

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062424\
 Data File : BF138320.D
 Acq On : 24 Jun 2024 20:12
 Operator : CG\JU
 Sample : P3009-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-204

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 06/25/2024
 Supervised By :mohammad ahmed 06/26/2024

Quant Time: Jun 25 01:17:54 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 13 01:52:47 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	197945	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	683446	20.000	ng	# 0.00
39) Acenaphthene-d10	9.922	164	321090	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	557044	20.000	ng	0.00
76) Chrysene-d12	14.045	240	396520	20.000	ng	0.00
86) Perylene-d12	15.527	264	337469	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1054145	89.085	ng	0.00
7) Phenol-d6	6.516	99	1234582	82.280	ng	0.00
23) Nitrobenzene-d5	7.445	82	718701	61.219	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	309027	96.676	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1350760	66.894	ng	-0.01
79) Terphenyl-d14	12.992	244	1575262	62.921	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.433	178	71946	2.612	ng	96
75) Fluoranthene	12.621	202	269069	9.578	ng	98
78) Pyrene	12.851	202	237276	6.937	ng	97
81) Benzo(a)anthracene	14.039	228	121359	4.771	ng	98
83) Chrysene	14.074	228	147582	6.086	ng	98
87) Indeno(1,2,3-cd)pyrene	17.003	276	62674	2.849	ng	94
88) Benzo(b)fluoranthene	15.092	252	176472m	8.867	ng	
89) Benzo(k)fluoranthene	15.115	252	56370m	2.890	ng	
90) Benzo(a)pyrene	15.462	252	93087	5.445	ng	# 95
92) Benzo(g,h,i)perylene	17.450	276	55111	2.950	ng	93

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

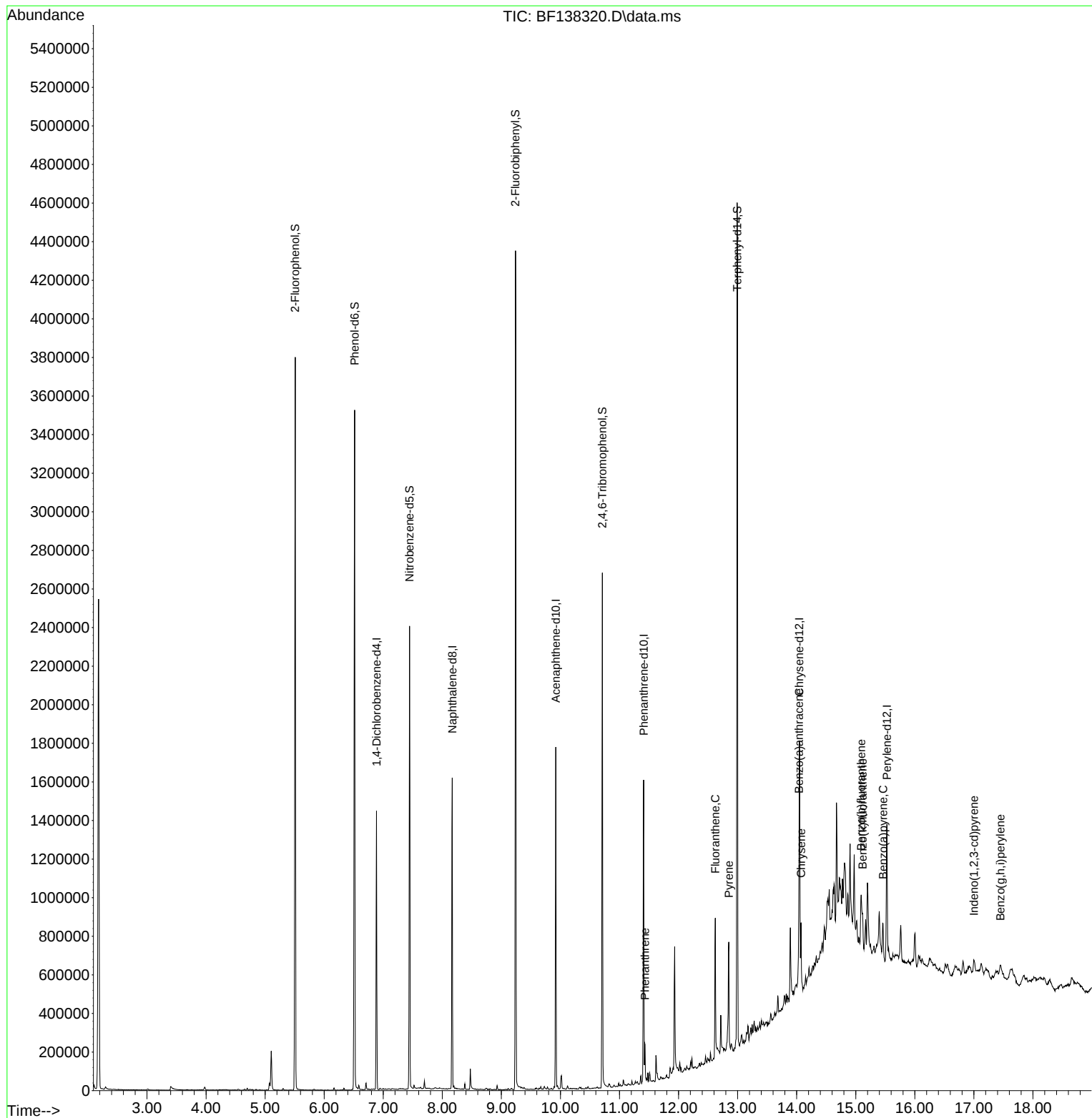
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062424\
Data File : BF138320.D
Acq On : 24 Jun 2024 20:12
Operator : CG\JU
Sample : P3009-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

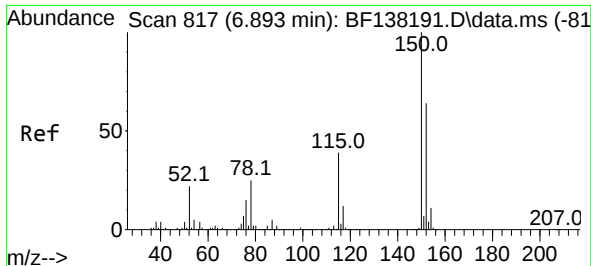
Instrument :
BNA_F
ClientSampleId :
VNJ-204

Quant Time: Jun 25 01:17:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061224.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 13 01:52:47 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

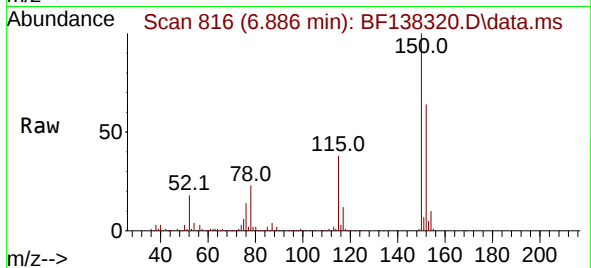
Reviewed By :Yogesh Patel 06/25/2024
Supervised By :mohammad ahmed 06/26/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 817
Delta R.T. -0.007 min
Lab File: BF138320.D
Acq: 24 Jun 2024 20:12

