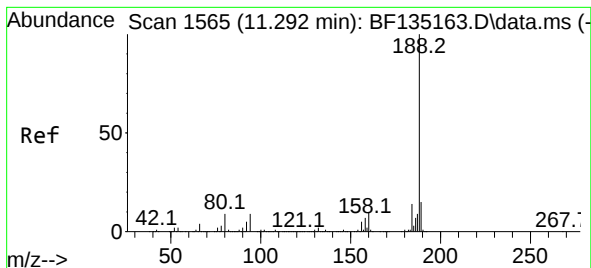


#45
2-Fluorobiphenyl
Concen: 53.331 ng
RT: 9.098 min Scan# 1192
Delta R.T. -0.012 min
Lab File: BF135534.D
Acq: 02 Oct 2023 18:46



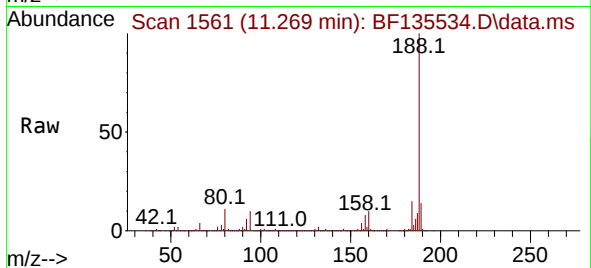
Tgt Ion: 172 Resp: 816186
Ion Ratio Lower Upper
172 100
171 34.7 28.4 42.6
170 23.4 19.0 28.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135534.D
Acq: 02 Oct 2023 18:46

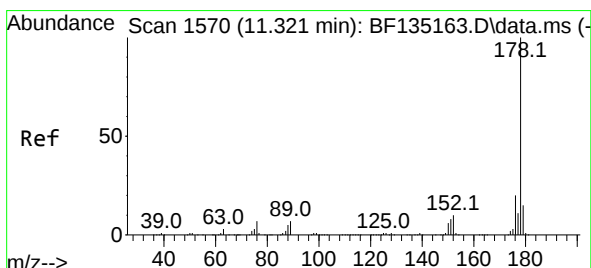
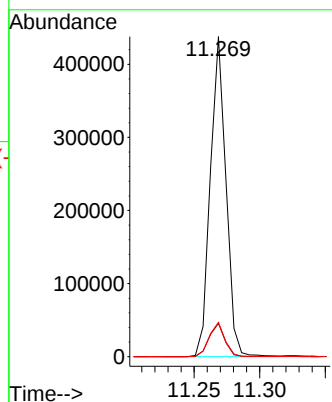
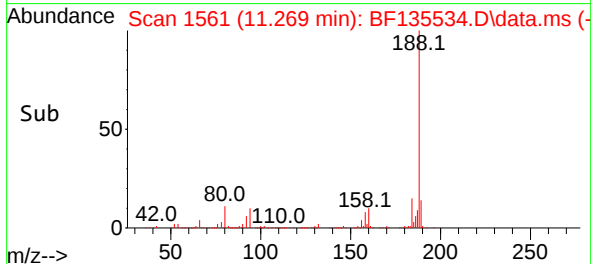
Instrument :
BNA_F
ClientSampleId :
PAT-01-09272023



Tgt Ion:188 Resp: 364304
Ion Ratio Lower Upper
188 100
94 10.4 7.0 10.6
80 10.8 7.5 11.3

