

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
 Data File : BF135862.D
 Acq On : 18 Oct 2023 22:58
 Operator : CG\JU
 Sample : 04882-04
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-228

Manual Integrations
 APPROVED

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

Quant Time: Oct 19 02:10:07 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	6.739	152	96760	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	340079	20.000	ng	0.00
39) Acenaphthene-d10	9.774	164	163749	20.000	ng	-0.01
64) Phenanthrene-d10	11.269	188	305022	20.000	ng	-0.01
76) Chrysene-d12	13.939	240	162587	20.000	ng	-0.01
86) Perylene-d12	15.415	264	227008	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.381	112	561518	93.301	ng	0.00
7) Phenol-d6	6.392	99	722636	96.233	ng	0.00
23) Nitrobenzene-d5	7.310	82	425453	68.806	ng	0.00
42) 2,4,6-Tribromophenol	10.574	330	165745	105.482	ng	-0.01
45) 2-Fluorobiphenyl	9.092	172	684766	65.383	ng	-0.01
79) Terphenyl-d14	12.868	244	647680	73.773	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.292	178	152381	10.428	ng	98
75) Fluoranthene	12.492	202	325286	20.058	ng	98
78) Pyrene	12.727	202	258960	20.043	ng	100
81) Benzo(a)anthracene	13.927	228	84717	7.933	ng	98
83) Chrysene	13.962	228	129777	12.546	ng	99
87) Indeno(1,2,3-cd)pyrene	16.933	276	49607	4.011	ng	# 93
88) Benzo(b)fluoranthene	14.986	252	187614m	14.767	ng	
89) Benzo(k)fluoranthene	15.015	252	61218m	4.963	ng	
90) Benzo(a)pyrene	15.357	252	98921	8.280	ng	99
92) Benzo(g,h,i)perylene	17.386	276	45418	4.360	ng	# 94

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

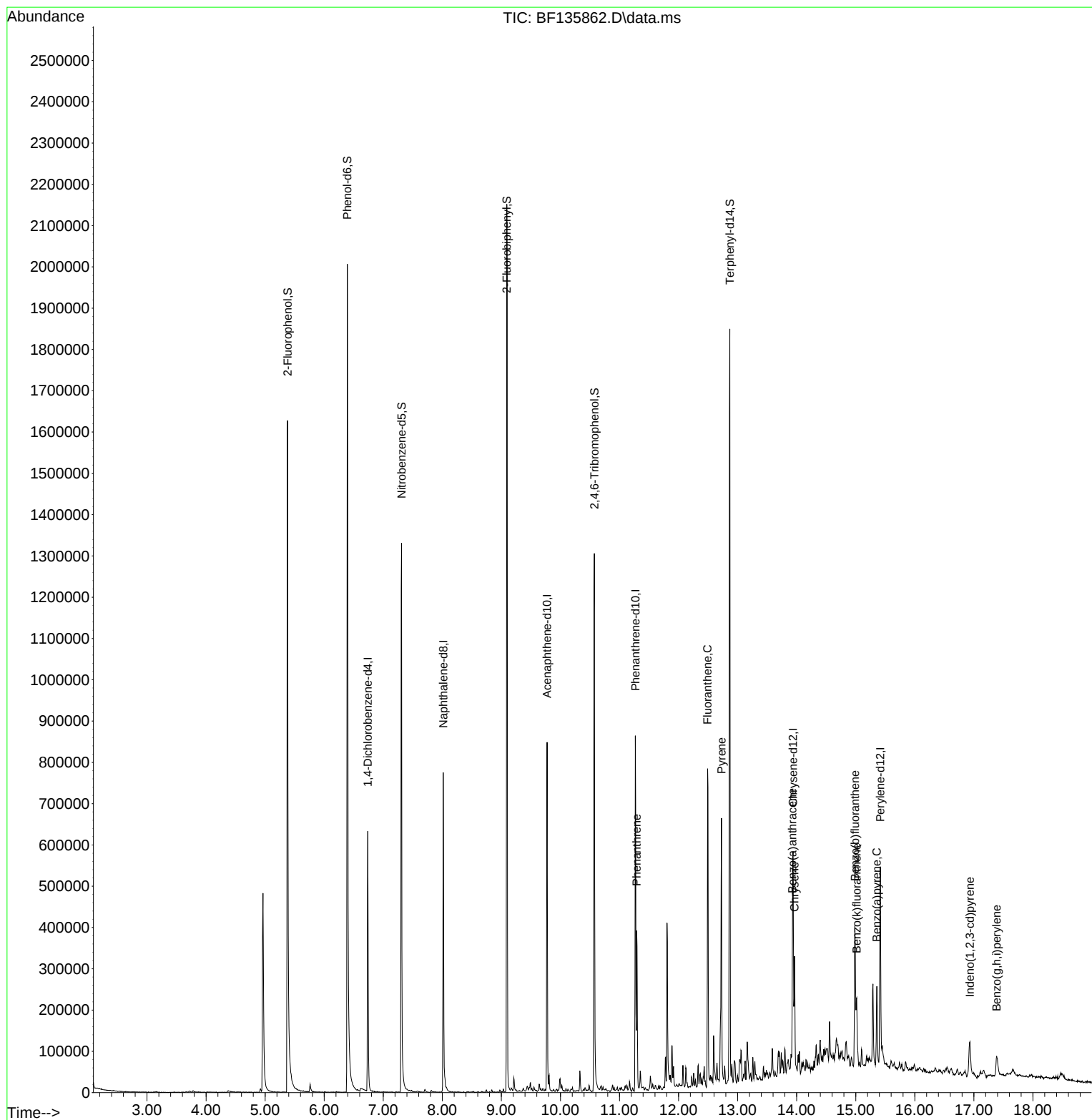
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101823\
Data File : BF135862.D
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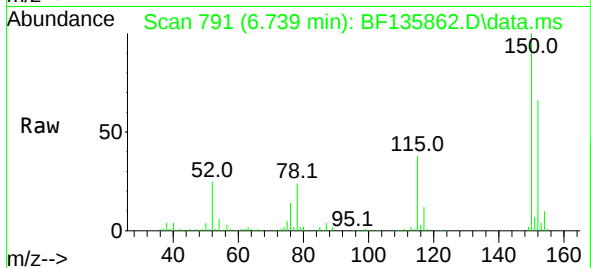
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.739 min Scan# 791
Delta R.T. -0.007 min
Lab File: BF135862.D
Acq: 18 Oct 2023 22:58

