

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042624\
 Data File : BF137744.D
 Acq On : 26 Apr 2024 20:01
 Operator : CG\JU
 Sample : P2274-02 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-209

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 04/29/2024
 Supervised By :mohammad ahmed 04/30/2024

Quant Time: Apr 26 23:04:10 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 24 03:57:12 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.057	152	312691	20.000	ng	0.00
21) Naphthalene-d8	8.345	136	1235711	20.000	ng	0.00
39) Acenaphthene-d10	10.104	164	656280	20.000	ng	-0.01
64) Phenanthrene-d10	11.598	188	917831	20.000	ng	0.00
76) Chrysene-d12	14.257	240	560411	20.000	ng	# 0.00
86) Perylene-d12	15.833	264	579820	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.669	112	298902	14.521	ng	-0.01
7) Phenol-d6	6.657	99	376901	14.418	ng	-0.02
23) Nitrobenzene-d5	7.616	82	221516	9.516	ng	-0.01
42) 2,4,6-Tribromophenol	10.892	330	80157	12.104	ng	-0.01
45) 2-Fluorobiphenyl	9.416	172	453921	10.335	ng	-0.01
79) Terphenyl-d14	13.186	244	310518	8.918	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.622	178	249102	5.127	ng	98
75) Fluoranthene	12.816	202	415020	8.127	ng	98
78) Pyrene	13.051	202	416690	9.059	ng	98
81) Benzo(a)anthracene	14.245	228	169237	4.330	ng	92
83) Chrysene	14.280	228	204083	5.588	ng	97
87) Indeno(1,2,3-cd)pyrene	17.468	276	81650m	2.540	ng	
88) Benzo(b)fluoranthene	15.357	252	229291m	6.180	ng	
89) Benzo(k)fluoranthene	15.386	252	83102m	2.279	ng	
90) Benzo(a)pyrene	15.762	252	155297	4.666	ng	# 78
92) Benzo(g,h,i)perylene	17.968	276	80604	3.107	ng	# 90

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

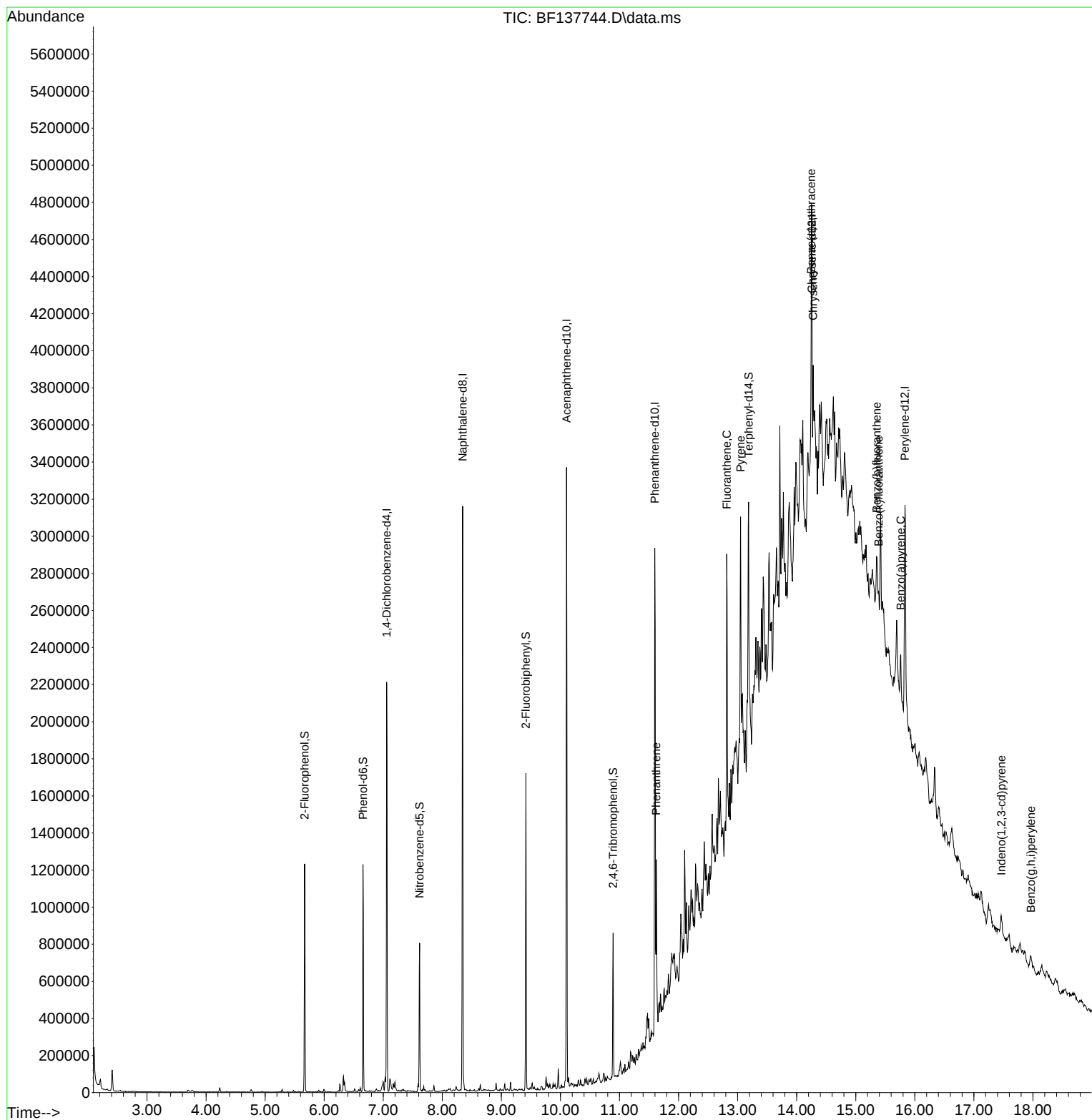
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042624\
Data File : BF137744.D
Acq On : 26 Apr 2024 20:01
Operator : CG\JU
Sample : P2274-02 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

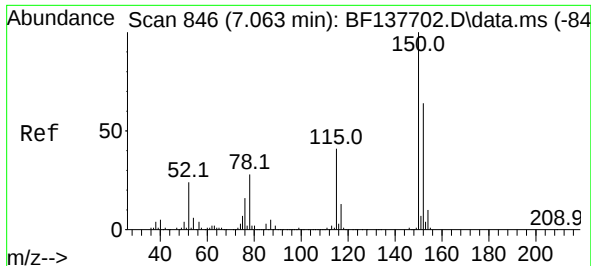
Instrument :
BNA_F
ClientSampleId :
VNJ-209

Quant Time: Apr 26 23:04:10 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042324.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 24 03:57:12 2024
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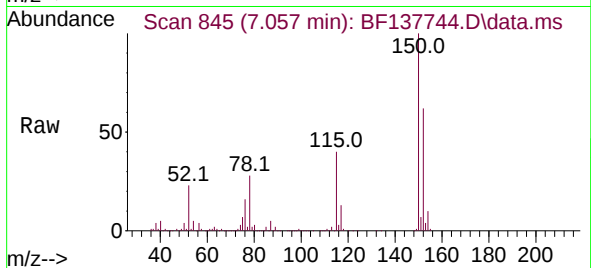
Reviewed By :Jagrut Upadhyay 04/29/2024
Supervised By :mohammad ahmed 04/30/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.057 min Scan# 846
Delta R.T. -0.006 min
Lab File: BF137744.D
Acq: 26 Apr 2024 20:01