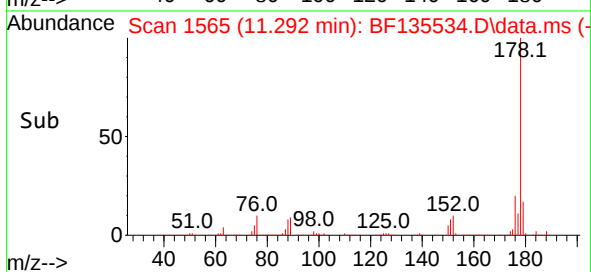
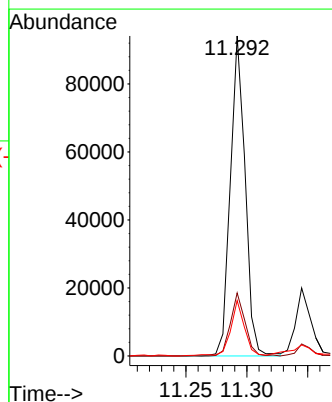
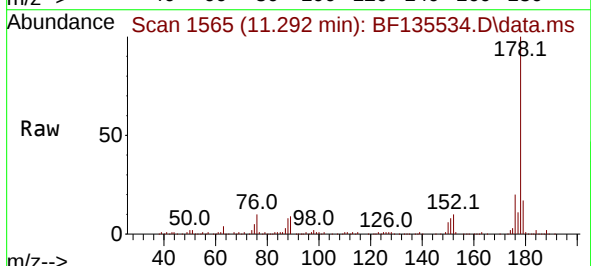
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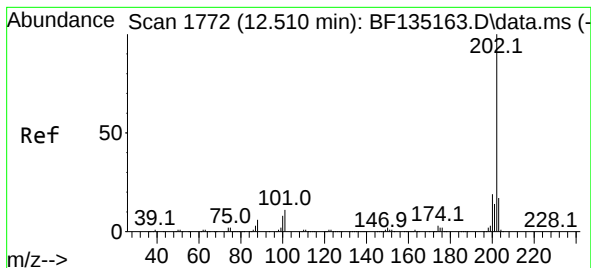
Reviewed By :Yogesh Patel 10/03/2023
Supervised By :mohammad ahmed 10/04/2023



#71
Phenanthrene
Concen: 4.617 ng
RT: 11.292 min Scan# 1565
Delta R.T. -0.012 min
Lab File: BF135534.D
Acq: 02 Oct 2023 18:46

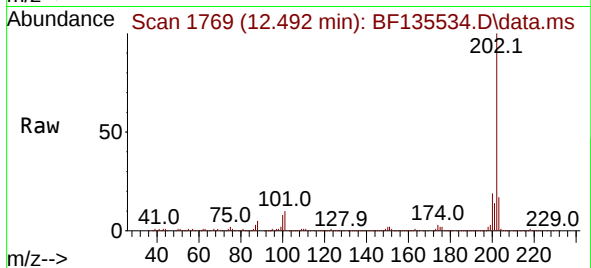
Tgt Ion:178 Resp: 79547
Ion Ratio Lower Upper
178 100
176 19.7 15.6 23.4
179 17.3 12.0 18.0





#75
Fluoranthene
Concen: 10.620 ng
RT: 12.492 min Scan# 1769
Delta R.T. -0.006 min
Lab File: BF135534.D
Acq: 02 Oct 2023 18:46

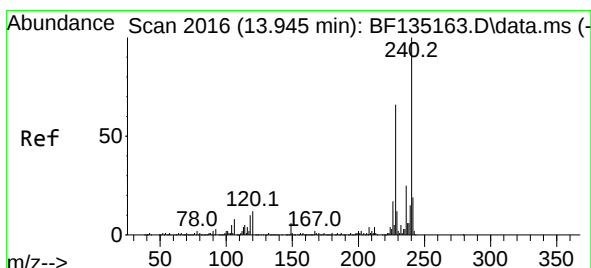
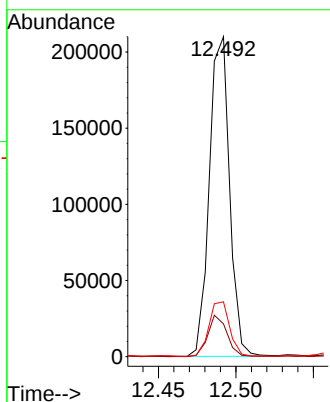
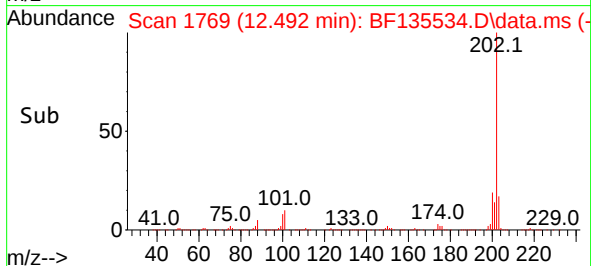
Instrument :
BNA_F
ClientSampleId :
PAT-01-09272023



Tgt Ion:202 Resp: 190670
Ion Ratio Lower Upper
202 100
101 10.2 0.0 31.3
203 17.1 0.0 37.4

