

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020524\
 Data File : BF137286.D
 Acq On : 05 Feb 2024 20:18
 Operator : CG\JU
 Sample : P1355-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-214

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 02/06/2024
 Supervised By :mohammad ahmed 02/07/2024

Quant Time: Feb 06 01:17:51 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	6.792	152	45073	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	160249	20.000	ng	0.00
39) Acenaphthene-d10	9.827	164	82667	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	160047	20.000	ng	0.00
76) Chrysene-d12	13.968	240	102373	20.000	ng	0.00
86) Perylene-d12	15.451	264	84949	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	362137	132.575	ng	0.02
7) Phenol-d6	6.428	99	450145	115.475	ng	0.00
23) Nitrobenzene-d5	7.351	82	287083	80.208	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	134670	144.248	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	481339	80.042	ng	0.00
79) Terphenyl-d14	12.916	244	644212	85.547	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.092	128	29648	3.422	ng	98
37) 2-Methylnaphthalene	8.780	142	34812	5.994	ng	99
38) 1-Methylnaphthalene	8.880	142	38317	7.103	ng	99
46) 1,1'-Biphenyl	9.245	154	28532	4.338	ng	98
52) Acenaphthene	9.857	154	141321	30.857	ng	99
55) Dibenzofuran	10.033	168	130521	17.913	ng	97
58) Fluorene	10.374	166	170106	29.780	ng	99
71) Phenanthrene	11.345	178	696425	83.119	ng	99
72) Anthracene	11.392	178	142352	16.300	ng	98
73) Carbazole	11.551	167	26368	3.613	ng	# 93
75) Fluoranthene	12.539	202	659755	75.250	ng	99
78) Pyrene	12.768	202	495169	50.332	ng	99
81) Benzo(a)anthracene	13.962	228	150615	20.774	ng	98
83) Chrysene	13.998	228	136137	19.099	ng	99
87) Indeno(1,2,3-cd)pyrene	16.945	276	20715	3.471	ng	97
88) Benzo(b)fluoranthene	15.015	252	101096m	19.351	ng	
89) Benzo(k)fluoranthene	15.045	252	29762m	5.385	ng	
90) Benzo(a)pyrene	15.386	252	55056	11.198	ng	99
92) Benzo(g,h,i)perylene	17.398	276	20403	4.347	ng	99

