

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
 Data File : BF135861.D
 Acq On : 18 Oct 2023 22:27
 Operator : CG\JU
 Sample : 04882-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-218

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/19/2023
 Supervised By :mohammad ahmed 10/20/2023

Quant Time: Oct 19 02:09:44 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 17 01:22:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.740	152	84688	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	338384	20.000	ng	0.00
39) Acenaphthene-d10	9.775	164	157615	20.000	ng	-0.01
64) Phenanthrene-d10	11.269	188	304698	20.000	ng	-0.01
76) Chrysene-d12	13.939	240	145432	20.000	ng	-0.01
86) Perylene-d12	15.415	264	172164	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	737620	140.033	ng	0.01
7) Phenol-d6	6.398	99	920087	139.993	ng	0.00
23) Nitrobenzene-d5	7.310	82	573471	93.209	ng	0.00
42) 2,4,6-Tribromophenol	10.575	330	236229	156.190	ng	-0.01
45) 2-Fluorobiphenyl	9.098	172	1044188	103.581	ng	0.00
79) Terphenyl-d14	12.869	244	939601	119.648	ng	-0.01
Target Compounds						Qvalue
70) Pentachlorophenol	11.104	266	2657	2.163	ng	95
71) Phenanthrene	11.298	178	63585	4.356	ng	99
75) Fluoranthene	12.498	202	98063	6.053	ng	97
78) Pyrene	12.727	202	90051	7.792	ng	98
81) Benzo(a)anthracene	13.927	228	21739	2.276	ng	96
83) Chrysene	13.968	228	27276	2.948	ng	100
88) Benzo(b)fluoranthene	14.992	252	27750m	2.880	ng	
92) Benzo(g,h,i)perylene	17.404	276	16711	2.115	ng	96

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

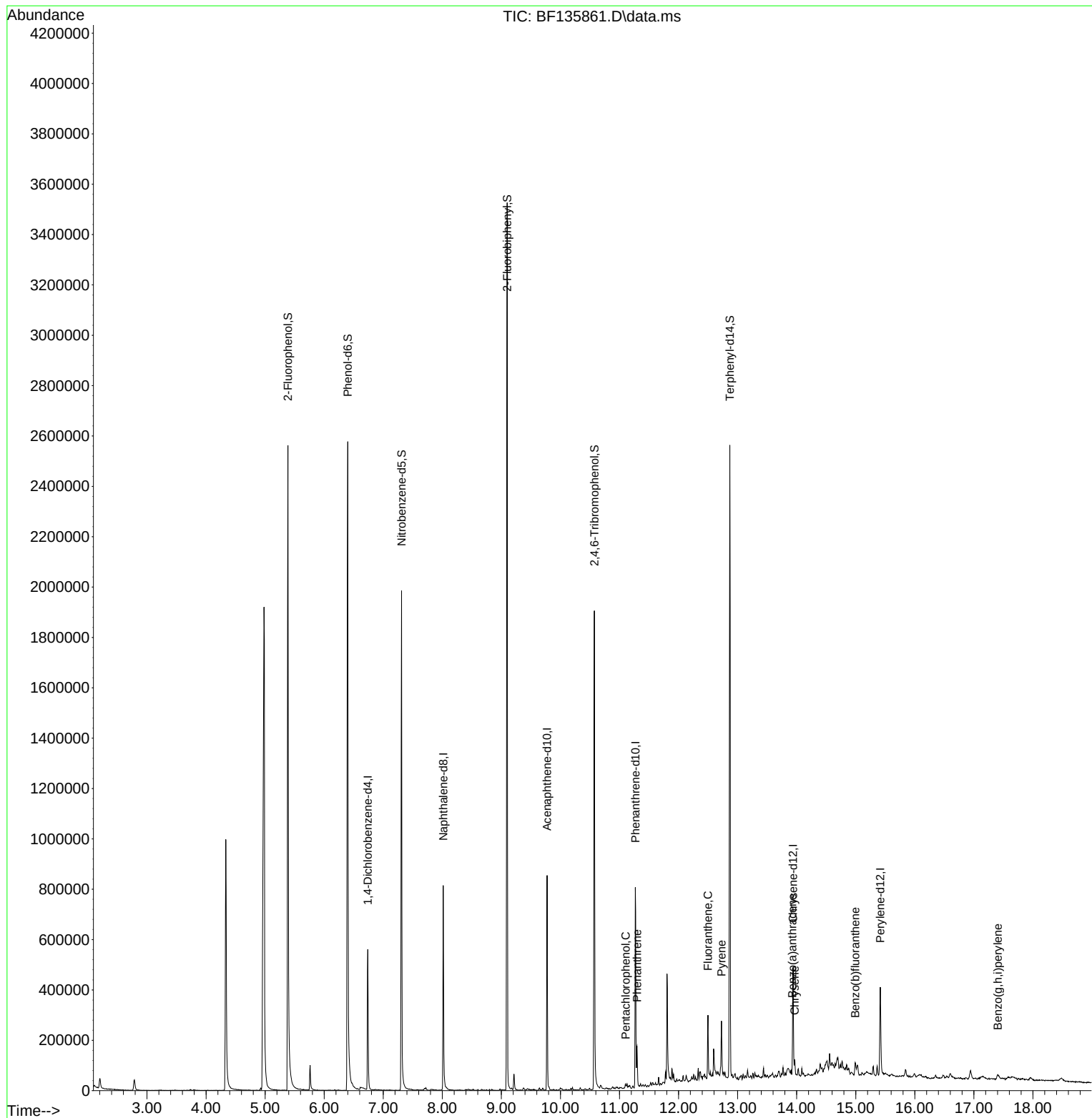
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
Data File : BF135861.D
Acq On : 18 Oct 2023 22:27
Operator : CG\JU
Sample : 04882-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

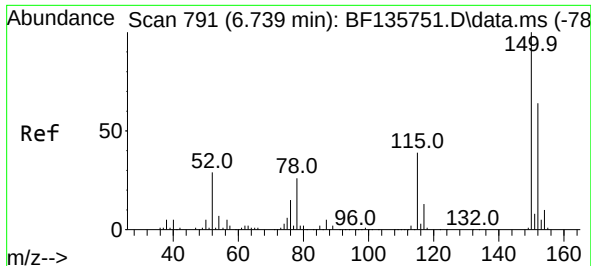
Instrument :
BNA_F
ClientSampleId :
VNJ-218

Quant Time: Oct 19 02:09:44 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 17 01:22:00 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

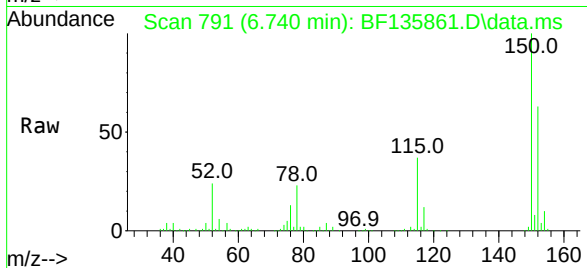
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.740 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF135861.D
Acq: 18 Oct 2023 22:27