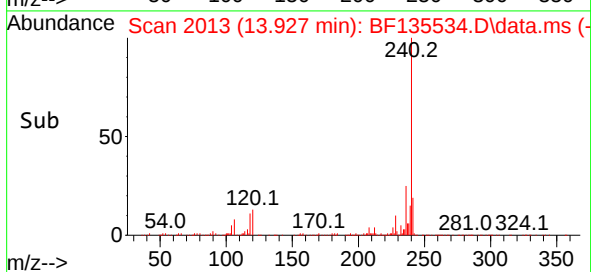
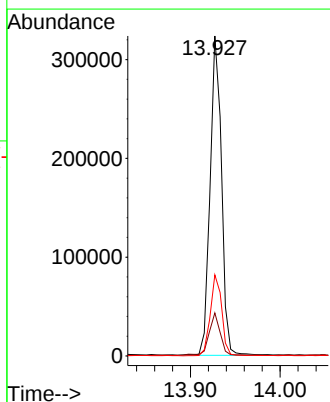
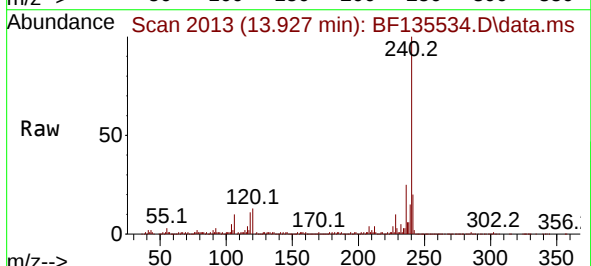
Manual Integrations
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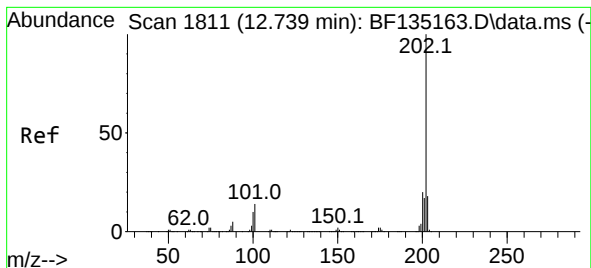
Reviewed By :Yogesh Patel 10/03/2023
Supervised By :mohammad ahmed 10/04/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.927 min Scan# 2013
Delta R.T. -0.006 min
Lab File: BF135534.D
Acq: 02 Oct 2023 18:46

Tgt Ion:240 Resp: 285487
Ion Ratio Lower Upper
240 100
120 13.5 9.4 14.2
236 25.3 19.8 29.8





#78

Pyrene

Concen: 6.437 ng

RT: 12.721 min Scan# 1808

Delta R.T. -0.006 min

Lab File: BF135534.D

Acq: 02 Oct 2023 18:46

Instrument :

BNA_F

ClientSampleId :

PAT-01-09272023

Tgt Ion:202 Resp: 17496

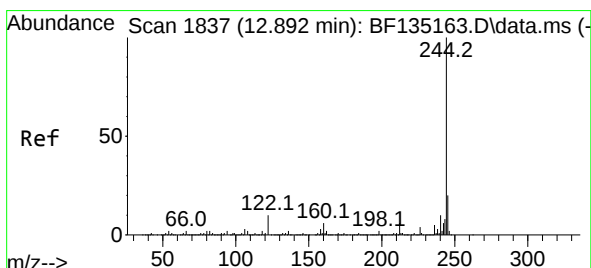
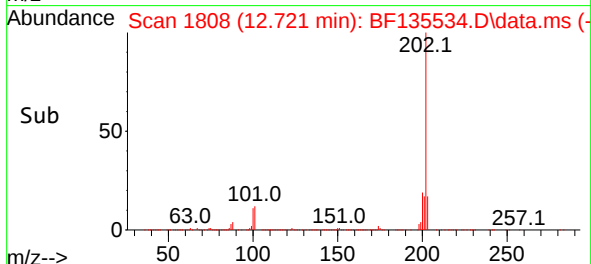
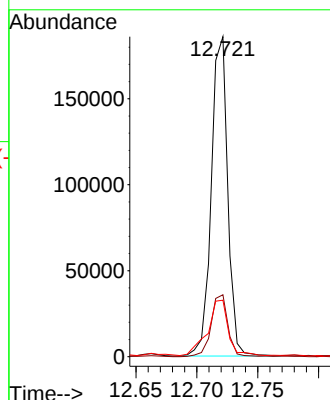
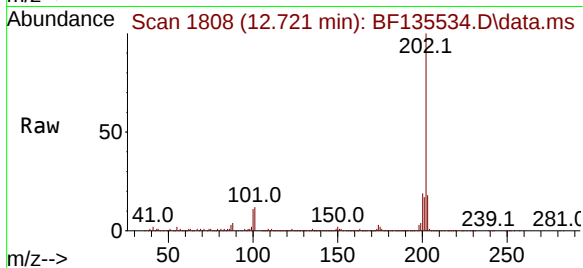
Ion	Ratio	Lower	Upper
202	100		
200	19.3	16.2	24.2
203	17.6	14.2	21.4