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

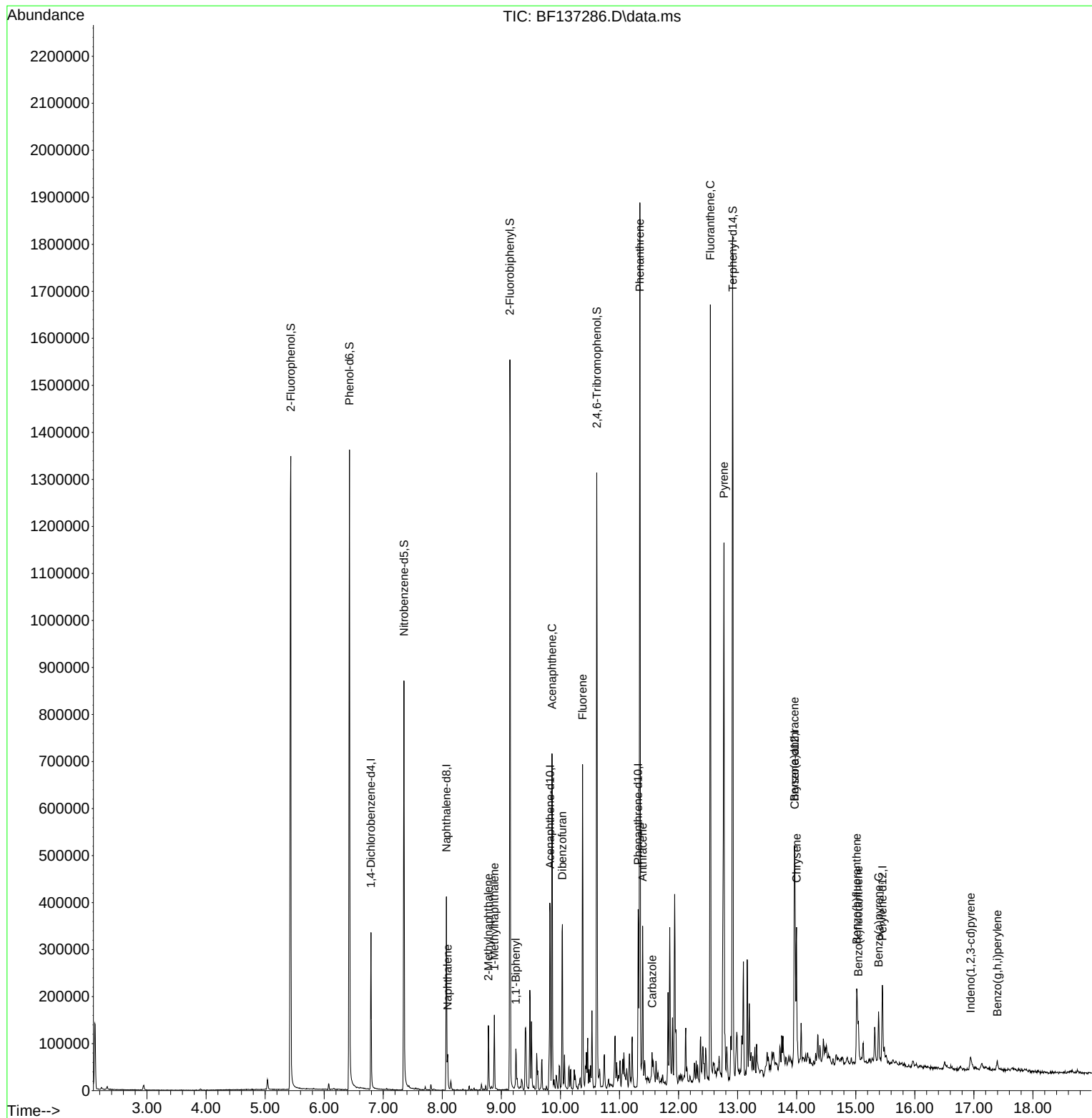
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020524\
Data File : BF137286.D
Acq On : 05 Feb 2024 20:18
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Misc :
ALS Vial : 18 Sample Multiplier: 1

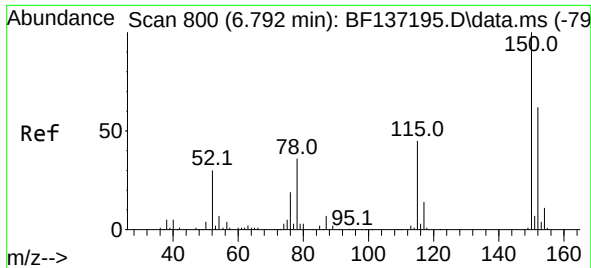
Instrument :
BNA_F
ClientSampleId :
VNJ-214

Quant Time: Feb 06 01:17:51 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

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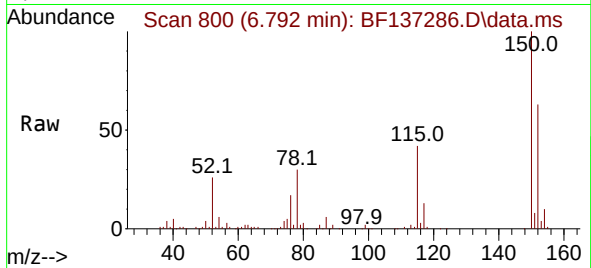
Reviewed By :Jagrut Upadhyay 02/06/2024
Supervised By :mohammad ahmed 02/07/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF137286.D
Acq: 05 Feb 2024 20:18