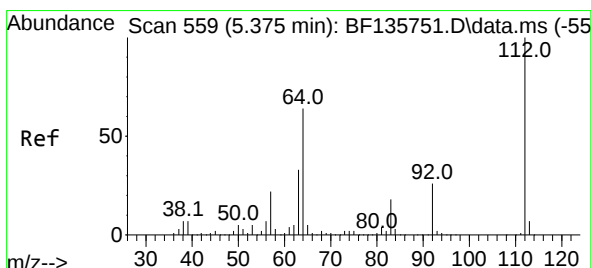
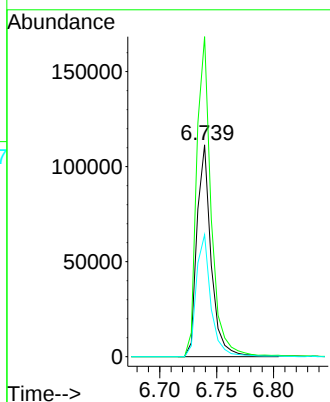
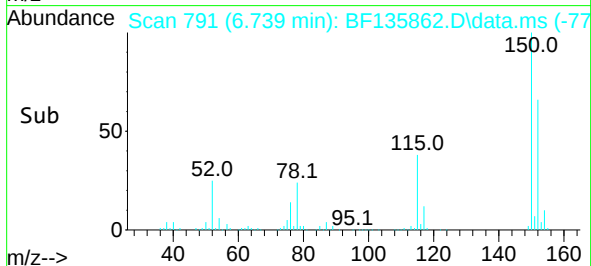
Instrument :
BNA_F
ClientSampleId :
VNJ-228



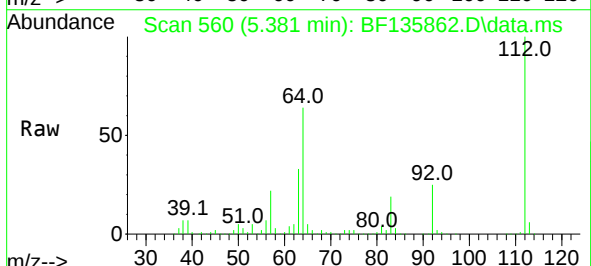
Tgt Ion:152 Resp: 96760
Ion Ratio Lower Upper
152 100
150 151.0 124.5 186.7
115 57.5 49.0 73.4

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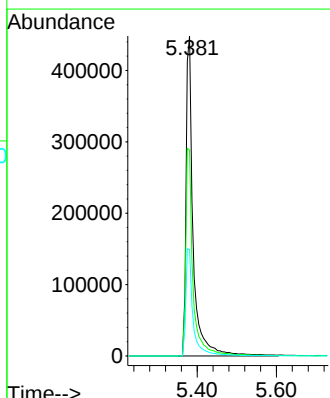
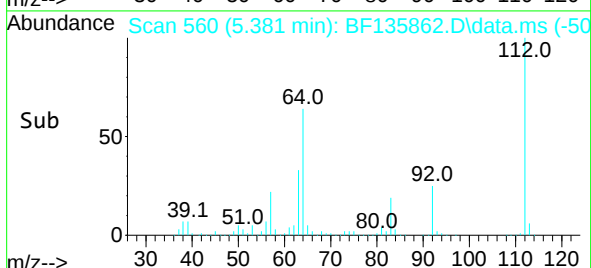
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023

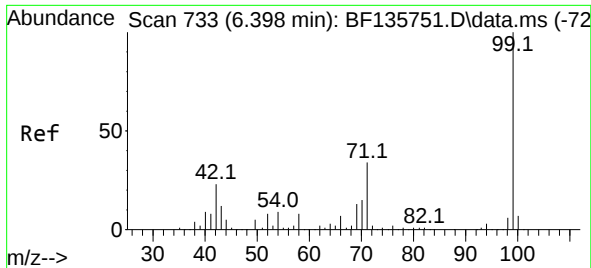


#5
2-Fluorophenol
Concen: 93.301 ng
RT: 5.381 min Scan# 560
Delta R.T. 0.006 min
Lab File: BF135862.D
Acq: 18 Oct 2023 22:58



Tgt Ion:112 Resp: 561518
Ion Ratio Lower Upper
112 100
64 64.3 51.2 76.8
63 33.2 26.1 39.1





#7

Phenol-d6

Concen: 96.233 ng

RT: 6.392 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF135862.D

Acq: 18 Oct 2023 22:58

Instrument :

BNA_F

ClientSampleId :

VNJ-228

Tgt Ion: 99 Resp: 722630

Ion Ratio Lower Upper

99 100

42 22.6 18.4 27.6

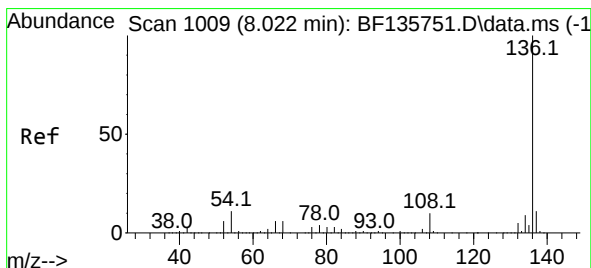
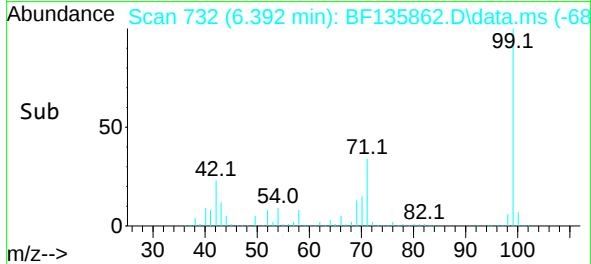
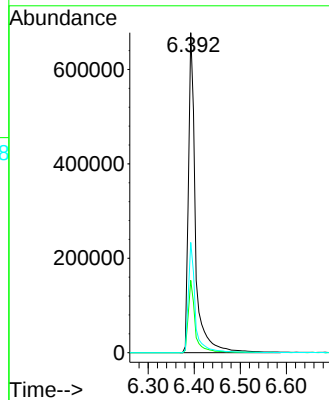
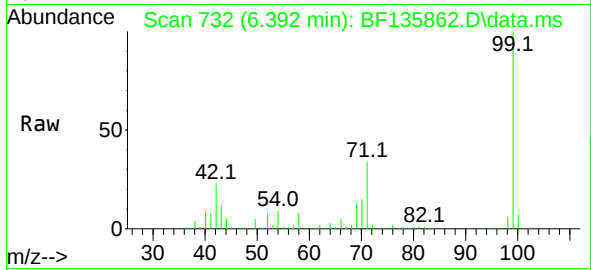
71 34.4 27.2 40.8

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.016 min Scan# 1008

Delta R.T. -0.006 min

Lab File: BF135862.D

Acq: 18 Oct 2023 22:58

Tgt Ion:136 Resp: 340079

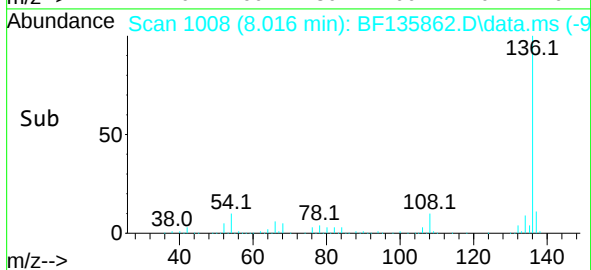
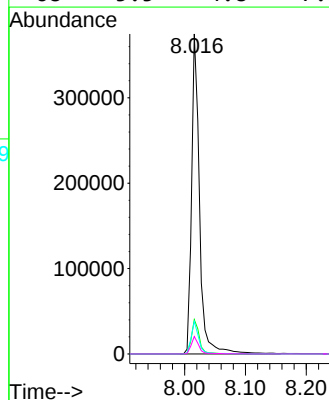
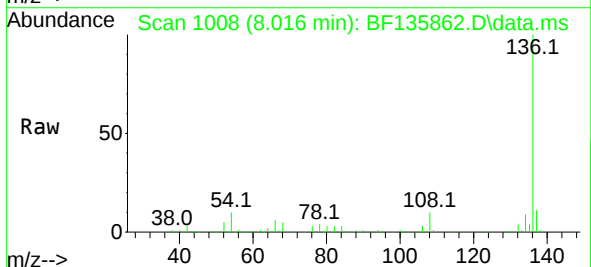
Ion Ratio Lower Upper

