

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092023\
 Data File : BF135363.D
 Acq On : 20 Sep 2023 18:11
 Operator : CG\JU
 Sample : 04479-06
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1028

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/21/2023
 Supervised By :mohammad ahmed 09/21/2023

Quant Time: Sep 21 01:52:29 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 00:19:07 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.757	152	136573	20.000	ng	0.00
21) Naphthalene-d8	8.034	136	503011	20.000	ng	-0.01
39) Acenaphthene-d10	9.792	164	229804	20.000	ng	-0.01
64) Phenanthrene-d10	11.286	188	362247	20.000	ng	0.00
76) Chrysene-d12	13.945	240	249586	20.000	ng	0.00
86) Perylene-d12	15.410	264	256055	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	361746	43.080	ng	0.00
7) Phenol-d6	6.398	99	464323	43.487	ng	0.00
23) Nitrobenzene-d5	7.316	82	281678	30.424	ng	-0.02
42) 2,4,6-Tribromophenol	10.586	330	82684	36.206	ng	-0.01
45) 2-Fluorobiphenyl	9.110	172	564580	37.066	ng	-0.02
79) Terphenyl-d14	12.880	244	439911	27.323	ng	-0.01
Target Compounds						Qvalue
58) Fluorene	10.339	166	41748	2.829	ng	98
71) Phenanthrene	11.310	178	269819	15.749	ng	99
72) Anthracene	11.363	178	85666	4.864	ng	98
75) Fluoranthene	12.504	202	758987	42.515	ng	97
78) Pyrene	12.733	202	755447	31.792	ng	100
81) Benzo(a)anthracene	13.933	228	358271	22.230	ng	96
83) Chrysene	13.968	228	307947	19.219	ng	98
87) Indeno(1,2,3-cd)pyrene	16.886	276	111018	6.613	ng	98
88) Benzo(b)fluoranthene	14.986	252	399055m	28.789	ng	
89) Benzo(k)fluoranthene	15.010	252	123527m	9.022	ng	
90) Benzo(a)pyrene	15.351	252	263592	19.941	ng	99
91) Dibenzo(a,h)anthracene	16.898	278	29242	2.129	ng	# 83
92) Benzo(g,h,i)perylene	17.333	276	97839	6.820	ng	96

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

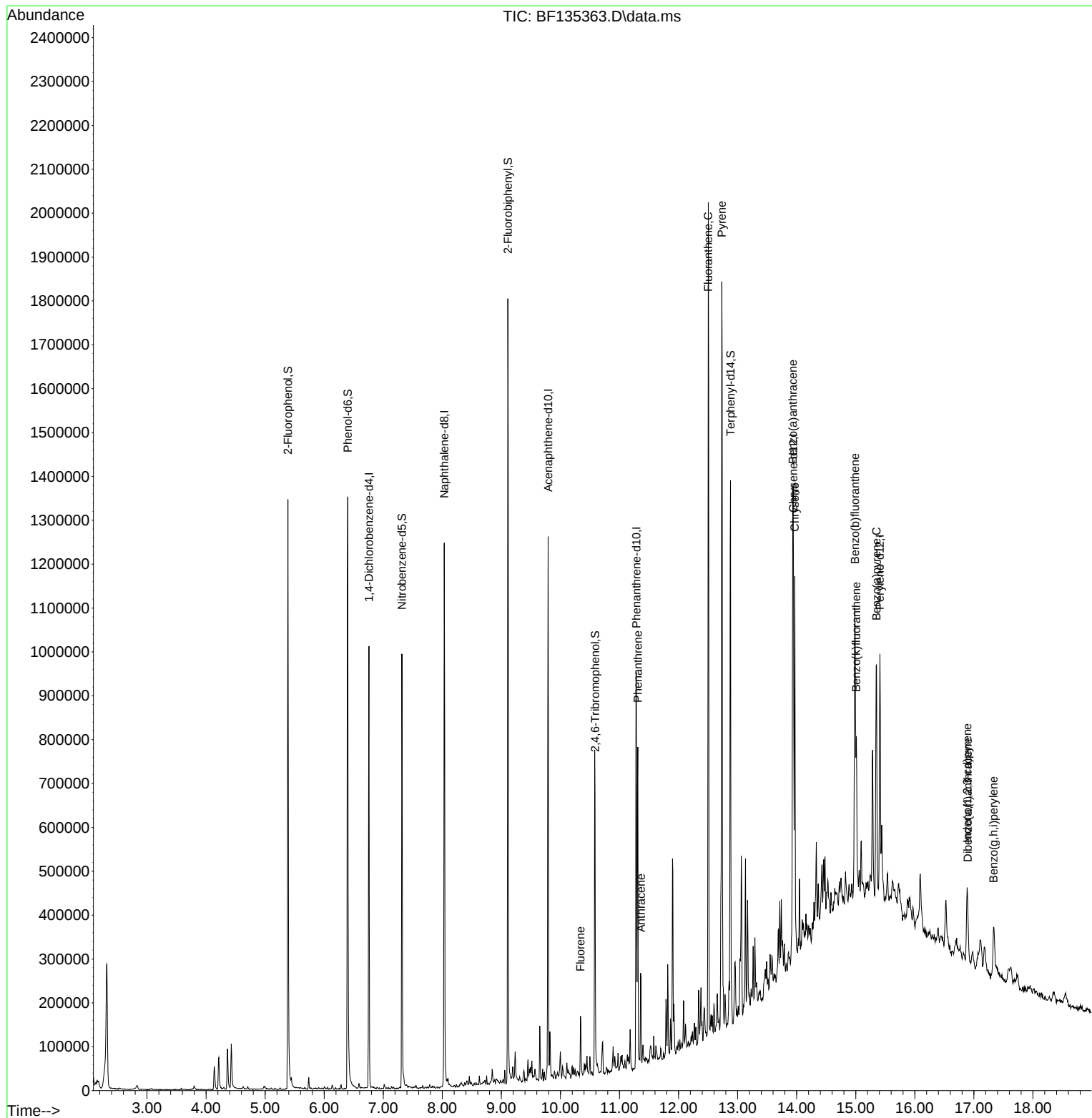
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092023\
Data File : BF135363.D
Acq On : 20 Sep 2023 18:11
Operator : CG\JU
Sample : 04479-06
Misc :
ALS Vial : 16 Sample Multiplier: 1

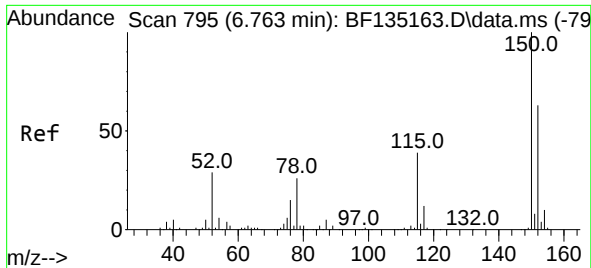
Instrument :
BNA_F
ClientSampleId :
1028

Quant Time: Sep 21 01:52:29 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 12 00:19:07 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

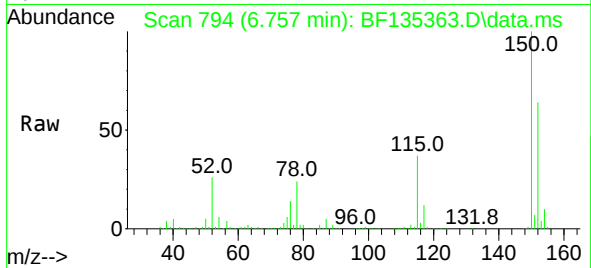
Reviewed By :Yogesh Patel 09/21/2023
Supervised By :mohammad ahmed 09/21/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.757 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF135363.D
Acq: 20 Sep 2023 18:11

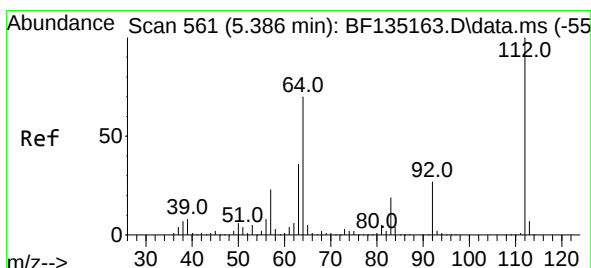
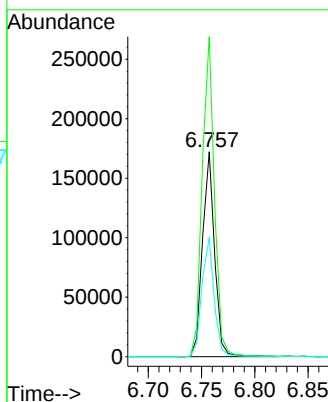
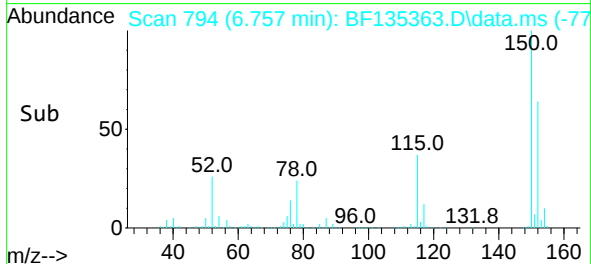
Instrument :
BNA_F
ClientSampleId :
1028