Manual Integrations

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Reviewed By :Yogesh Patel 10/03/2023

Supervised By :mohammad ahmed 10/04/2023



#79

Terphenyl-d14

Concen: 30.142 ng

RT: 12.863 min Scan# 1832

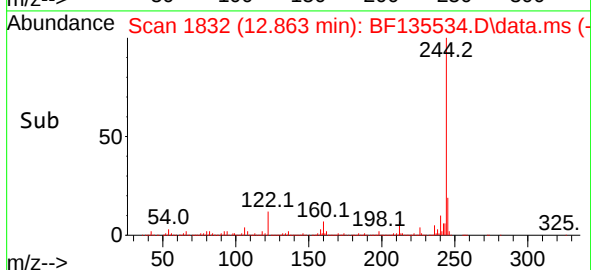
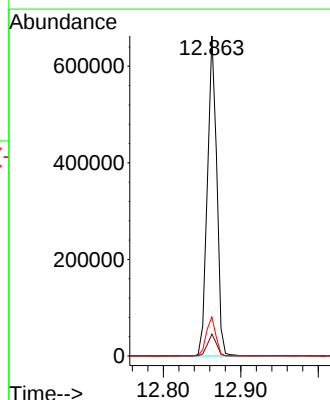
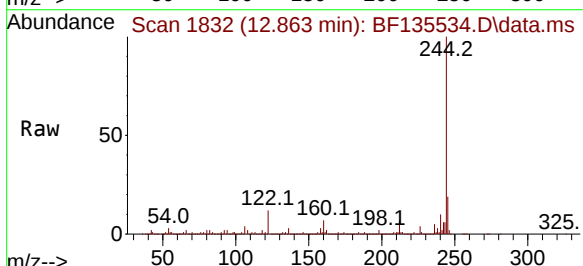
Delta R.T. -0.012 min