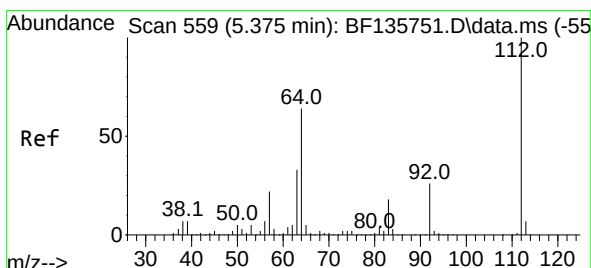
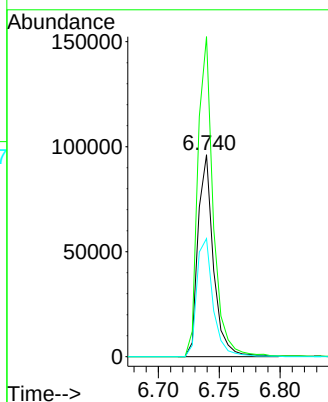
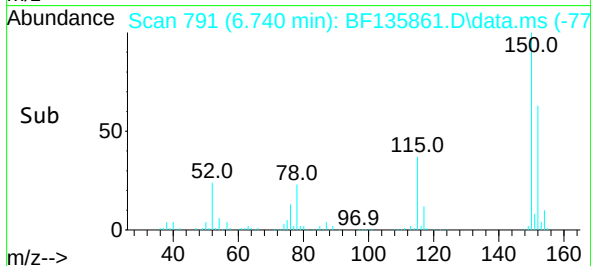
Instrument :
BNA_F
ClientSampleId :
VNJ-218



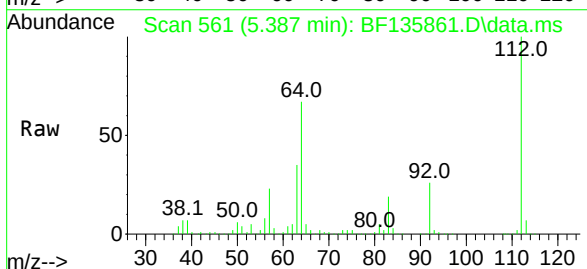
Tgt Ion:152 Resp: 84688
Ion Ratio Lower Upper
152 100
150 158.5 124.5 186.7
115 58.5 49.0 73.4

Manual Integrations
APPROVED

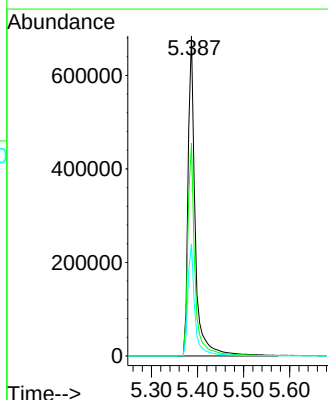
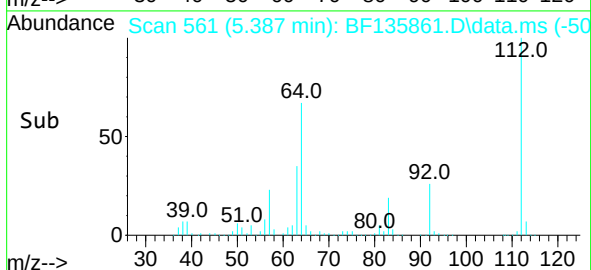
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023

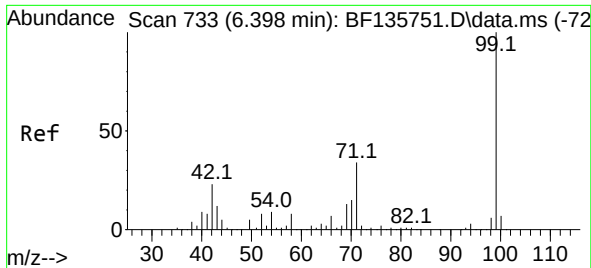


#5
2-Fluorophenol
Concen: 140.033 ng
RT: 5.387 min Scan# 561
Delta R.T. 0.012 min
Lab File: BF135861.D
Acq: 18 Oct 2023 22:27



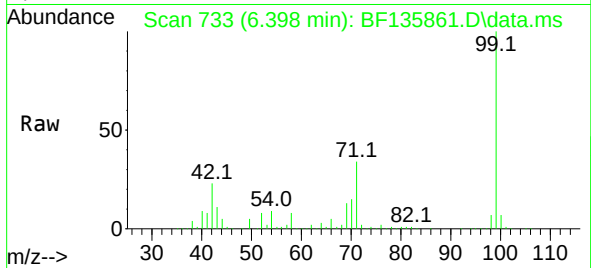
Tgt Ion:112 Resp: 737620
Ion Ratio Lower Upper
112 100
64 66.5 51.2 76.8
63 35.0 26.1 39.1





#7
Phenol-d6
Concen: 139.993 ng
RT: 6.398 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF135861.D
Acq: 18 Oct 2023 22:27

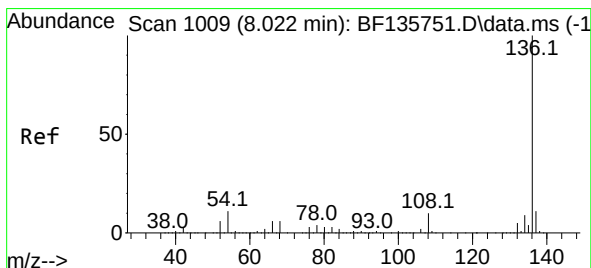
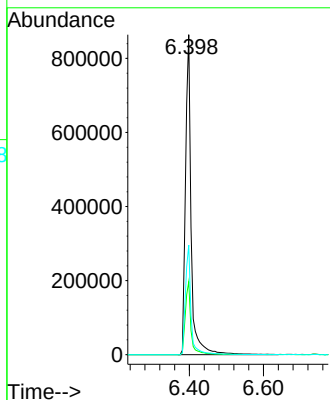
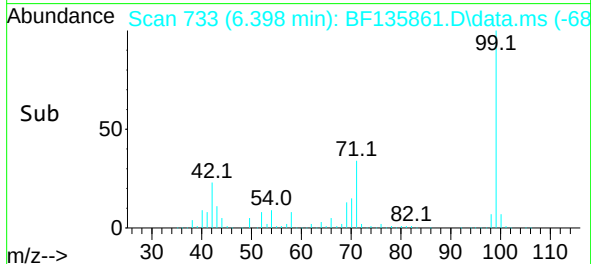
Instrument :
BNA_F
ClientSampleId :
VNJ-218