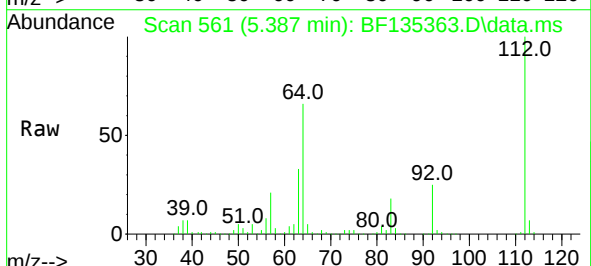
Tgt Ion:152 Resp: 13657
Ion Ratio Lower Upper
152 100
150 156.2 127.8 191.6
115 57.9 49.8 74.8

Manual Integrations
APPROVED

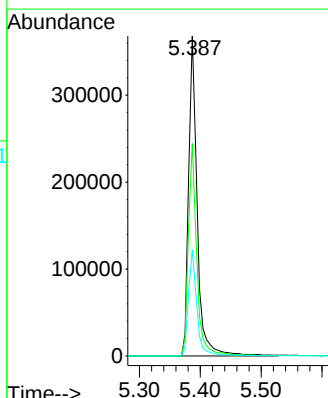
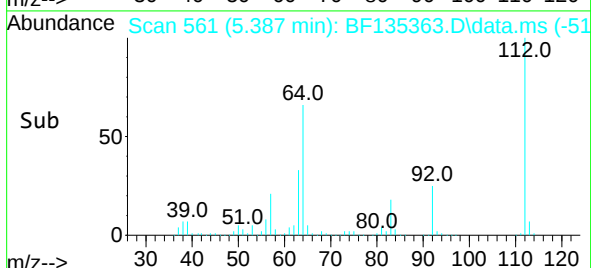
Reviewed By :Yogesh Patel 09/21/2023
Supervised By :mohammad ahmed 09/21/2023

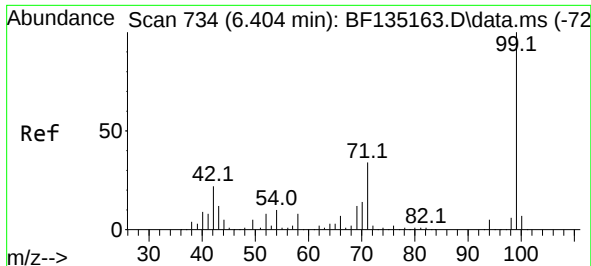


#5
2-Fluorophenol
Concen: 43.080 ng
RT: 5.387 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF135363.D
Acq: 20 Sep 2023 18:11



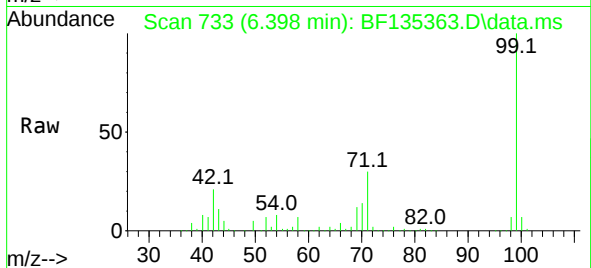
Tgt Ion:112 Resp: 361746
Ion Ratio Lower Upper
112 100
64 66.4 55.9 83.9
63 33.2 29.0 43.6





#7
Phenol-d6
Concen: 43.487 ng
RT: 6.398 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF135363.D
Acq: 20 Sep 2023 18:11

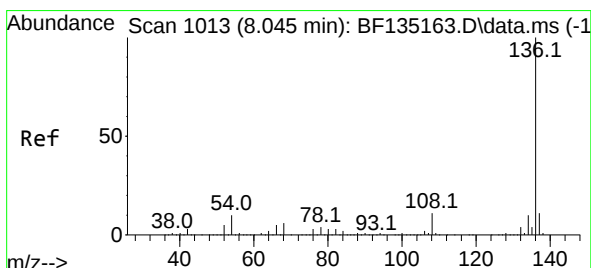
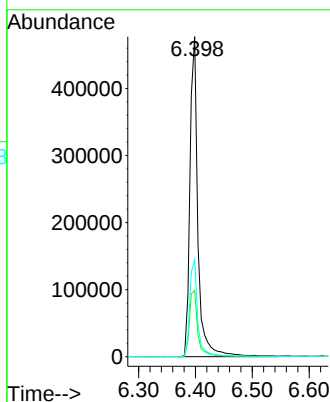
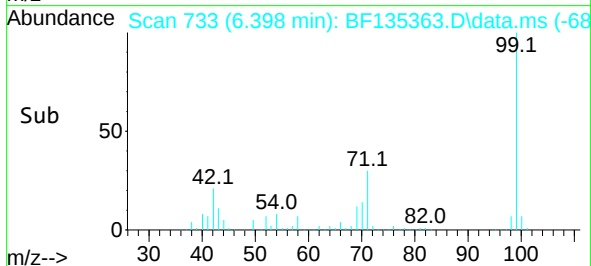
Instrument :
BNA_F
ClientSampleId :
1028



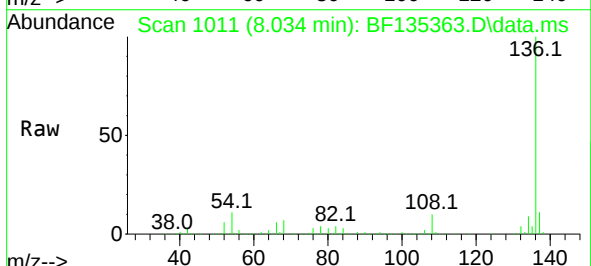
Tgt Ion: 99 Resp: 46432
Ion Ratio Lower Upper
99 100
42 20.6 17.9 26.9
71 30.3 27.0 40.6

Manual Integrations
APPROVED

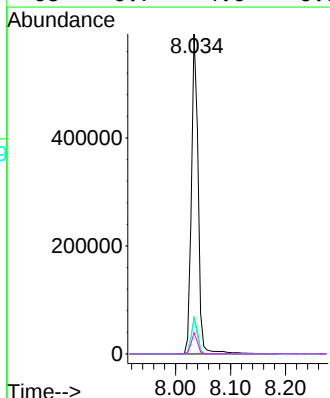
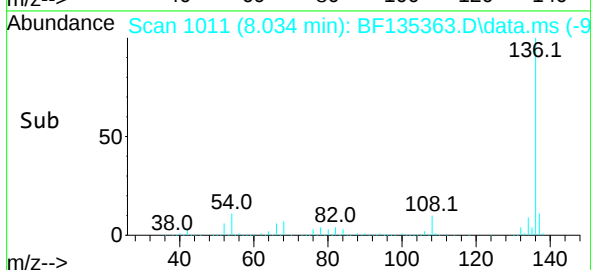
Reviewed By :Yogesh Patel 09/21/2023
Supervised By :mohammad ahmed 09/21/2023

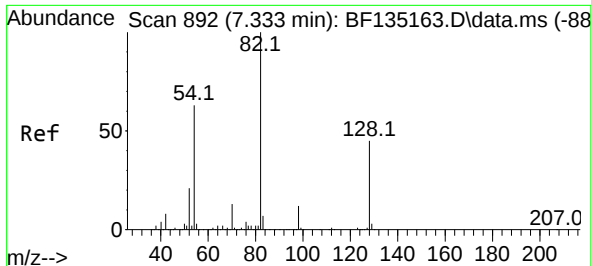


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.034 min Scan# 1011
Delta R.T. -0.012 min
Lab File: BF135363.D
Acq: 20 Sep 2023 18:11



Tgt Ion:136 Resp: 503011
Ion Ratio Lower Upper
136 100
137 11.4 8.8 13.2
54 11.0 7.7 11.5
68 6.7 4.6 6.8