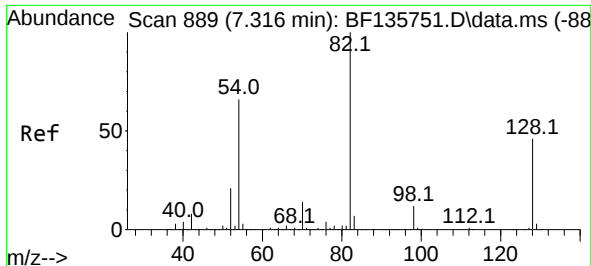
136 100

137 10.7 8.6 12.8

54 10.2 8.5 12.7

68 5.5 4.8 7.2





#23

Nitrobenzene-d5

Concen: 68.806 ng

RT: 7.310 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF135862.D

Acq: 18 Oct 2023 22:58

Instrument :

BNA_F

ClientSampleId :

VNJ-228

Tgt Ion: 82 Resp: 42545

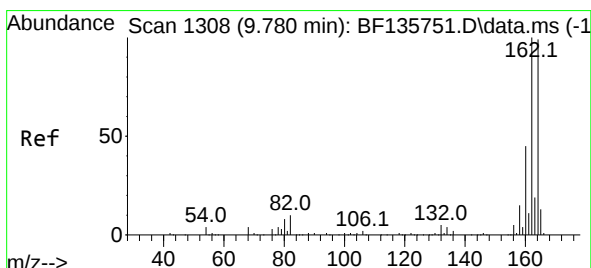
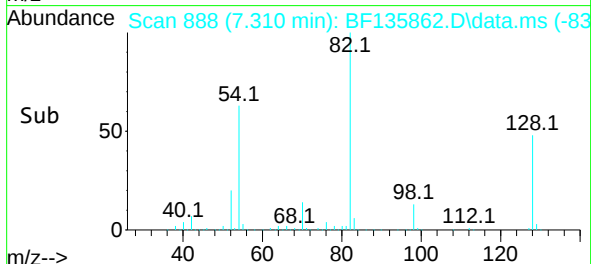
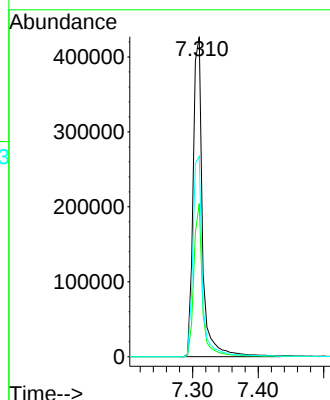
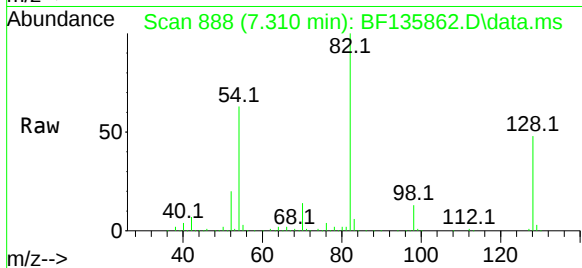
Ion	Ratio	Lower	Upper
82	100		
128	47.8	37.0	55.6
54	62.6	52.8	79.2

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.774 min Scan# 1307

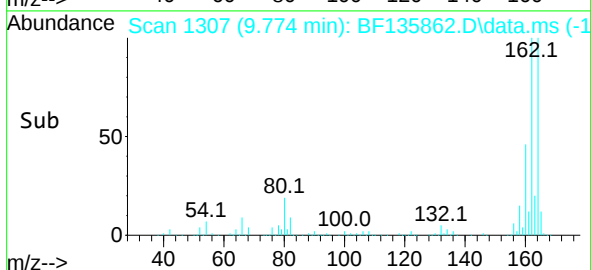
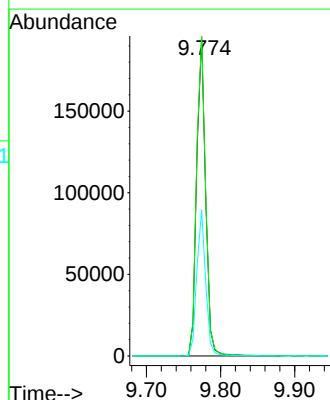
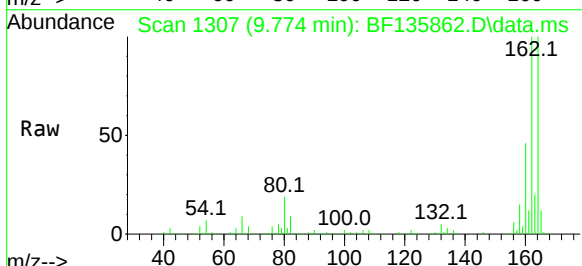
Delta R.T. -0.012 min

Lab File: BF135862.D

Acq: 18 Oct 2023 22:58

Tgt Ion:164 Resp: 163749

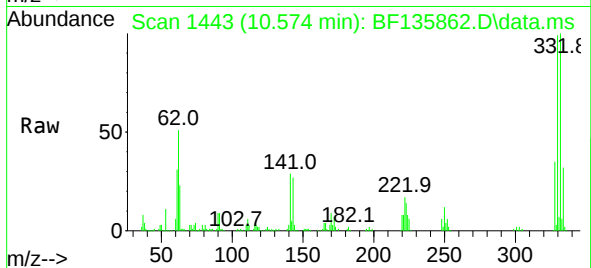
Ion	Ratio	Lower	Upper
164	100		
162	100.3	80.8	121.2
160	45.8	36.6	54.8





#42
2,4,6-Tribromophenol
Concen: 105.482 ng
RT: 10.574 min Scan# 1444
Delta R.T. -0.012 min
Lab File: BF135862.D
Acq: 18 Oct 2023 22:58

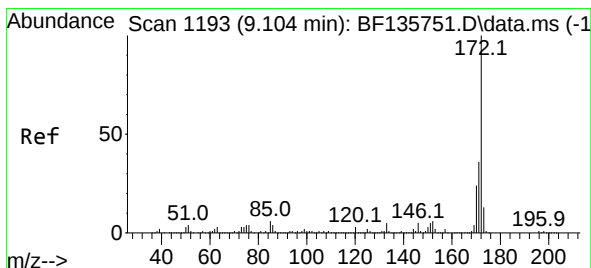
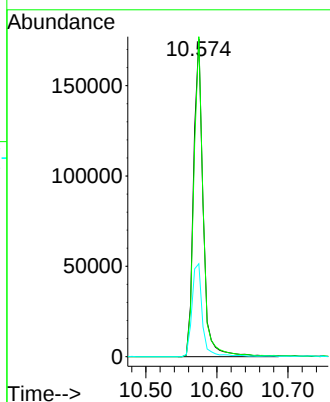
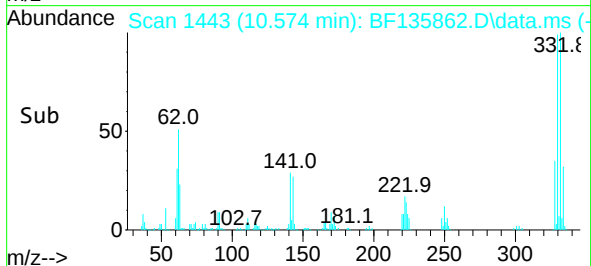
Instrument :
BNA_F
ClientSampleId :
VNJ-228