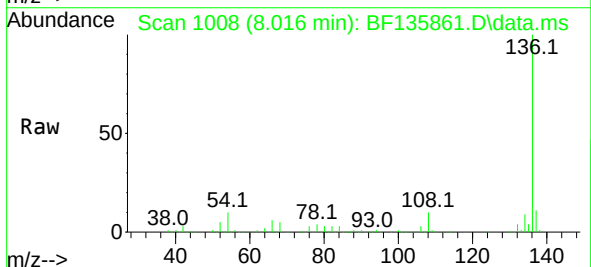
Tgt Ion: 99 Resp: 92008
Ion Ratio Lower Upper
99 100
42 22.8 18.4 27.6
71 34.3 27.2 40.8

Manual Integrations
APPROVED

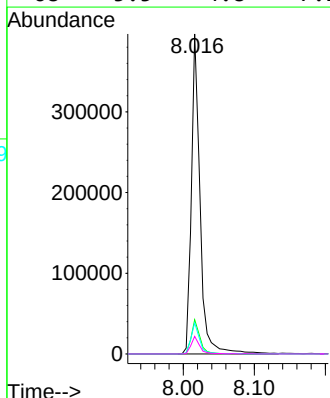
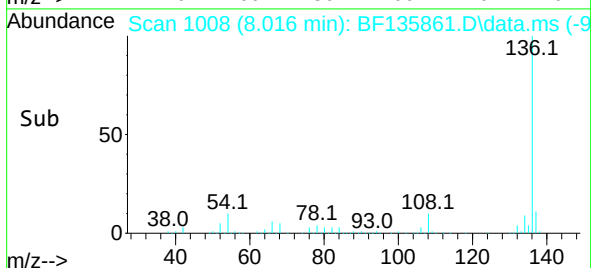
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023

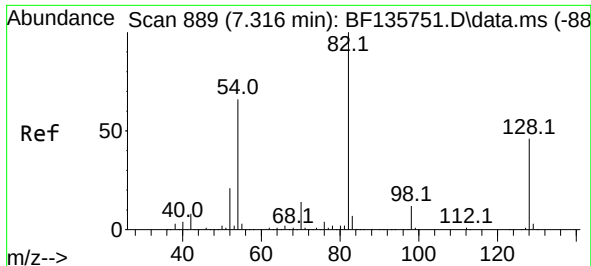


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF135861.D
Acq: 18 Oct 2023 22:27



Tgt Ion:136 Resp: 338384
Ion Ratio Lower Upper
136 100
137 10.7 8.6 12.8
54 9.7 8.5 12.7
68 5.5 4.8 7.2





#23

Nitrobenzene-d5

Concen: 93.209 ng

RT: 7.310 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF135861.D

Acq: 18 Oct 2023 22:27

Instrument :

BNA_F

ClientSampleId :

VNJ-218

Tgt Ion: 82 Resp: 57347

Ion Ratio Lower Upper

82 100

128 44.8 37.0 55.6

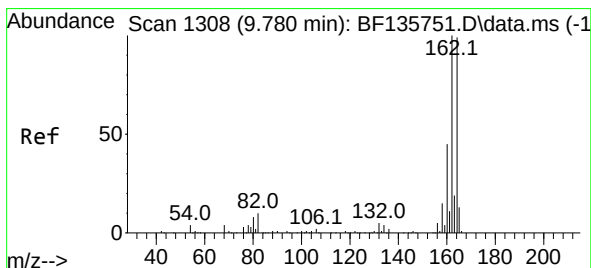
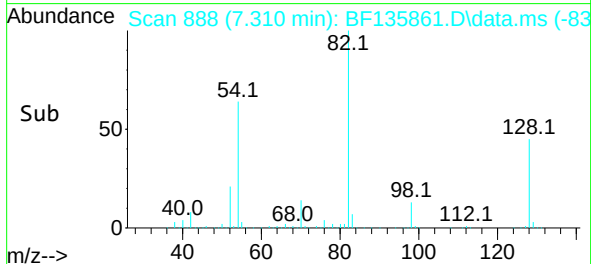
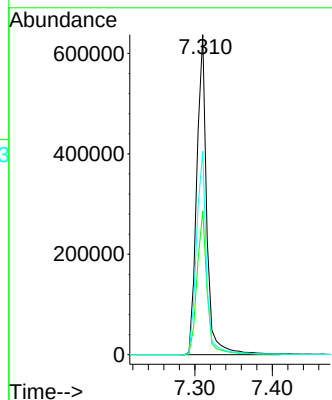
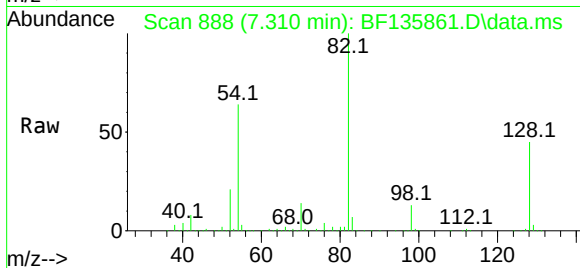
54 63.5 52.8 79.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/19/2023

Supervised By :mohammad ahmed 10/20/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.775 min Scan# 1307

Delta R.T. -0.012 min

Lab File: BF135861.D

Acq: 18 Oct 2023 22:27

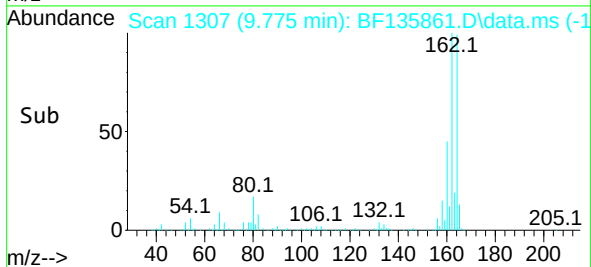
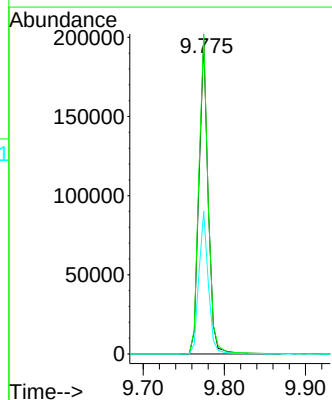
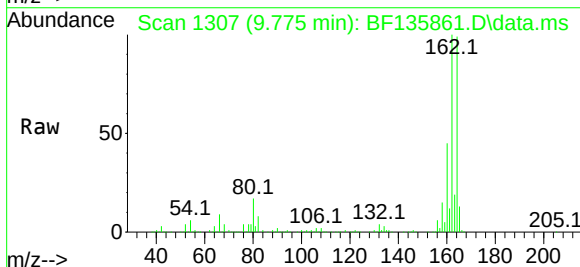
Tgt Ion:164 Resp: 157615