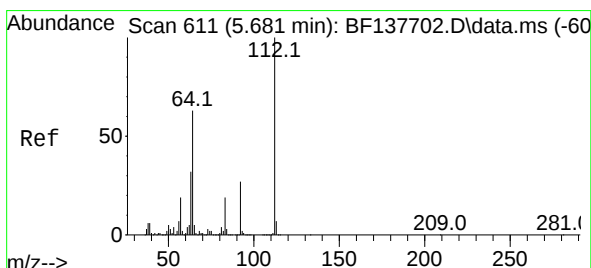
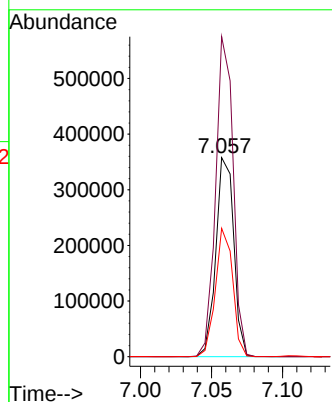
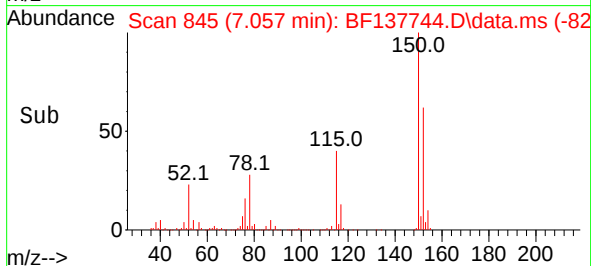
Instrument :
BNA_F
ClientSampleId :
VNJ-209



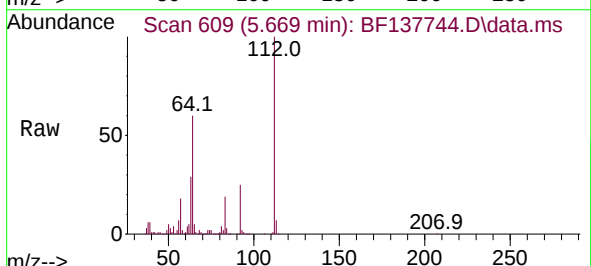
Tgt Ion:152 Resp: 31269
Ion Ratio Lower Upper
152 100
150 160.7 124.2 186.4
115 64.5 50.8 76.2

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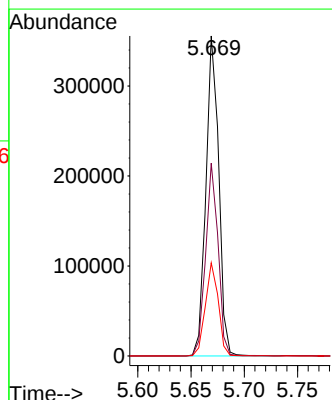
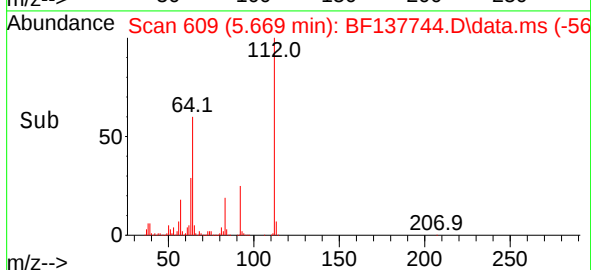
Reviewed By :Jagrut Upadhyay 04/29/2024
Supervised By :mohammad ahmed 04/30/2024

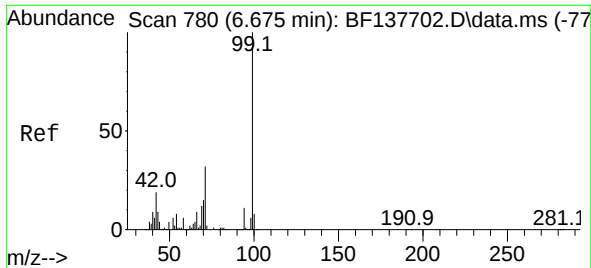


#5
2-Fluorophenol
Concen: 14.521 ng
RT: 5.669 min Scan# 609
Delta R.T. -0.012 min
Lab File: BF137744.D
Acq: 26 Apr 2024 20:01



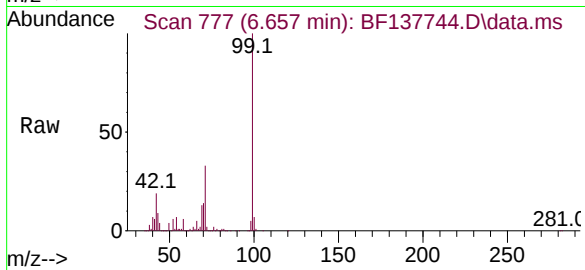
Tgt Ion:112 Resp: 298902
Ion Ratio Lower Upper
112 100
64 60.2 50.1 75.1
63 29.1 25.2 37.8





#7
Phenol-d6
Concen: 14.418 ng
RT: 6.657 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF137744.D
Acq: 26 Apr 2024 20:01

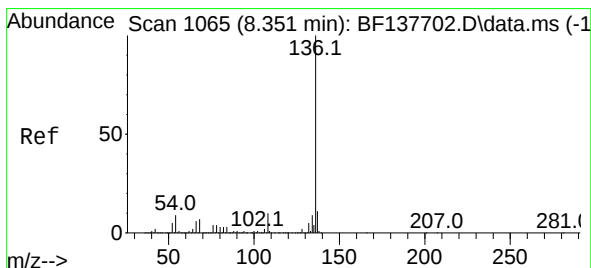
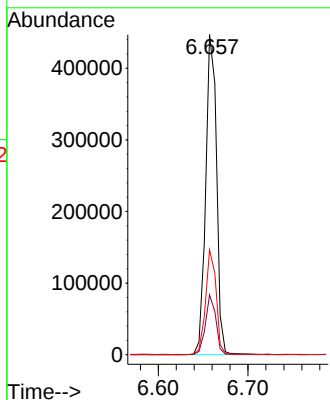
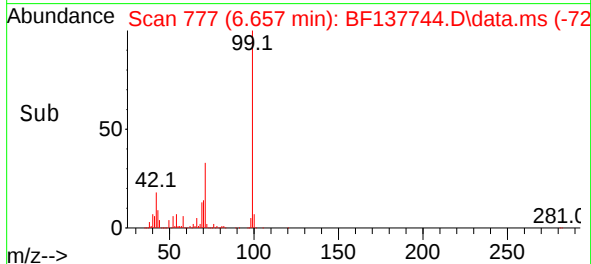
Instrument :
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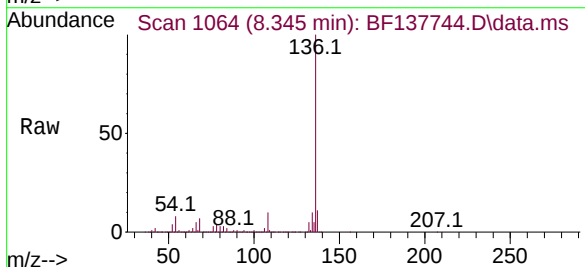
Tgt Ion: 99 Resp: 37690
Ion Ratio Lower Upper
99 100
42 18.7 15.0 22.4
71 32.7 25.7 38.5

