

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020724\
 Data File : BF137315.D
 Acq On : 07 Feb 2024 12:18
 Operator : CG\JU
 Sample : P1355-01DL 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-214DL

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 02/08/2024
 Supervised By :mohammad ahmed 02/09/2024

Quant Time: Feb 07 12:35:57 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 31 04:56:22 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	49865	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	206424	20.000	ng	-0.01
39) Acenaphthene-d10	9.822	164	123617	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	238814	20.000	ng	# 0.00
76) Chrysene-d12	13.968	240	144926	20.000	ng	0.00
86) Perylene-d12	15.451	264	151187	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	198744	65.766	ng	0.00
7) Phenol-d6	6.416	99	267088	61.931	ng	-0.01
23) Nitrobenzene-d5	7.345	82	176919	38.372	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	98798	70.769	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	332483	36.973	ng	0.00
79) Terphenyl-d14	12.910	244	414959	38.924	ng	-0.01
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.780	142	23366	3.123	ng	96
38) 1-Methylnaphthalene	8.875	142	24817	3.571	ng	100
52) Acenaphthene	9.851	154	107348	15.675	ng	99
55) Dibenzofuran	10.027	168	96726	8.877	ng	98
58) Fluorene	10.369	166	128807	15.080	ng	99
71) Phenanthrene	11.339	178	526244	42.092	ng	99
72) Anthracene	11.386	178	98067	7.526	ng	99
75) Fluoranthene	12.533	202	444162	33.951	ng	100
78) Pyrene	12.763	202	324034	23.266	ng	100
81) Benzo(a)anthracene	13.957	228	112114	10.923	ng	100
83) Chrysene	13.992	228	85979	8.521	ng	96
88) Benzo(b)fluoranthene	15.015	252	78226m	8.413	ng	
89) Benzo(k)fluoranthene	15.045	252	32008m	3.254	ng	
90) Benzo(a)pyrene	15.386	252	46230	5.283	ng	100
92) Benzo(g,h,i)perylene	17.386	276	18849	2.256	ng	97

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

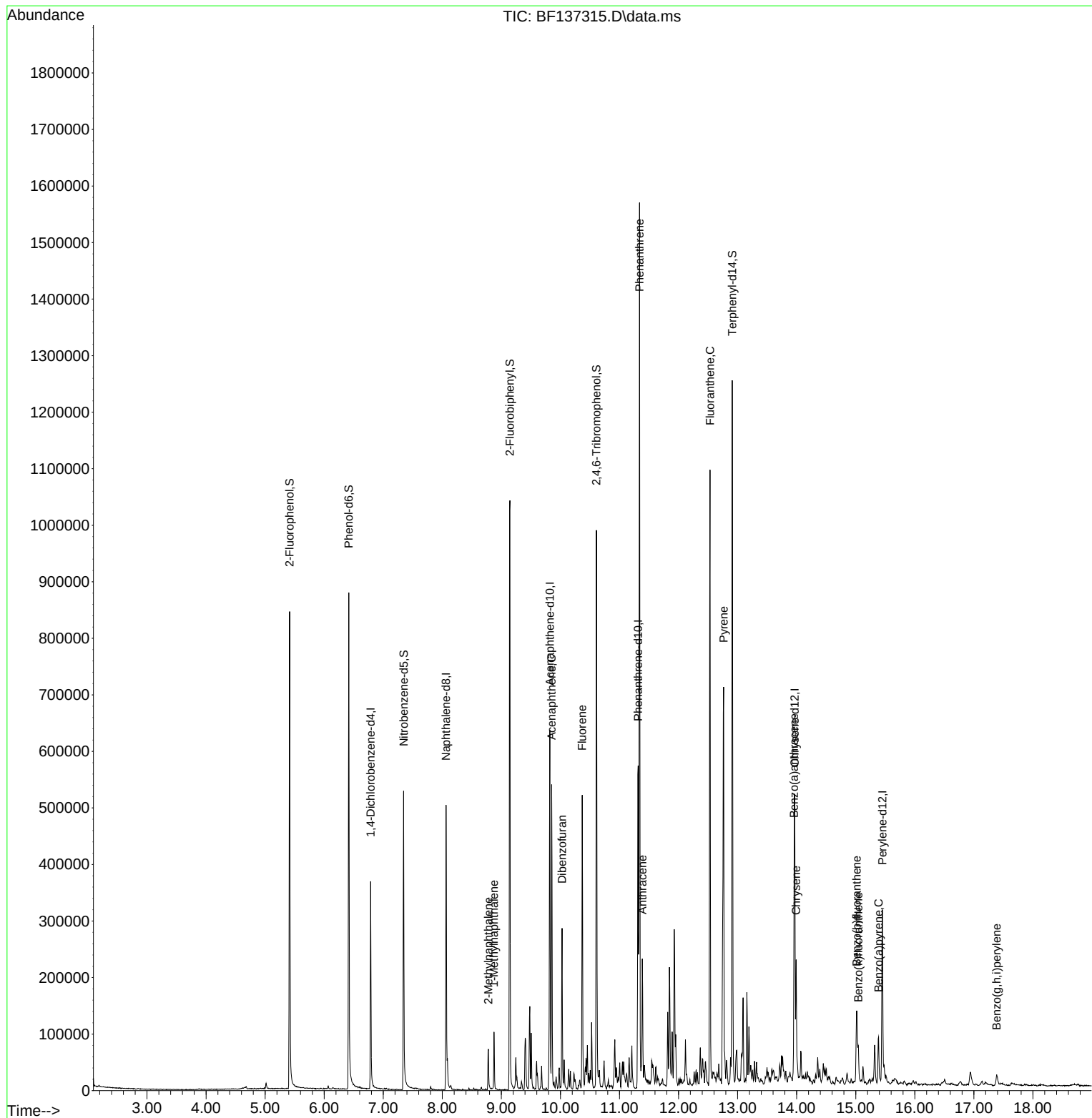
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020724\
Data File : BF137315.D
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ALS Vial : 5 Sample Multiplier: 1

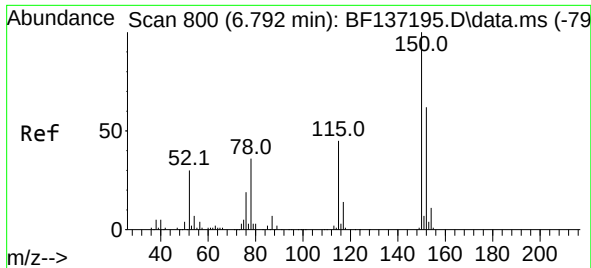
Instrument :
BNA_F
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VNJ-214DL

Quant Time: Feb 07 12:35:57 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF013024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 31 04:56:22 2024
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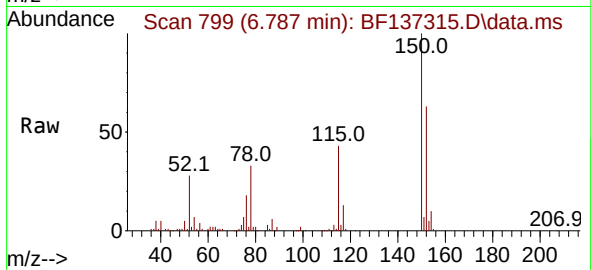
Reviewed By :Jagrut Upadhyay 02/08/2024
Supervised By :mohammad ahmed 02/09/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 799
Delta R.T. -0.005 min
Lab File: BF137315.D
Acq: 07 Feb 2024 12:18

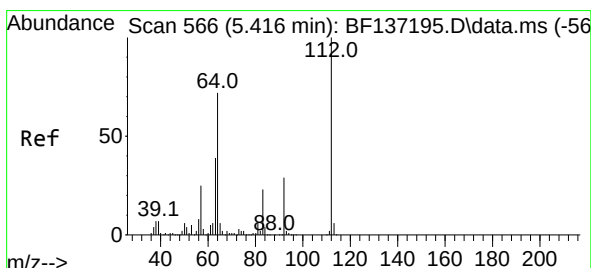
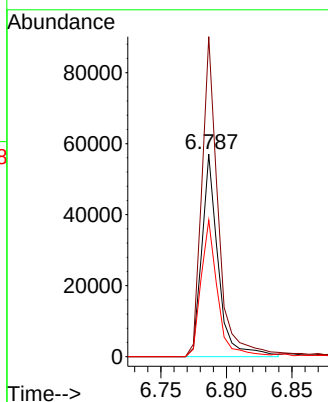
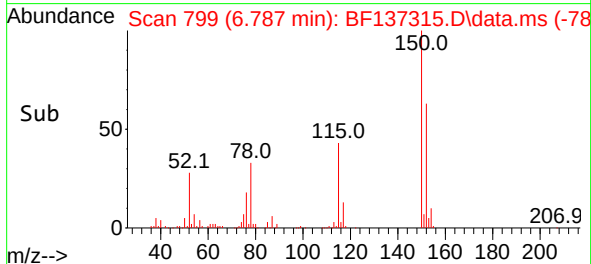
Instrument :
BNA_F
ClientSampleId :
VNJ-214DL