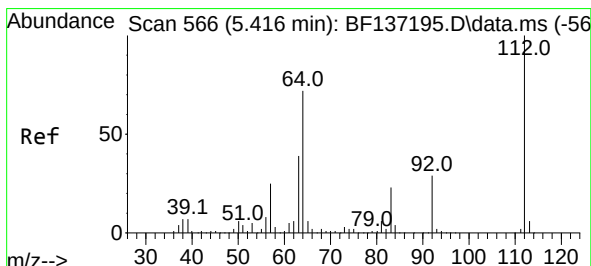
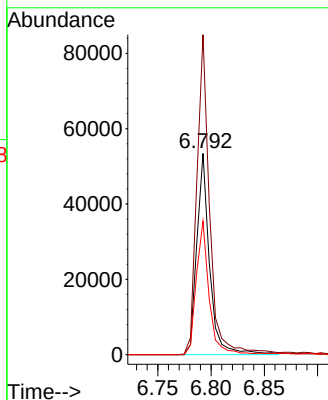
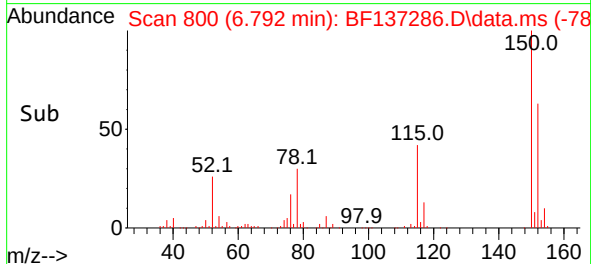
Instrument :
BNA_F
ClientSampleId :
VNJ-214



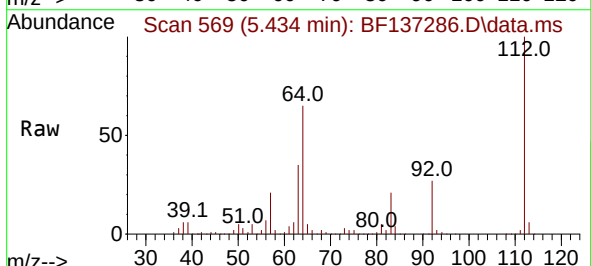
Tgt Ion:152 Resp: 4507
Ion Ratio Lower Upper
152 100
150 158.9 129.8 194.8
115 66.3 58.5 87.7

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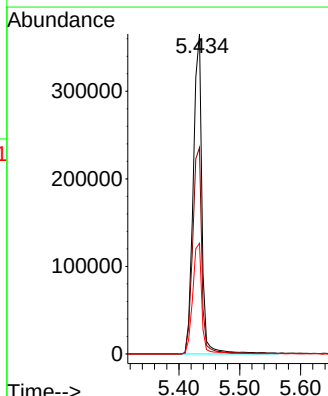
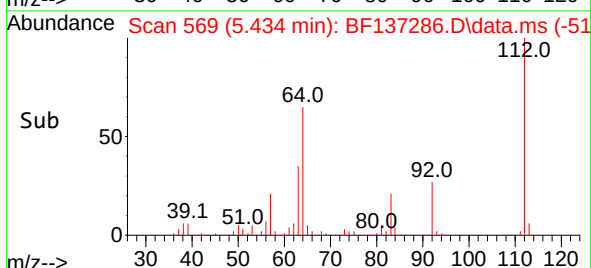
Reviewed By :Jagrut Upadhyay 02/06/2024
Supervised By :mohammad ahmed 02/07/2024

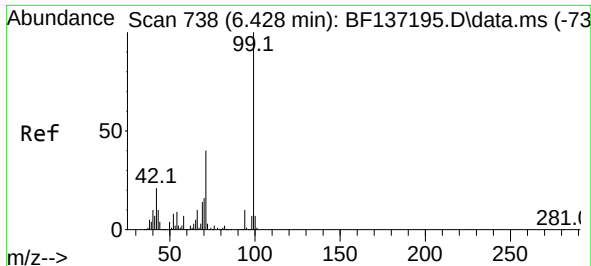


#5
2-Fluorophenol
Concen: 132.575 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.018 min
Lab File: BF137286.D
Acq: 05 Feb 2024 20:18



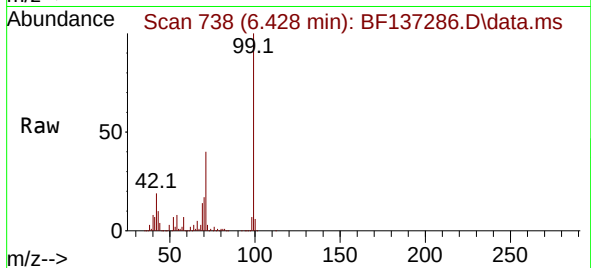
Tgt Ion:112 Resp: 362137
Ion Ratio Lower Upper
112 100
64 64.5 57.8 86.6
63 34.6 31.4 47.0