Manual Integrations
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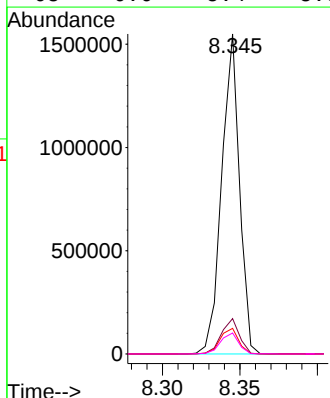
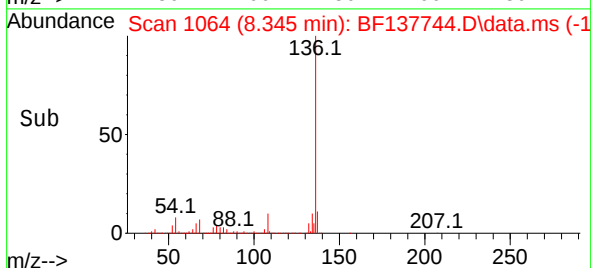
Reviewed By :Jagrut Upadhyay 04/29/2024
Supervised By :mohammad ahmed 04/30/2024

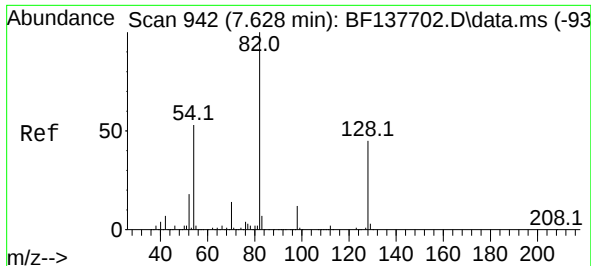


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.345 min Scan# 1064
Delta R.T. -0.006 min
Lab File: BF137744.D
Acq: 26 Apr 2024 20:01



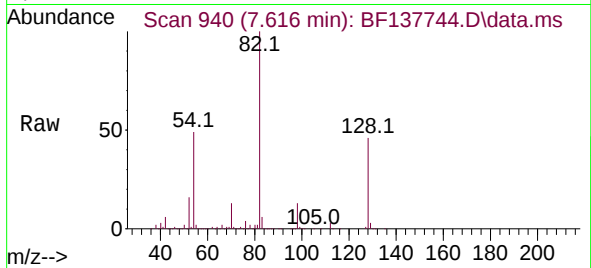
Tgt Ion:136 Resp: 1235711
Ion Ratio Lower Upper
136 100
137 11.0 8.8 13.2
54 8.0 6.9 10.3
68 6.6 5.4 8.0





#23
Nitrobenzene-d5
Concen: 9.516 ng
RT: 7.616 min Scan# 942
Delta R.T. -0.012 min
Lab File: BF137744.D
Acq: 26 Apr 2024 20:01

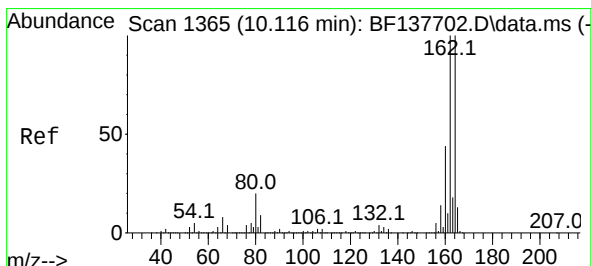
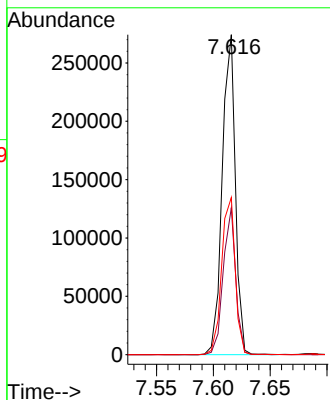
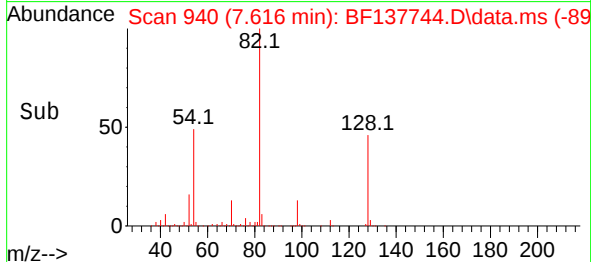
Instrument :
BNA_F
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VNJ-209



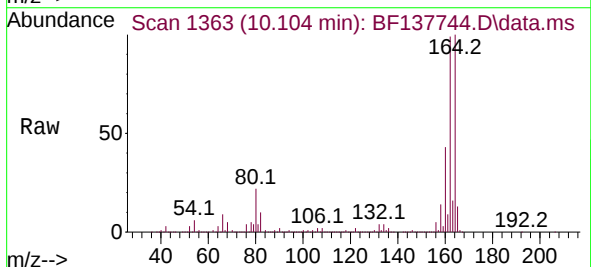
Tgt Ion: 82 Resp: 221510
Ion Ratio Lower Upper
82 100
128 45.9 35.8 53.6
54 49.1 42.5 63.7

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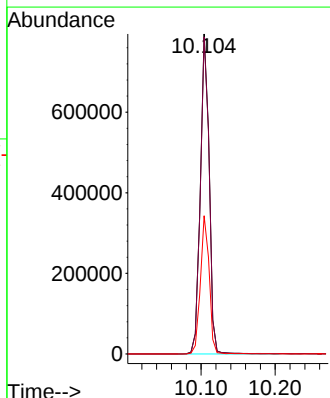
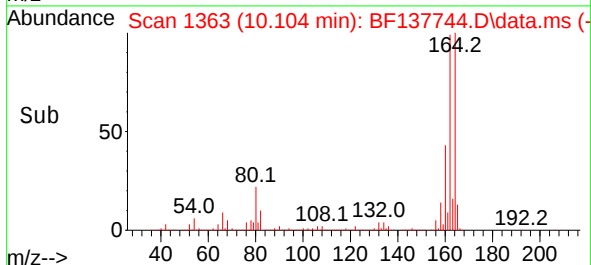
Reviewed By :Jagrut Upadhyay 04/29/2024
Supervised By :mohammad ahmed 04/30/2024

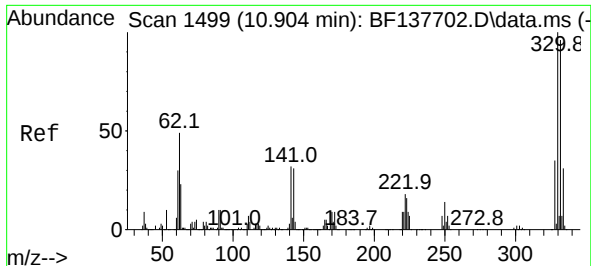


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.104 min Scan# 1363
Delta R.T. -0.012 min
Lab File: BF137744.D
Acq: 26 Apr 2024 20:01



Tgt Ion:164 Resp: 656280
Ion Ratio Lower Upper
164 100
162 99.1 80.3 120.5
160 43.2 35.0 52.4





#42
2,4,6-Tribromophenol
Concen: 12.104 ng
RT: 10.892 min Scan# 1499
Delta R.T. -0.012 min
Lab File: BF137744.D
Acq: 26 Apr 2024 20:01

Instrument :

BNA_F

ClientSampleId :