Tgt Ion:152 Resp: 4986
Ion Ratio Lower Upper
152 100
150 158.0 129.8 194.8
115 67.5 58.5 87.7

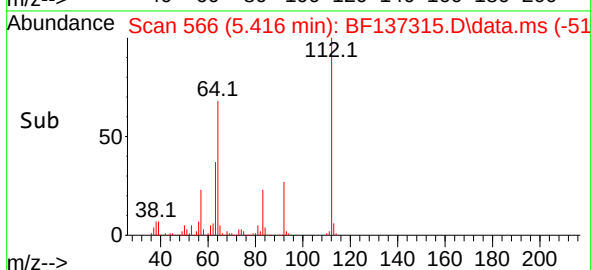
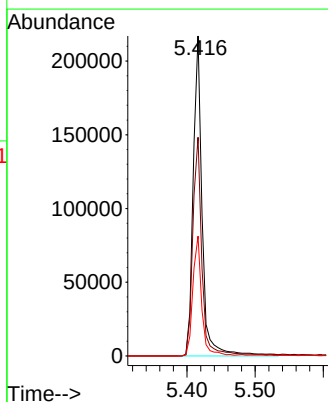
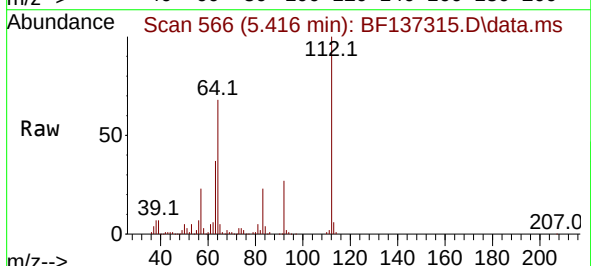
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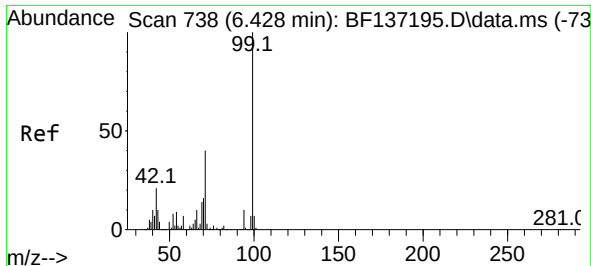
Reviewed By :Jagrut Upadhyay 02/08/2024
Supervised By :mohammad ahmed 02/09/2024



#5
2-Fluorophenol
Concen: 65.766 ng
RT: 5.416 min Scan# 566
Delta R.T. 0.000 min
Lab File: BF137315.D
Acq: 07 Feb 2024 12:18

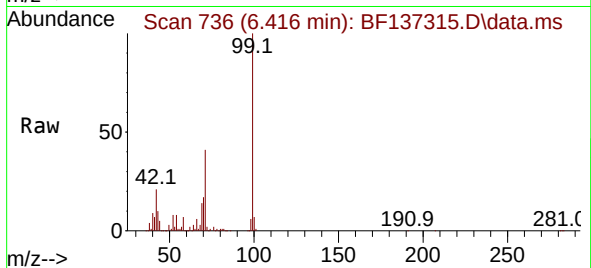
Tgt Ion:112 Resp: 198744
Ion Ratio Lower Upper
112 100
64 68.3 57.8 86.6
63 37.5 31.4 47.0





#7
Phenol-d6
Concen: 61.931 ng
RT: 6.416 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF137315.D
Acq: 07 Feb 2024 12:18

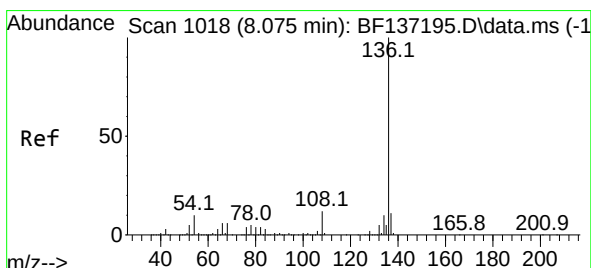
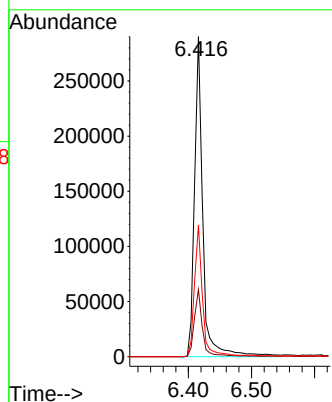
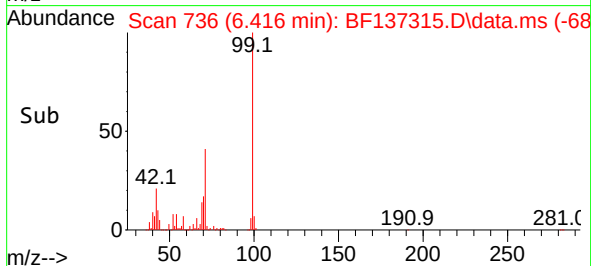
Instrument :
BNA_F
ClientSampleId :
VNJ-214DL



Tgt Ion: 99 Resp: 267088
Ion Ratio Lower Upper
99 100
42 21.0 16.4 24.6
71 41.1 32.4 48.6

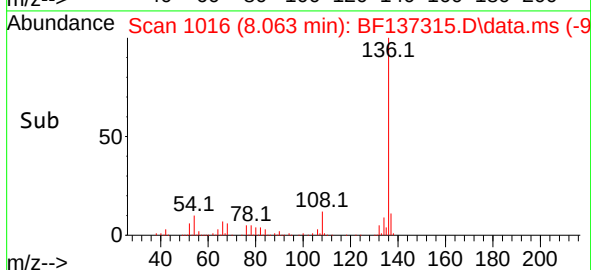
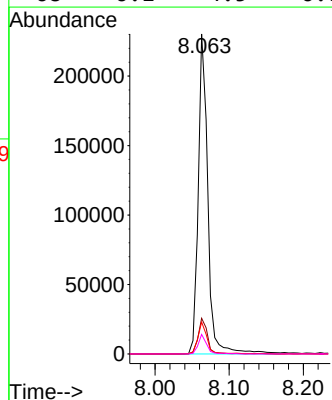
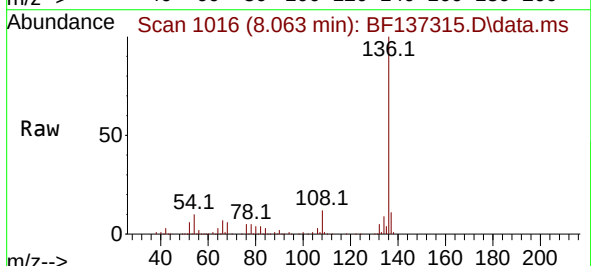
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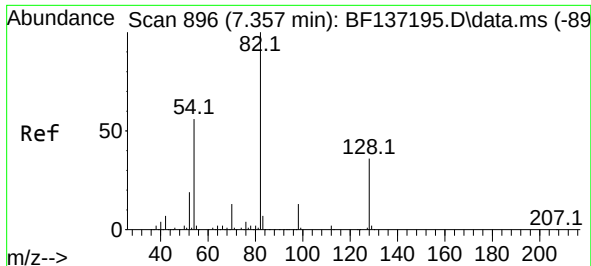
Reviewed By :Jagrut Upadhyay 02/08/2024
Supervised By :mohammad ahmed 02/09/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1016
Delta R.T. -0.012 min
Lab File: BF137315.D
Acq: 07 Feb 2024 12:18

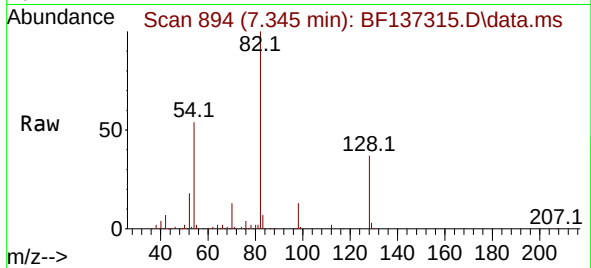
Tgt Ion:136 Resp: 206424
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 10.0 7.8 11.8
68 6.1 4.5 6.7





#23
Nitrobenzene-d5
Concen: 38.372 ng
RT: 7.345 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF137315.D
Acq: 07 Feb 2024 12:18

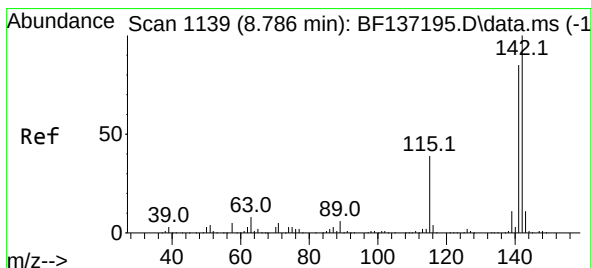
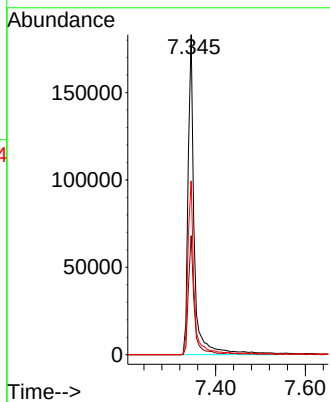
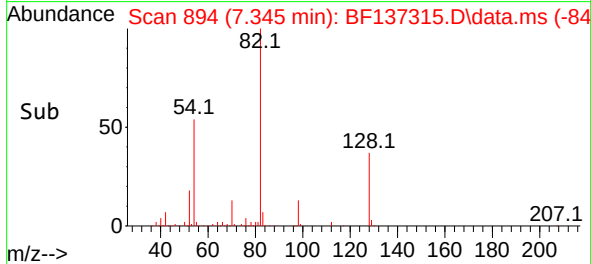
Instrument :
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ClientSampleId :
VNJ-214DL