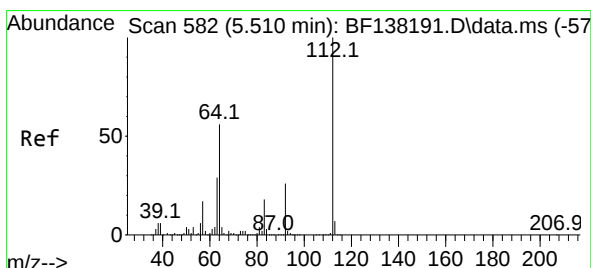
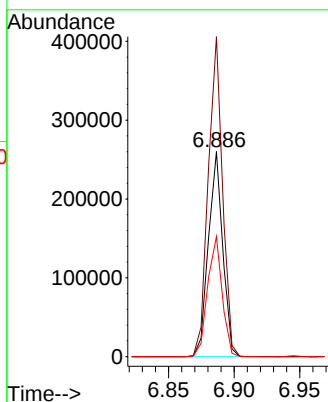
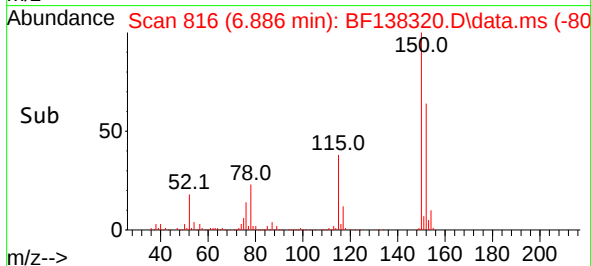
Instrument :
BNA_F
ClientSampleId :
VNJ-204



Tgt Ion:152 Resp: 197945
Ion Ratio Lower Upper
152 100
150 156.1 125.0 187.4
115 58.6 48.4 72.6

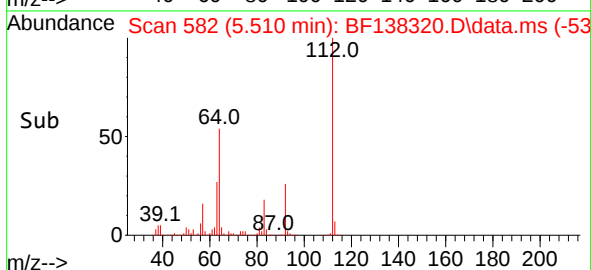
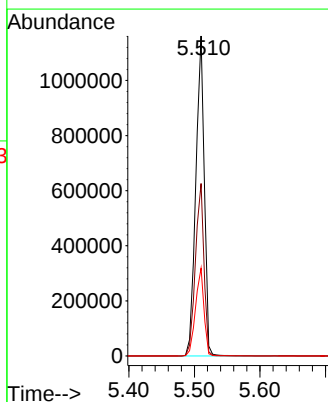
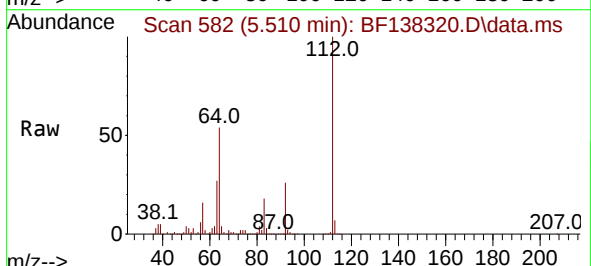
Manual Integrations
APPROVED

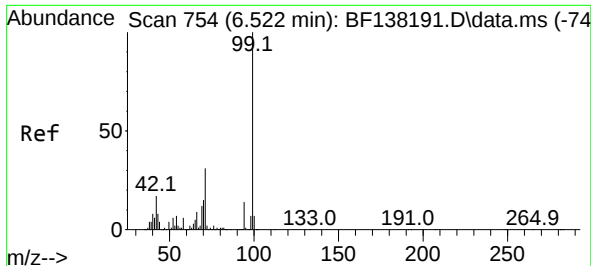
Reviewed By :Yogesh Patel 06/25/2024
Supervised By :mohammad ahmed 06/26/2024



#5
2-Fluorophenol
Concen: 89.085 ng
RT: 5.510 min Scan# 582
Delta R.T. -0.000 min
Lab File: BF138320.D
Acq: 24 Jun 2024 20:12

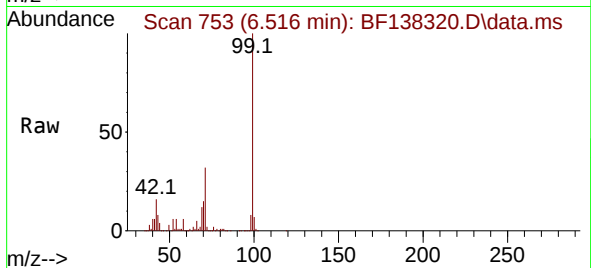
Tgt Ion:112 Resp: 1054145
Ion Ratio Lower Upper
112 100
64 53.9 45.2 67.8
63 27.5 22.9 34.3





#7
Phenol-d6
Concen: 82.280 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF138320.D
Acq: 24 Jun 2024 20:12

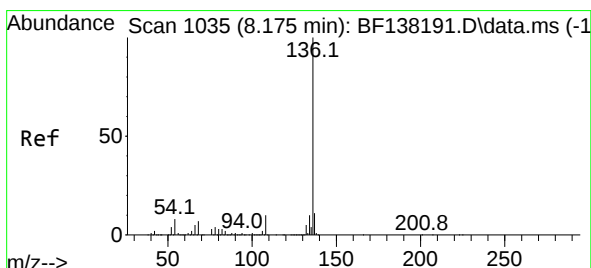
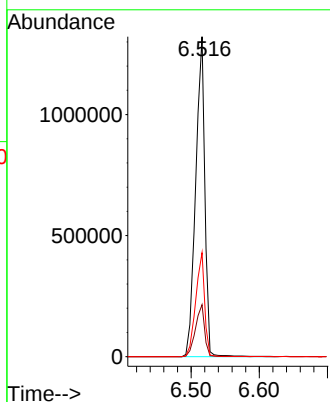
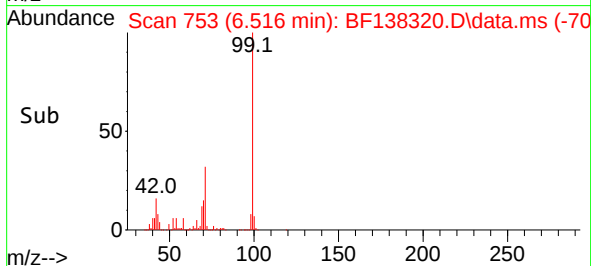
Instrument :
BNA_F
ClientSampleId :
VNJ-204



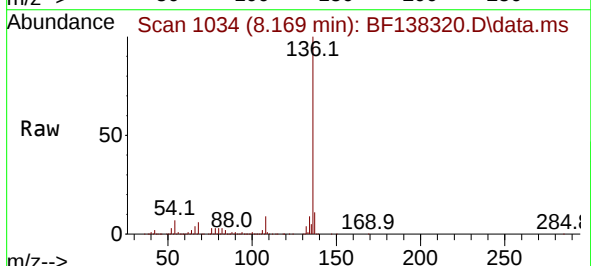
Tgt Ion: 99 Resp: 123458
Ion Ratio Lower Upper
99 100
42 16.3 13.7 20.5
71 32.5 25.0 37.6