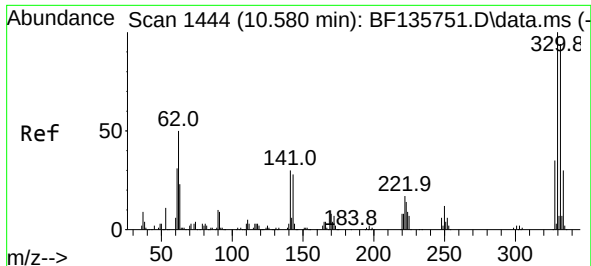
Ion Ratio Lower Upper

164 100

162 101.5 80.8 121.2

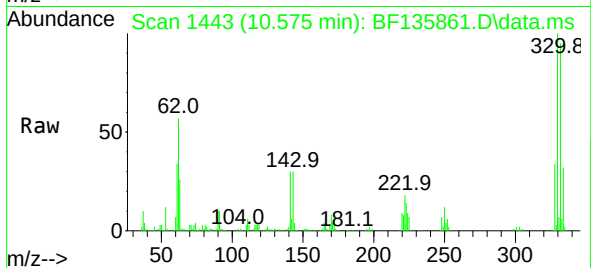
160 45.3 36.6 54.8





#42
2,4,6-Tribromophenol
Concen: 156.190 ng
RT: 10.575 min Scan# 1444
Delta R.T. -0.012 min
Lab File: BF135861.D
Acq: 18 Oct 2023 22:27

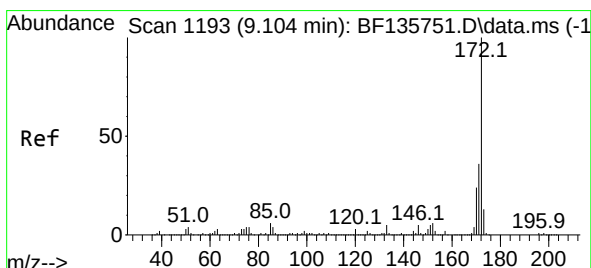
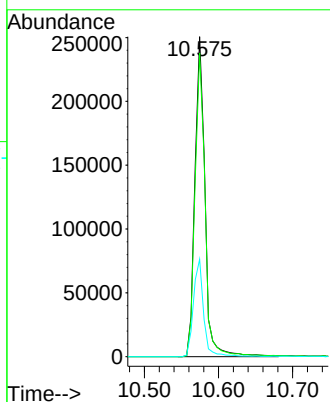
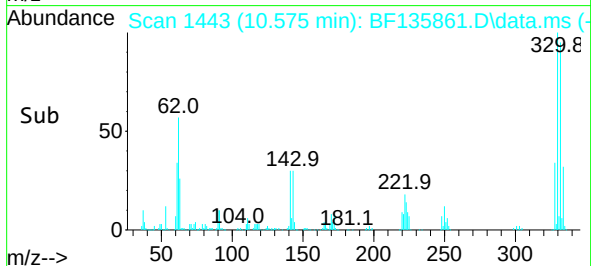
Instrument :
BNA_F
ClientSampleId :
VNJ-218



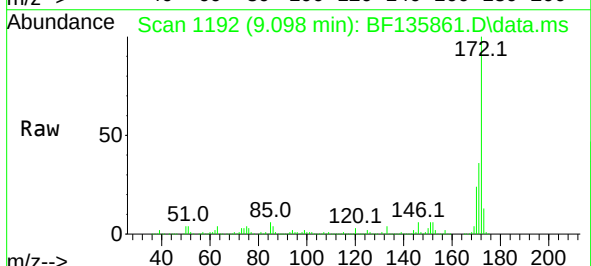
Tgt Ion: 330 Resp: 236229
Ion Ratio Lower Upper
330 100
332 95.7 75.0 112.4
141 31.0 25.8 38.6

Manual Integrations
APPROVED

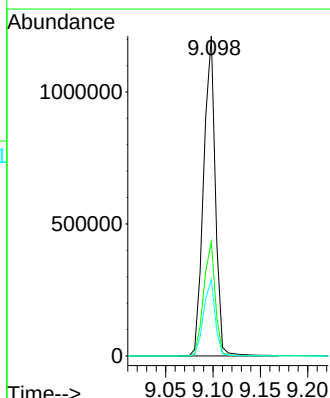
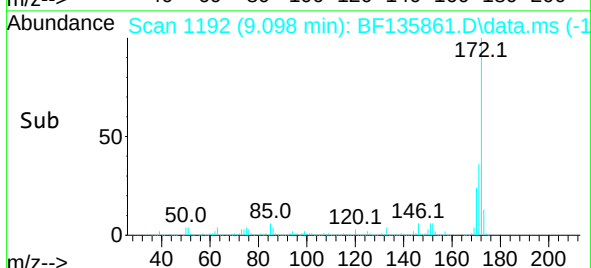
Reviewed By : Yogesh Patel 10/19/2023
Supervised By : mohammad ahmed 10/20/2023

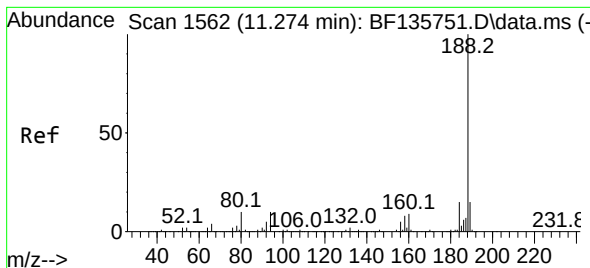


#45
2-Fluorobiphenyl
Concen: 103.581 ng
RT: 9.098 min Scan# 1192
Delta R.T. -0.006 min
Lab File: BF135861.D
Acq: 18 Oct 2023 22:27



Tgt Ion: 172 Resp: 1044188
Ion Ratio Lower Upper
172 100
171 35.8 28.4 42.6
170 23.8 18.8 28.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.269 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF135861.D

Acq: 18 Oct 2023 22:27

Instrument :

BNA_F

ClientSampleId :