Tgt Ion: 82 Resp: 176919
Ion Ratio Lower Upper
82 100
128 37.2 29.1 43.7
54 54.3 45.0 67.6

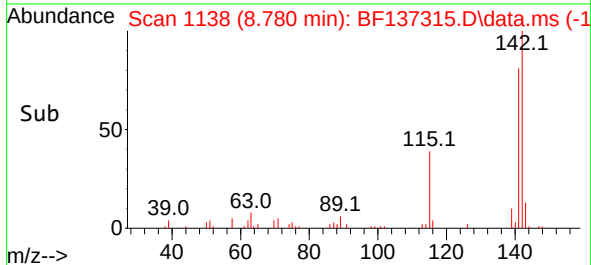
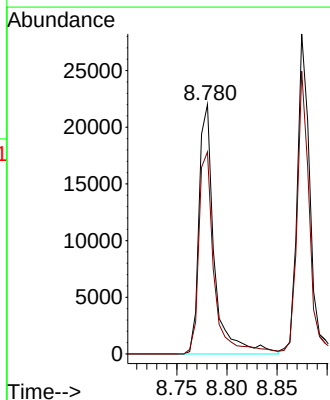
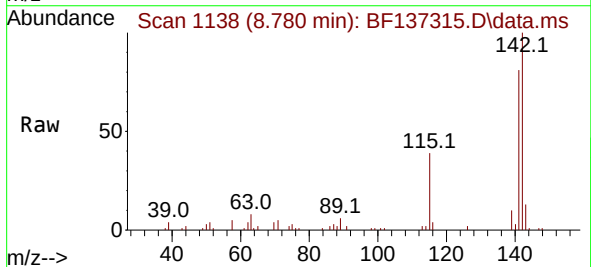
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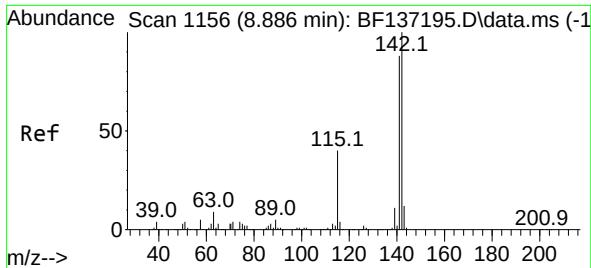
Reviewed By :Jagrut Upadhyay 02/08/2024
Supervised By :mohammad ahmed 02/09/2024



#37
2-Methylnaphthalene
Concen: 3.123 ng
RT: 8.780 min Scan# 1138
Delta R.T. -0.006 min
Lab File: BF137315.D
Acq: 07 Feb 2024 12:18

Tgt Ion:142 Resp: 23366
Ion Ratio Lower Upper
142 100
141 81.0 67.8 101.8





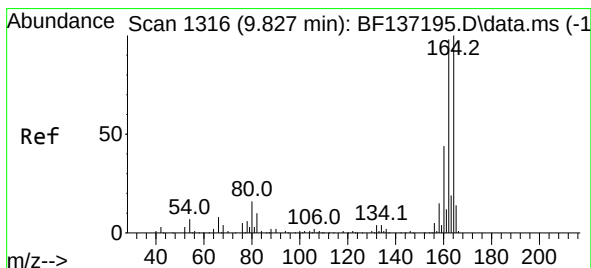
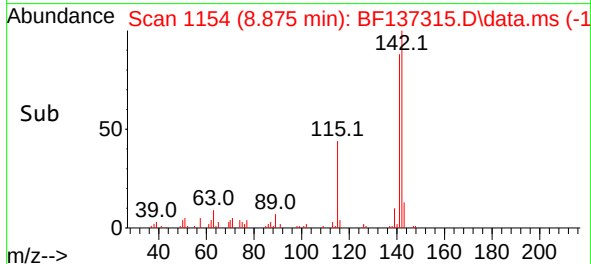
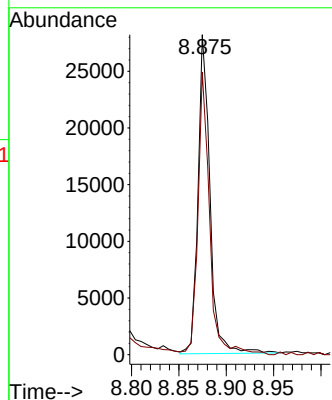
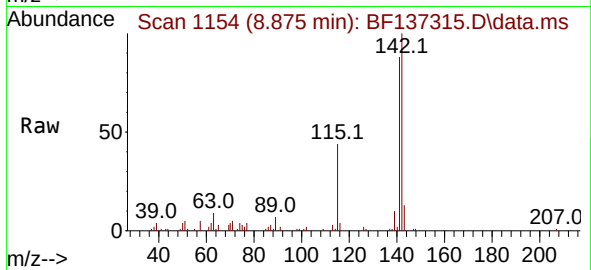
#38
1-Methylnaphthalene
Concen: 3.571 ng
RT: 8.875 min Scan# 1156
Delta R.T. -0.012 min
Lab File: BF137315.D
Acq: 07 Feb 2024 12:18

Instrument :
BNA_F
ClientSampleId :
VNJ-214DL

Tgt Ion:142 Resp: 2481
Ion Ratio Lower Upper
142 100
141 88.4 70.6 105.8

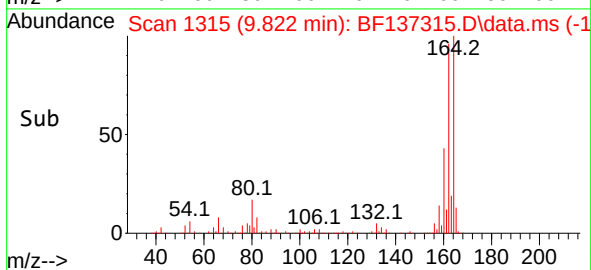
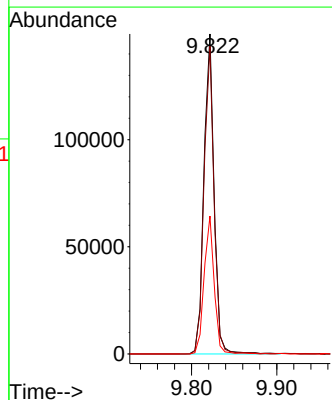
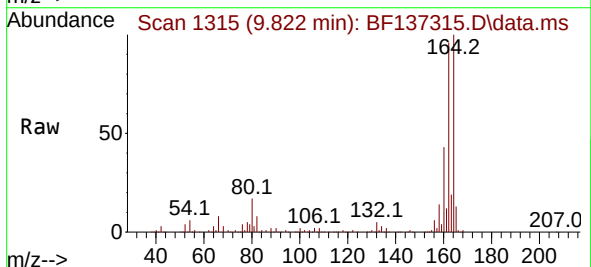
Manual Integrations
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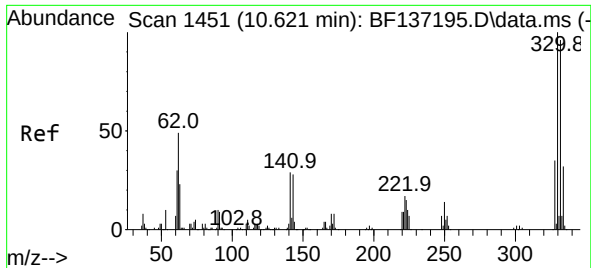
Reviewed By :Jagrut Upadhyay 02/08/2024
Supervised By :mohammad ahmed 02/09/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.005 min
Lab File: BF137315.D
Acq: 07 Feb 2024 12:18

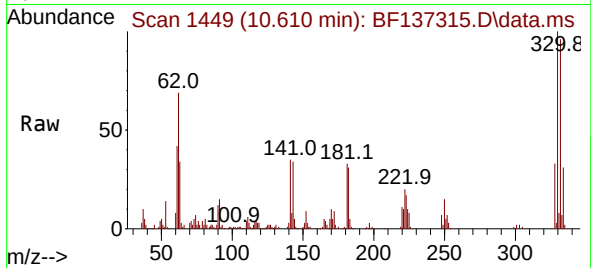
Tgt Ion:164 Resp: 123617
Ion Ratio Lower Upper
164 100
162 96.2 78.3 117.5
160 43.1 35.4 53.2





#42
2,4,6-Tribromophenol
Concen: 70.769 ng
RT: 10.610 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF137315.D
Acq: 07 Feb 2024 12:18