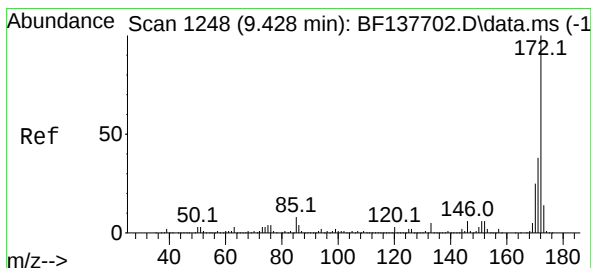
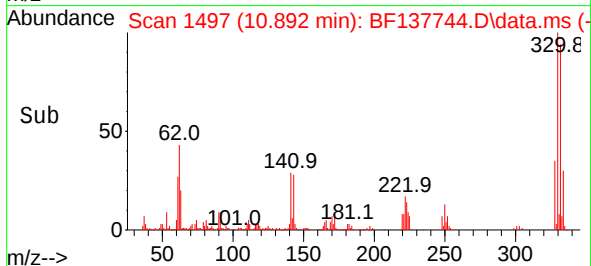
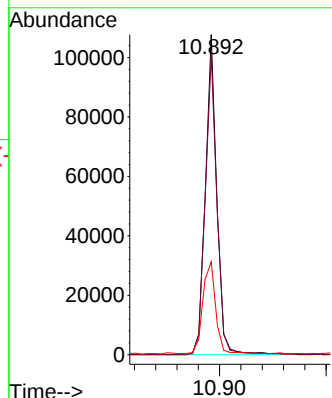
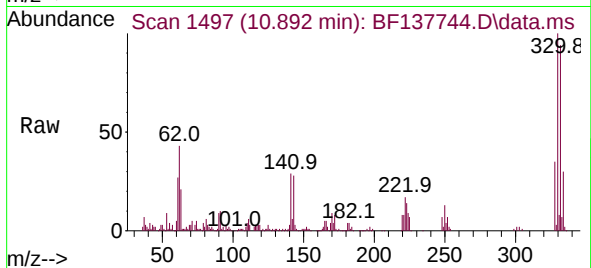
VNJ-209

Tgt Ion:330 Resp: 8015
Ion Ratio Lower Upper
330 100
332 97.1 77.1 115.7
141 32.1 27.0 40.4

Manual Integrations

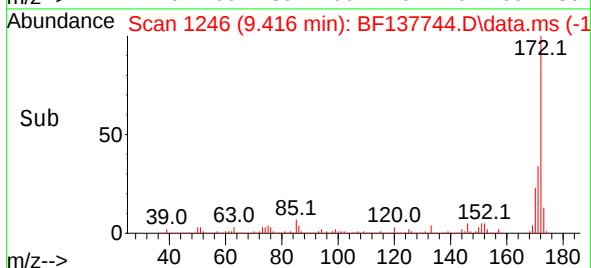
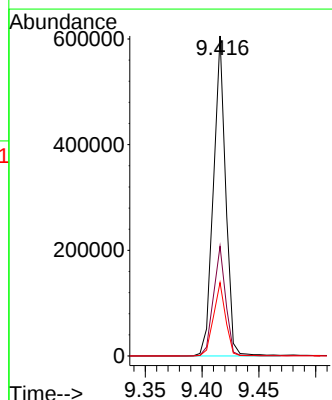
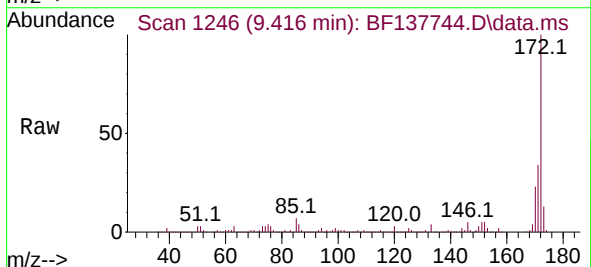
APPROVED

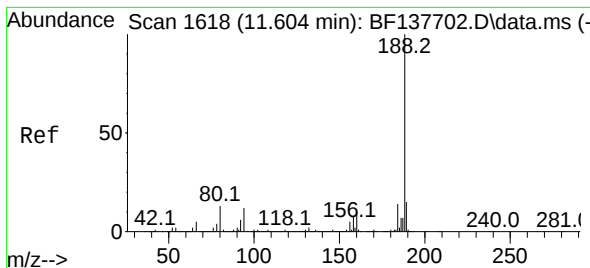
Reviewed By :Jagrut Upadhyay 04/29/2024
Supervised By :mohammad ahmed 04/30/2024



#45
2-Fluorobiphenyl
Concen: 10.335 ng
RT: 9.416 min Scan# 1246
Delta R.T. -0.012 min
Lab File: BF137744.D
Acq: 26 Apr 2024 20:01

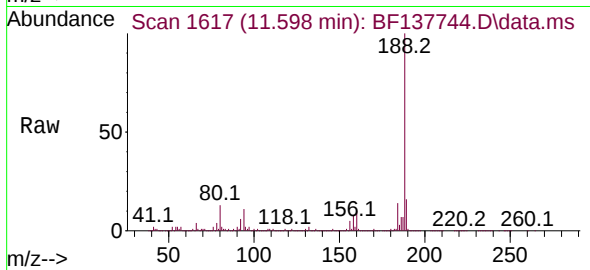
Tgt Ion:172 Resp: 453921
Ion Ratio Lower Upper
172 100
171 34.3 30.2 45.4
170 22.9 20.2 30.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.598 min Scan# 1617
Delta R.T. -0.006 min
Lab File: BF137744.D
Acq: 26 Apr 2024 20:01

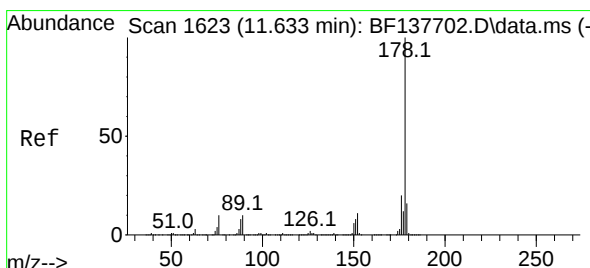
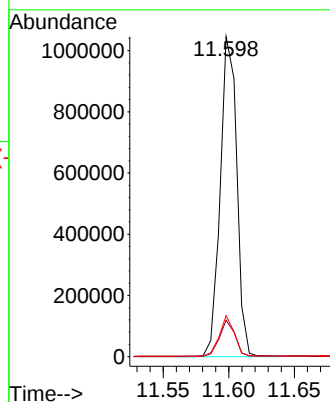
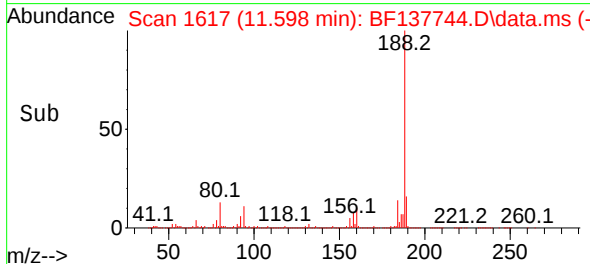
Instrument :
BNA_F
ClientSampleId :
VNJ-209



Tgt Ion:188 Resp: 91783
Ion Ratio Lower Upper
188 100
94 11.4 9.4 14.2
80 12.8 10.2 15.4