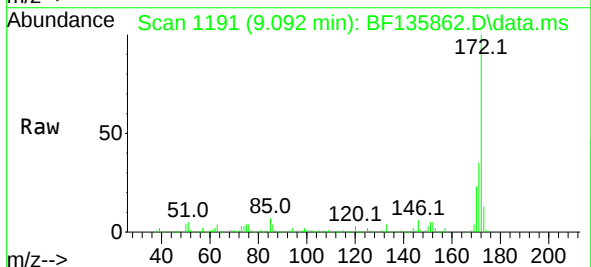
Tgt Ion:330 Resp: 165749
Ion Ratio Lower Upper
330 100
332 97.4 75.0 112.4
141 32.0 25.8 38.6

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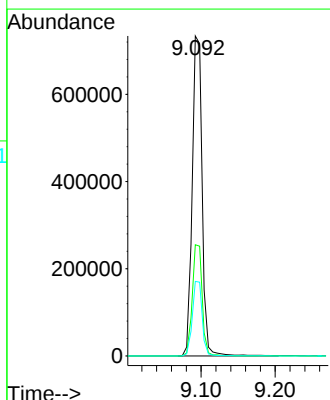
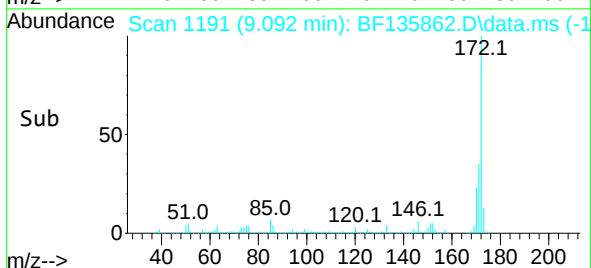
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023

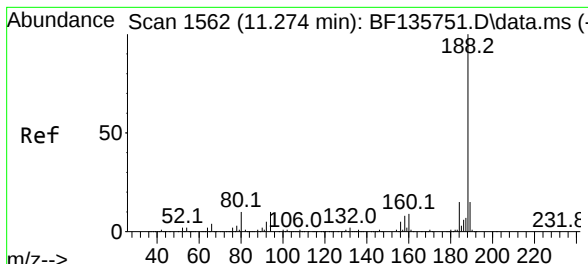


#45
2-Fluorobiphenyl
Concen: 65.383 ng
RT: 9.092 min Scan# 1191
Delta R.T. -0.012 min
Lab File: BF135862.D
Acq: 18 Oct 2023 22:58



Tgt Ion:172 Resp: 684766
Ion Ratio Lower Upper
172 100
171 34.7 28.4 42.6
170 23.3 18.8 28.2





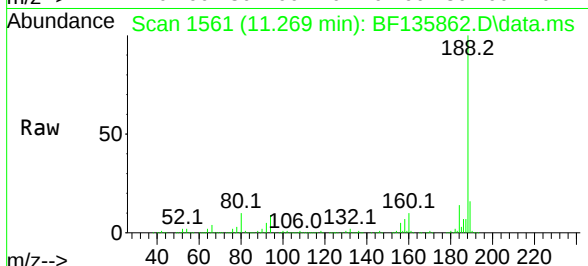
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.269 min Scan# 1561
Delta R.T. -0.012 min
Lab File: BF135862.D
Acq: 18 Oct 2023 22:58

Instrument :

BNA_F

ClientSampleId :

VNJ-228



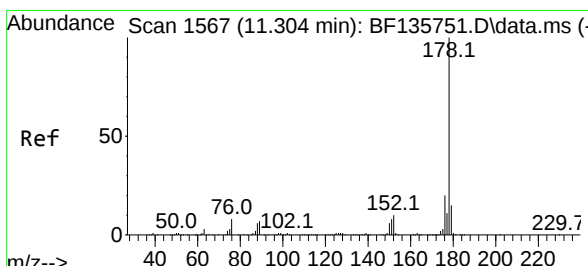
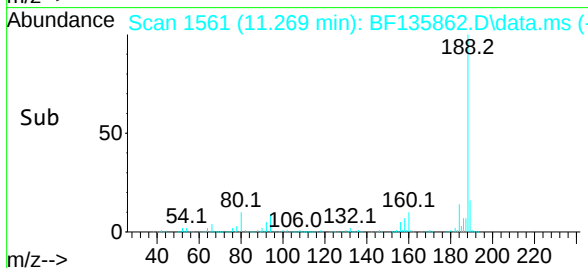
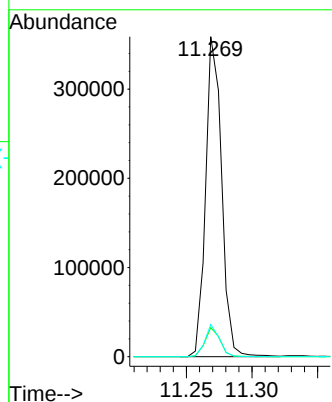
Tgt Ion:188 Resp: 30502
Ion Ratio Lower Upper
188 100
94 9.1 8.0 12.0
80 10.0 8.3 12.5

Manual Integrations

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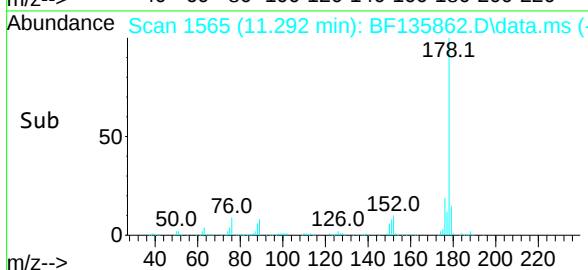
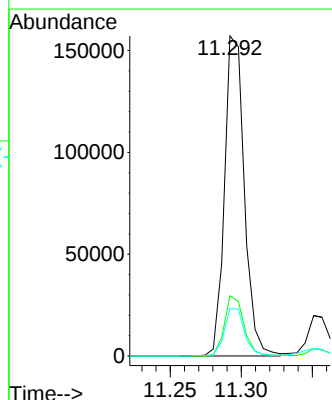
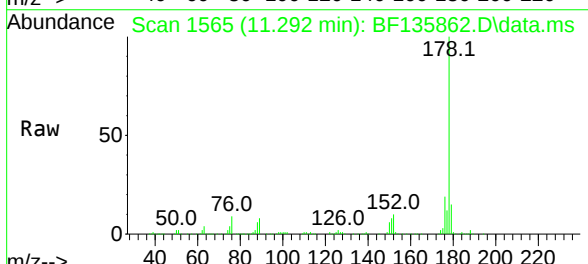
Reviewed By :Yogesh Patel 10/19/2023