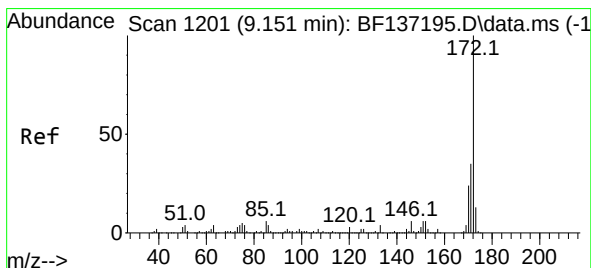
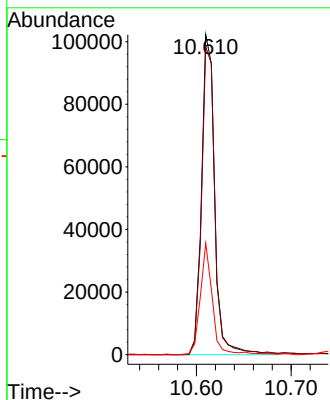
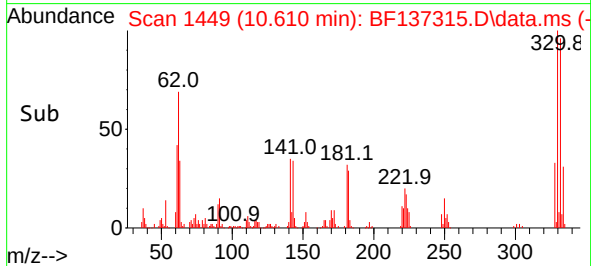
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BNA_F
ClientSampleId :
VNJ-214DL



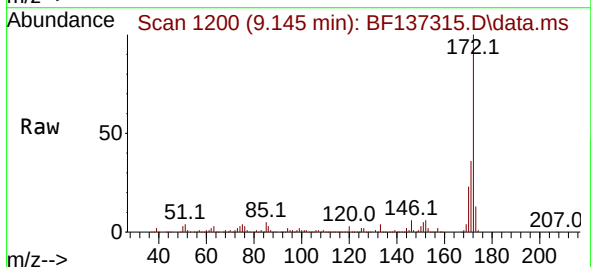
Tgt Ion: 330 Resp: 98798
Ion Ratio Lower Upper
330 100
332 97.8 77.3 115.9
141 32.5 25.2 37.8

Manual Integrations
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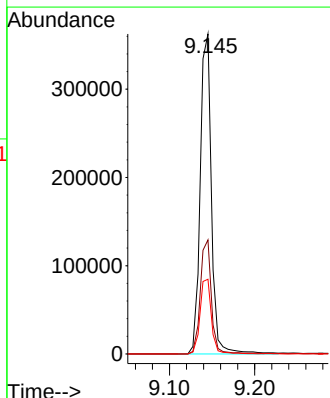
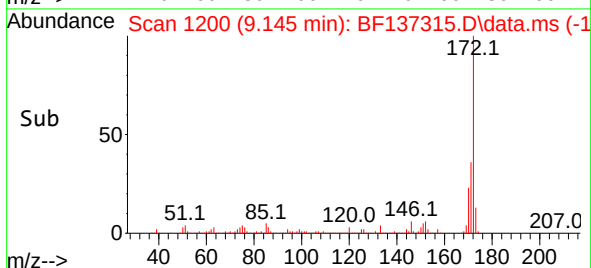
Reviewed By : Jagrut Upadhyay 02/08/2024
Supervised By : mohammad ahmed 02/09/2024

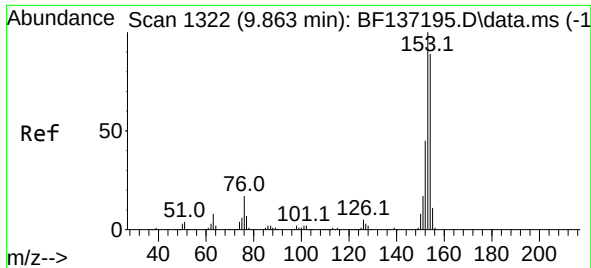


#45
2-Fluorobiphenyl
Concen: 36.973 ng
RT: 9.145 min Scan# 1200
Delta R.T. -0.006 min
Lab File: BF137315.D
Acq: 07 Feb 2024 12:18



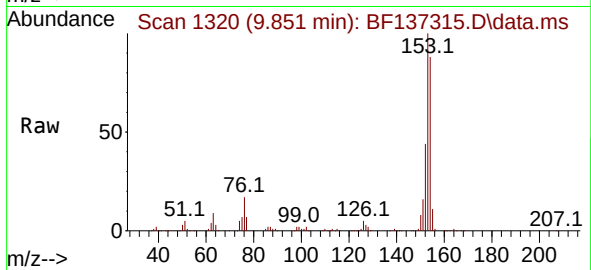
Tgt Ion: 172 Resp: 332483
Ion Ratio Lower Upper
172 100
171 35.7 28.3 42.5
170 23.4 19.1 28.7





#52
Acenaphthene
Concen: 15.675 ng
RT: 9.851 min Scan# 1322
Delta R.T. -0.012 min
Lab File: BF137315.D
Acq: 07 Feb 2024 12:18

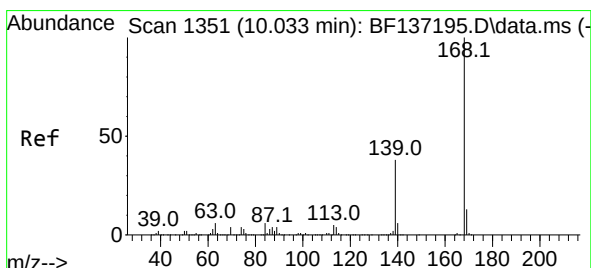
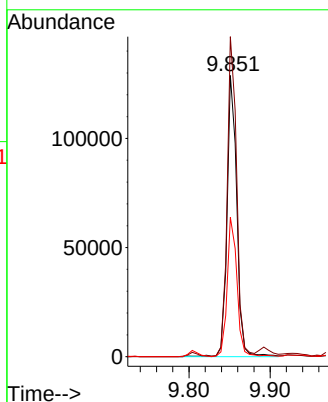
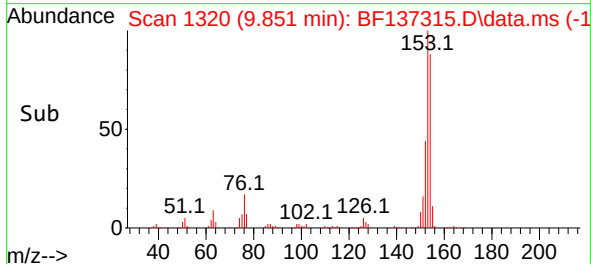
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VNJ-214DL



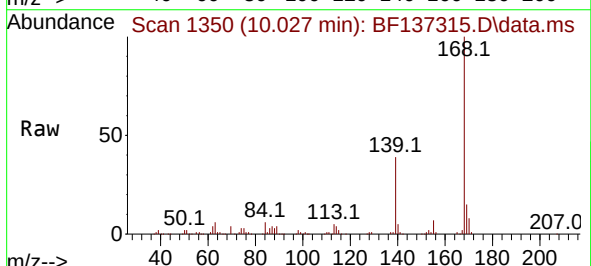
Tgt Ion:154 Resp: 107348
Ion Ratio Lower Upper
154 100
153 113.9 90.2 135.4
152 49.6 40.6 60.8

Manual Integrations
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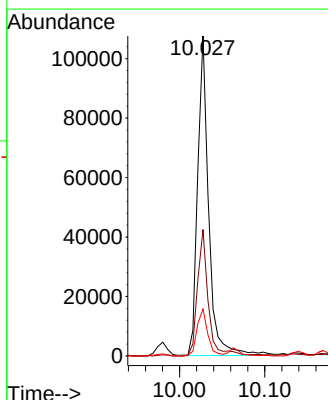
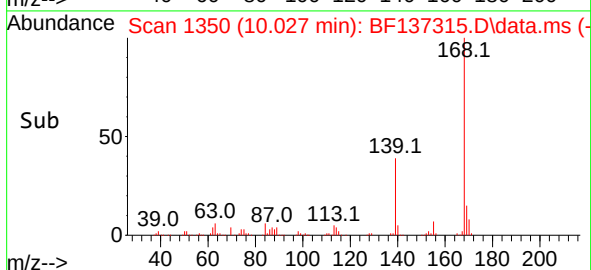
Reviewed By :Jagrut Upadhyay 02/08/2024
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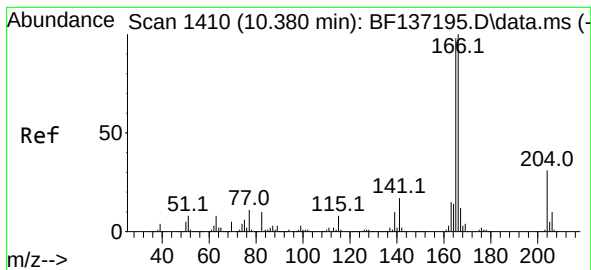