Manual Integrations
APPROVED

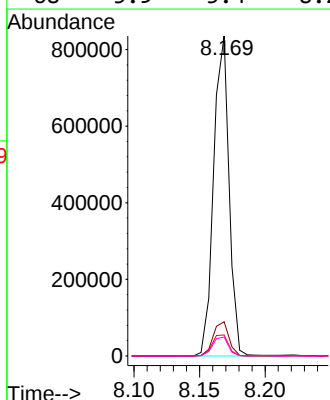
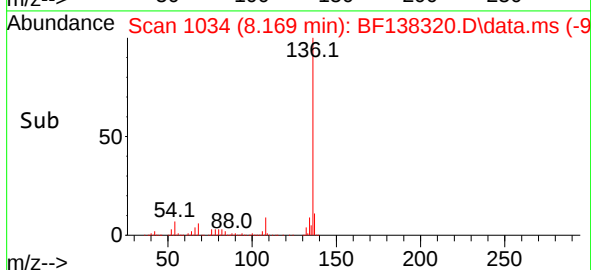
Reviewed By :Yogesh Patel 06/25/2024
Supervised By :mohammad ahmed 06/26/2024

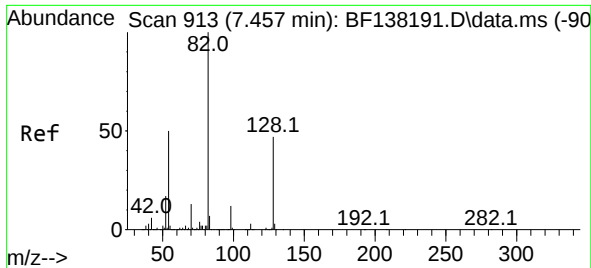


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF138320.D
Acq: 24 Jun 2024 20:12



Tgt Ion:136 Resp: 683446
Ion Ratio Lower Upper
136 100
137 10.7 9.1 13.7
54 6.6 6.6 10.0#
68 5.9 5.4 8.2





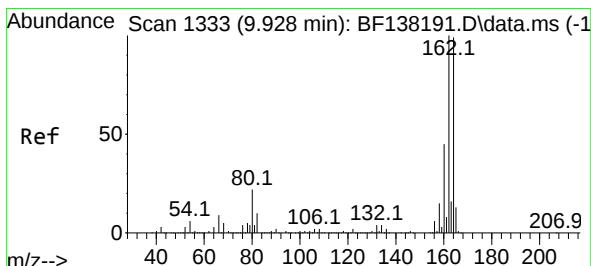
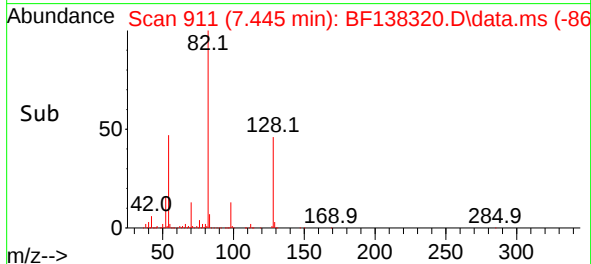
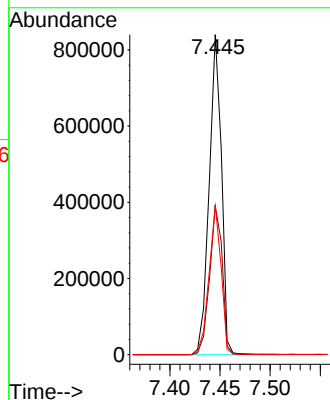
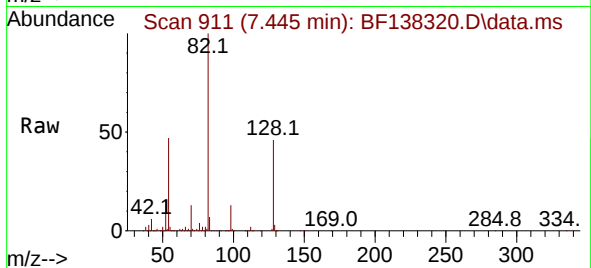
#23
Nitrobenzene-d5
Concen: 61.219 ng
RT: 7.445 min Scan# 911
Delta R.T. -0.012 min
Lab File: BF138320.D
Acq: 24 Jun 2024 20:12

Instrument :
BNA_F
ClientSampleId :
VNJ-204

Tgt Ion: 82 Resp: 71870
Ion Ratio Lower Upper
82 100
128 46.5 37.2 55.8
54 46.7 39.8 59.6

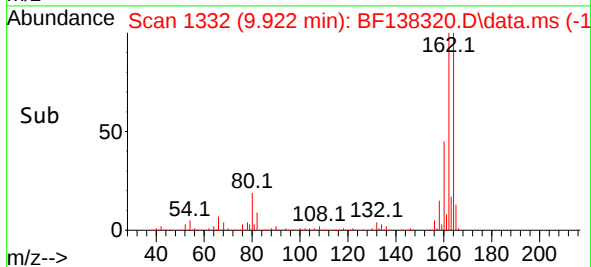
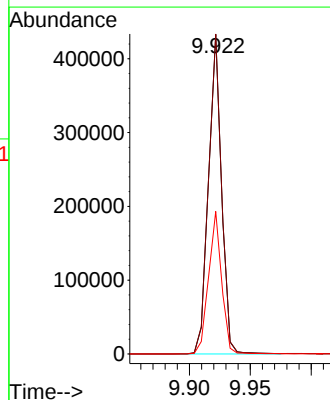
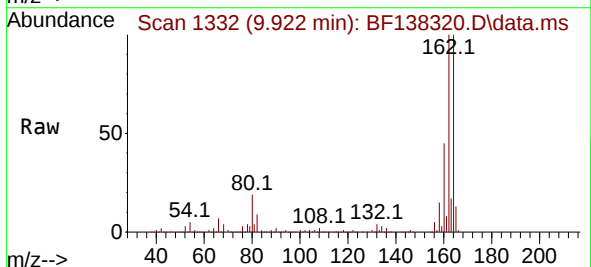
Manual Integrations
APPROVED

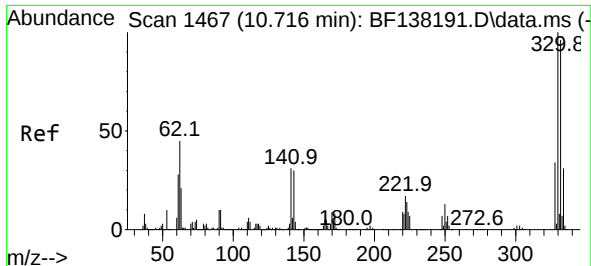
Reviewed By :Yogesh Patel 06/25/2024
Supervised By :mohammad ahmed 06/26/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1332
Delta R.T. -0.006 min
Lab File: BF138320.D
Acq: 24 Jun 2024 20:12

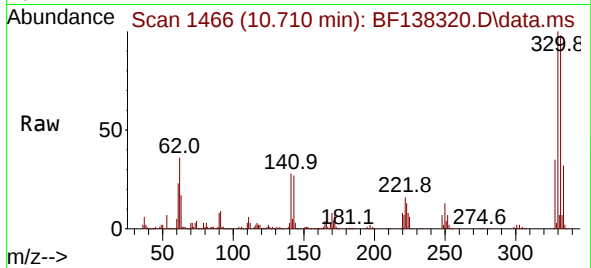
Tgt Ion:164 Resp: 321090
Ion Ratio Lower Upper
164 100
162 100.2 80.6 121.0
160 44.6 36.3 54.5





#42
 2,4,6-Tribromophenol
 Concen: 96.676 ng
 RT: 10.710 min Scan# 1467
 Delta R.T. -0.006 min
 Lab File: BF138320.D
 Acq: 24 Jun 2024 20:12