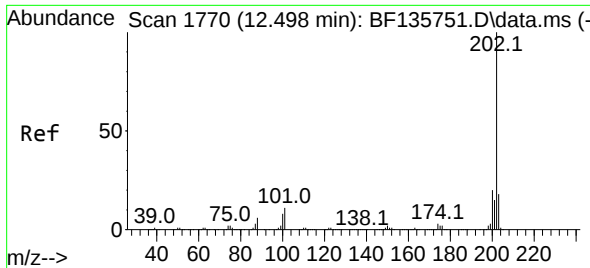
Supervised By :mohammad ahmed 10/20/2023



#71
Phenanthrene
Concen: 10.428 ng
RT: 11.292 min Scan# 1565
Delta R.T. -0.012 min
Lab File: BF135862.D
Acq: 18 Oct 2023 22:58

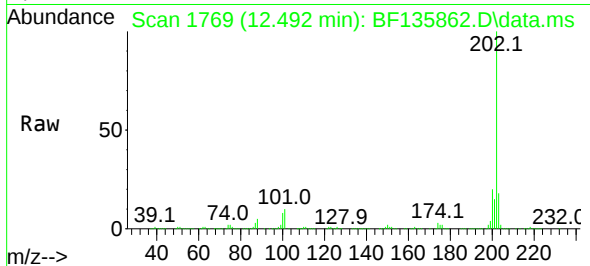
Tgt Ion:178 Resp: 152381
Ion Ratio Lower Upper
178 100
176 18.8 16.0 24.0
179 14.7 12.2 18.4





#75
Fluoranthene
Concen: 20.058 ng
RT: 12.492 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF135862.D
Acq: 18 Oct 2023 22:58

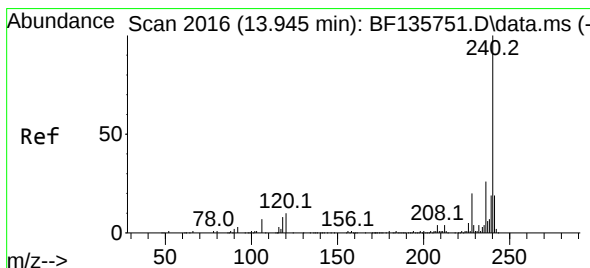
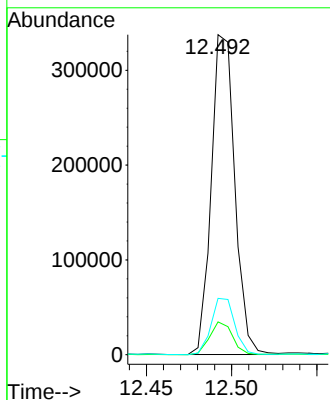
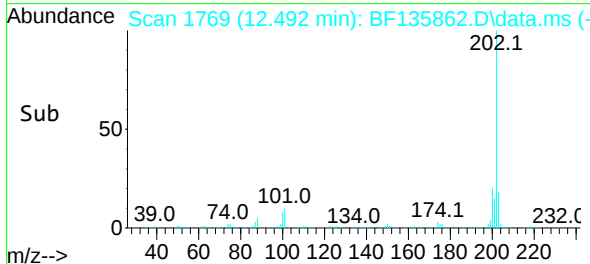
Instrument :
BNA_F
ClientSampleId :
VNJ-228



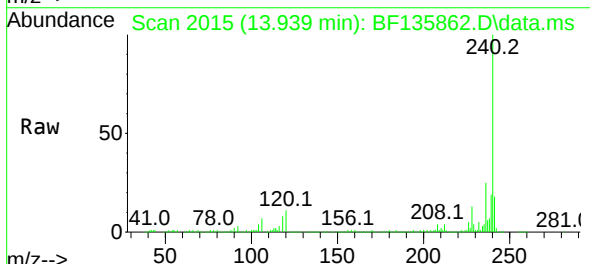
Tgt Ion:202 Resp: 325280
Ion Ratio Lower Upper
202 100
101 10.2 0.0 31.5
203 17.6 0.0 38.3

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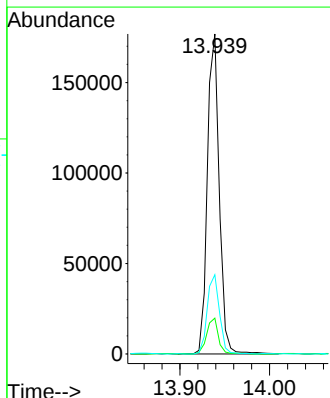
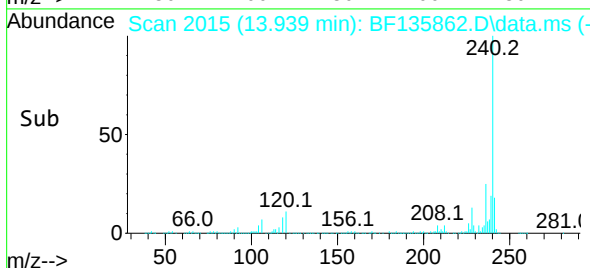
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023

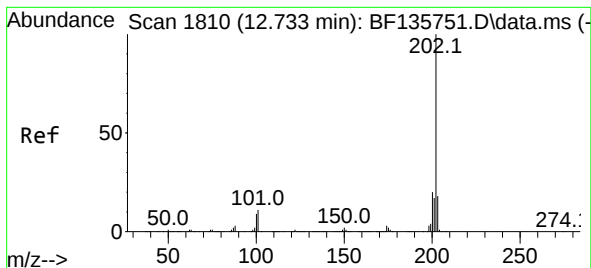


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2015
Delta R.T. -0.012 min
Lab File: BF135862.D
Acq: 18 Oct 2023 22:58



Tgt Ion:240 Resp: 162587
Ion Ratio Lower Upper
240 100
120 11.2 8.2 12.2
236 24.7 21.2 31.8





#78

Pyrene

Concen: 20.043 ng

RT: 12.727 min Scan# 1809

Delta R.T. -0.006 min

Lab File: BF135862.D

Acq: 18 Oct 2023 22:58

Instrument :

BNA_F

ClientSampleId :