#55
Dibenzofuran
Concen: 8.877 ng
RT: 10.027 min Scan# 1350
Delta R.T. -0.006 min
Lab File: BF137315.D
Acq: 07 Feb 2024 12:18



Tgt Ion:168 Resp: 96726
Ion Ratio Lower Upper
168 100
139 39.5 31.1 46.7
169 14.6 10.6 16.0





#58

Fluorene

Concen: 15.080 ng

RT: 10.369 min Scan# 1410

Delta R.T. -0.012 min

Lab File: BF137315.D

Acq: 07 Feb 2024 12:18

Instrument :

BNA_F

ClientSampleId :

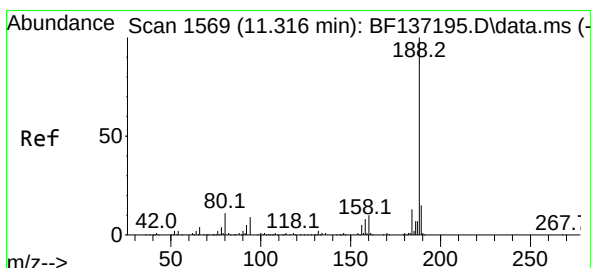
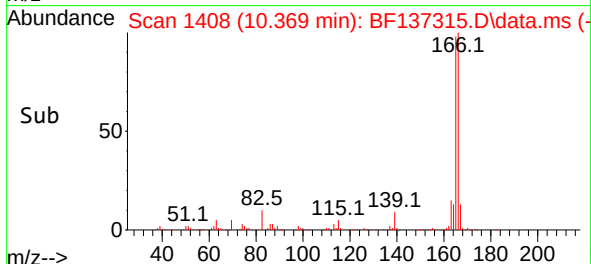
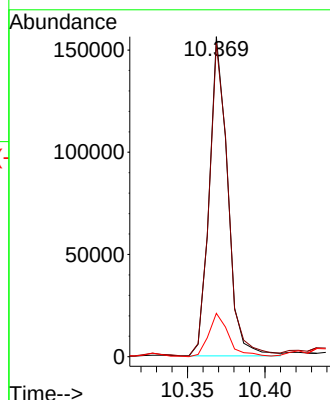
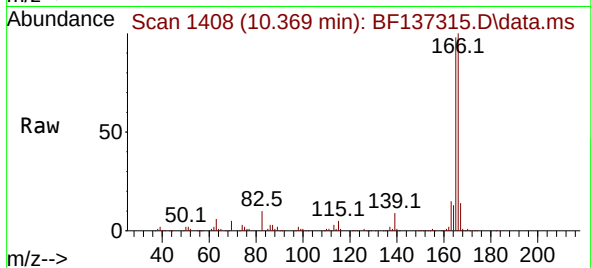
VNJ-214DL

Tgt Ion:166	Resp: 12880
Ion Ratio	Lower Upper
166	100
165	97.8 78.5 117.7
167	13.6 10.0 15.0

Manual Integrations

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#64

Phenanthrene-d10

Concen: 20.000 ng

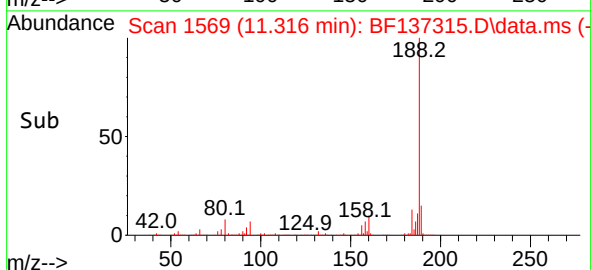
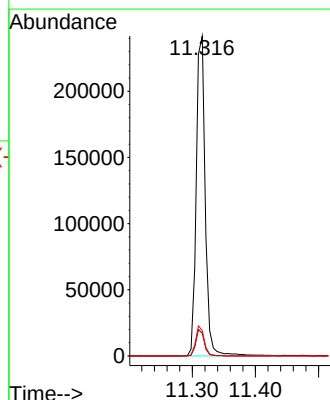
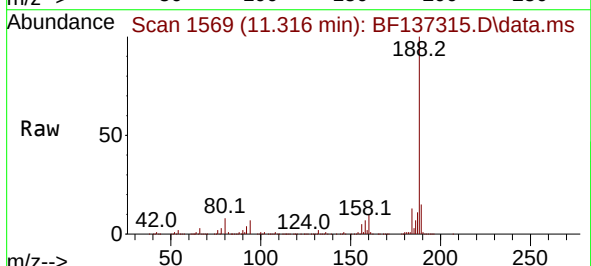
RT: 11.316 min Scan# 1569

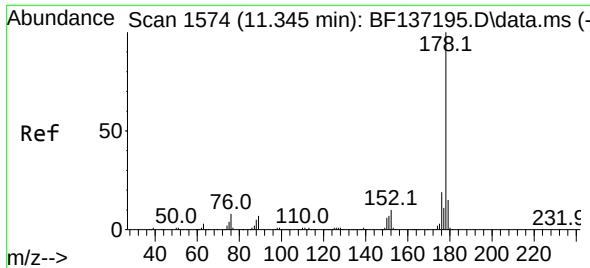
Delta R.T. -0.000 min

Lab File: BF137315.D

Acq: 07 Feb 2024 12:18

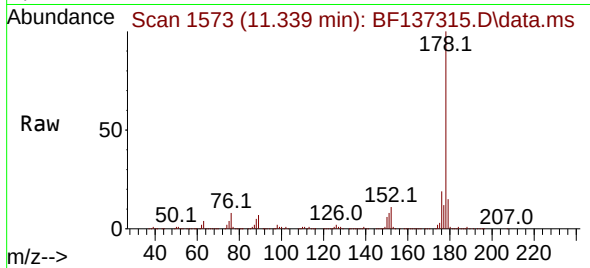
Tgt Ion:188	Resp: 238814
Ion Ratio	Lower Upper
188	100
94	7.1 7.0 10.4
80	7.9 8.8 13.2





#71
Phenanthrene
Concen: 42.092 ng
RT: 11.339 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF137315.D
Acq: 07 Feb 2024 12:18

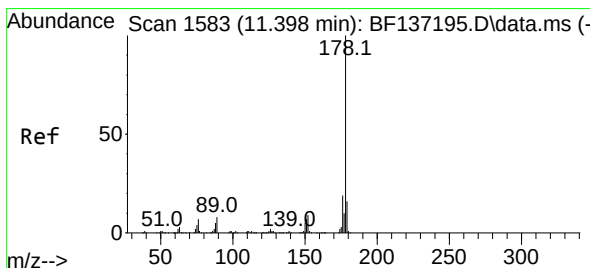
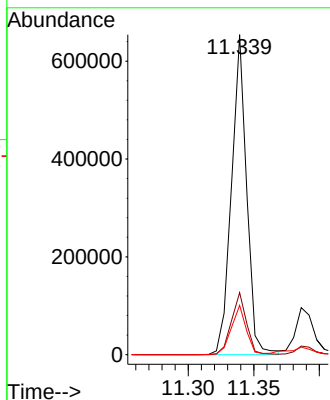
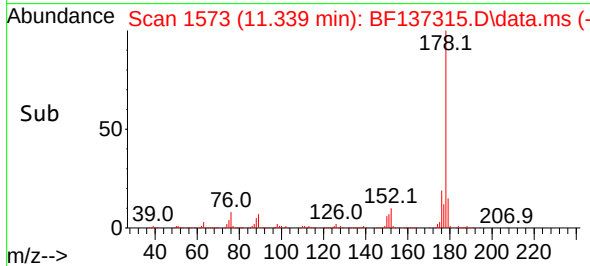
Instrument :
BNA_F
ClientSampleId :
VNJ-214DL



Tgt Ion:178 Resp: 52624
Ion Ratio Lower Upper
178 100
176 19.4 15.1 22.7
179 15.4 12.1 18.1

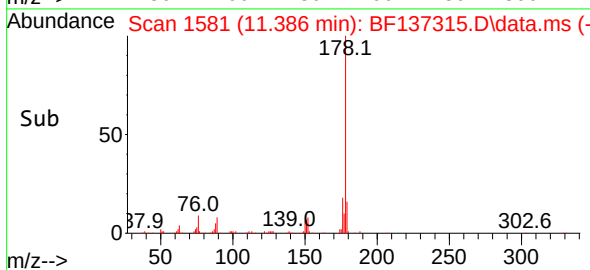
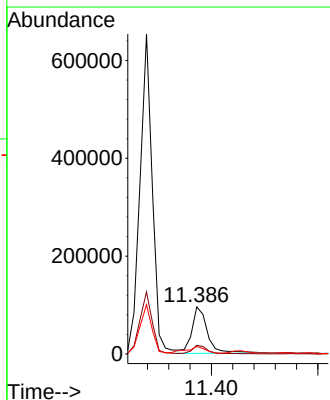
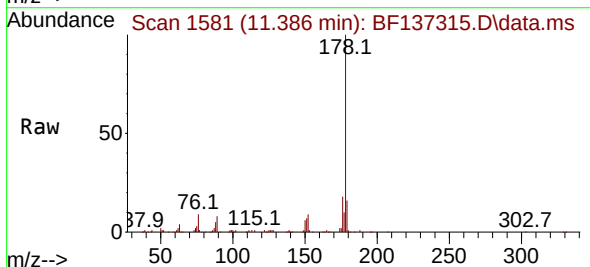
Manual Integrations
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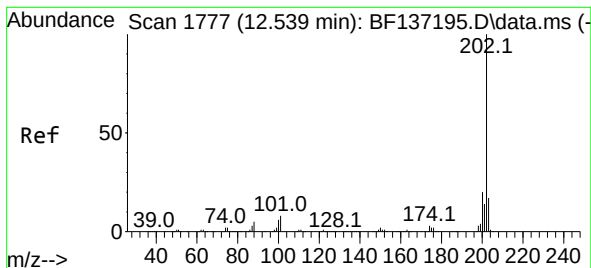
Reviewed By :Jagrut Upadhyay 02/08/2024
Supervised By :mohammad ahmed 02/09/2024