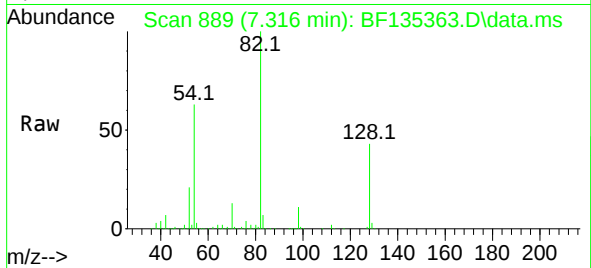
#23
Nitrobenzene-d5
Concen: 30.424 ng
RT: 7.316 min Scan# 84
Delta R.T. -0.017 min
Lab File: BF135363.D
Acq: 20 Sep 2023 18:11

Instrument :

BNA_F

ClientSampleId :

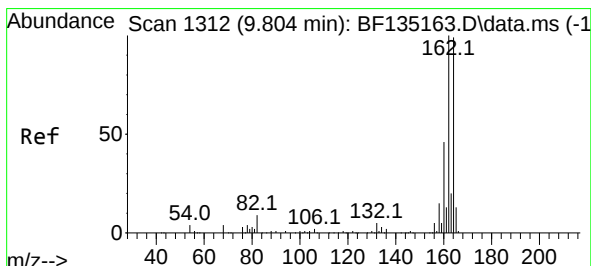
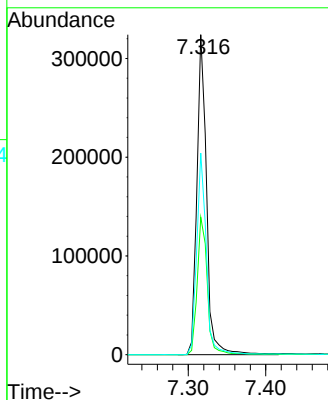
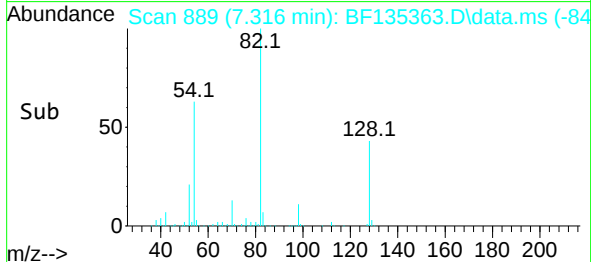
1028



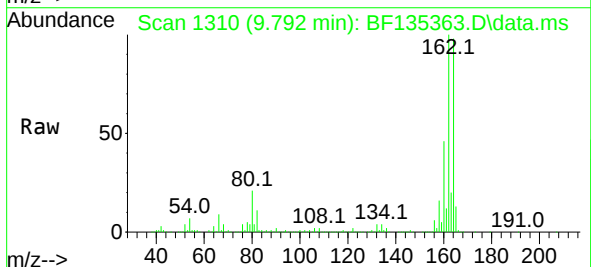
Tgt Ion: 82 Resp: 281678
Ion Ratio Lower Upper
82 100
128 43.0 35.8 53.6
54 63.0 50.6 76.0

Manual Integrations
APPROVED

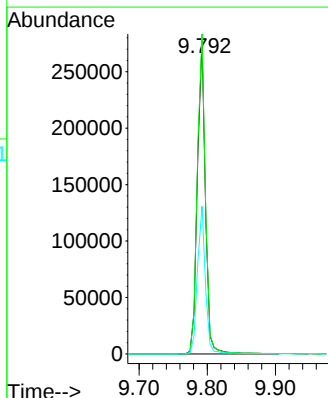
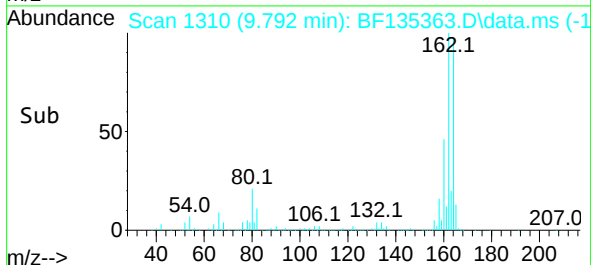
Reviewed By :Yogesh Patel 09/21/2023
Supervised By :mohammad ahmed 09/21/2023

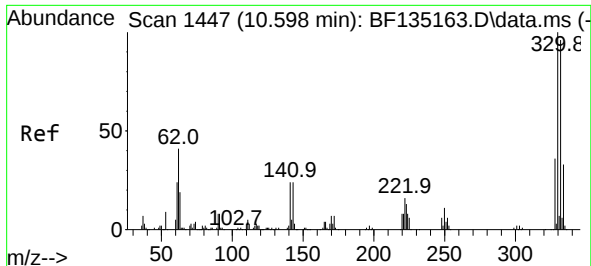


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.792 min Scan# 1310
Delta R.T. -0.012 min
Lab File: BF135363.D
Acq: 20 Sep 2023 18:11



Tgt Ion:164 Resp: 229804
Ion Ratio Lower Upper
164 100
162 101.9 81.0 121.4
160 47.0 37.0 55.4





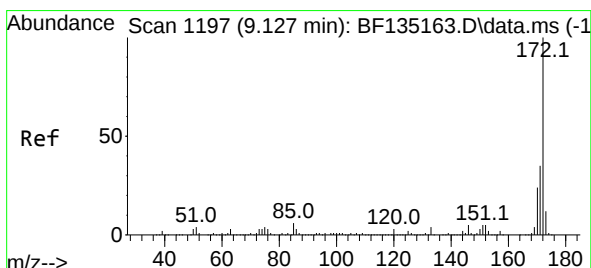
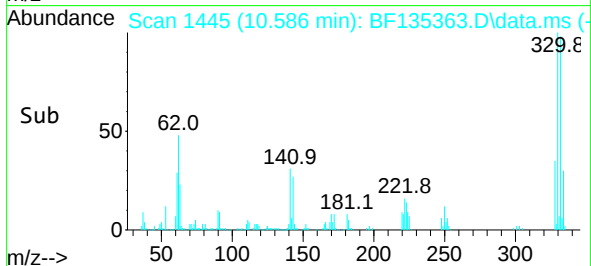
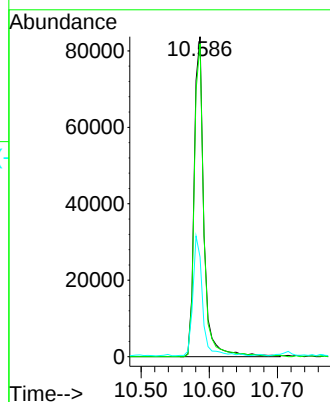
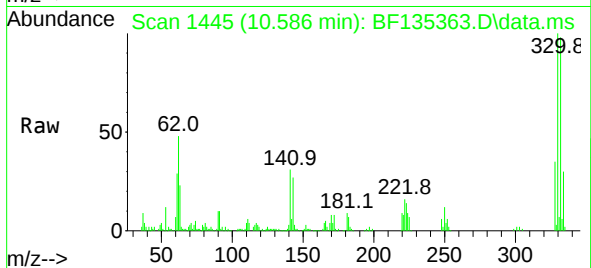
#42
2,4,6-Tribromophenol
Concen: 36.206 ng
RT: 10.586 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF135363.D
Acq: 20 Sep 2023 18:11

Instrument :
BNA_F
ClientSampleId :
1028

Tgt Ion:330 Resp: 82684
Ion Ratio Lower Upper
330 100
332 96.2 77.3 115.9
141 36.8 25.8 38.8

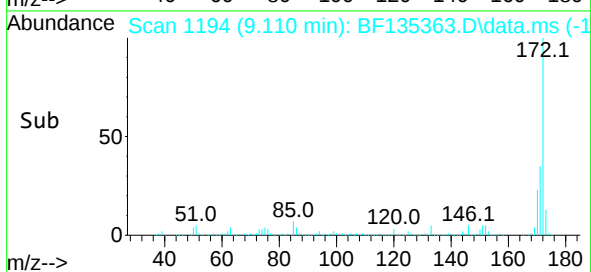
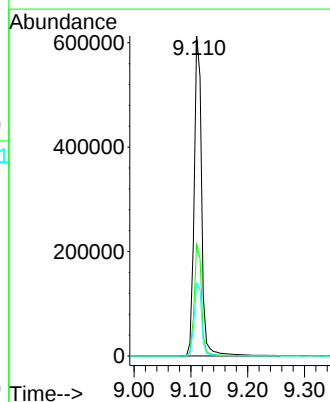
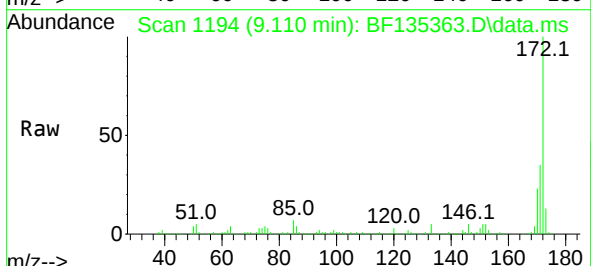
Manual Integrations
APPROVED