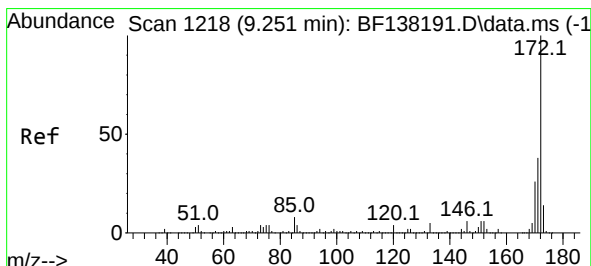
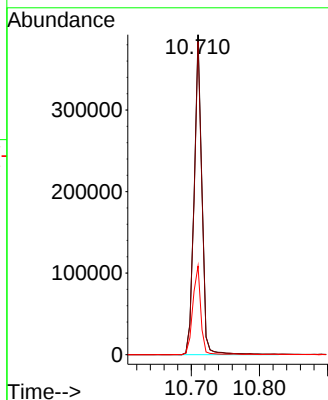
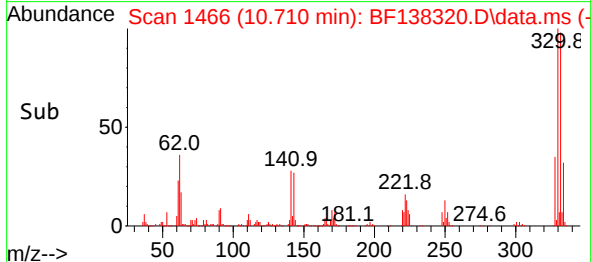
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-204



Tgt Ion:330 Resp: 309027
 Ion Ratio Lower Upper
 330 100
 332 97.8 76.6 115.0
 141 28.4 23.9 35.9

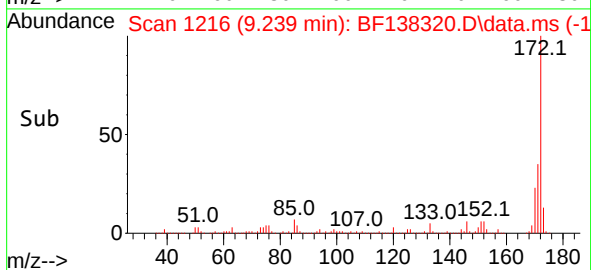
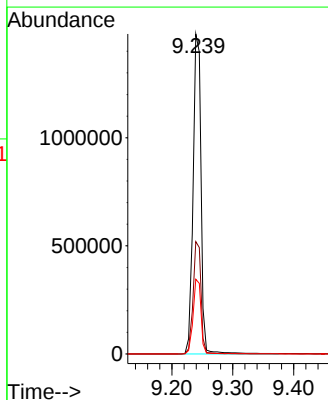
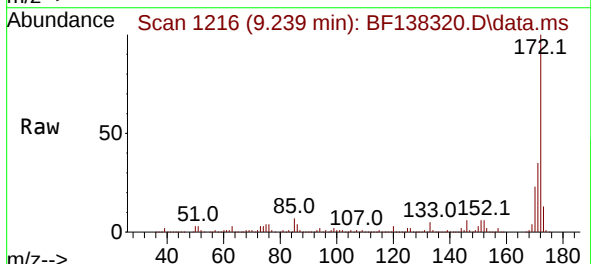
Manual Integrations
 APPROVED

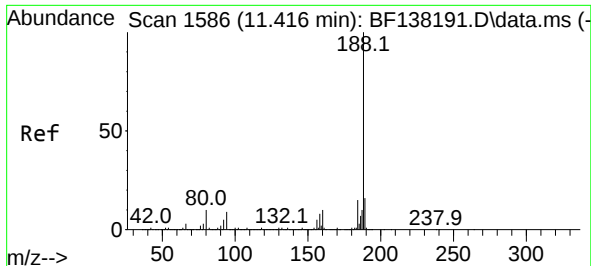
Reviewed By :Yogesh Patel 06/25/2024
 Supervised By :mohammad ahmed 06/26/2024



#45
 2-Fluorobiphenyl
 Concen: 66.894 ng
 RT: 9.239 min Scan# 1216
 Delta R.T. -0.012 min
 Lab File: BF138320.D
 Acq: 24 Jun 2024 20:12

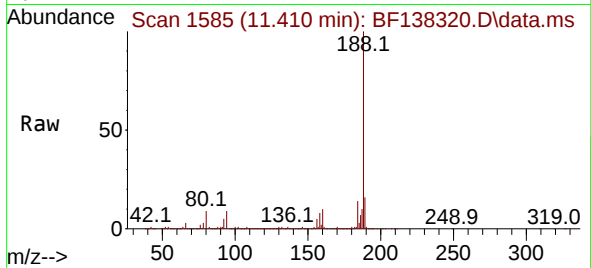
Tgt Ion:172 Resp: 1350760
 Ion Ratio Lower Upper
 172 100
 171 35.1 30.3 45.5
 170 23.4 20.6 30.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF138320.D
Acq: 24 Jun 2024 20:12

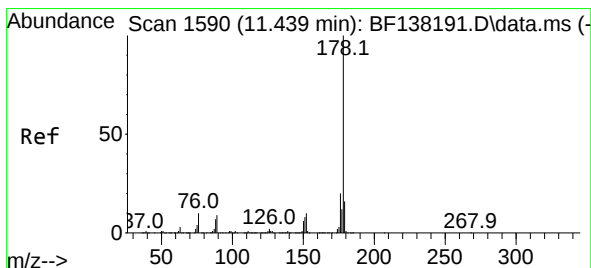
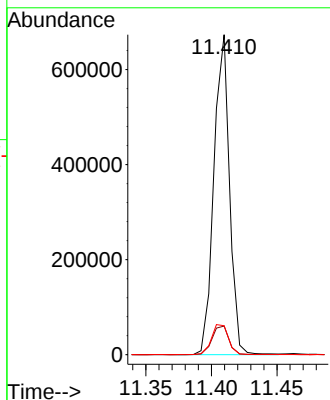
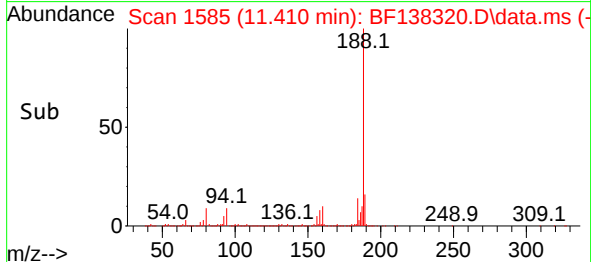
Instrument :
BNA_F
ClientSampleId :
VNJ-204



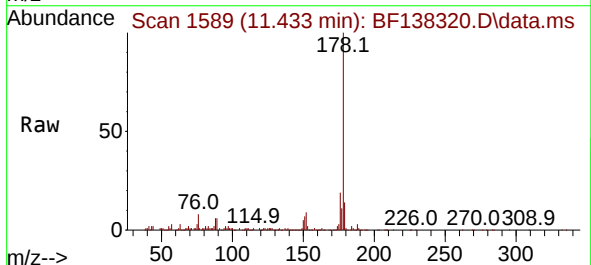
Tgt Ion:188 Resp: 557044
Ion Ratio Lower Upper
188 100
94 8.9 7.6 11.4
80 9.1 8.1 12.1