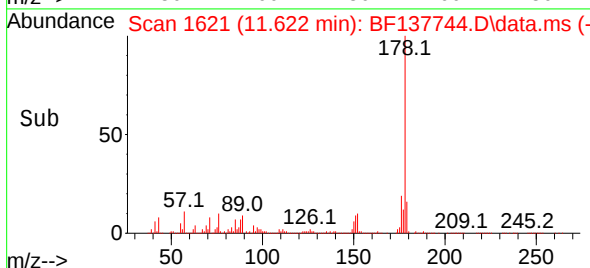
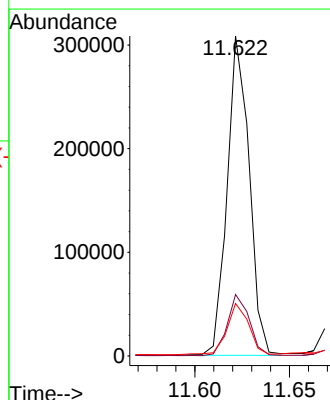
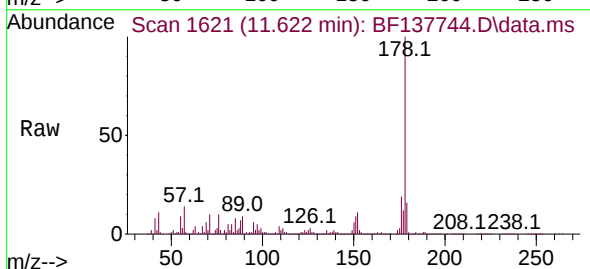
Manual Integrations
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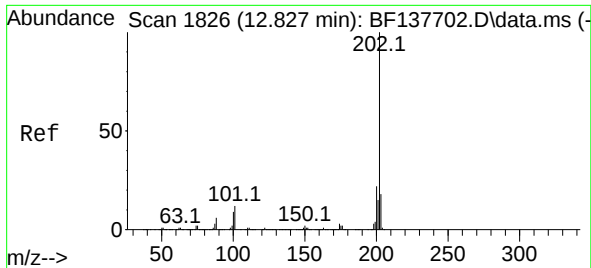
Reviewed By :Jagrut Upadhyay 04/29/2024
Supervised By :mohammad ahmed 04/30/2024



#71
Phenanthrene
Concen: 5.127 ng
RT: 11.622 min Scan# 1621
Delta R.T. -0.012 min
Lab File: BF137744.D
Acq: 26 Apr 2024 20:01

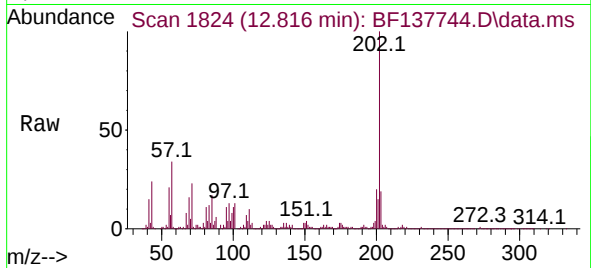
Tgt Ion:178 Resp: 249102
Ion Ratio Lower Upper
178 100
176 19.2 16.4 24.6
179 16.4 12.8 19.2





#75
Fluoranthene
Concen: 8.127 ng
RT: 12.816 min Scan# 1824
Delta R.T. -0.012 min
Lab File: BF137744.D
Acq: 26 Apr 2024 20:01

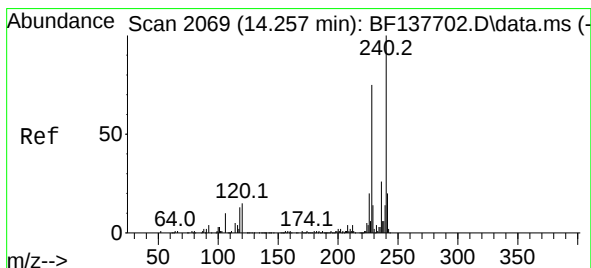
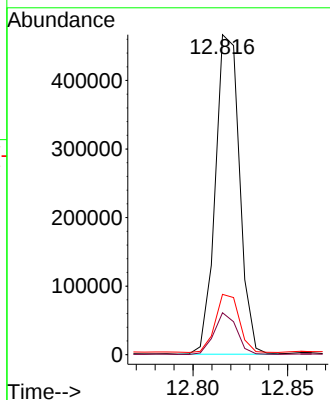
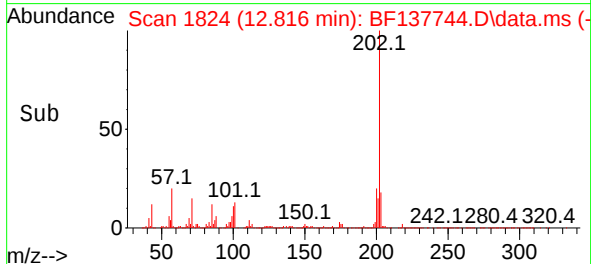
Instrument :
BNA_F
ClientSampleId :
VNJ-209



Tgt Ion:202 Resp: 415020
Ion Ratio Lower Upper
202 100
101 13.1 0.0 32.2
203 18.8 0.0 38.1

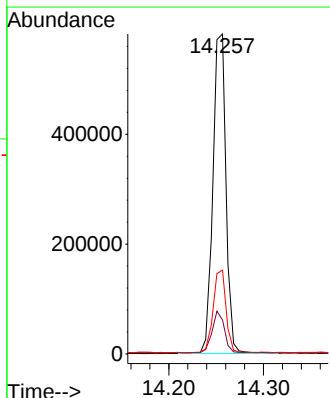
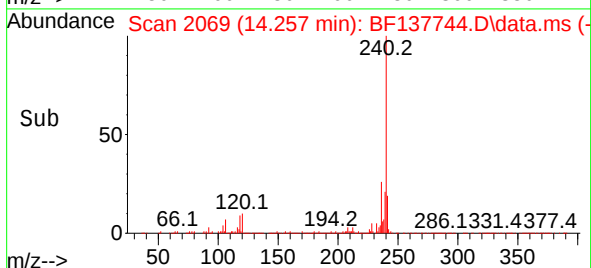
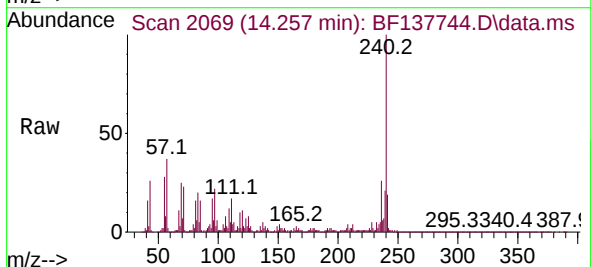
Manual Integrations
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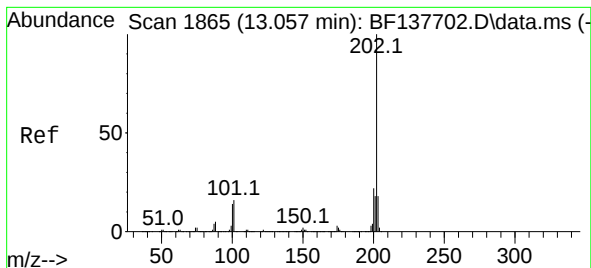
Reviewed By :Jagrut Upadhyay 04/29/2024
Supervised By :mohammad ahmed 04/30/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.257 min Scan# 2069
Delta R.T. 0.000 min
Lab File: BF137744.D
Acq: 26 Apr 2024 20:01

Tgt Ion:240 Resp: 560411
Ion Ratio Lower Upper
240 100
120 10.6 11.9 17.9#
236 26.2 20.8 31.2





#78

Pyrene

Concen: 9.059 ng

RT: 13.051 min Scan# 1864

Delta R.T. -0.006 min

Lab File: BF137744.D

Acq: 26 Apr 2024 20:01

Instrument :

BNA_F

ClientSampleId :