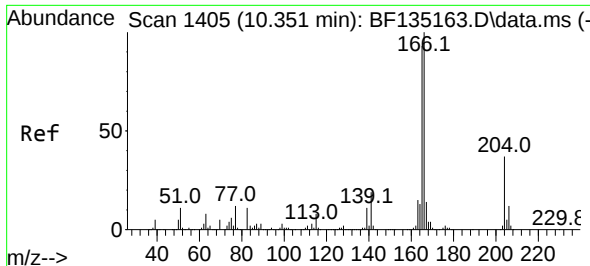
Reviewed By :Yogesh Patel 09/21/2023
Supervised By :mohammad ahmed 09/21/2023



#45
2-Fluorobiphenyl
Concen: 37.066 ng
RT: 9.110 min Scan# 1194
Delta R.T. -0.017 min
Lab File: BF135363.D
Acq: 20 Sep 2023 18:11

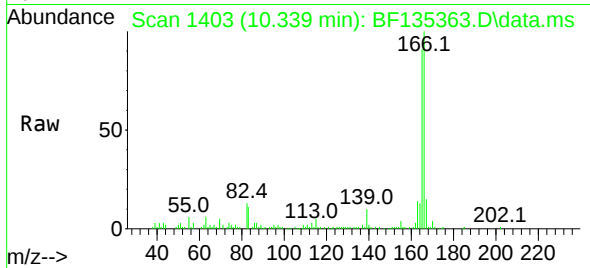
Tgt Ion:172 Resp: 564580
Ion Ratio Lower Upper
172 100
171 34.8 28.4 42.6
170 22.8 19.0 28.4





#58
Fluorene
Concen: 2.829 ng
RT: 10.339 min Scan# 1405
Delta R.T. -0.012 min
Lab File: BF135363.D
Acq: 20 Sep 2023 18:11

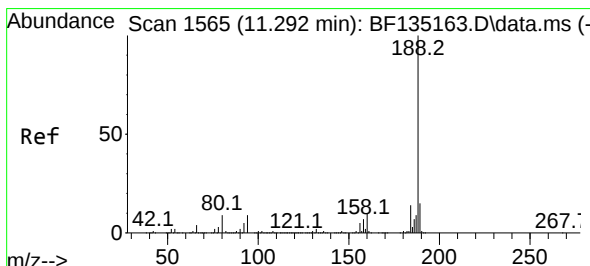
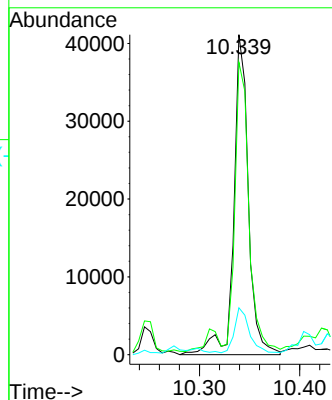
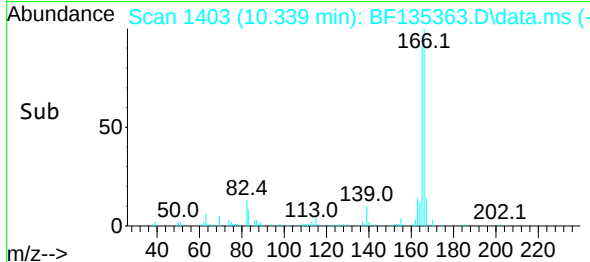
Instrument :
BNA_F
ClientSampleId :
1028



Tgt Ion:166 Resp: 41748
Ion Ratio Lower Upper
166 100
165 91.4 74.3 111.5
167 14.7 10.9 16.3

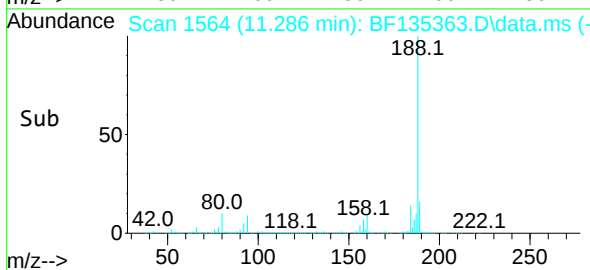
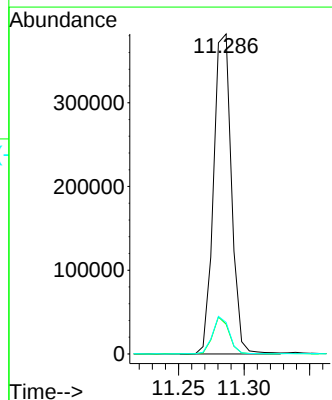
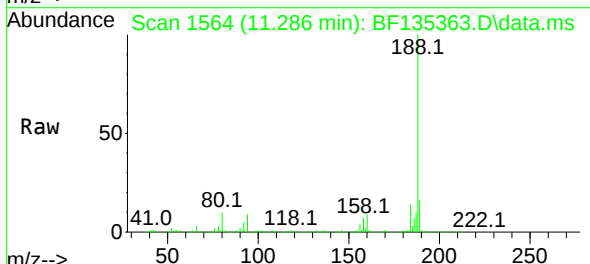
Manual Integrations
APPROVED

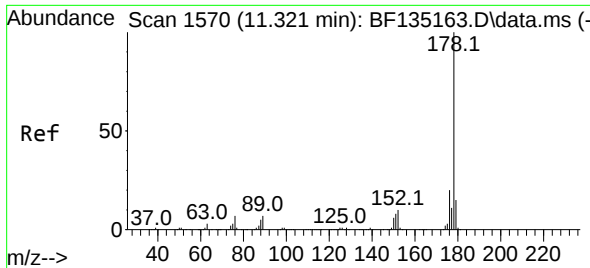
Reviewed By :Yogesh Patel 09/21/2023
Supervised By :mohammad ahmed 09/21/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.286 min Scan# 1564
Delta R.T. -0.006 min
Lab File: BF135363.D
Acq: 20 Sep 2023 18:11

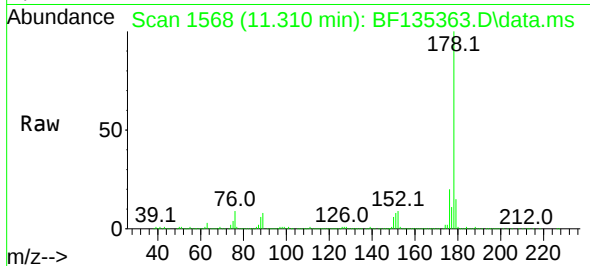
Tgt Ion:188 Resp: 362247
Ion Ratio Lower Upper
188 100
94 9.3 7.0 10.6
80 9.9 7.5 11.3





#71
Phenanthrene
Concen: 15.749 ng
RT: 11.310 min Scan# 1570
Delta R.T. -0.012 min
Lab File: BF135363.D
Acq: 20 Sep 2023 18:11

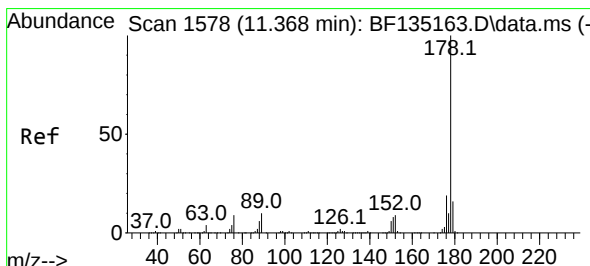
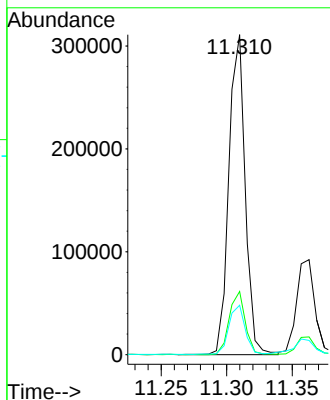
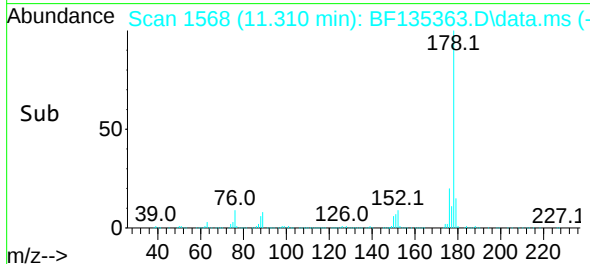
Instrument :
BNA_F
ClientSampleId :
1028