VNJ-218

Tgt Ion:188 Resp: 304698

Ion Ratio Lower Upper

188 100

94 9.2 8.0 12.0

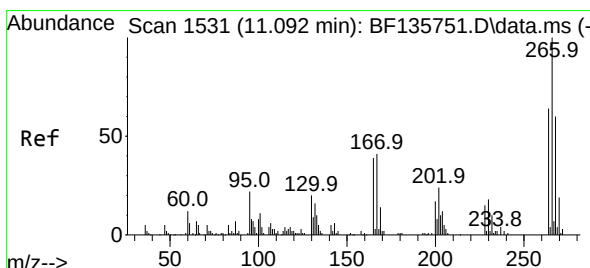
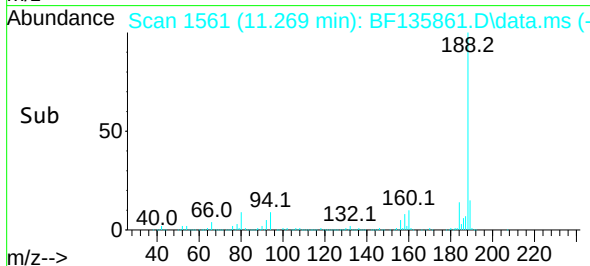
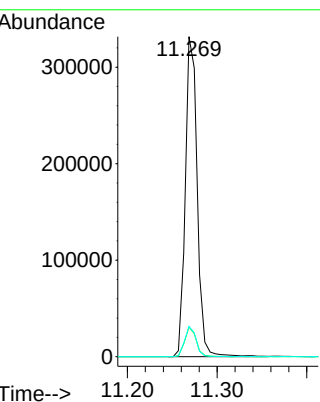
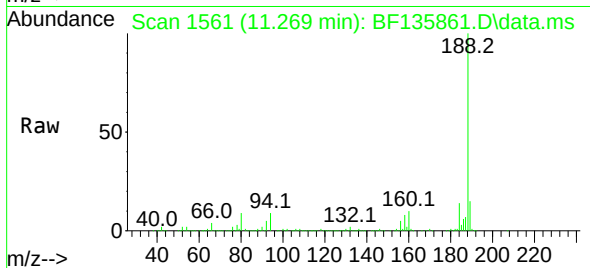
80 9.5 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/19/2023

Supervised By :mohammad ahmed 10/20/2023



#70

Pentachlorophenol

Concen: 2.163 ng

RT: 11.104 min Scan# 1533

Delta R.T. 0.012 min

Lab File: BF135861.D

Acq: 18 Oct 2023 22:27

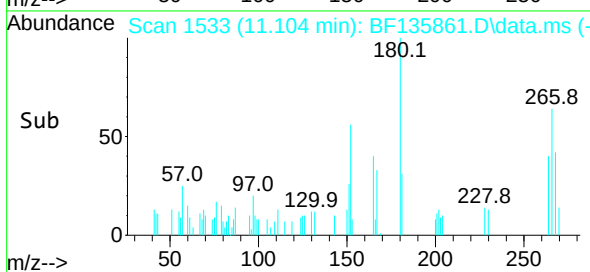
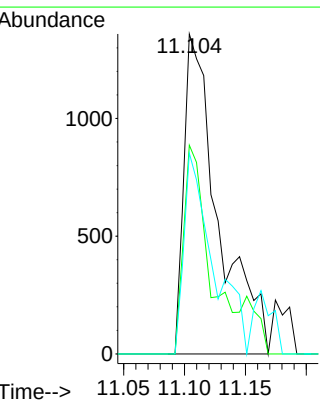
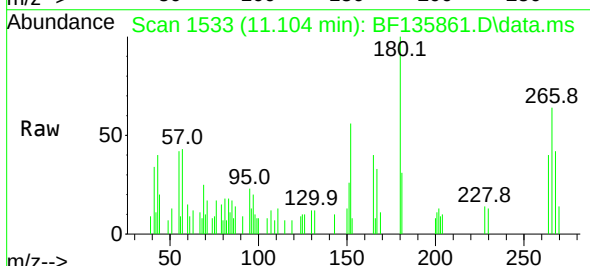
Tgt Ion:266 Resp: 2657

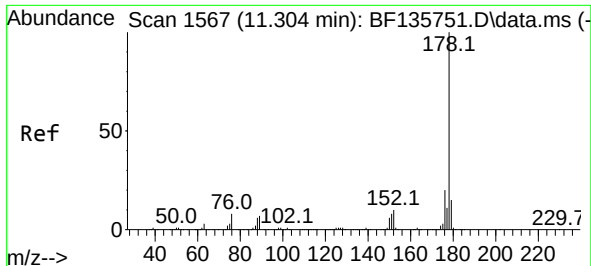
Ion Ratio Lower Upper

266 100

268 65.3 47.7 71.5

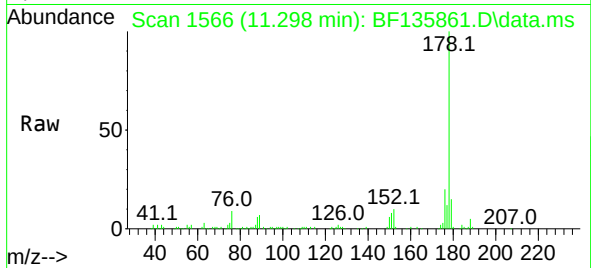
264 62.8 51.4 77.2





#71
Phenanthrene
Concen: 4.356 ng
RT: 11.298 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF135861.D
Acq: 18 Oct 2023 22:27

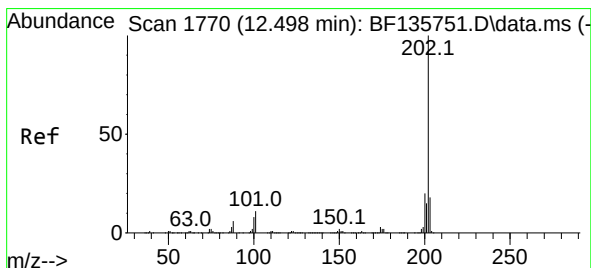
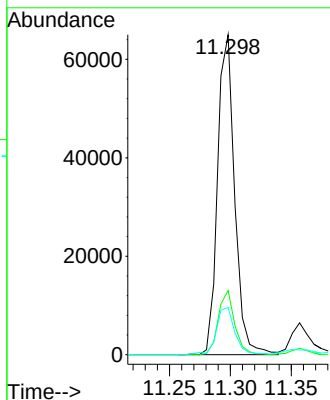
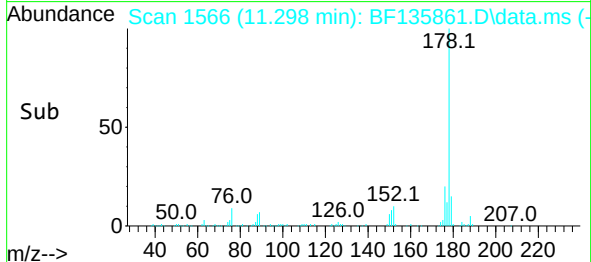
Instrument :
BNA_F
ClientSampleId :
VNJ-218



Tgt Ion:178 Resp: 6358
Ion Ratio Lower Upper
178 100
176 20.0 16.0 24.0
179 14.8 12.2 18.4