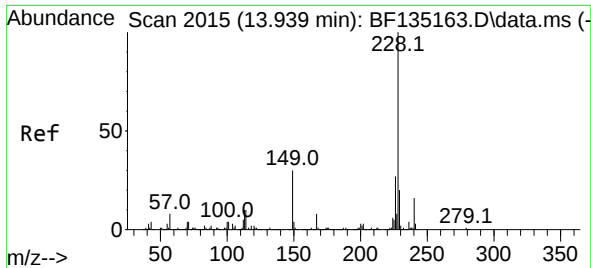
Lab File: BF135534.D

Acq: 02 Oct 2023 18:46

Tgt Ion:244 Resp: 555110

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.1	7.7
122	12.2	7.9	11.9





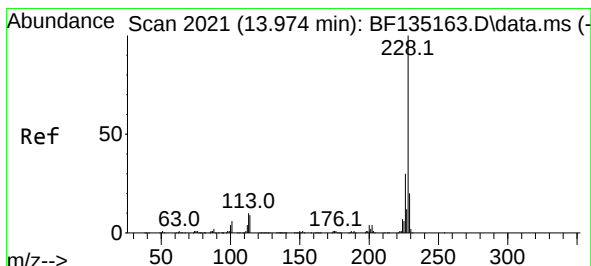
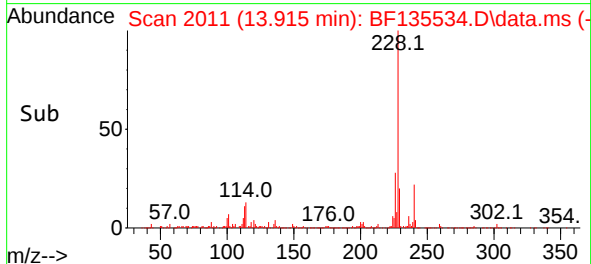
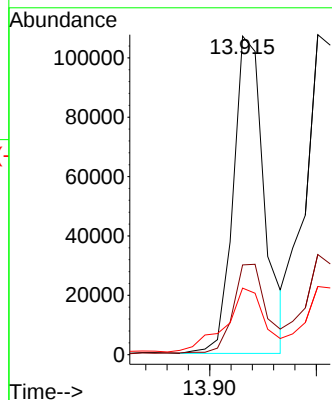
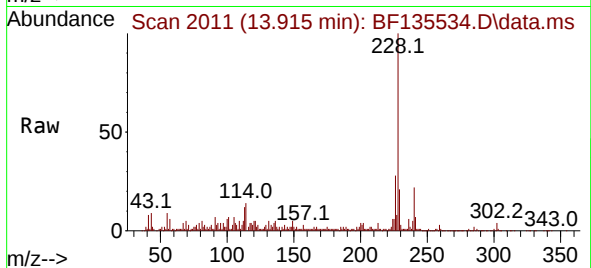
#81
Benzo(a)anthracene
Concen: 5.877 ng
RT: 13.915 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF135534.D
Acq: 02 Oct 2023 18:46

Instrument :
BNA_F
ClientSampleId :
PAT-01-09272023

Tgt Ion:228 Resp: 10834
Ion Ratio Lower Upper
228 100
226 28.2 21.7 32.5
229 20.9 15.8 23.8

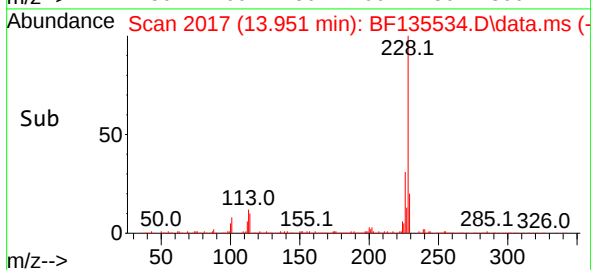
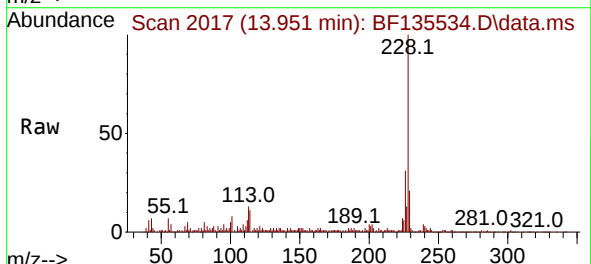
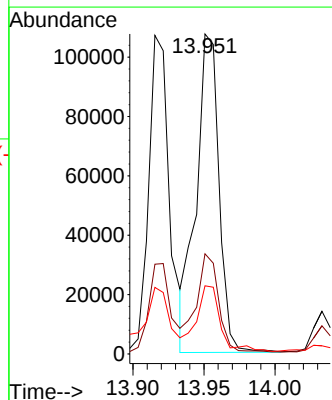
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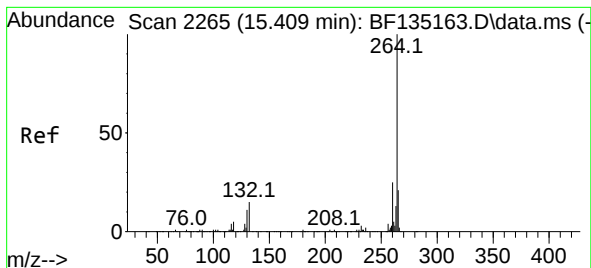
Reviewed By :Yogesh Patel 10/03/2023
Supervised By :mohammad ahmed 10/04/2023



#83
Chrysene
Concen: 6.557 ng
RT: 13.951 min Scan# 2017
Delta R.T. -0.012 min
Lab File: BF135534.D
Acq: 02 Oct 2023 18:46

Tgt Ion:228 Resp: 120186
Ion Ratio Lower Upper
228 100
226 31.3 24.3 36.5
229 21.3 16.0 24.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.392 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF135534.D

Acq: 02 Oct 2023 18:46

Instrument :