VNJ-228

Tgt Ion:202 Resp: 258960

Ion Ratio Lower Upper

202 100

200 20.0 16.1 24.1

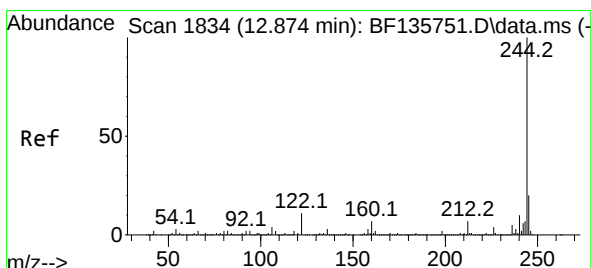
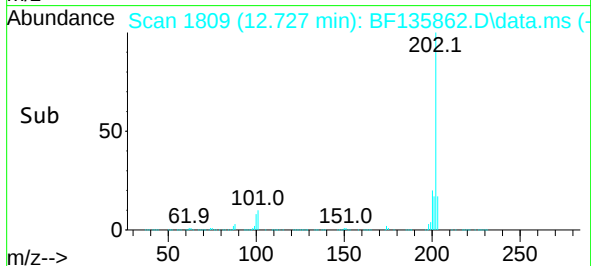
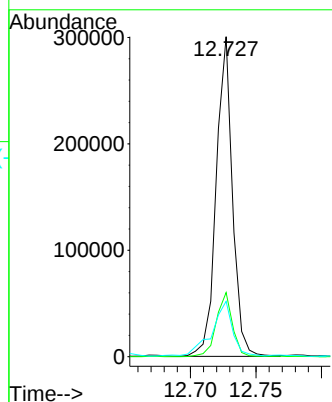
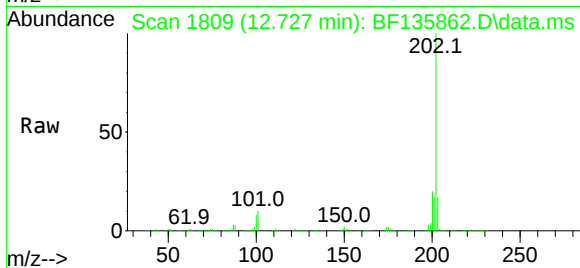
203 17.3 14.2 21.2

Manual Integrations

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Supervised By :mohammad ahmed 10/20/2023



#79

Terphenyl-d14

Concen: 73.773 ng

RT: 12.868 min Scan# 1833

Delta R.T. -0.012 min

Lab File: BF135862.D

Acq: 18 Oct 2023 22:58

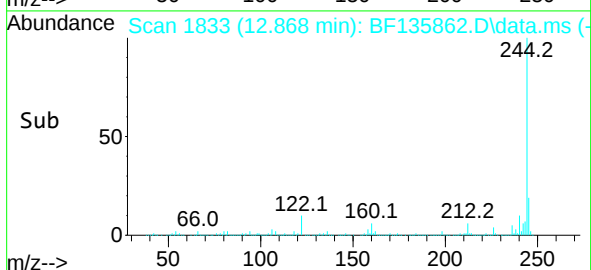
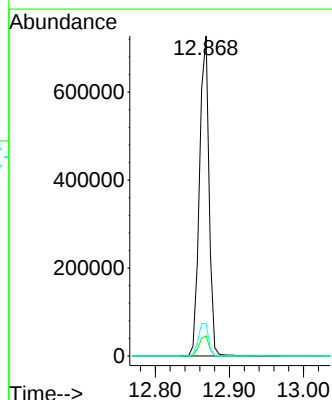
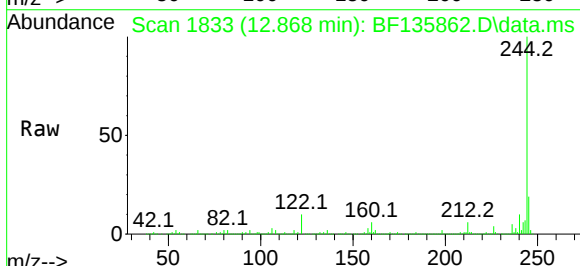
Tgt Ion:244 Resp: 647680

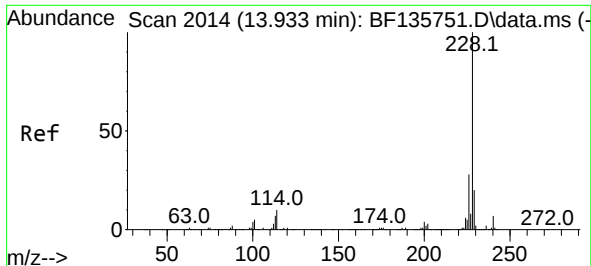
Ion Ratio Lower Upper

244 100

212 6.3 5.6 8.4

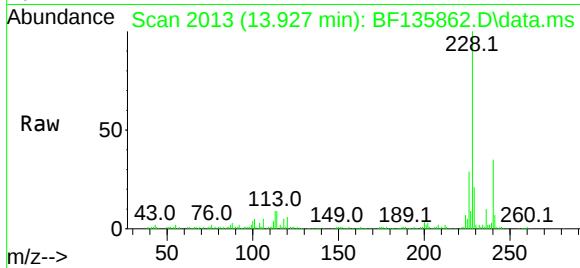
122 10.1 9.0 13.6





#81
Benzo(a)anthracene
Concen: 7.933 ng
RT: 13.927 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF135862.D
Acq: 18 Oct 2023 22:58

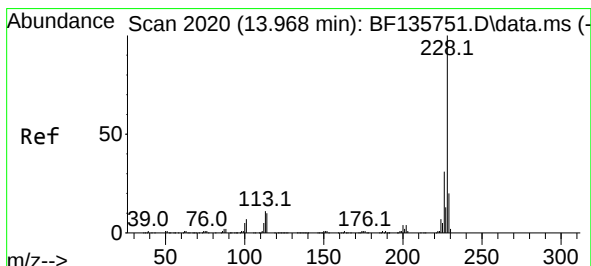
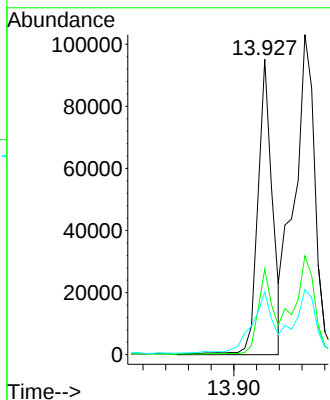
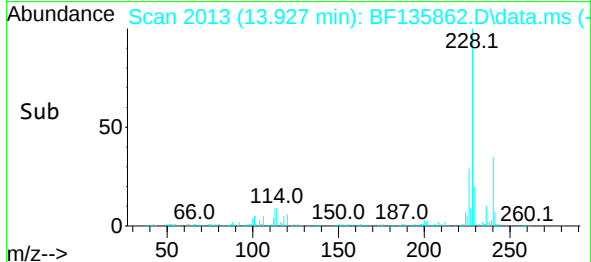
Instrument :
BNA_F
ClientSampleId :
VNJ-228



Tgt Ion:228 Resp: 8471
Ion Ratio Lower Upper
228 100
226 29.0 22.2 33.2
229 21.2 16.1 24.1

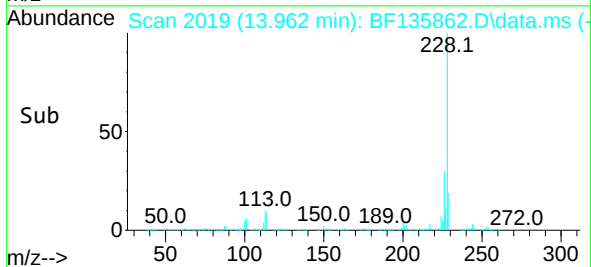
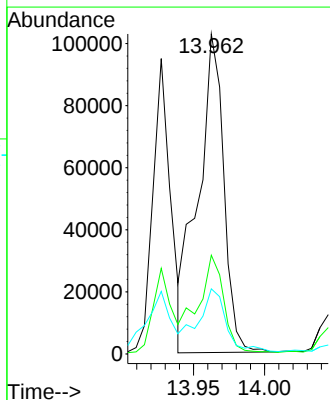
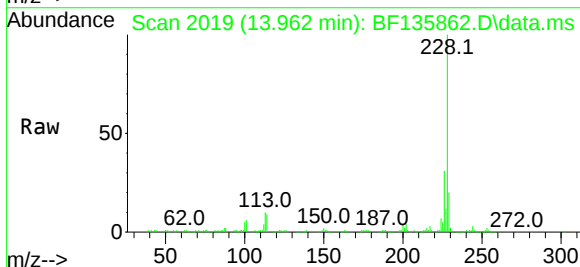
Manual Integrations
APPROVED