Manual Integrations
APPROVED

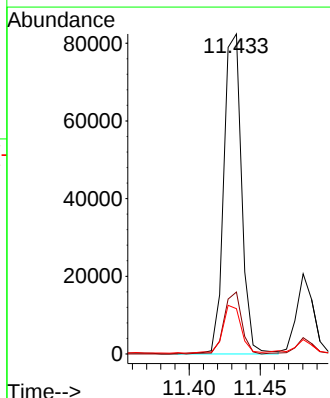
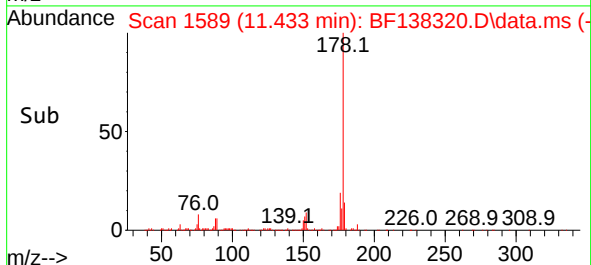
Reviewed By :Yogesh Patel 06/25/2024
Supervised By :mohammad ahmed 06/26/2024

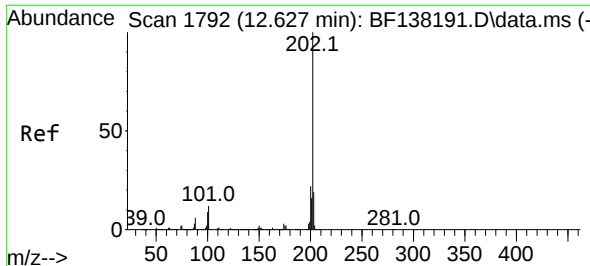


#71
Phenanthrene
Concen: 2.612 ng
RT: 11.433 min Scan# 1589
Delta R.T. -0.006 min
Lab File: BF138320.D
Acq: 24 Jun 2024 20:12



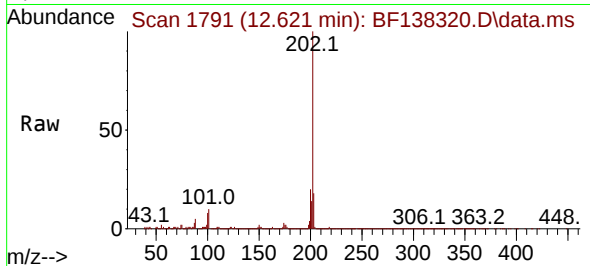
Tgt Ion:178 Resp: 71946
Ion Ratio Lower Upper
178 100
176 19.4 16.4 24.6
179 14.2 13.1 19.7





#75
Fluoranthene
Concen: 9.578 ng
RT: 12.621 min Scan# 1792
Delta R.T. -0.006 min
Lab File: BF138320.D
Acq: 24 Jun 2024 20:12

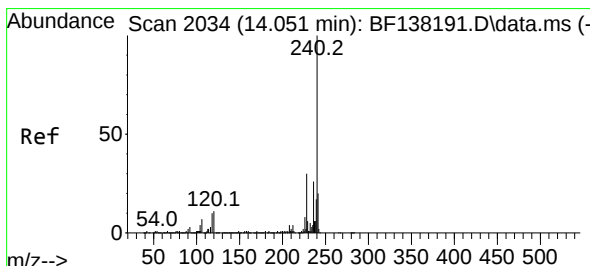
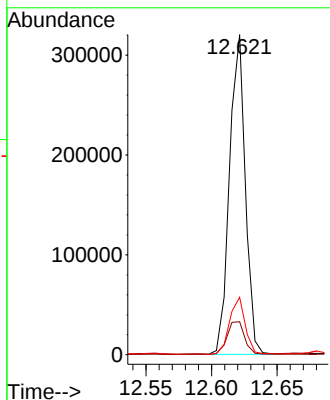
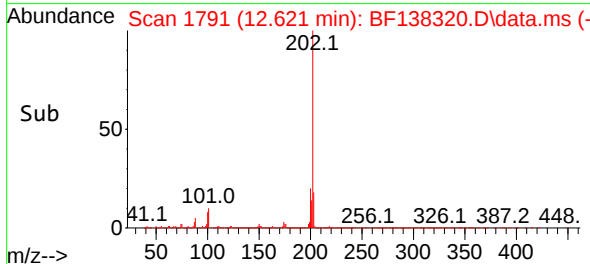
Instrument :
BNA_F
ClientSampleId :
VNJ-204



Tgt Ion:202 Resp: 269069
Ion Ratio Lower Upper
202 100
101 10.3 0.0 31.8
203 18.0 0.0 38.6

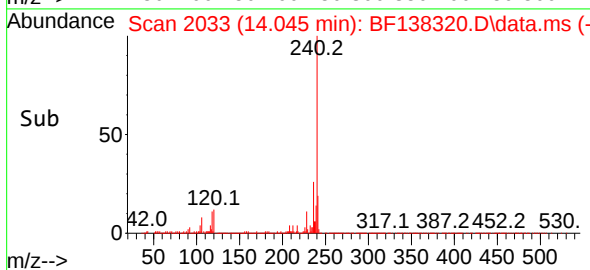
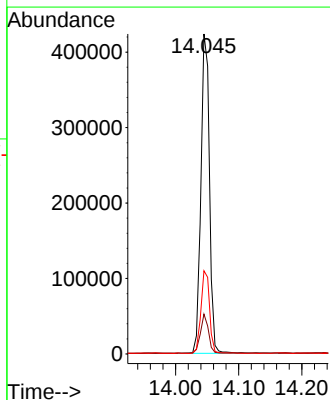
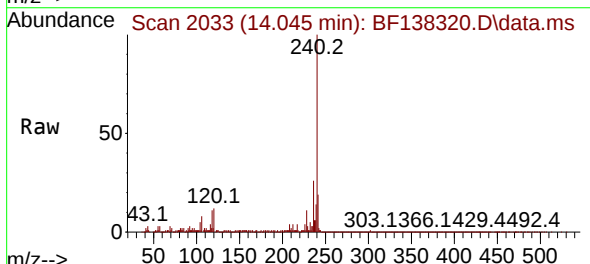
Manual Integrations
APPROVED

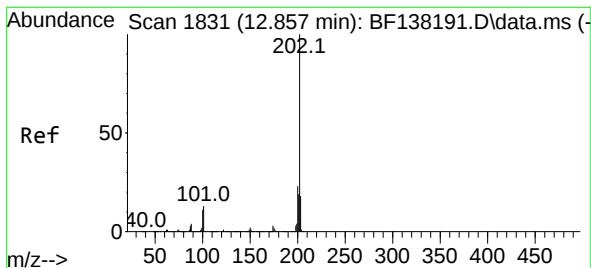
Reviewed By :Yogesh Patel 06/25/2024
Supervised By :mohammad ahmed 06/26/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2033
Delta R.T. -0.006 min
Lab File: BF138320.D
Acq: 24 Jun 2024 20:12

Tgt Ion:240 Resp: 396520
Ion Ratio Lower Upper
240 100
120 12.5 9.2 13.8
236 26.0 21.0 31.6





#78

Pyrene

Concen: 6.937 ng

RT: 12.851 min Scan# 1830

Delta R.T. -0.006 min

Lab File: BF138320.D

Acq: 24 Jun 2024 20:12

Instrument :

BNA_F

ClientSampleId :