BNA_F

ClientSampleId :

PAT-01-09272023

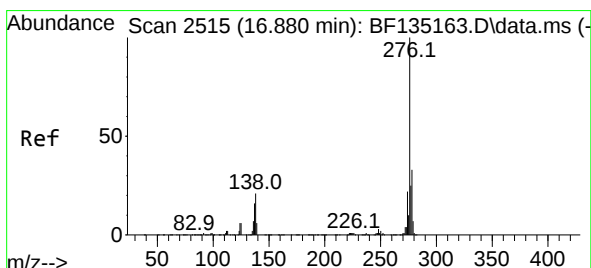
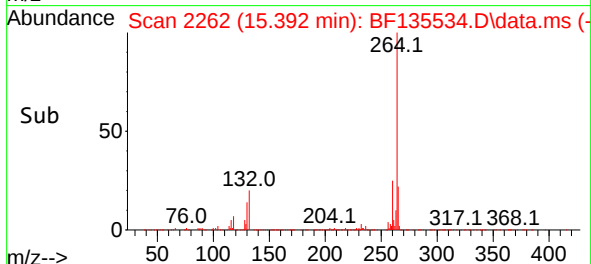
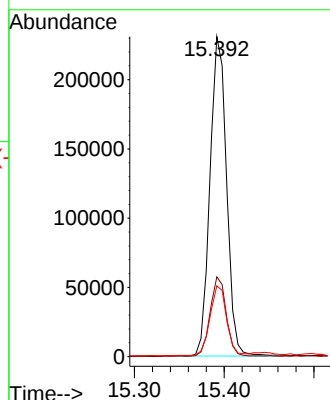
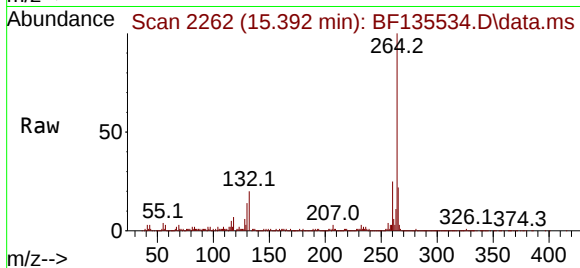
Tgt Ion:	264	Resp:	296000
Ion Ratio	Lower	Upper	
264	100		
260	25.0	19.8	29.6
265	22.1	17.0	25.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/03/2023

Supervised By :mohammad ahmed 10/04/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.849 ng

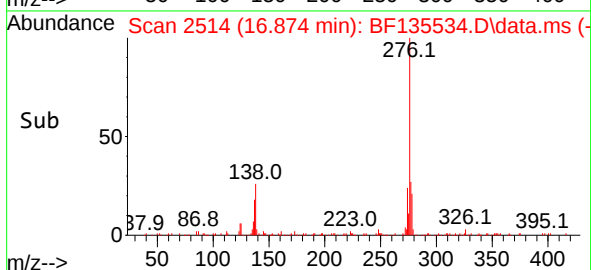
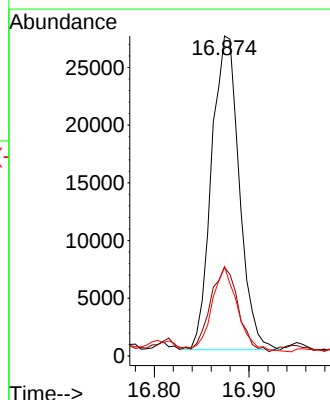
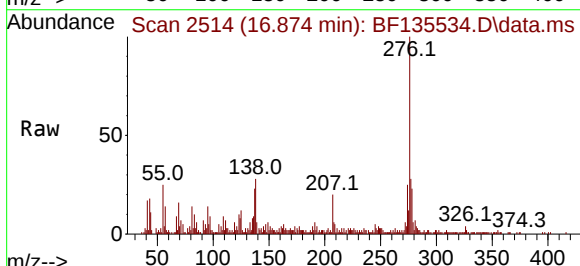
RT: 16.874 min Scan# 2514