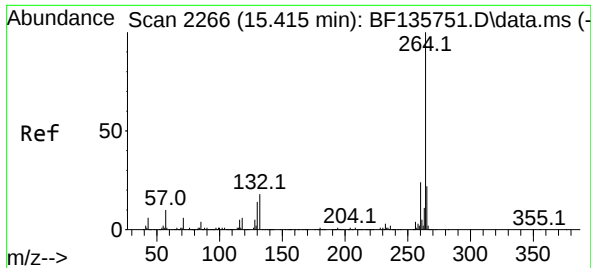
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023



#83
Chrysene
Concen: 12.546 ng
RT: 13.962 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF135862.D
Acq: 18 Oct 2023 22:58

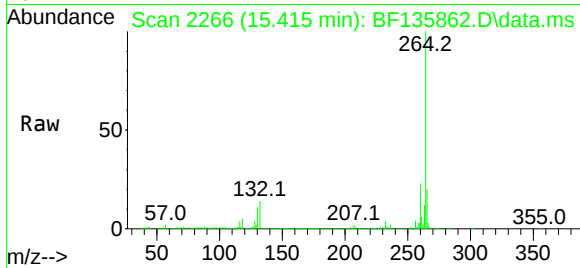
Tgt Ion:228 Resp: 129777
Ion Ratio Lower Upper
228 100
226 30.9 24.4 36.6
229 20.4 15.7 23.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.415 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF135862.D
Acq: 18 Oct 2023 22:58

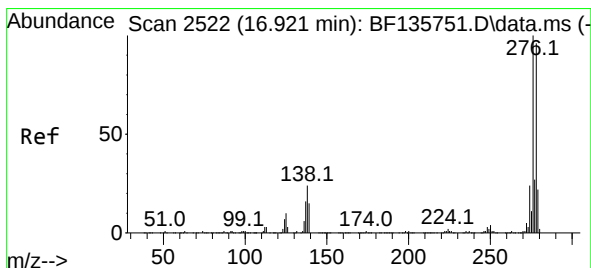
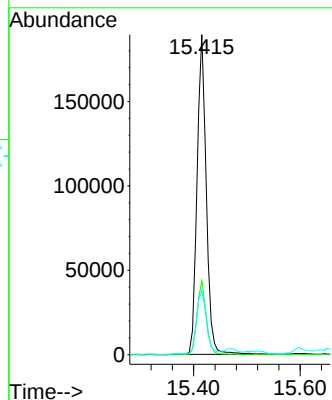
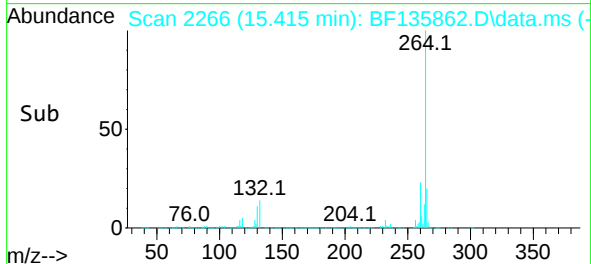
Instrument :
BNA_F
ClientSampleId :
VNJ-228



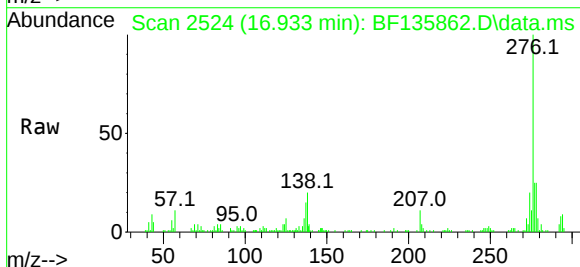
Tgt Ion:264 Resp: 227000
Ion Ratio Lower Upper
264 100
260 23.2 19.2 28.8
265 20.0 17.4 26.2

Manual Integrations
APPROVED

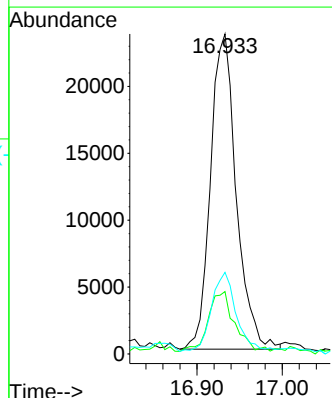
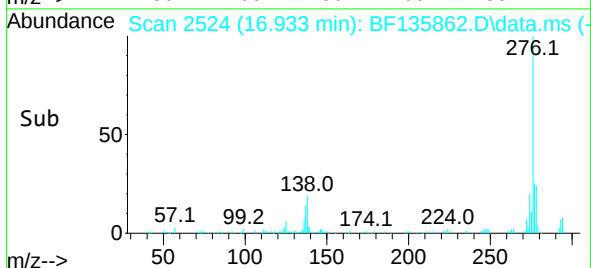
Reviewed By :Yogesh Patel 10/19/2023
Supervised By :mohammad ahmed 10/20/2023

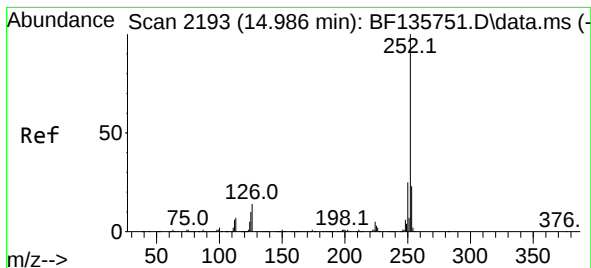


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.011 ng
RT: 16.933 min Scan# 2524
Delta R.T. -0.000 min
Lab File: BF135862.D
Acq: 18 Oct 2023 22:58



Tgt Ion:276 Resp: 49607
Ion Ratio Lower Upper
276 100
138 19.4 19.8 29.6#
277 23.1 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 14.767 ng m

RT: 14.986 min Scan# 2193

Delta R.T. -0.006 min

Lab File: BF135862.D

Acq: 18 Oct 2023 22:58

Instrument :

BNA_F

ClientSampleId :