#72
Anthracene
Concen: 7.526 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF137315.D
Acq: 07 Feb 2024 12:18

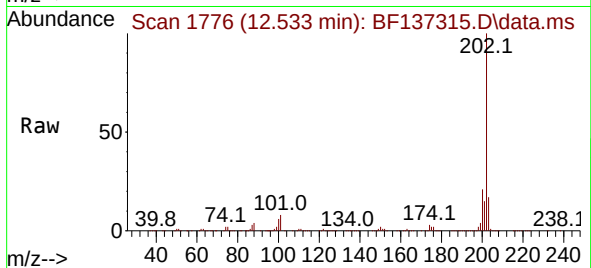
Tgt Ion:178 Resp: 98067
Ion Ratio Lower Upper
178 100
176 18.4 15.3 22.9
179 15.9 12.7 19.1





#75
Fluoranthene
Concen: 33.951 ng
RT: 12.533 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF137315.D
Acq: 07 Feb 2024 12:18

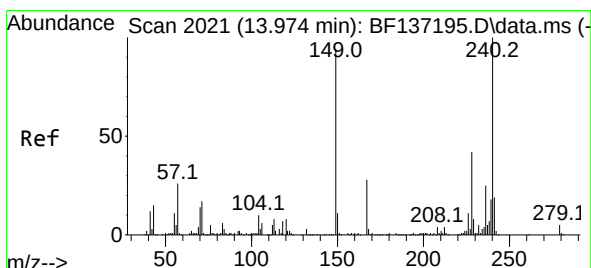
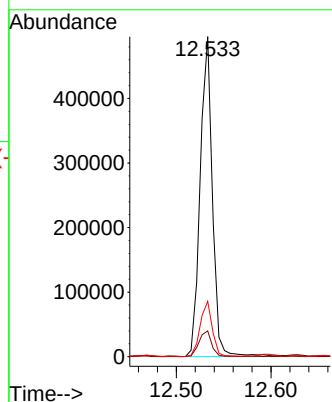
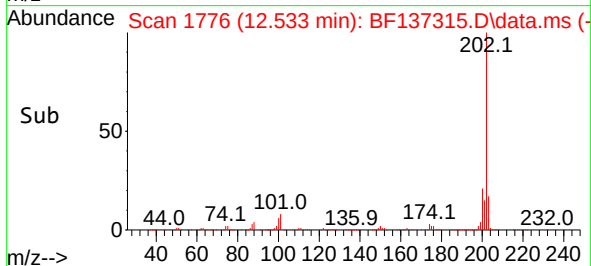
Instrument :
BNA_F
ClientSampleId :
VNJ-214DL



Tgt Ion:202 Resp: 444162
Ion Ratio Lower Upper
202 100
101 8.0 0.0 28.4
203 17.3 0.0 37.3

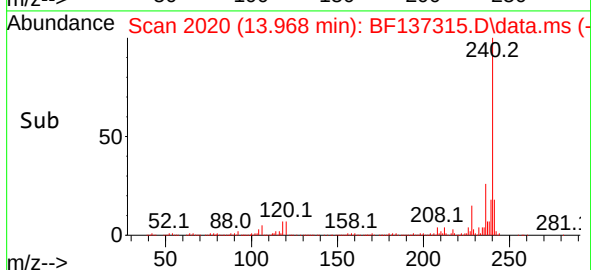
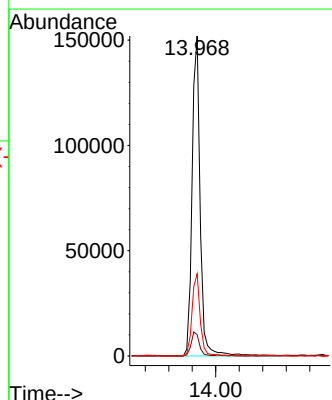
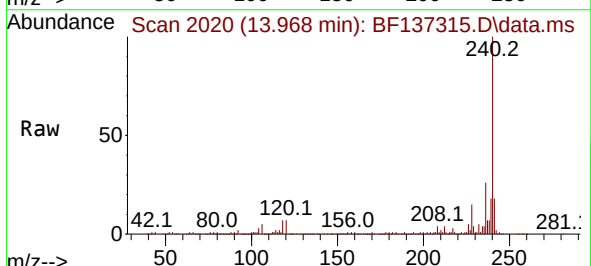
Manual Integrations
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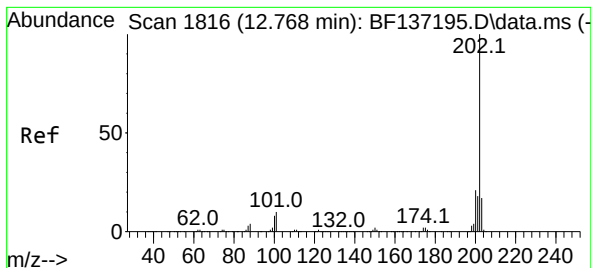
Reviewed By :Jagrut Upadhyay 02/08/2024
Supervised By :mohammad ahmed 02/09/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF137315.D
Acq: 07 Feb 2024 12:18

Tgt Ion:240 Resp: 144926
Ion Ratio Lower Upper
240 100
120 6.7 6.3 9.5
236 25.7 20.3 30.5





#78

Pyrene

Concen: 23.266 ng

RT: 12.763 min Scan# 1815

Delta R.T. -0.006 min

Lab File: BF137315.D

Acq: 07 Feb 2024 12:18

Instrument :

BNA_F

ClientSampleId :

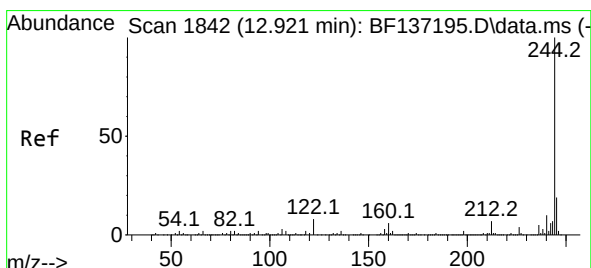
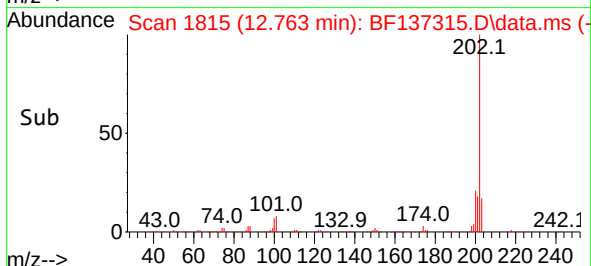
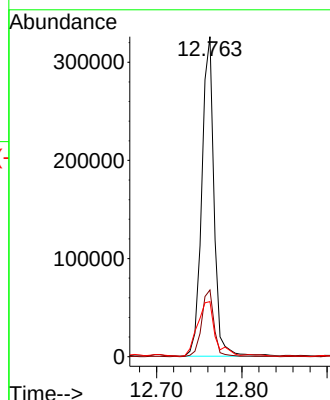
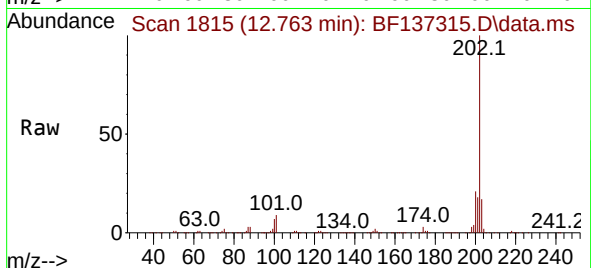
VNJ-214DL

Tgt Ion:202 Resp: 324034
 Ion Ratio Lower Upper
 202 100
 200 20.9 16.5 24.7
 203 17.2 13.8 20.6

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/08/2024
 Supervised By :mohammad ahmed 02/09/2024