#7
Phenol-d6
Concen: 115.475 ng
RT: 6.428 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF137286.D
Acq: 05 Feb 2024 20:18

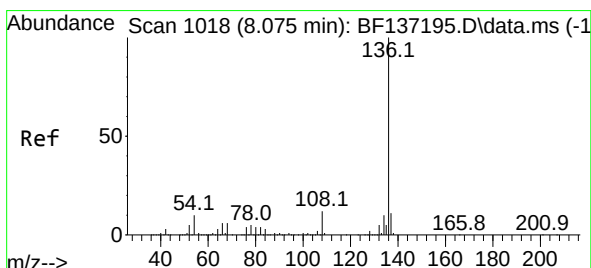
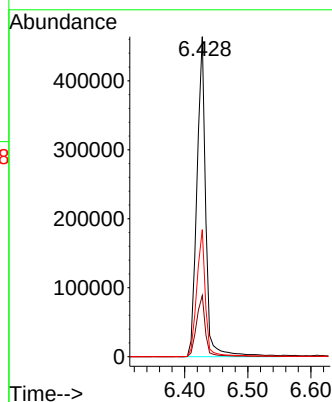
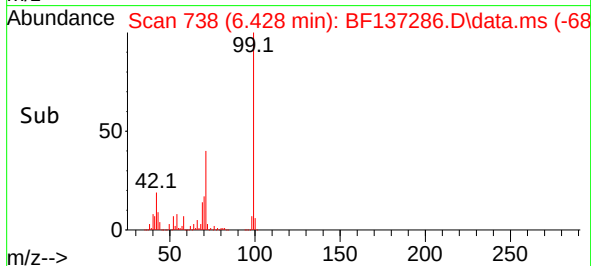
Instrument :
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ClientSampleId :
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Tgt Ion: 99 Resp: 450149
Ion Ratio Lower Upper
99 100
42 19.1 16.4 24.6
71 39.7 32.4 48.6

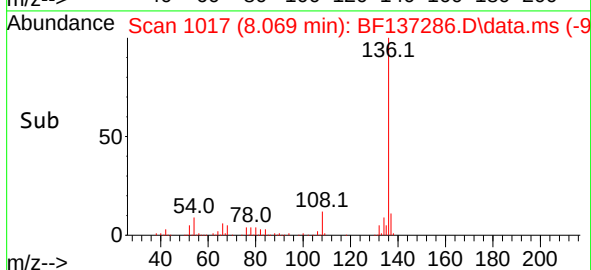
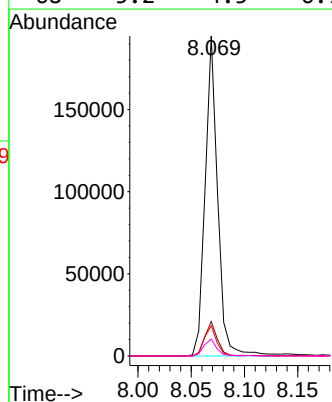
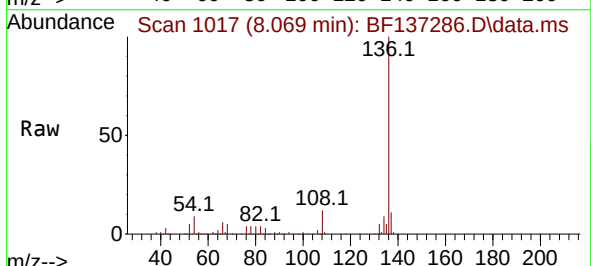
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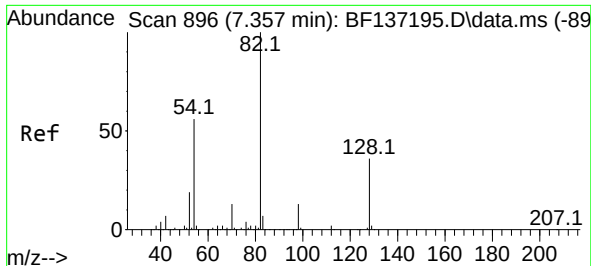
Reviewed By :Jagrut Upadhyay 02/06/2024
Supervised By :mohammad ahmed 02/07/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF137286.D
Acq: 05 Feb 2024 20:18