VNJ-204

Tgt Ion:202 Resp: 237270

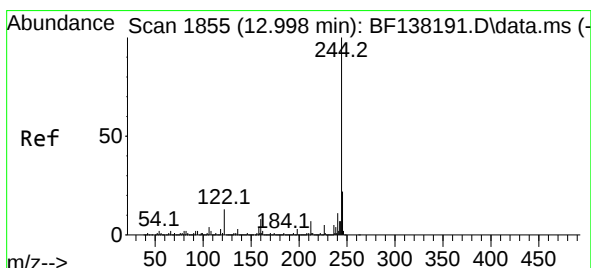
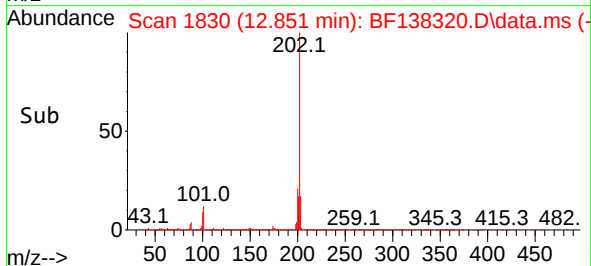
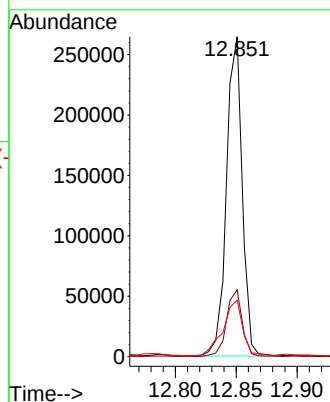
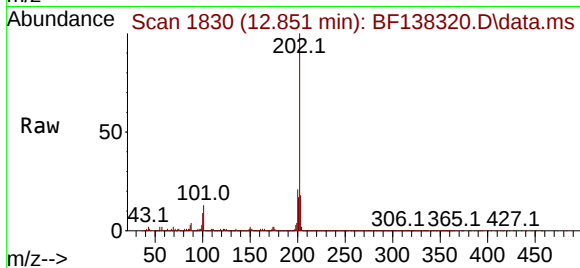
Ion	Ratio	Lower	Upper
202	100		
200	20.9	18.0	27.0
203	17.6	14.7	22.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/25/2024

Supervised By :mohammad ahmed 06/26/2024



#79

Terphenyl-d14

Concen: 62.921 ng

RT: 12.992 min Scan# 1854

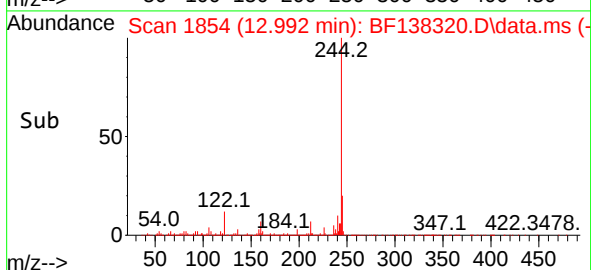
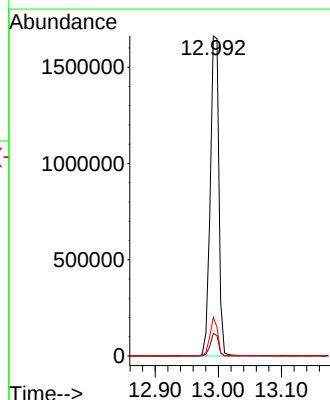
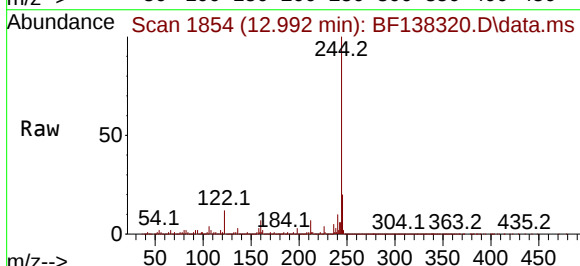
Delta R.T. -0.006 min

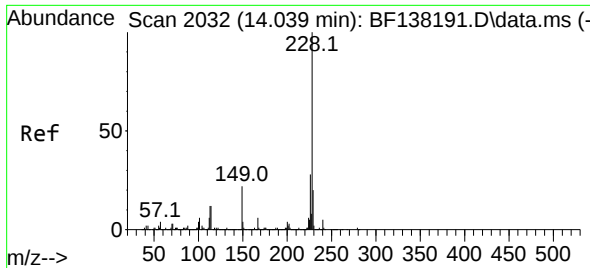
Lab File: BF138320.D

Acq: 24 Jun 2024 20:12

Tgt Ion:244 Resp: 1575262

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.9	8.9
122	12.0	10.6	15.8





#81
Benzo(a)anthracene
Concen: 4.771 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF138320.D
Acq: 24 Jun 2024 20:12

Instrument :

BNF_F

ClientSampleId :

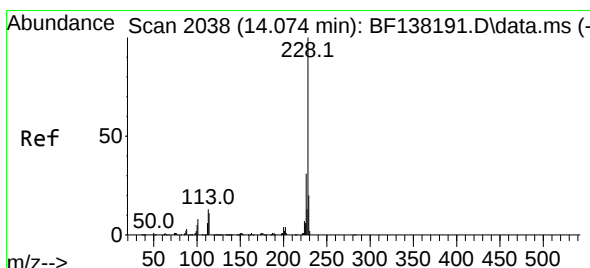
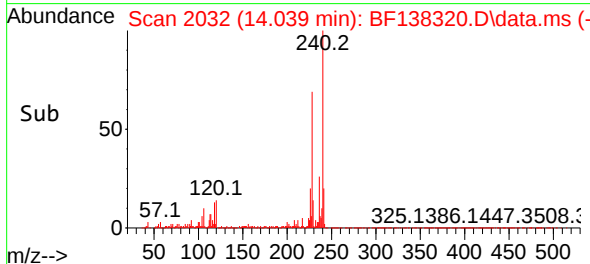
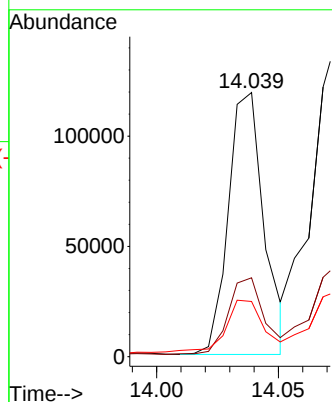
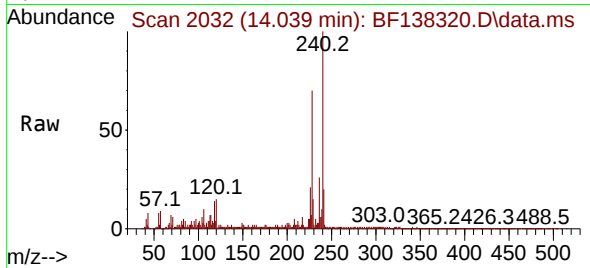
VNJ-204

Tgt Ion:228 Resp: 121359
Ion Ratio Lower Upper
228 100
226 29.9 22.5 33.7
229 20.9 16.3 24.5