#79

Terphenyl-d14

Concen: 38.924 ng

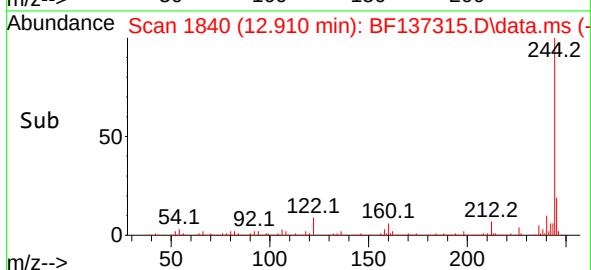
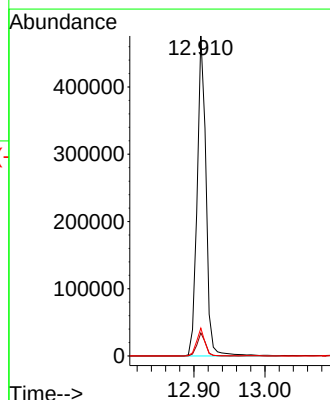
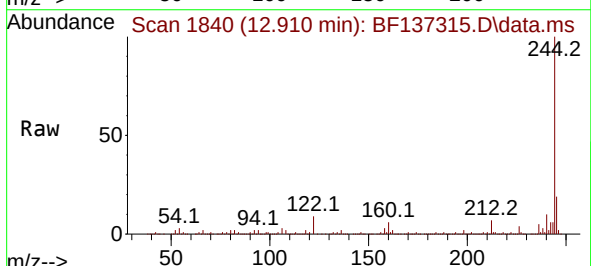
RT: 12.910 min Scan# 1840

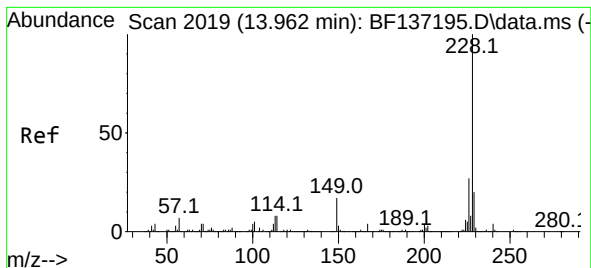
Delta R.T. -0.012 min

Lab File: BF137315.D

Acq: 07 Feb 2024 12:18

Tgt Ion:244 Resp: 414959
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.5 8.3
 122 8.7 6.2 9.4





#81

Benzo(a)anthracene

Concen: 10.923 ng

RT: 13.957 min Scan# 2019

Delta R.T. -0.006 min

Lab File: BF137315.D

Acq: 07 Feb 2024 12:18

Instrument :

BNA_F

ClientSampleId :

VNJ-214DL

Tgt Ion:228 Resp: 112114

Ion Ratio Lower Upper

228 100

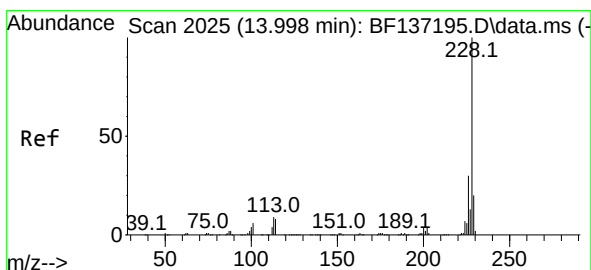
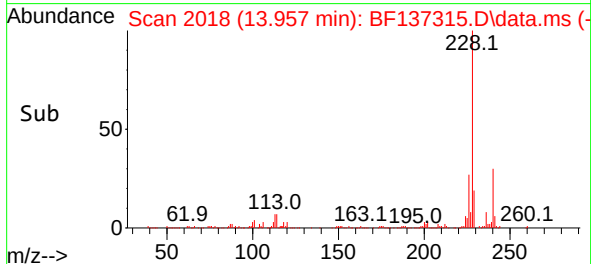
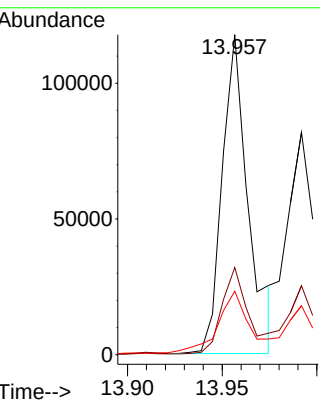
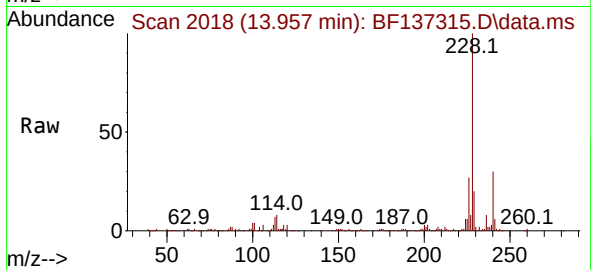
226 27.2 21.6 32.4

229 19.8 15.8 23.6

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/08/2024
Supervised By :mohammad ahmed 02/09/2024



#83

Chrysene

Concen: 8.521 ng

RT: 13.992 min Scan# 2024

Delta R.T. -0.006 min

Lab File: BF137315.D

Acq: 07 Feb 2024 12:18

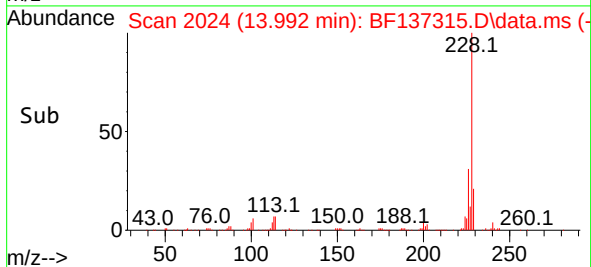
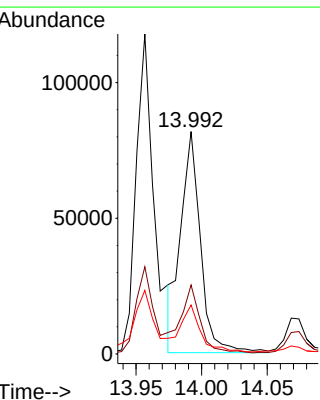
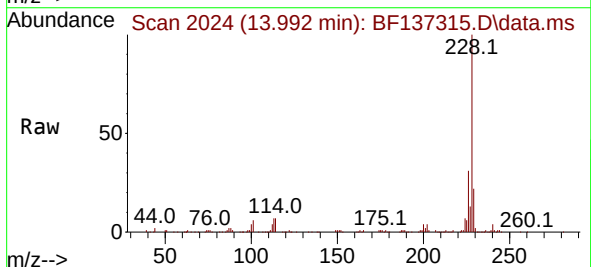
Tgt Ion:228 Resp: 85979

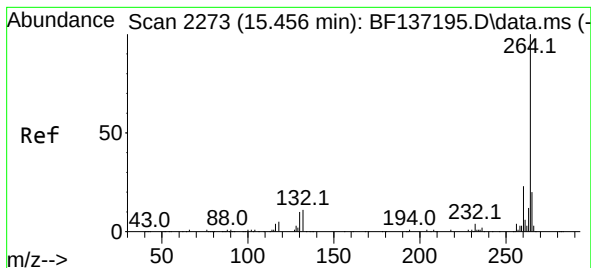
Ion Ratio Lower Upper

228 100

226 31.0 23.7 35.5

229 22.0 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.451 min Scan# 2198

Delta R.T. -0.006 min

Lab File: BF137315.D

Acq: 07 Feb 2024 12:18

Instrument :

BNA_F

ClientSampleId :

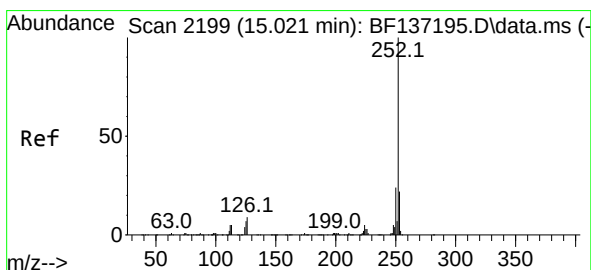
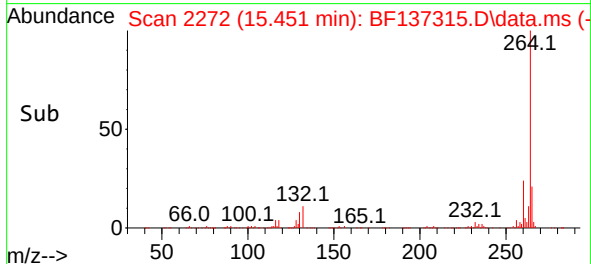
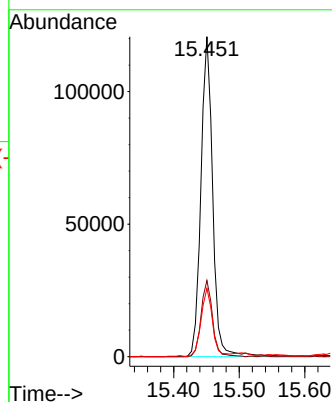
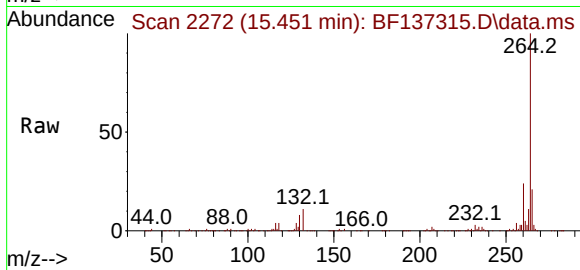
VNJ-214DL