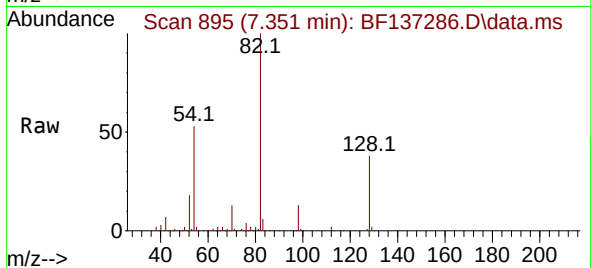
Tgt Ion:136 Resp: 160249
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 9.4 7.8 11.8
68 5.2 4.5 6.7





#23
Nitrobenzene-d5
Concen: 80.208 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.006 min
Lab File: BF137286.D
Acq: 05 Feb 2024 20:18

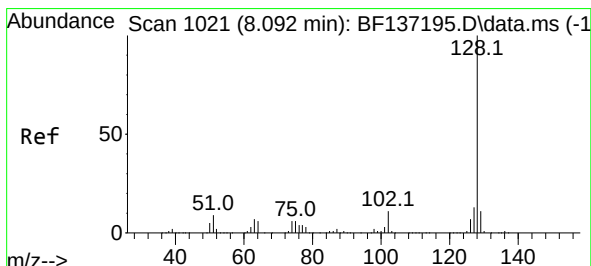
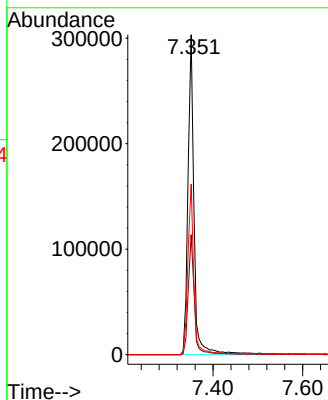
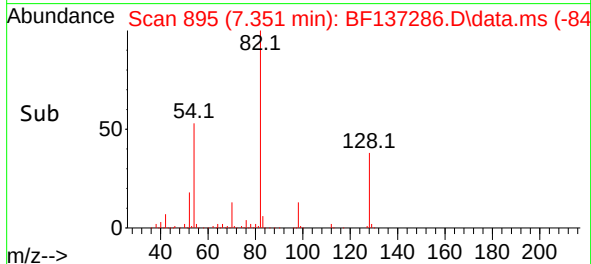
Instrument :
BNA_F
ClientSampleId :
VNJ-214



Tgt Ion: 82 Resp: 287083
Ion Ratio Lower Upper
82 100
128 37.5 29.1 43.7
54 53.3 45.0 67.6