Manual Integrations

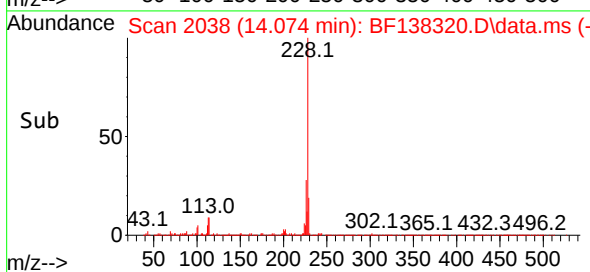
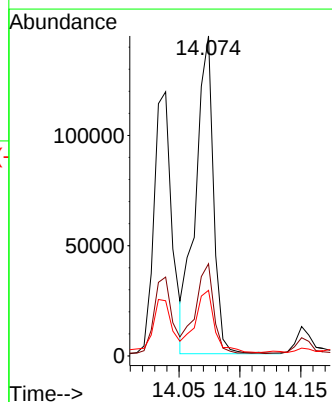
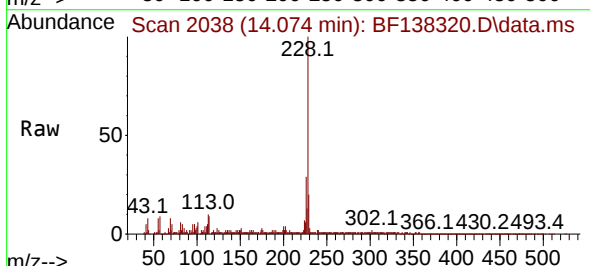
APPROVED

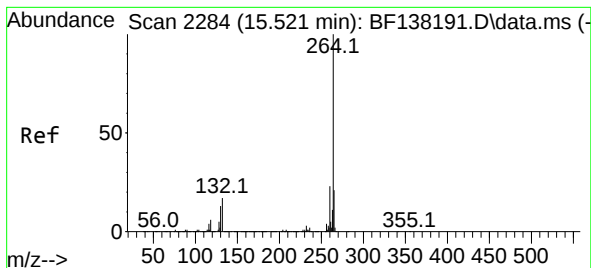
Reviewed By :Yogesh Patel 06/25/2024
Supervised By :mohammad ahmed 06/26/2024



#83
Chrysene
Concen: 6.086 ng
RT: 14.074 min Scan# 2038
Delta R.T. -0.000 min
Lab File: BF138320.D
Acq: 24 Jun 2024 20:12

Tgt Ion:228 Resp: 147582
Ion Ratio Lower Upper
228 100
226 28.8 24.5 36.7
229 20.5 16.3 24.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF138320.D

Acq: 24 Jun 2024 20:12

Instrument :

BNA_F

ClientSampleId :

VNJ-204

Tgt Ion:264 Resp: 337469

Ion Ratio Lower Upper

264 100

260 23.6 18.7 28.1

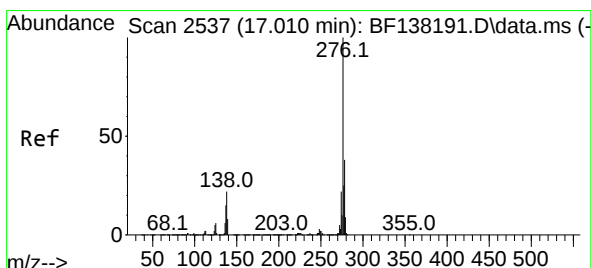
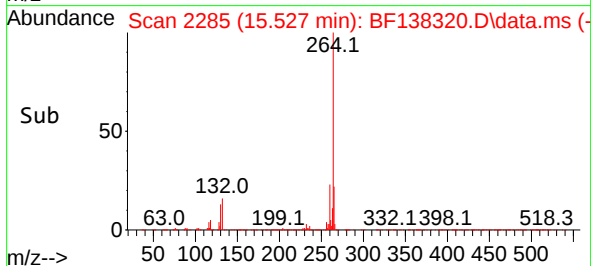
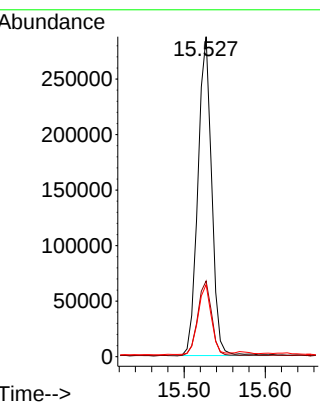
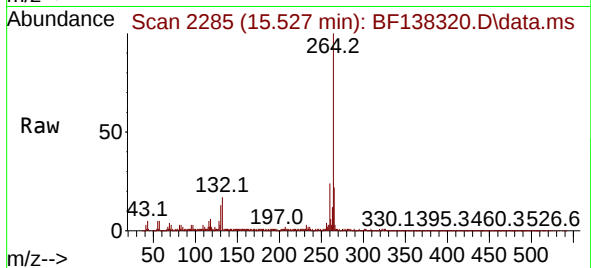
265 22.5 17.0 25.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/25/2024

Supervised By :mohammad ahmed 06/26/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.849 ng

RT: 17.003 min Scan# 2536

Delta R.T. -0.006 min

Lab File: BF138320.D

Acq: 24 Jun 2024 20:12

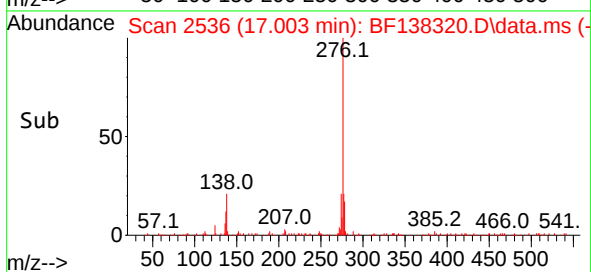
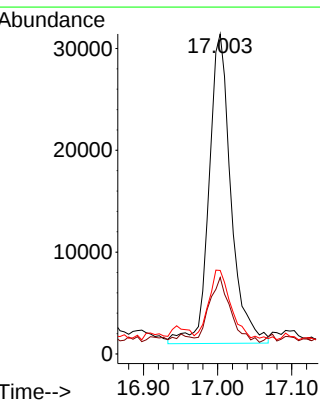
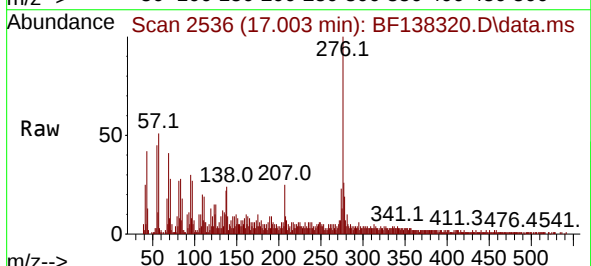
Tgt Ion:276 Resp: 62674

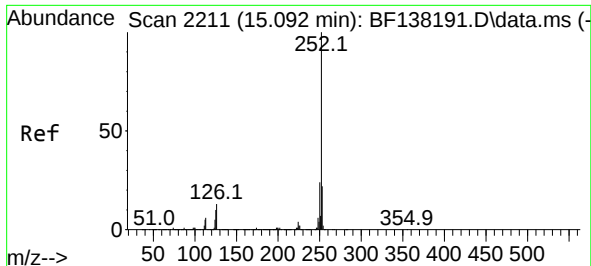
Ion Ratio Lower Upper

276 100

138 20.1 19.3 28.9

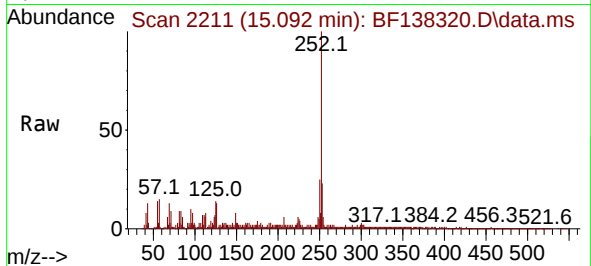
277 23.4 20.2 30.2





#88
Benzo(b)fluoranthene
Concen: 8.867 ng m
RT: 15.092 min Scan# 2115
Delta R.T. -0.000 min
Lab File: BF138320.D
Acq: 24 Jun 2024 20:12