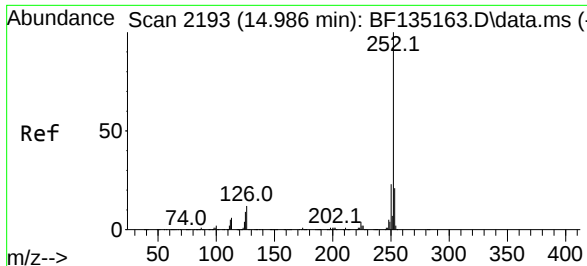
Delta R.T. -0.006 min

Lab File: BF135534.D

Acq: 02 Oct 2023 18:46

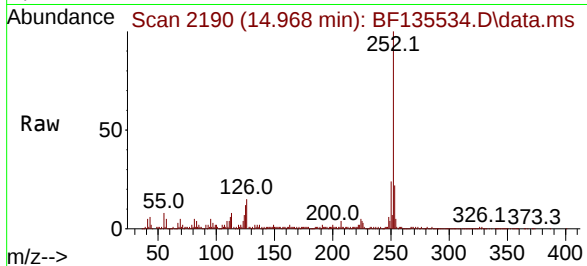
Tgt Ion:	276	Resp:	55287
Ion Ratio	Lower	Upper	
276	100		
138	27.1	19.2	28.8
277	25.0	19.7	29.5





#88
Benzo(b)fluoranthene
Concen: 10.583 ng m
RT: 14.968 min Scan# 2193
Delta R.T. -0.000 min
Lab File: BF135534.D
Acq: 02 Oct 2023 18:46

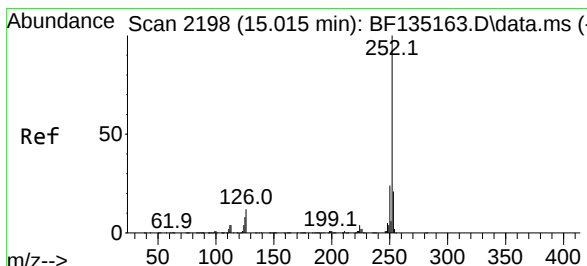
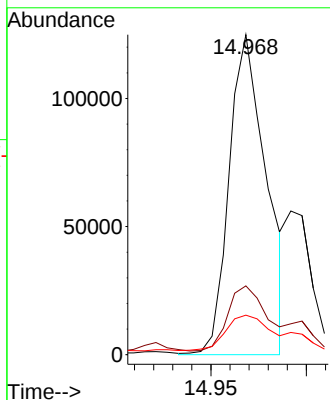
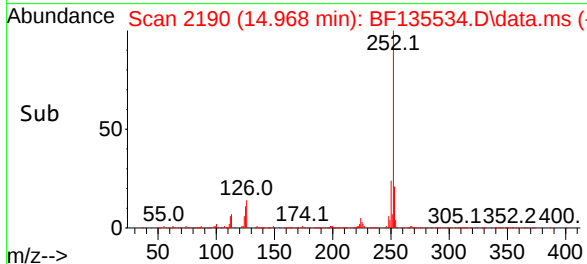
Instrument :
BNA_F
ClientSampleId :
PAT-01-09272023



Tgt Ion:252 Resp: 16957
Ion Ratio Lower Upper
252 100
253 21.5 17.2 25.8
125 12.4 7.1 10.7

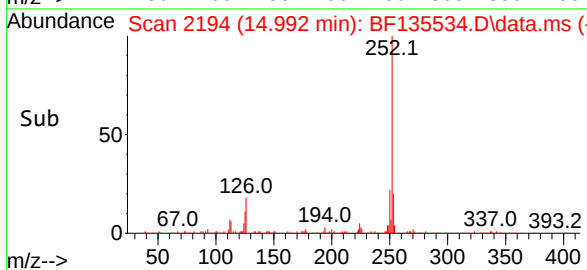
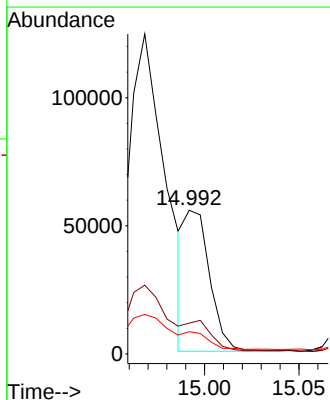
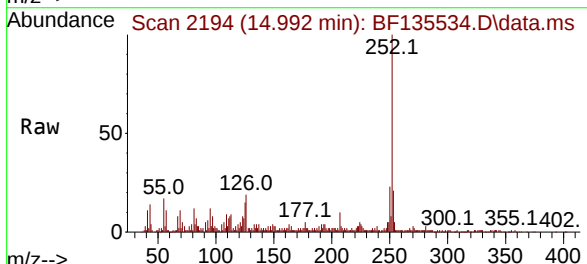
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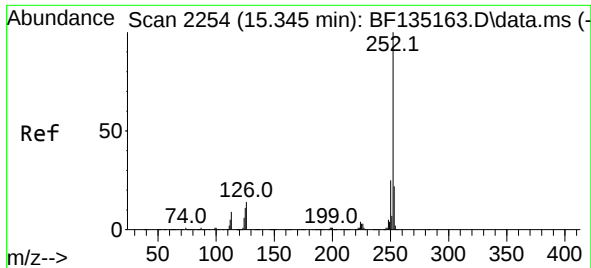
Reviewed By :Yogesh Patel 10/03/2023
Supervised By :mohammad ahmed 10/04/2023