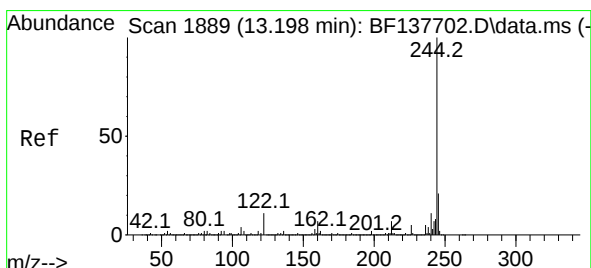
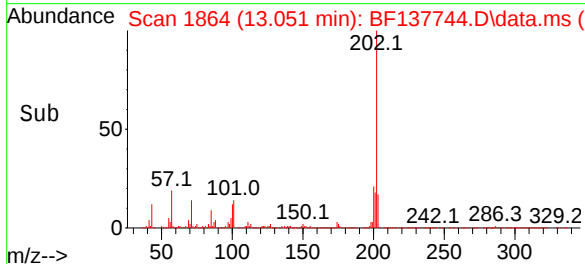
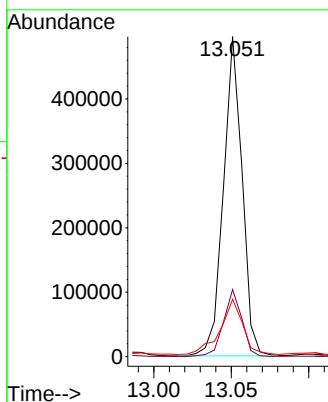
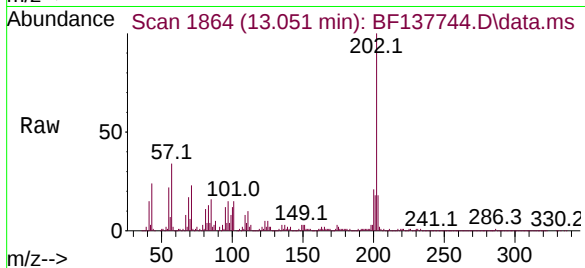
VNJ-209

Tgt Ion:202 Resp: 416690
 Ion Ratio Lower Upper
 202 100
 200 21.0 17.8 26.6
 203 17.9 14.6 21.8

Manual Integrations

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 Supervised By :mohammad ahmed 04/30/2024



#79

Terphenyl-d14

Concen: 8.918 ng

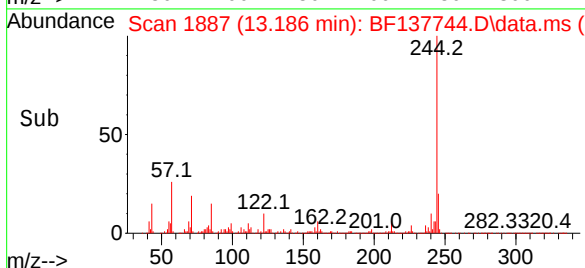
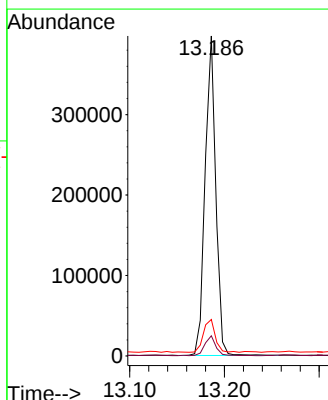
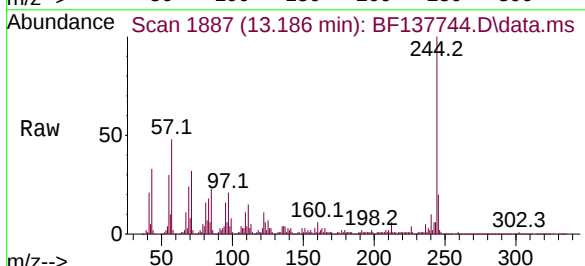
RT: 13.186 min Scan# 1887

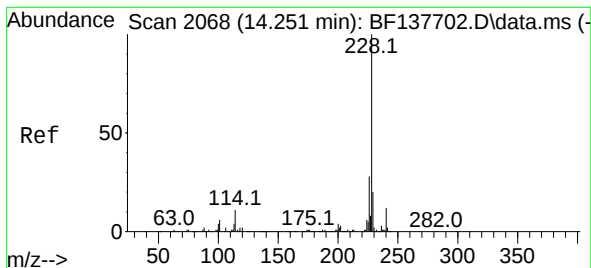
Delta R.T. -0.012 min

Lab File: BF137744.D

Acq: 26 Apr 2024 20:01

Tgt Ion:244 Resp: 310518
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.5 8.3
 122 11.4 8.8 13.2





#81

Benzo(a)anthracene

Concen: 4.330 ng

RT: 14.245 min Scan# 2067

Delta R.T. -0.006 min

Lab File: BF137744.D

Acq: 26 Apr 2024 20:01

Instrument :

BNA_F

ClientSampleId :

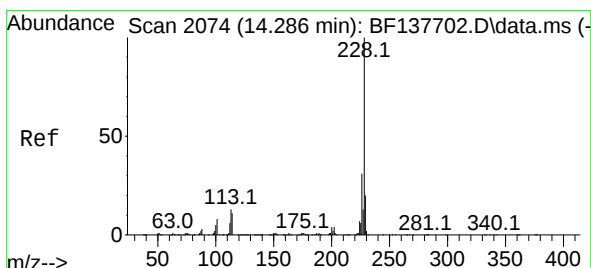
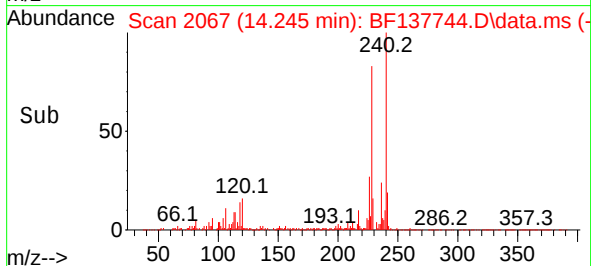
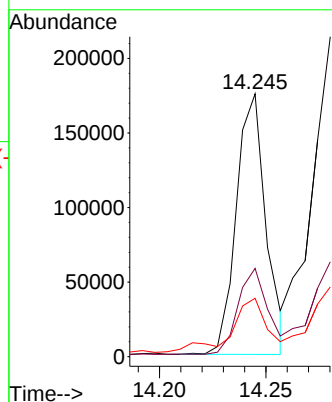
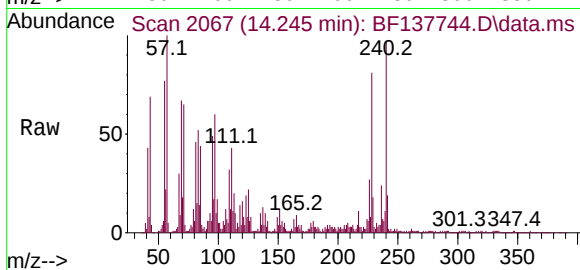
VNJ-209

Tgt Ion:228 Resp: 16923
 Ion Ratio Lower Upper
 228 100
 226 33.6 22.7 34.1
 229 22.2 16.0 24.0

Manual Integrations

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Reviewed By :Jagrut Upadhyay 04/29/2024
 Supervised By :mohammad ahmed 04/30/2024