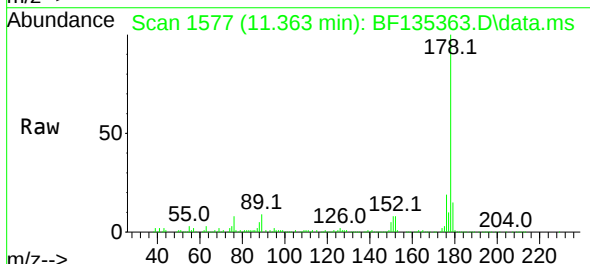
Tgt Ion:178 Resp: 269819
Ion Ratio Lower Upper
178 100
176 19.7 15.6 23.4
179 15.4 12.0 18.0

Manual Integrations
APPROVED

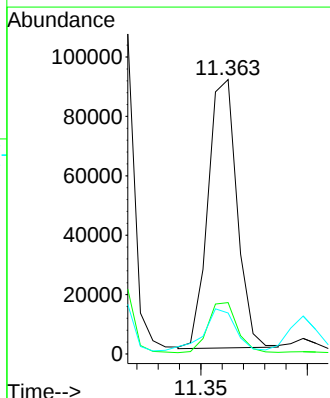
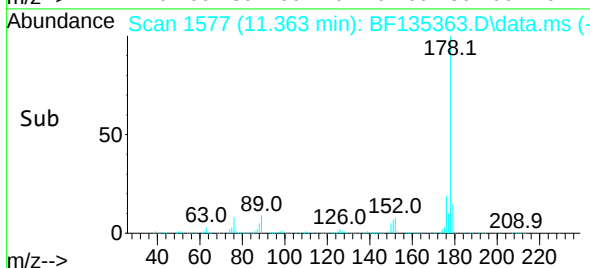
Reviewed By :Yogesh Patel 09/21/2023
Supervised By :mohammad ahmed 09/21/2023

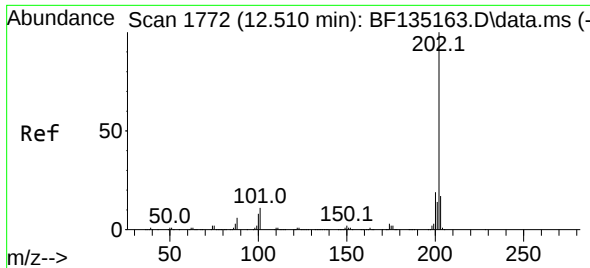


#72
Anthracene
Concen: 4.864 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF135363.D
Acq: 20 Sep 2023 18:11



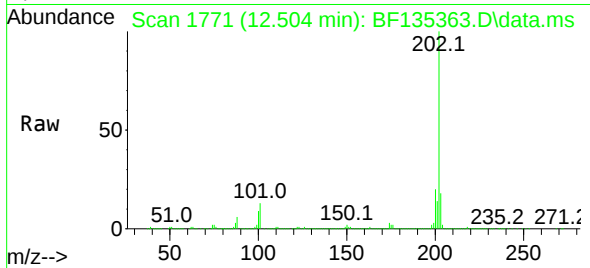
Tgt Ion:178 Resp: 85666
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.2
179 14.9 12.6 19.0





#75
Fluoranthene
Concen: 42.515 ng
RT: 12.504 min Scan# 1771
Delta R.T. -0.006 min
Lab File: BF135363.D
Acq: 20 Sep 2023 18:11

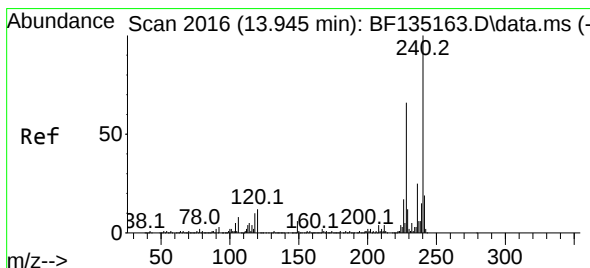
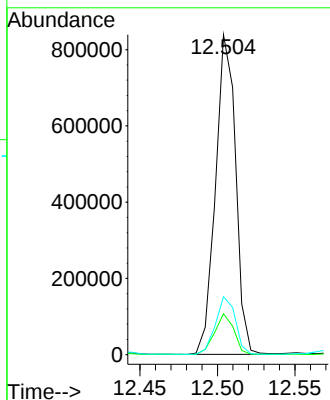
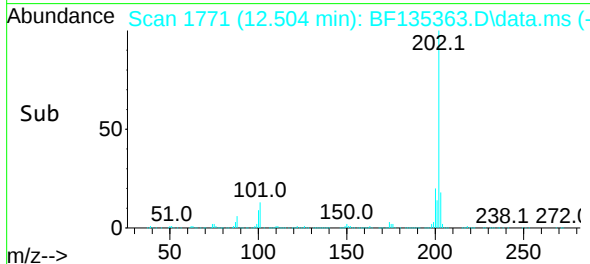
Instrument :
BNA_F
ClientSampleId :
1028



Tgt Ion:202 Resp: 75898
Ion Ratio Lower Upper
202 100
101 12.8 0.0 31.3
203 18.1 0.0 37.4

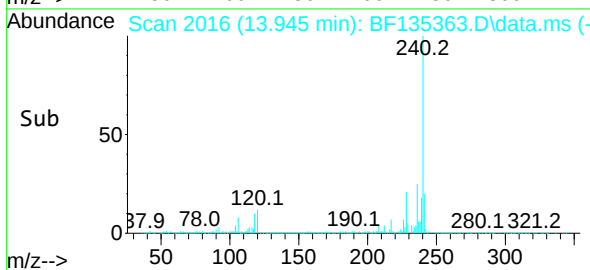
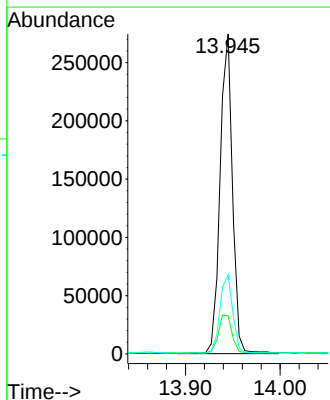
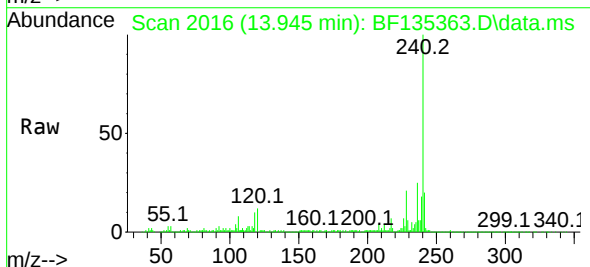
Manual Integrations
APPROVED

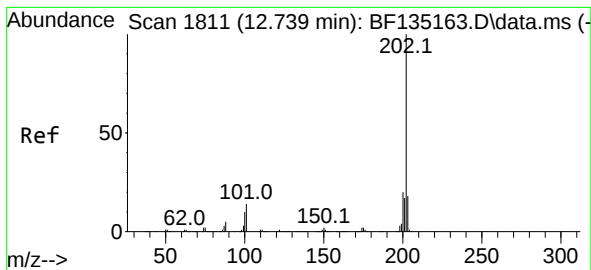
Reviewed By :Yogesh Patel 09/21/2023
Supervised By :mohammad ahmed 09/21/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.945 min Scan# 2016
Delta R.T. 0.000 min
Lab File: BF135363.D
Acq: 20 Sep 2023 18:11

Tgt Ion:240 Resp: 249586
Ion Ratio Lower Upper
240 100
120 11.9 9.4 14.2
236 24.8 19.8 29.8





#78

Pyrene

Concen: 31.792 ng

RT: 12.733 min Scan# 1810

Delta R.T. -0.006 min

Lab File: BF135363.D

Acq: 20 Sep 2023 18:11

Instrument :

BNA_F

ClientSampleId :