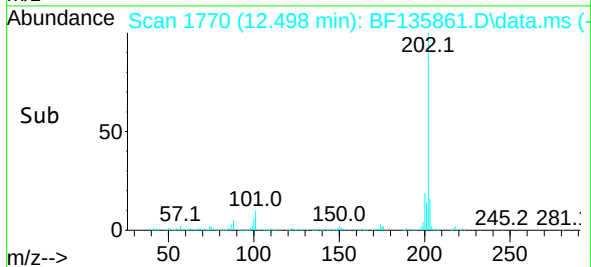
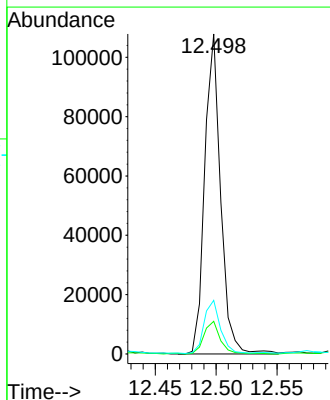
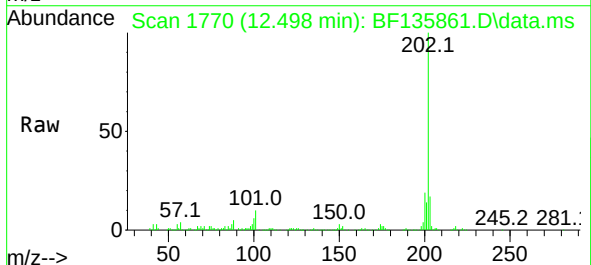
Manual Integrations
APPROVED

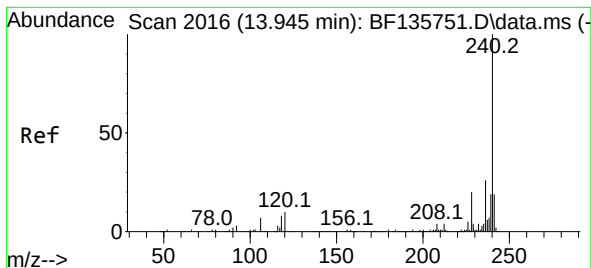
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023



#75
Fluoranthene
Concen: 6.053 ng
RT: 12.498 min Scan# 1770
Delta R.T. -0.006 min
Lab File: BF135861.D
Acq: 18 Oct 2023 22:27

Tgt Ion:202 Resp: 98063
Ion Ratio Lower Upper
202 100
101 10.2 0.0 31.5
203 16.8 0.0 38.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.939 min Scan# 2016

Delta R.T. -0.012 min

Lab File: BF135861.D

Acq: 18 Oct 2023 22:27

Instrument :

BNA_F

ClientSampleId :

VNJ-218

Tgt Ion:240 Resp: 14543

Ion Ratio Lower Upper

240 100

120 9.7 8.2 12.2

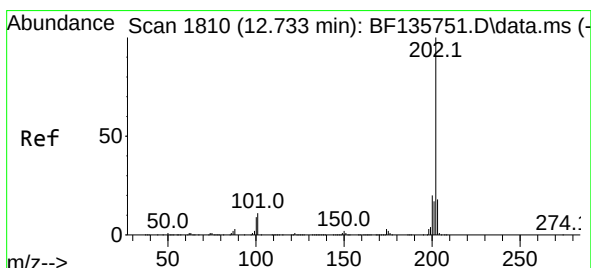
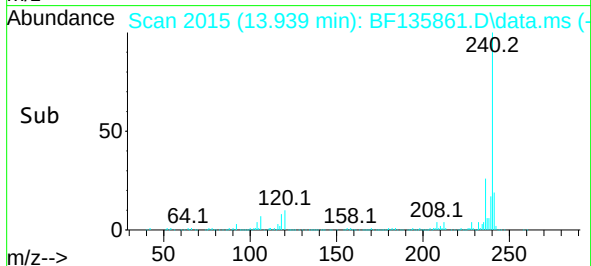
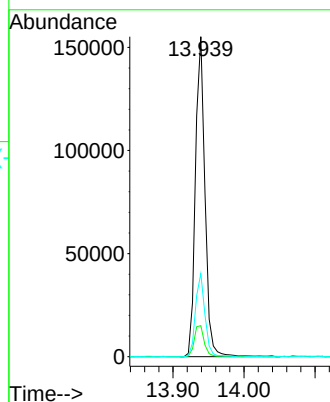
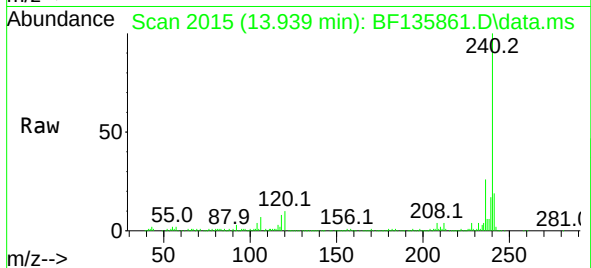
236 26.0 21.2 31.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/19/2023

Supervised By :mohammad ahmed 10/20/2023



#78

Pyrene

Concen: 7.792 ng

RT: 12.727 min Scan# 1809

Delta R.T. -0.006 min

Lab File: BF135861.D

Acq: 18 Oct 2023 22:27

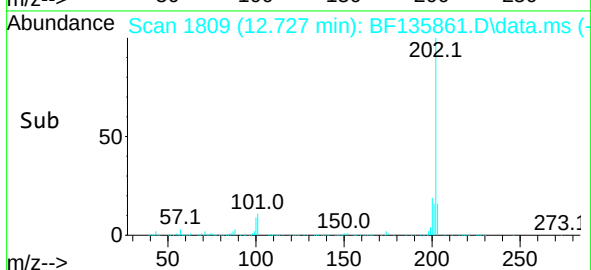
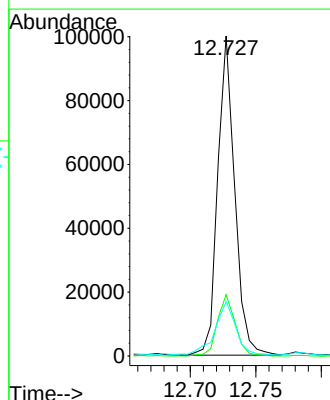
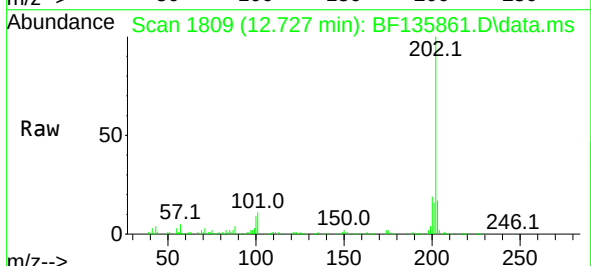
Tgt Ion:202 Resp: 90051