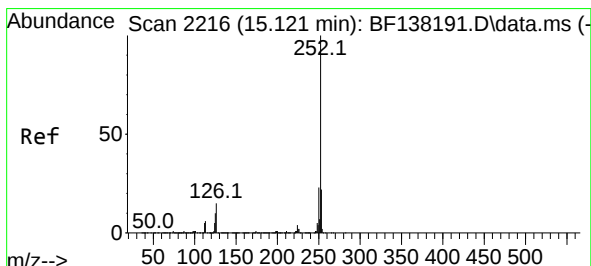
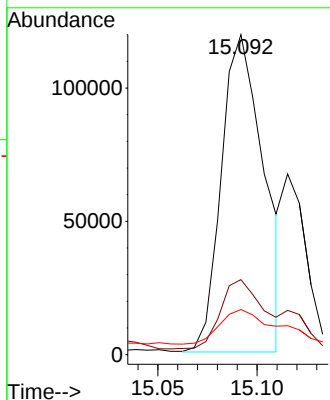
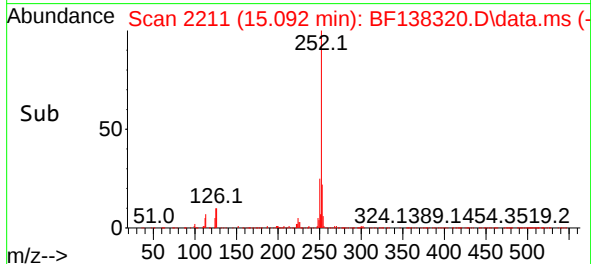
Instrument :
BNA_F
ClientSampleId :
VNJ-204



Tgt Ion:252 Resp: 176472
Ion Ratio Lower Upper
252 100
253 23.5 17.7 26.5
125 14.1 7.8 11.8

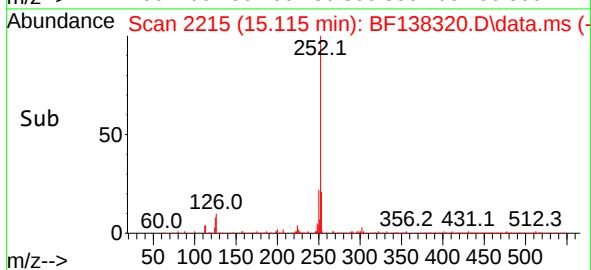
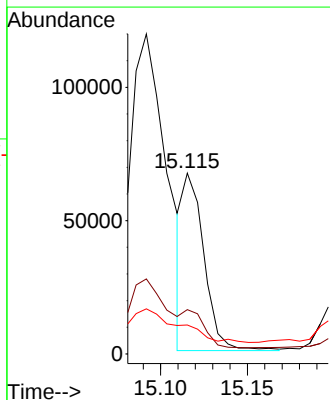
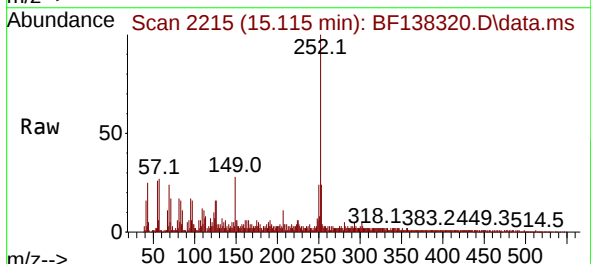
Manual Integrations
APPROVED

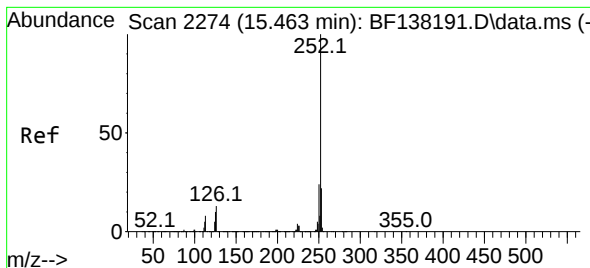
Reviewed By :Yogesh Patel 06/25/2024
Supervised By :mohammad ahmed 06/26/2024



#89
Benzo(k)fluoranthene
Concen: 2.890 ng m
RT: 15.115 min Scan# 2215
Delta R.T. -0.006 min
Lab File: BF138320.D
Acq: 24 Jun 2024 20:12

Tgt Ion:252 Resp: 56370
Ion Ratio Lower Upper
252 100
253 24.5 17.8 26.8
125 16.0 8.0 12.0





#90

Benzo(a)pyrene

Concen: 5.445 ng

RT: 15.462 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF138320.D

Acq: 24 Jun 2024 20:12

Instrument :

BNA_F

ClientSampleId :

VNJ-204

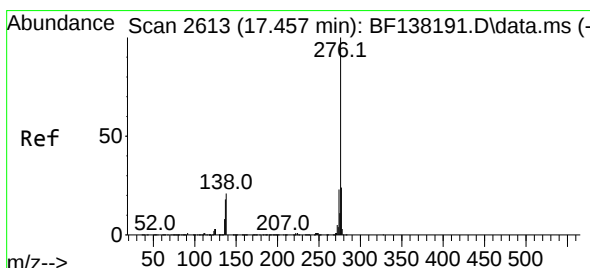
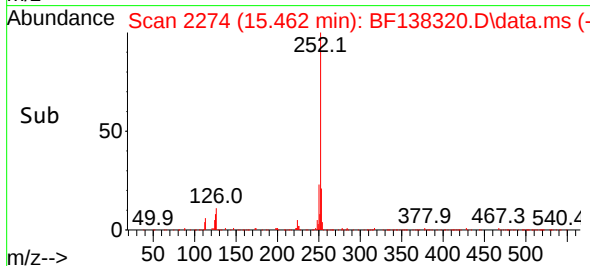
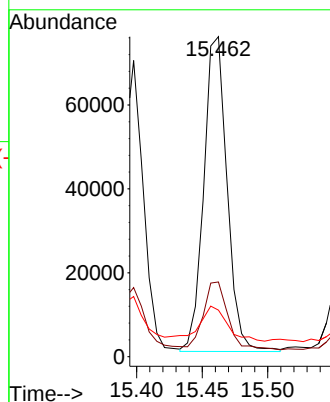
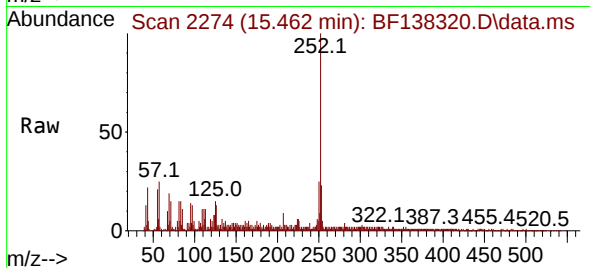
Tgt Ion:	252	Resp:	9308
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.7	26.5
125	14.5	8.2	12.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 06/25/2024

Supervised By :mohammad ahmed 06/26/2024



#92

Benzo(g,h,i)perylene

Concen: 2.950 ng

RT: 17.450 min Scan# 2612

Delta R.T. -0.006 min

Lab File: BF138320.D

Acq: 24 Jun 2024 20:12

Tgt Ion:	276	Resp:	55111
Ion Ratio	Lower	Upper	
276	100		
277	28.7	19.5	29.3
138	22.7	16.6	24.8