1028

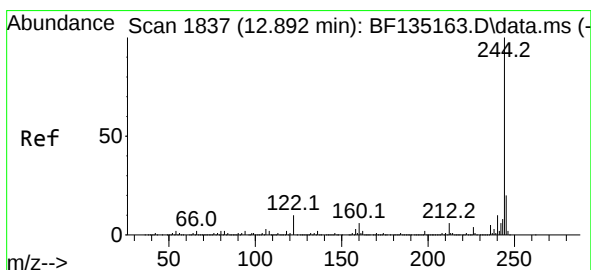
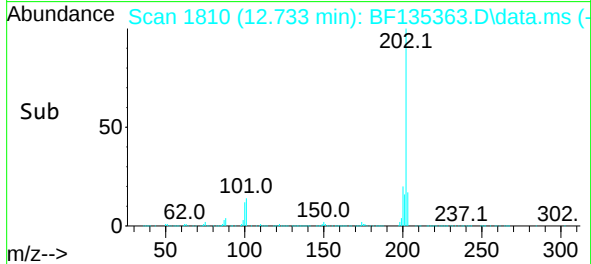
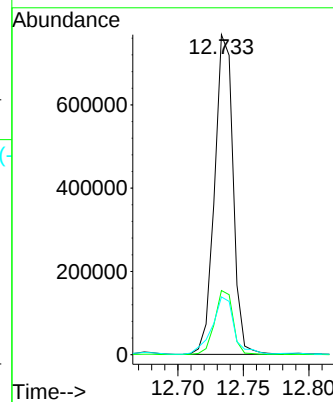
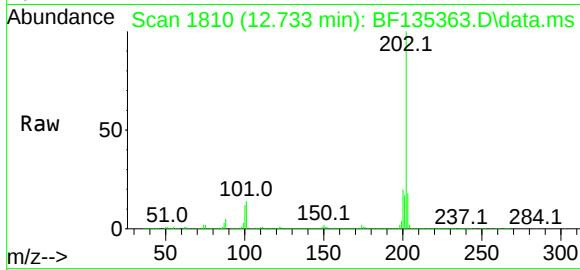
Tgt Ion:202 Resp: 75544
 Ion Ratio Lower Upper
 202 100
 200 20.0 16.2 24.2
 203 18.1 14.2 21.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2023

Supervised By :mohammad ahmed 09/21/2023



#79

Terphenyl-d14

Concen: 27.323 ng

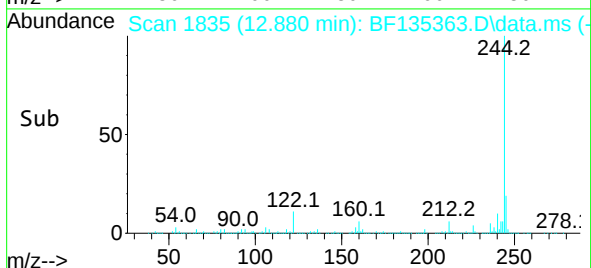
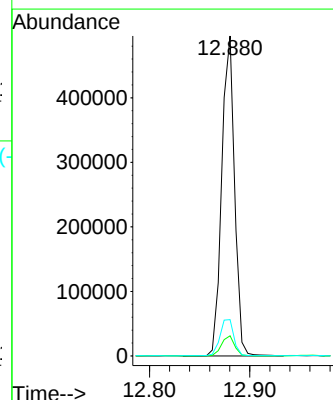
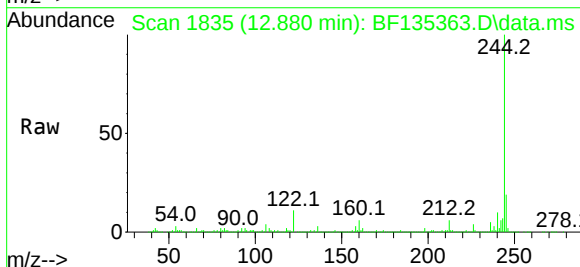
RT: 12.880 min Scan# 1835

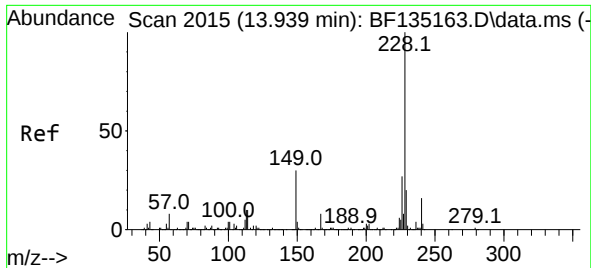
Delta R.T. -0.012 min

Lab File: BF135363.D

Acq: 20 Sep 2023 18:11

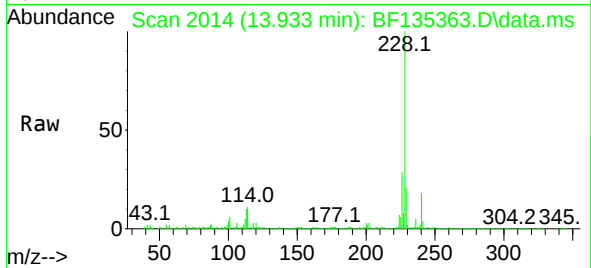
Tgt Ion:244 Resp: 439911
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.1 7.7
 122 11.3 7.9 11.9





#81
Benzo(a)anthracene
Concen: 22.230 ng
RT: 13.933 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF135363.D
Acq: 20 Sep 2023 18:11

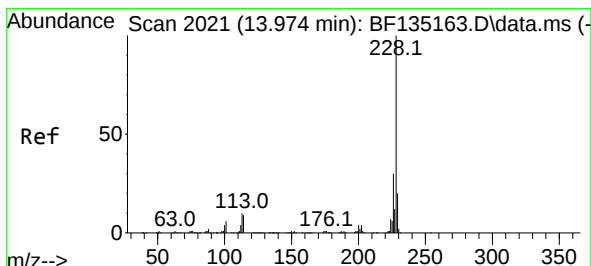
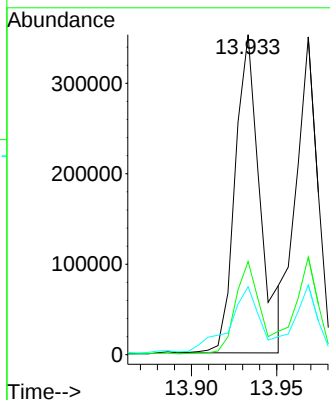
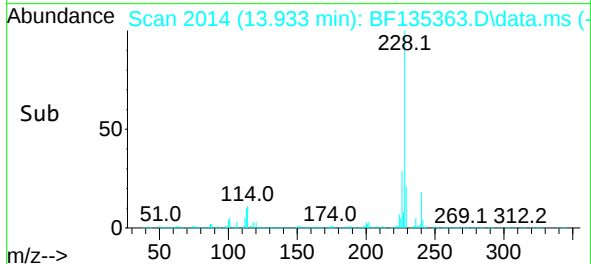
Instrument :
BNA_F
ClientSampleId :
1028



Tgt Ion:228 Resp: 35827
Ion Ratio Lower Upper
228 100
226 29.1 21.7 32.5
229 21.2 15.8 23.8

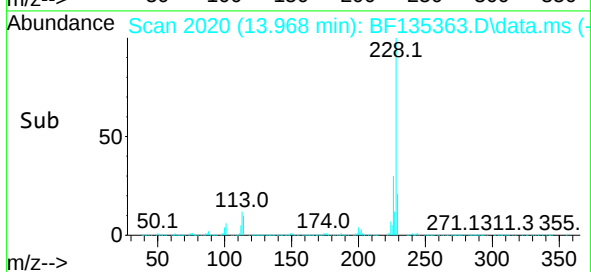
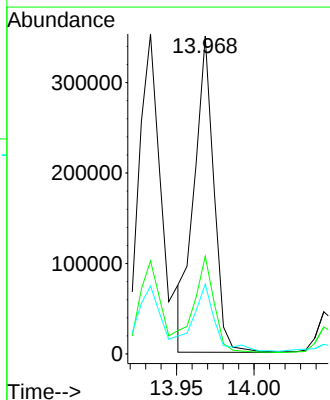
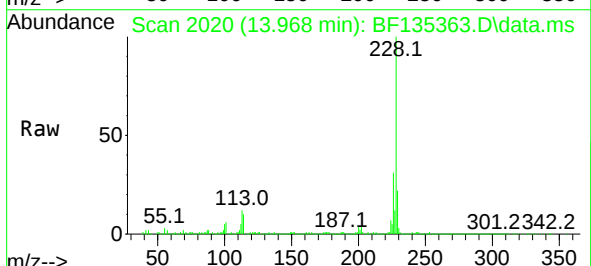
Manual Integrations
APPROVED