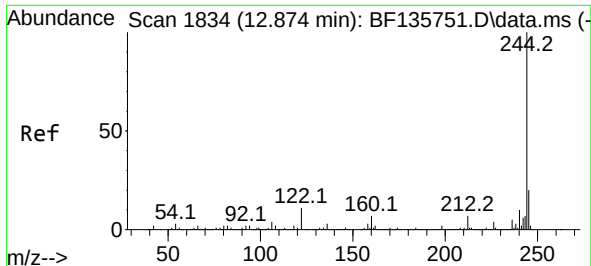
Ion Ratio Lower Upper

202 100

200 19.2 16.1 24.1

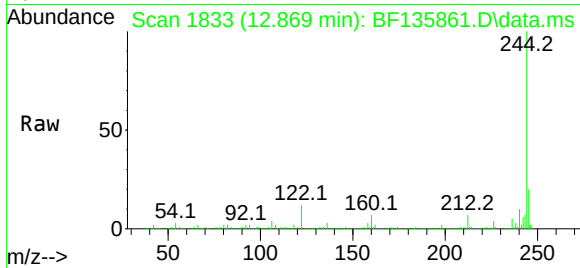
203 17.0 14.2 21.2





#79
 Terphenyl-d14
 Concen: 119.648 ng
 RT: 12.869 min Scan# 1833
 Delta R.T. -0.012 min
 Lab File: BF135861.D
 Acq: 18 Oct 2023 22:27

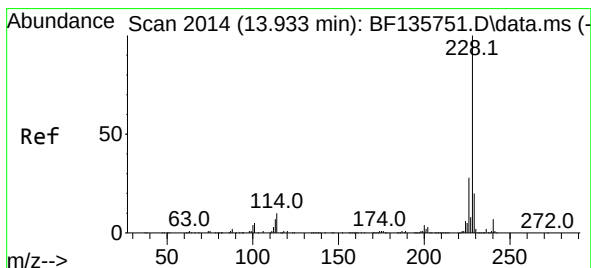
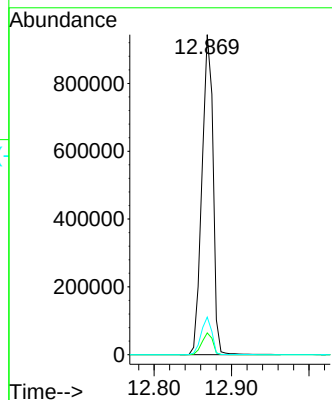
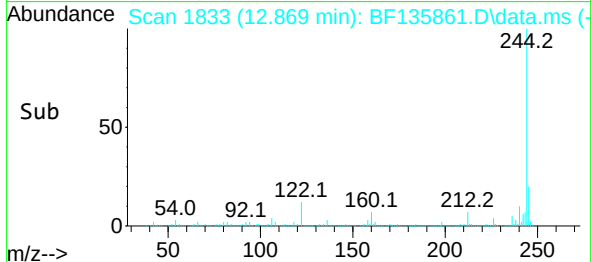
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-218



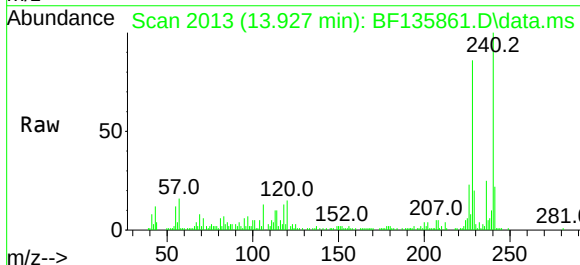
Tgt Ion:244 Resp: 93960
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.6 8.4
 122 11.7 9.0 13.6

Manual Integrations
 APPROVED

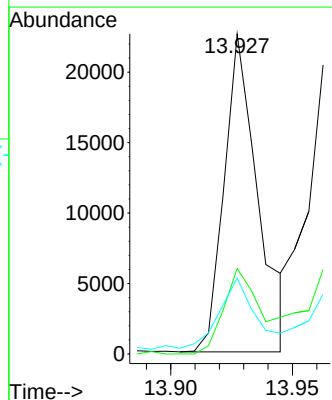
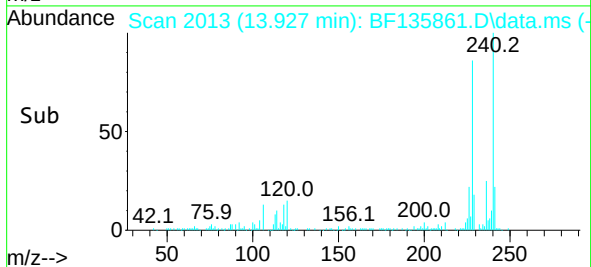
Reviewed By :Yogesh Patel 10/19/2023
 Supervised By :mohammad ahmed 10/20/2023

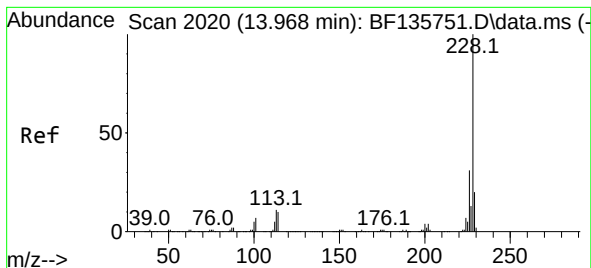


#81
 Benzo(a)anthracene
 Concen: 2.276 ng
 RT: 13.927 min Scan# 2013
 Delta R.T. -0.012 min
 Lab File: BF135861.D
 Acq: 18 Oct 2023 22:27



Tgt Ion:228 Resp: 21739
 Ion Ratio Lower Upper
 228 100
 226 26.7 22.2 33.2
 229 23.7 16.1 24.1





#83

Chrysene

Concen: 2.948 ng

RT: 13.968 min Scan# 2020

Delta R.T. -0.006 min

Lab File: BF135861.D

Acq: 18 Oct 2023 22:27

Instrument :

BNA_F

ClientSampleId :