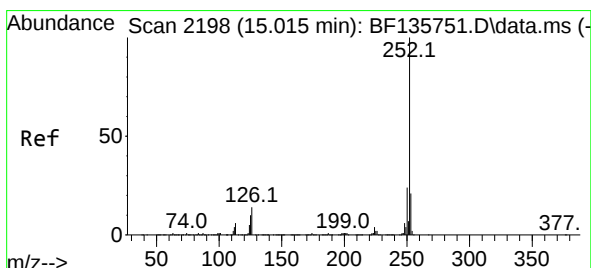
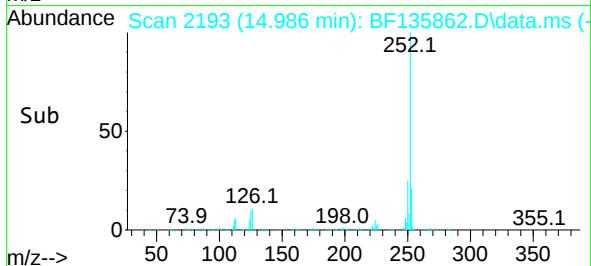
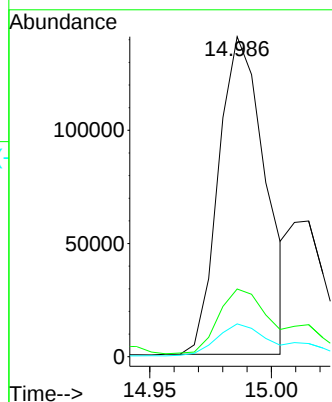
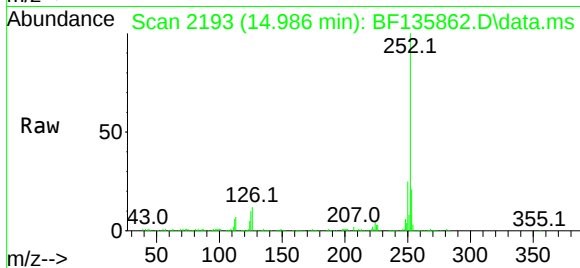
VNJ-228

Tgt Ion:252 Resp: 187614
 Ion Ratio Lower Upper
 252 100
 253 21.1 18.2 27.2
 125 10.2 8.2 12.2

Manual Integrations

APPROVED

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



#89

Benzo(k)fluoranthene

Concen: 4.963 ng m

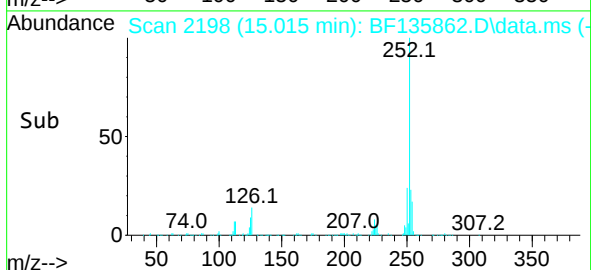
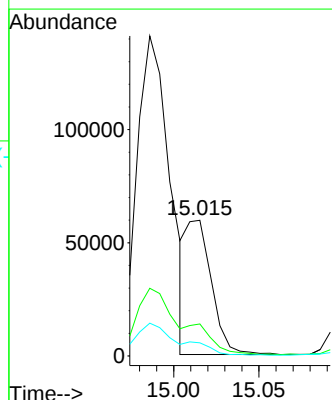
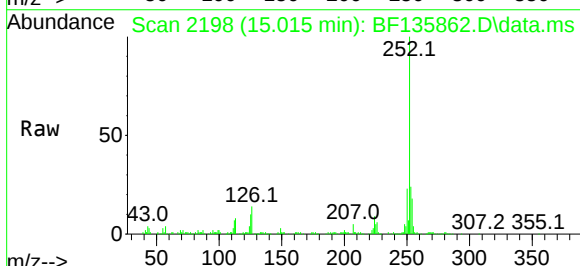
RT: 15.015 min Scan# 2198

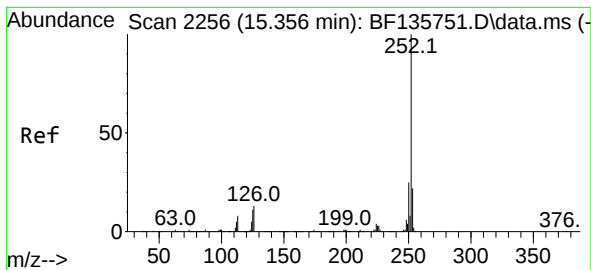
Delta R.T. -0.006 min

Lab File: BF135862.D

Acq: 18 Oct 2023 22:58

Tgt Ion:252 Resp: 61218
 Ion Ratio Lower Upper
 252 100
 253 23.6 17.4 26.0
 125 9.7 8.3 12.5





#90

Benzo(a)pyrene

Concen: 8.280 ng

RT: 15.357 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF135862.D

Acq: 18 Oct 2023 22:58

Instrument :

BNA_F

ClientSampleId :

VNJ-228

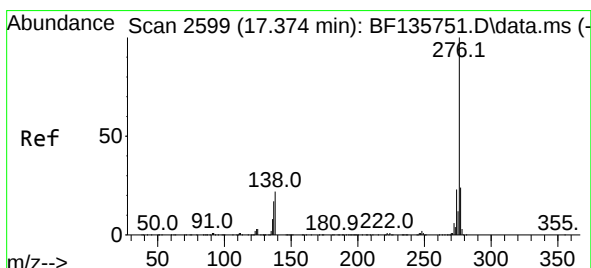
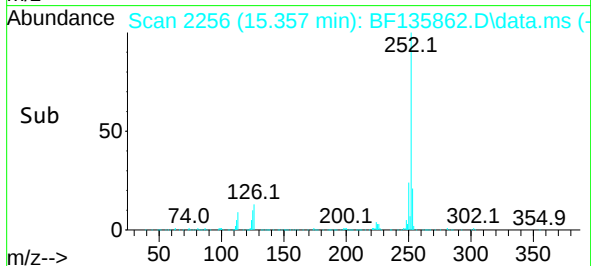
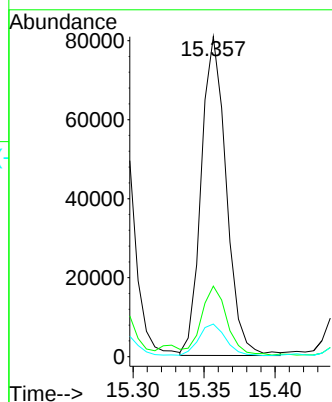
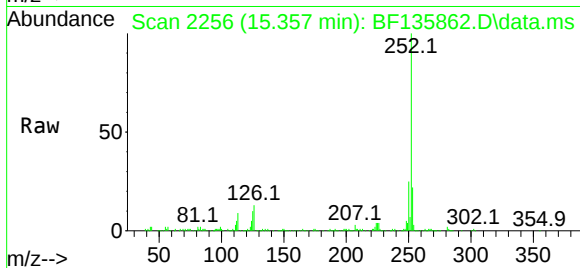
Tgt Ion:	252	Resp:	9892
Ion Ratio	Lower	Upper	
252	100		
253	22.1	17.4	26.2
125	10.2	8.8	13.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/19/2023

Supervised By :mohammad ahmed 10/20/2023



#92

Benzo(g,h,i)perylene

Concen: 4.360 ng

RT: 17.386 min Scan# 2601

Delta R.T. -0.000 min

Lab File: BF135862.D

Acq: 18 Oct 2023 22:58

Tgt Ion:	276	Resp:	45418
Ion Ratio	Lower	Upper	
276	100		
277	29.6	19.4	29.2
138	21.4	17.3	25.9