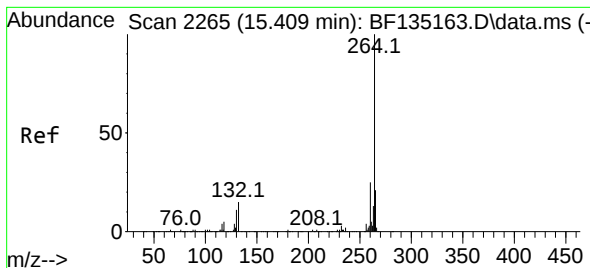
Reviewed By :Yogesh Patel 09/21/2023
Supervised By :mohammad ahmed 09/21/2023



#83
Chrysene
Concen: 19.219 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF135363.D
Acq: 20 Sep 2023 18:11

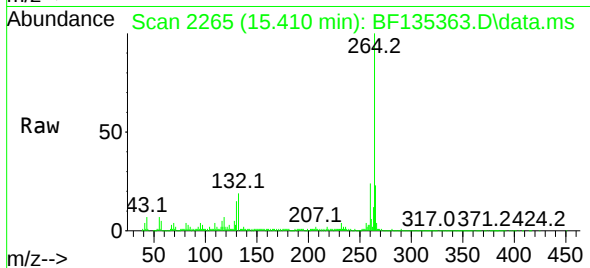
Tgt Ion:228 Resp: 307947
Ion Ratio Lower Upper
228 100
226 30.8 24.3 36.5
229 22.0 16.0 24.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.410 min Scan# 21028
Delta R.T. 0.000 min
Lab File: BF135363.D
Acq: 20 Sep 2023 18:11

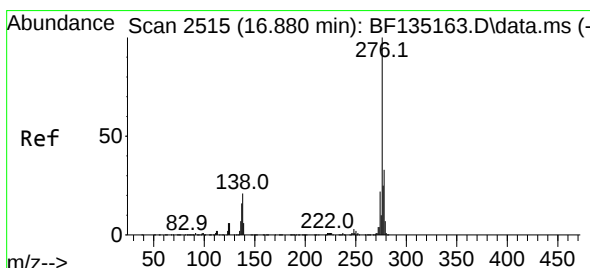
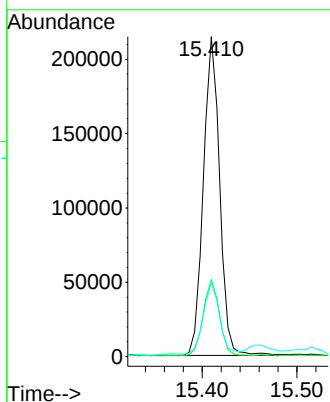
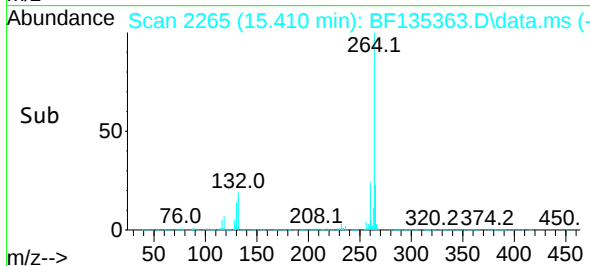
Instrument :
BNA_F
ClientSampleId :
1028



Tgt Ion:264 Resp: 256058
Ion Ratio Lower Upper
264 100
260 24.0 19.8 29.6
265 23.3 17.0 25.4

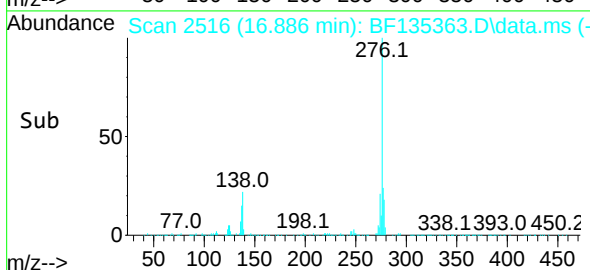
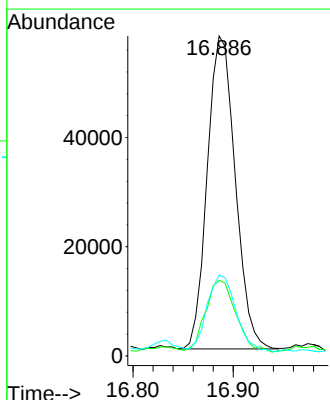
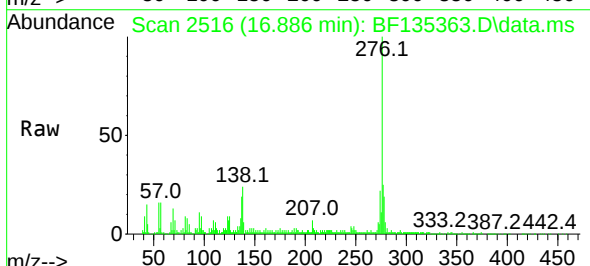
Manual Integrations
APPROVED

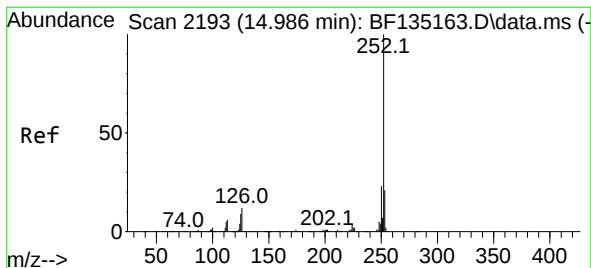
Reviewed By :Yogesh Patel 09/21/2023
Supervised By :mohammad ahmed 09/21/2023



#87
Indeno(1,2,3-cd)pyrene
Concen: 6.613 ng
RT: 16.886 min Scan# 2516
Delta R.T. 0.006 min
Lab File: BF135363.D
Acq: 20 Sep 2023 18:11

Tgt Ion:276 Resp: 111018
Ion Ratio Lower Upper
276 100
138 24.9 19.2 28.8
277 25.2 19.7 29.5





#88

Benzo(b)fluoranthene

Concen: 28.789 ng m

RT: 14.986 min Scan# 2193

Delta R.T. 0.000 min

Lab File: BF135363.D

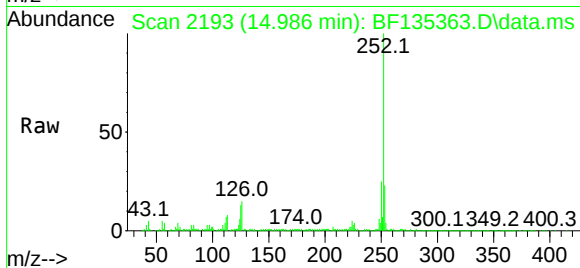
Acq: 20 Sep 2023 18:11

Instrument :

BNA_F

ClientSampleId :

1028



Tgt Ion:252 Resp: 399058

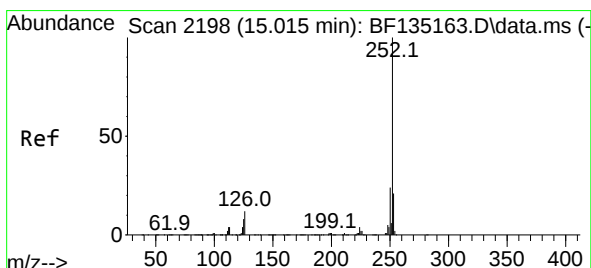
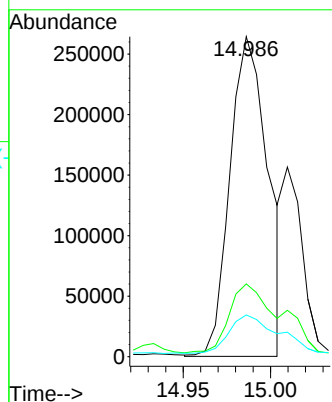
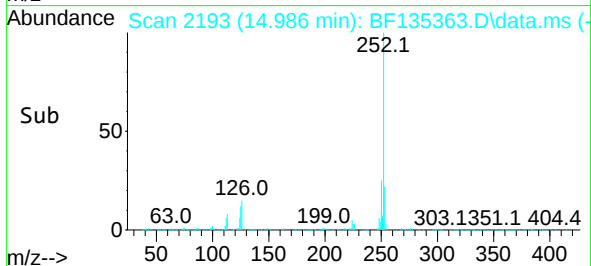
Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.2	25.8
125	13.1	7.1	10.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2023