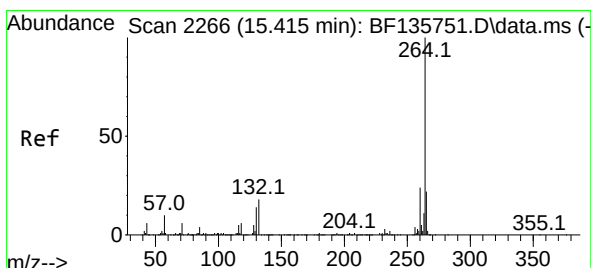
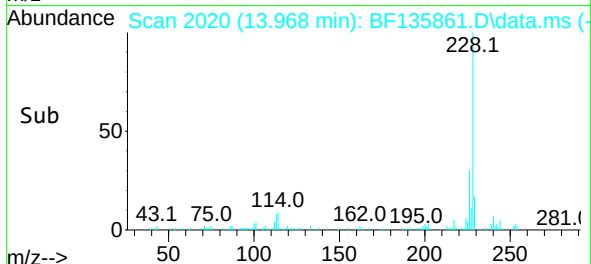
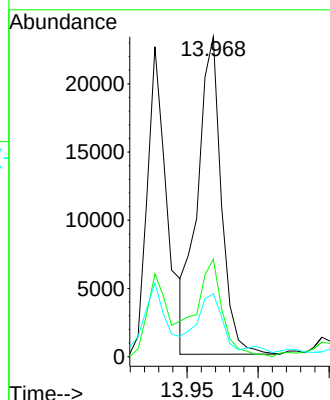
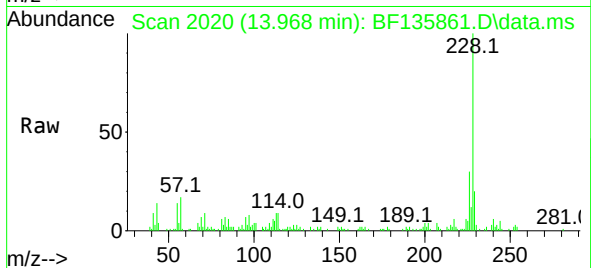
VNJ-218

Tgt Ion:228	Resp:	27270
Ion Ratio	Lower	Upper
228	100	
226	30.5	24.4 36.6
229	19.7	15.7 23.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023



#86

Perylene-d12

Concen: 20.000 ng

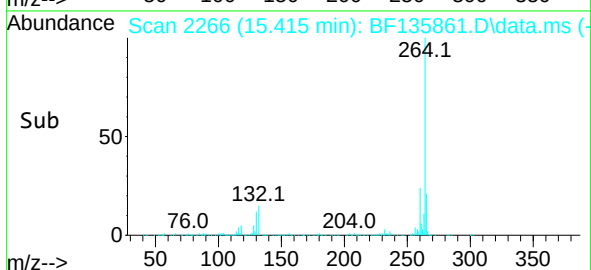
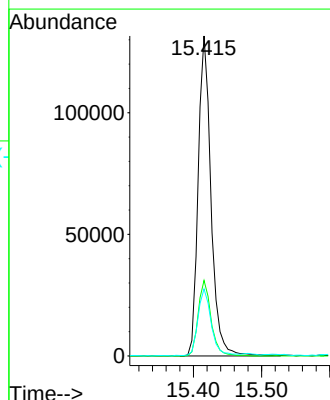
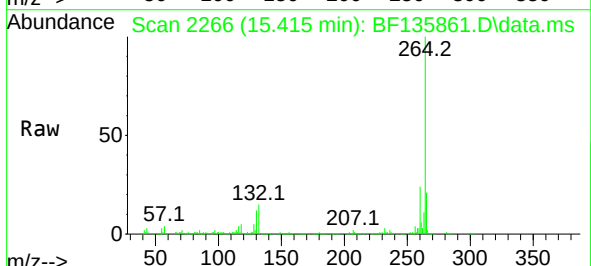
RT: 15.415 min Scan# 2266

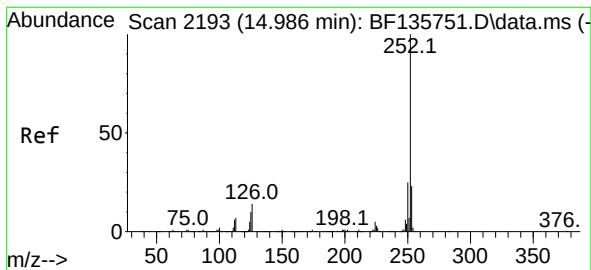
Delta R.T. -0.006 min

Lab File: BF135861.D

Acq: 18 Oct 2023 22:27

Tgt Ion:264	Resp:	172164
Ion Ratio	Lower	Upper
264	100	
260	23.6	19.2 28.8
265	21.0	17.4 26.2





#88

Benzo(b)fluoranthene

Concen: 2.880 ng m

RT: 14.992 min Scan# 2193

Delta R.T. -0.000 min

Lab File: BF135861.D

Acq: 18 Oct 2023 22:27

Instrument :

BNA_F

ClientSampleId :

VNJ-218

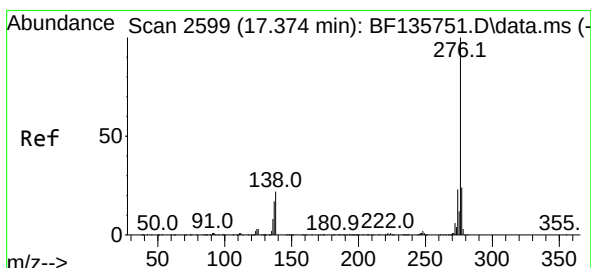
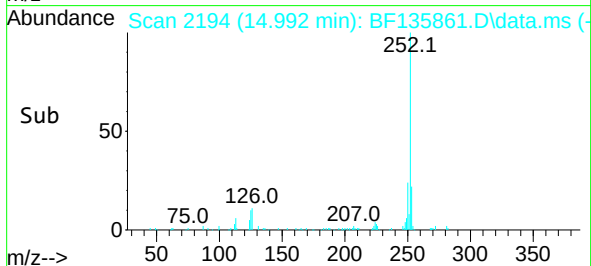
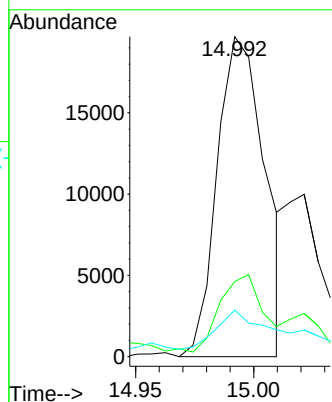
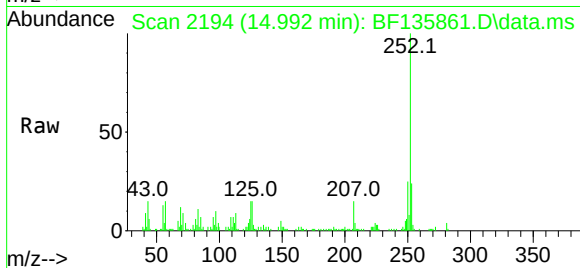
Tgt Ion:	252	Resp:	27750
Ion Ratio	Lower	Upper	
252	100		
253	23.5	18.2	27.2
125	14.6	8.2	12.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/19/2023

Supervised By :mohammad ahmed 10/20/2023



#92

Benzo(g,h,i)perylene

Concen: 2.115 ng

RT: 17.404 min Scan# 2604

Delta R.T. 0.018 min

Lab File: BF135861.D

Acq: 18 Oct 2023 22:27

Tgt Ion:	276	Resp:	16711
Ion Ratio	Lower	Upper	
276	100		
277	27.5	19.4	29.2
138	22.6	17.3	25.9