#89
Benzo(k)fluoranthene
Concen: 3.204 ng m
RT: 14.992 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BF135534.D
Acq: 02 Oct 2023 18:46

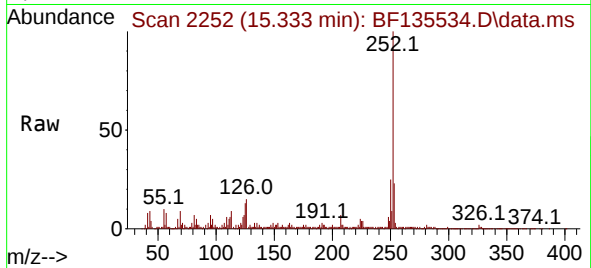
Tgt Ion:252 Resp: 50711
Ion Ratio Lower Upper
252 100
253 21.4 17.4 26.0
125 15.4 7.2 10.8





#90
Benzo(a)pyrene
Concen: 6.488 ng
RT: 15.333 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF135534.D
Acq: 02 Oct 2023 18:46

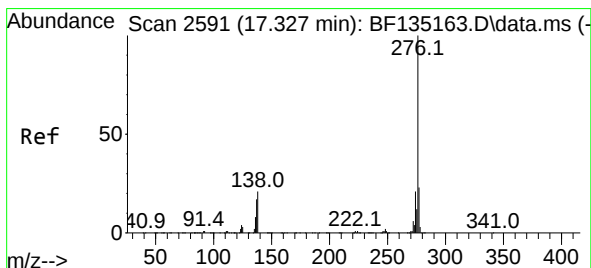
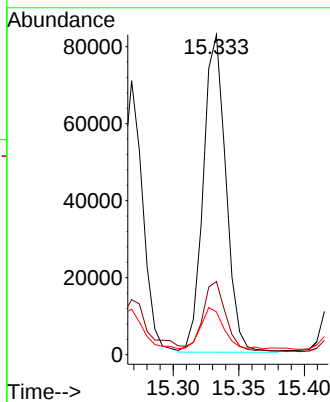
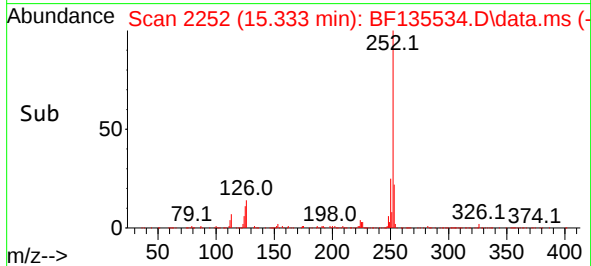
Instrument :
BNA_F
ClientSampleId :
PAT-01-09272023



Tgt Ion:252 Resp: 9913
Ion Ratio Lower Upper
252 100
253 22.9 17.5 26.3
125 13.4 9.2 13.8

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Reviewed By :Yogesh Patel 10/03/2023
Supervised By :mohammad ahmed 10/04/2023



#92
Benzo(g,h,i)perylene
Concen: 3.130 ng
RT: 17.327 min Scan# 2591
Delta R.T. 0.006 min
Lab File: BF135534.D
Acq: 02 Oct 2023 18:46

Tgt Ion:276 Resp: 51908
Ion Ratio Lower Upper
276 100
277 22.9 18.8 28.2
138 27.2 16.9 25.3