#83

Chrysene

Concen: 5.588 ng

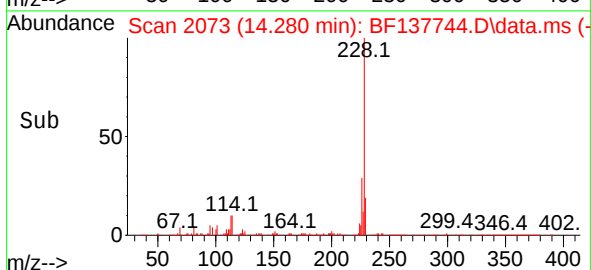
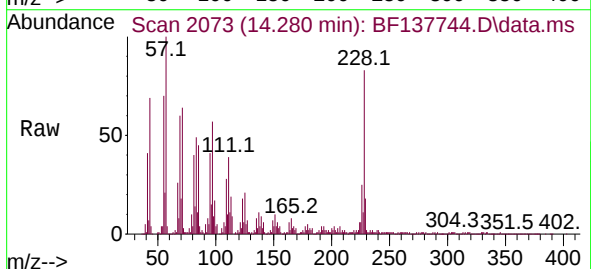
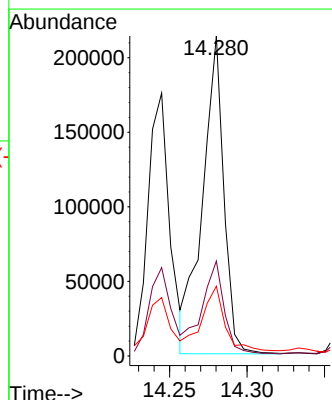
RT: 14.280 min Scan# 2073

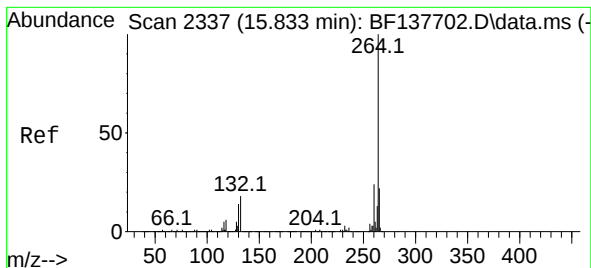
Delta R.T. -0.006 min

Lab File: BF137744.D

Acq: 26 Apr 2024 20:01

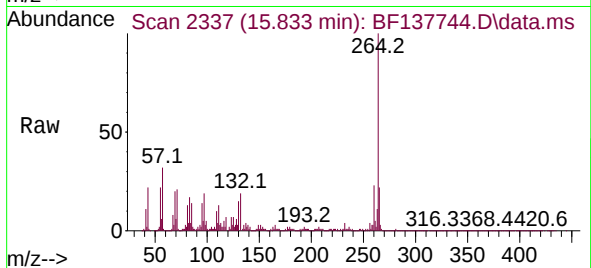
Tgt Ion:228 Resp: 204083
 Ion Ratio Lower Upper
 228 100
 226 29.7 24.7 37.1
 229 21.8 16.2 24.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.833 min Scan# 24
Delta R.T. 0.000 min
Lab File: BF137744.D
Acq: 26 Apr 2024 20:01

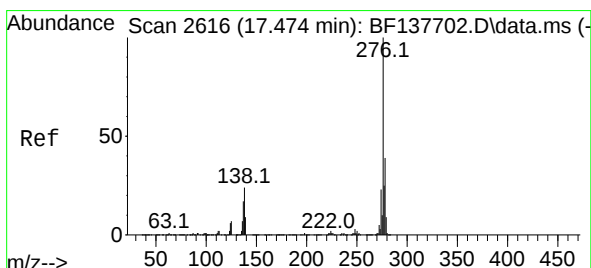
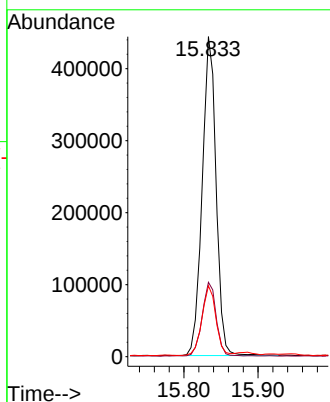
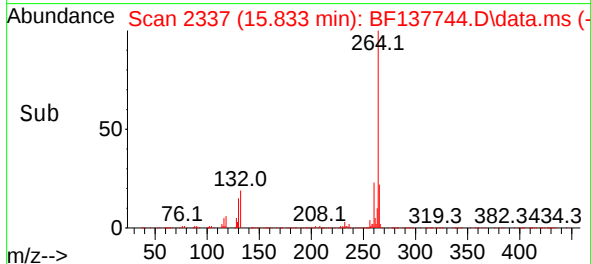
Instrument :
BNA_F
ClientSampleId :
VNJ-209



Tgt Ion:264 Resp: 579820
Ion Ratio Lower Upper
264 100
260 23.3 19.4 29.2
265 22.1 17.5 26.3

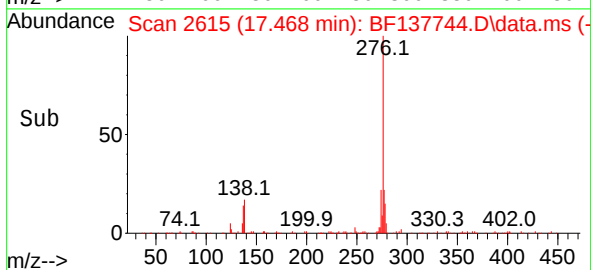
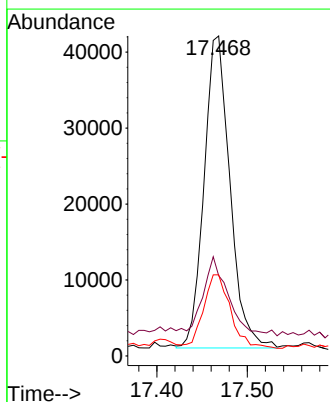
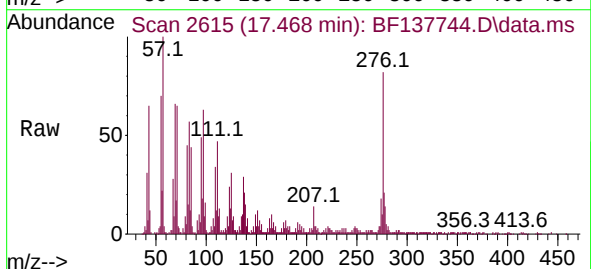
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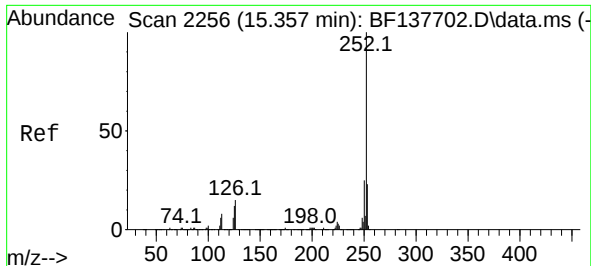
Reviewed By :Jagrut Upadhyay 04/29/2024
Supervised By :mohammad ahmed 04/30/2024



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.540 ng m
RT: 17.468 min Scan# 2615
Delta R.T. -0.006 min
Lab File: BF137744.D
Acq: 26 Apr 2024 20:01

Tgt Ion:276 Resp: 81650
Ion Ratio Lower Upper
276 100
138 24.7 22.3 33.5
277 24.6 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 6.180 ng m

RT: 15.357 min Scan# 2256

Delta R.T. -0.000 min

Lab File: BF137744.D

Acq: 26 Apr 2024 20:01

Instrument :

BNA_F

ClientSampleId :