Tgt Ion:264	Resp: 15118
Ion Ratio	Lower Upper
264	100
260	23.8 18.2 27.4
265	21.3 16.2 24.2

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/08/2024
Supervised By :mohammad ahmed 02/09/2024



#88

Benzo(b)fluoranthene

Concen: 8.413 ng m

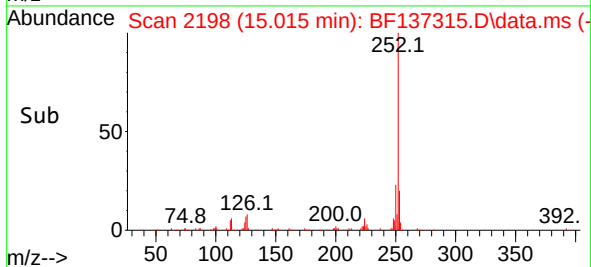
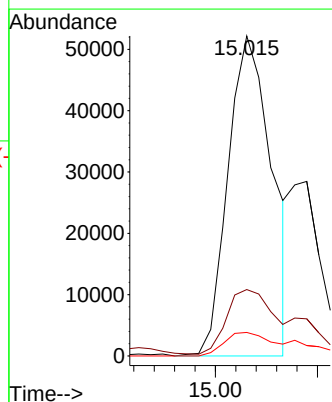
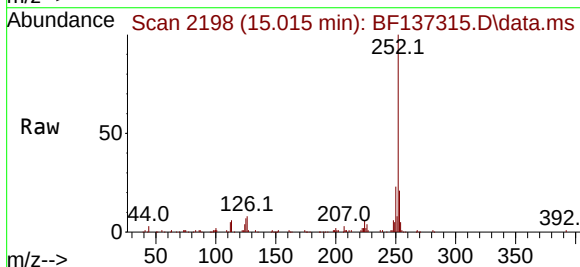
RT: 15.015 min Scan# 2198

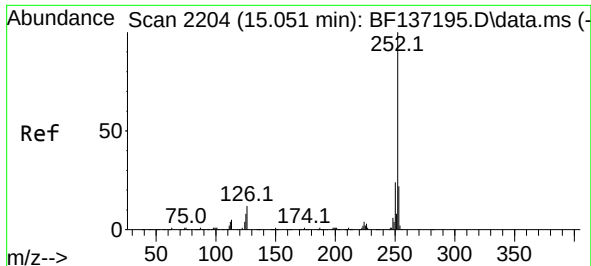
Delta R.T. -0.006 min

Lab File: BF137315.D

Acq: 07 Feb 2024 12:18

Tgt Ion:252	Resp: 78226
Ion Ratio	Lower Upper
252	100
253	20.7 17.9 26.9
125	7.3 5.4 8.2





#89

Benzo(k)fluoranthene

Concen: 3.254 ng m

RT: 15.045 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF137315.D

Acq: 07 Feb 2024 12:18

Instrument :

BNA_F

ClientSampleId :

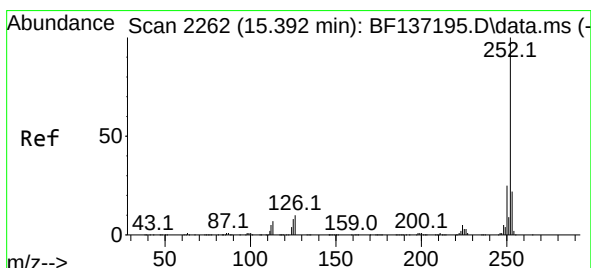
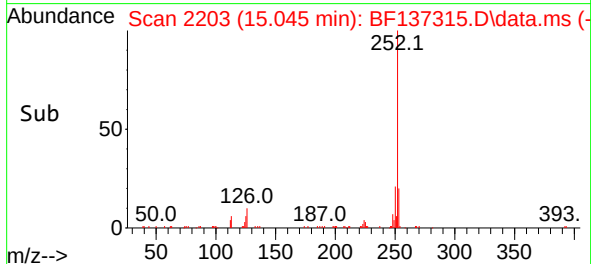
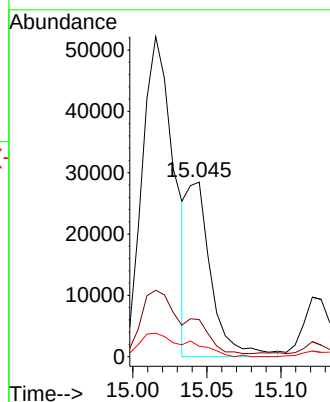
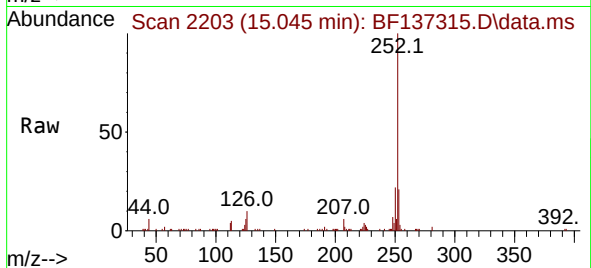
VNJ-214DL

Tgt Ion:252 Resp: 32008
 Ion Ratio Lower Upper
 252 100
 253 21.3 17.0 25.6
 125 6.0 5.9 8.9

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/08/2024
 Supervised By :mohammad ahmed 02/09/2024



#90

Benzo(a)pyrene

Concen: 5.283 ng

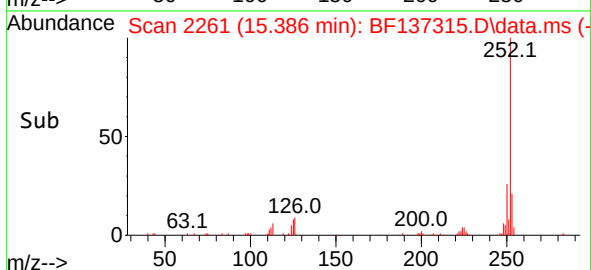
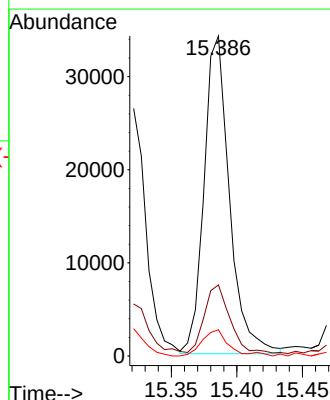
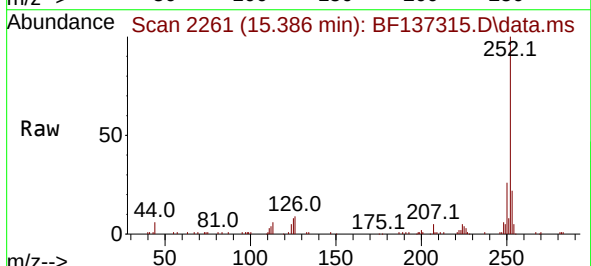
RT: 15.386 min Scan# 2261

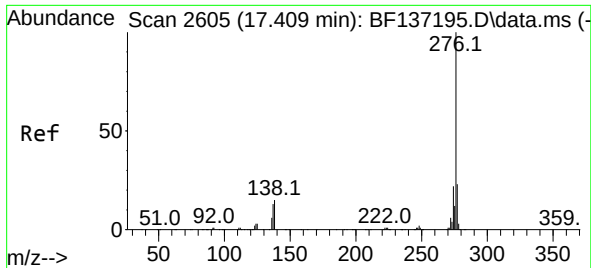
Delta R.T. -0.006 min

Lab File: BF137315.D

Acq: 07 Feb 2024 12:18

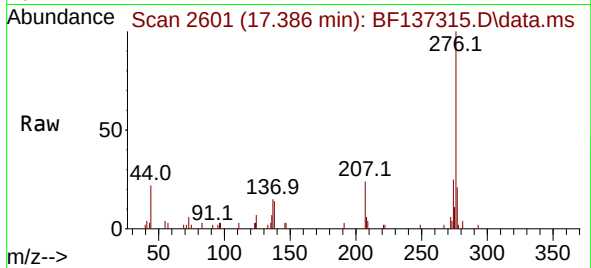
Tgt Ion:252 Resp: 46230
 Ion Ratio Lower Upper
 252 100
 253 22.2 17.8 26.6
 125 8.2 6.5 9.7





#92
 Benzo(g,h,i)perylene
 Concen: 2.256 ng
 RT: 17.386 min Scan# 20
 Delta R.T. -0.024 min
 Lab File: BF137315.D
 Acq: 07 Feb 2024 12:18

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-214DL



Tgt Ion:	276	Resp:	18849
Ion Ratio	Lower	Upper	
276	100		
277	21.4	18.4	27.6
138	14.2	11.8	17.8

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 02/08/2024
 Supervised By :mohammad ahmed 02/09/2024