Supervised By :mohammad ahmed 09/21/2023



#89

Benzo(k)fluoranthene

Concen: 9.022 ng m

RT: 15.010 min Scan# 2197

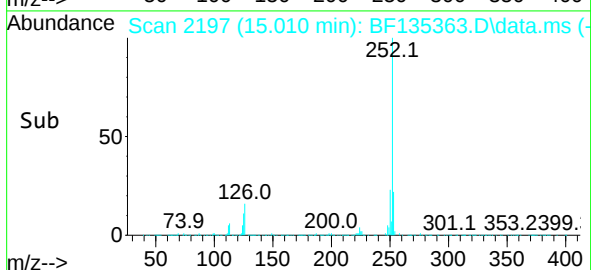
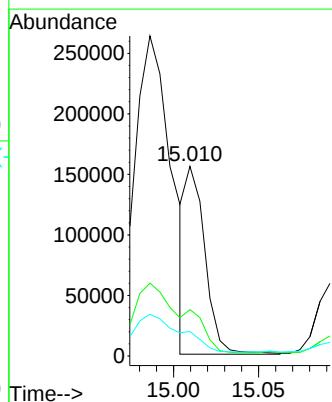
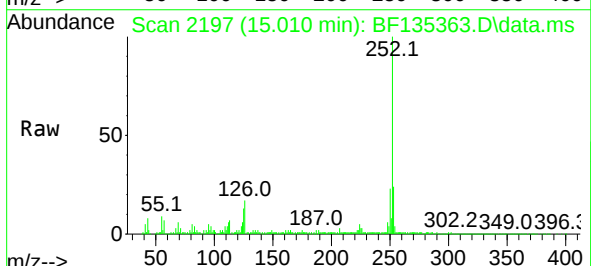
Delta R.T. -0.006 min

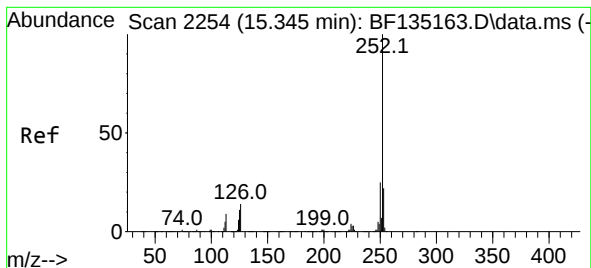
Lab File: BF135363.D

Acq: 20 Sep 2023 18:11

Tgt Ion:252 Resp: 123527

Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.4	26.0
125	12.9	7.2	10.8





#90

Benzo(a)pyrene

Concen: 19.941 ng

RT: 15.351 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF135363.D

Acq: 20 Sep 2023 18:11

Instrument :

BNA_F

ClientSampleId :

1028

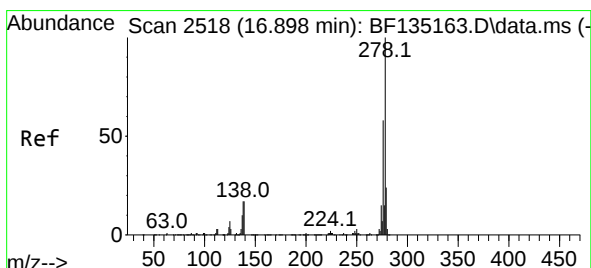
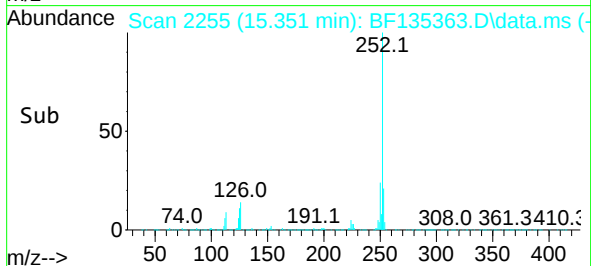
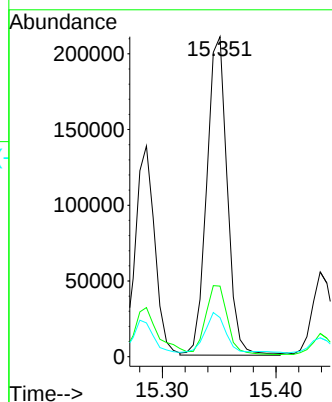
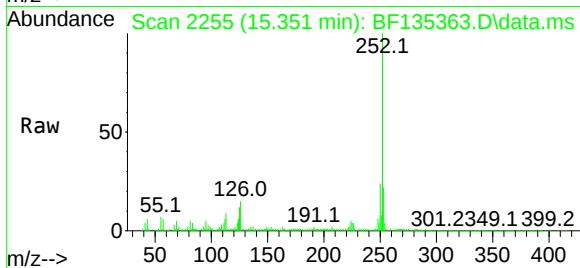
Tgt Ion:252 Resp: 263592
 Ion Ratio Lower Upper
 252 100
 253 22.0 17.5 26.3
 125 12.2 9.2 13.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2023

Supervised By :mohammad ahmed 09/21/2023



#91

Dibenzo(a,h)anthracene

Concen: 2.129 ng

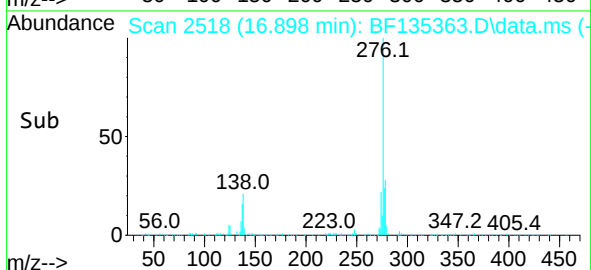
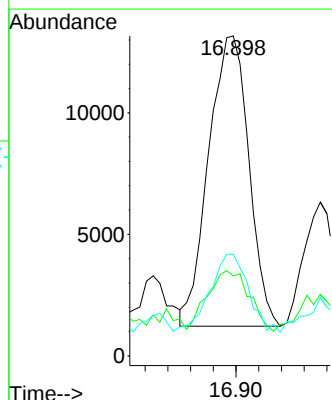
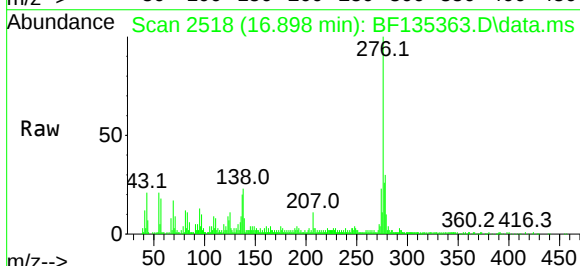
RT: 16.898 min Scan# 2518

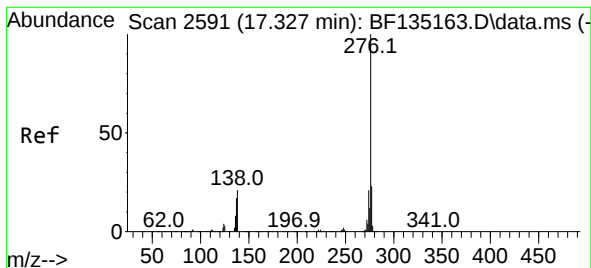
Delta R.T. 0.000 min

Lab File: BF135363.D

Acq: 20 Sep 2023 18:11

Tgt Ion:278 Resp: 29242
 Ion Ratio Lower Upper
 278 100
 139 25.0 13.4 20.0#
 279 31.8 19.0 28.6#





#92

Benzo(g,h,i)perylene

Concen: 6.820 ng

RT: 17.333 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF135363.D

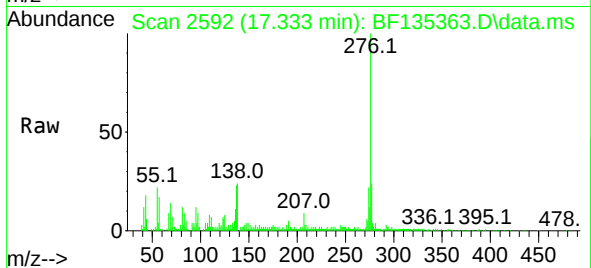
Acq: 20 Sep 2023 18:11

Instrument :

BNA_F

ClientSampleId :

1028



Tgt Ion:276 Resp: 97839

Ion Ratio Lower Upper

276 100

277 23.9 18.8 28.2

138 24.4 16.9 25.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/21/2023

Supervised By :mohammad ahmed 09/21/2023