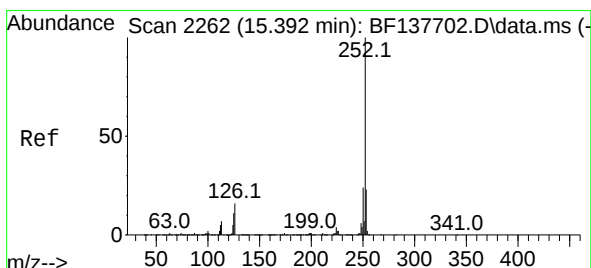
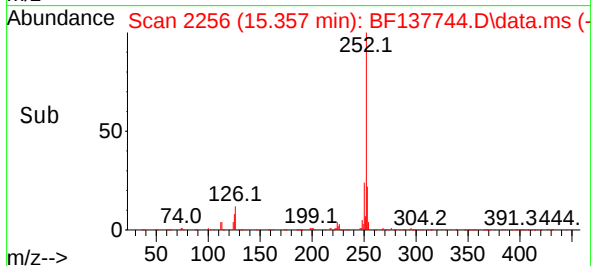
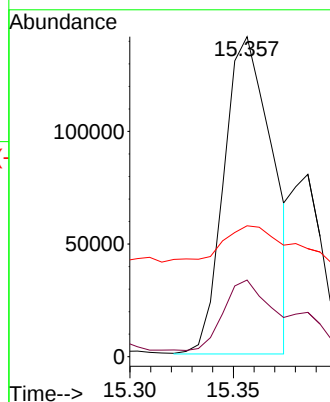
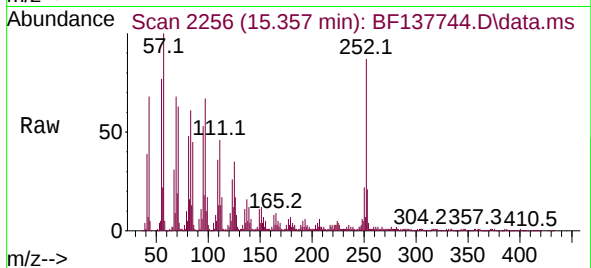
VNJ-209

Tgt Ion:252 Resp: 22929
 Ion Ratio Lower Upper
 252 100
 253 24.0 18.1 27.1
 125 40.9 9.2 13.8

Manual Integrations

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Reviewed By :Jagrut Upadhyay 04/29/2024
 Supervised By :mohammad ahmed 04/30/2024



#89

Benzo(k)fluoranthene

Concen: 2.279 ng m

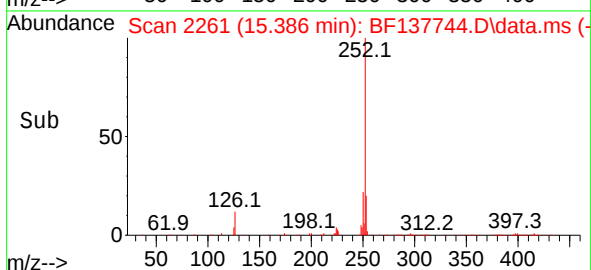
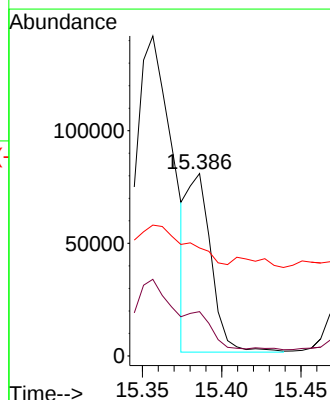
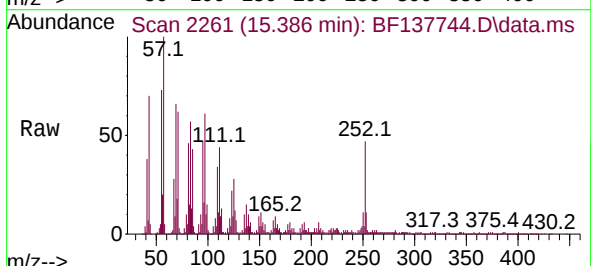
RT: 15.386 min Scan# 2261

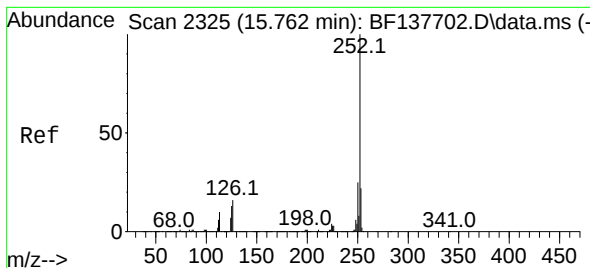
Delta R.T. -0.006 min

Lab File: BF137744.D

Acq: 26 Apr 2024 20:01

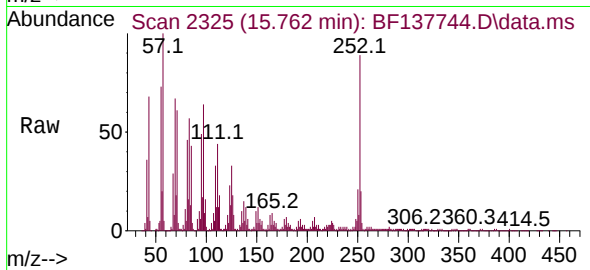
Tgt Ion:252 Resp: 83102
 Ion Ratio Lower Upper
 252 100
 253 24.3 18.0 27.0
 125 59.2 9.0 13.6





#90
Benzo(a)pyrene
Concen: 4.666 ng
RT: 15.762 min Scan# 2325
Delta R.T. 0.000 min
Lab File: BF137744.D
Acq: 26 Apr 2024 20:01

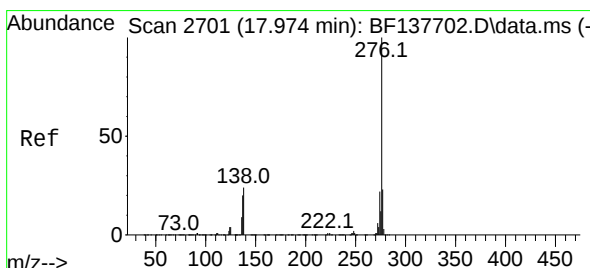
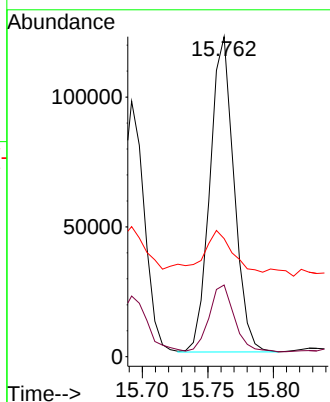
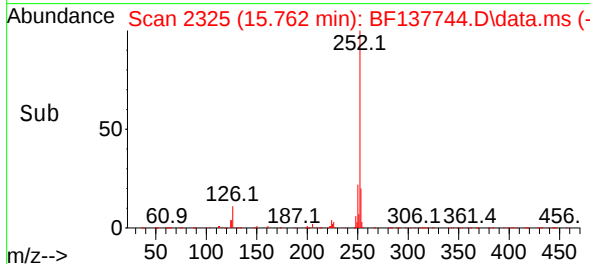
Instrument :
BNA_F
ClientSampleId :
VNJ-209



Tgt Ion:252 Resp: 15529
Ion Ratio Lower Upper
252 100
253 22.4 17.9 26.9
125 36.9 10.2 15.2

Manual Integrations
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Reviewed By :Jagrut Upadhyay 04/29/2024
Supervised By :mohammad ahmed 04/30/2024



#92
Benzo(g,h,i)perylene
Concen: 3.107 ng
RT: 17.968 min Scan# 2700
Delta R.T. -0.006 min
Lab File: BF137744.D
Acq: 26 Apr 2024 20:01

Tgt Ion:276 Resp: 80604
Ion Ratio Lower Upper
276 100
277 29.2 18.5 27.7#
138 27.9 19.5 29.3