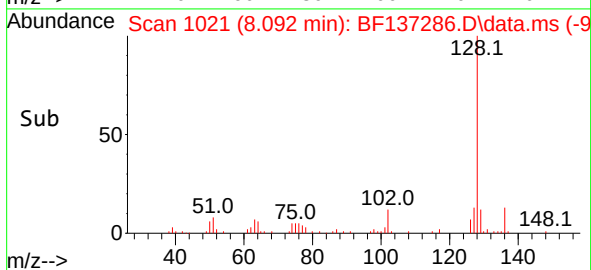
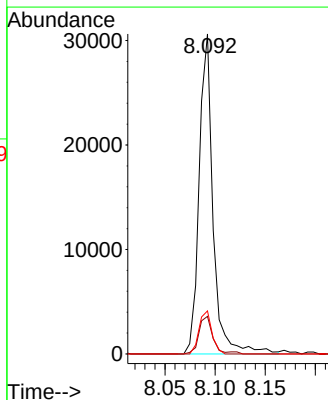
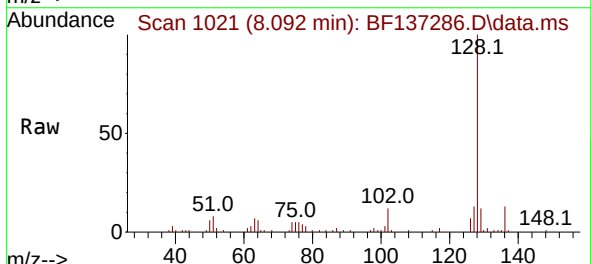
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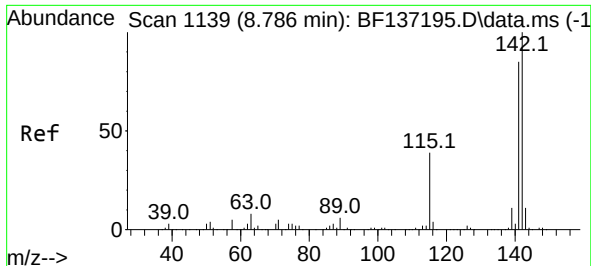
Reviewed By :Jagrut Upadhyay 02/06/2024
Supervised By :mohammad ahmed 02/07/2024



#31
Naphthalene
Concen: 3.422 ng
RT: 8.092 min Scan# 1021
Delta R.T. 0.000 min
Lab File: BF137286.D
Acq: 05 Feb 2024 20:18

Tgt Ion:128 Resp: 29648
Ion Ratio Lower Upper
128 100
129 11.8 8.5 12.7
127 13.4 10.5 15.7





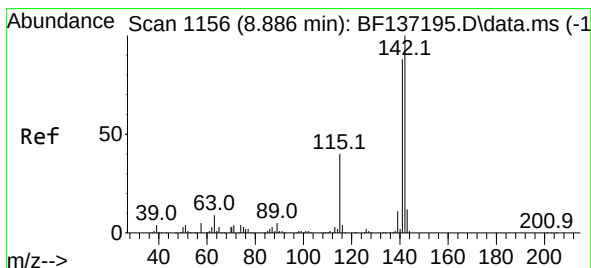
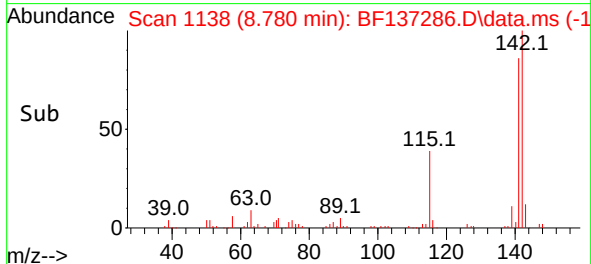
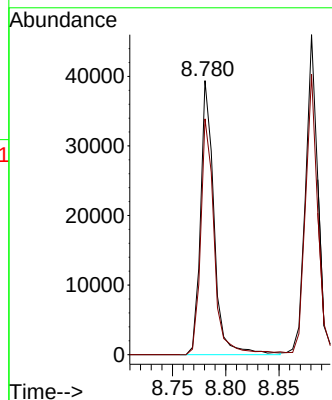
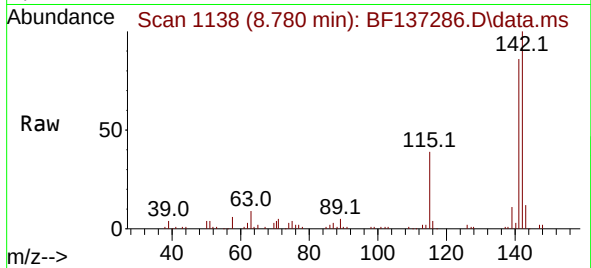
#37
2-Methylnaphthalene
Concen: 5.994 ng
RT: 8.780 min Scan# 1139
Delta R.T. -0.006 min
Lab File: BF137286.D
Acq: 05 Feb 2024 20:18

Instrument :
BNA_F
ClientSampleId :
VNJ-214

Tgt Ion:142 Resp: 34812
Ion Ratio Lower Upper
142 100
141 86.0 67.8 101.8

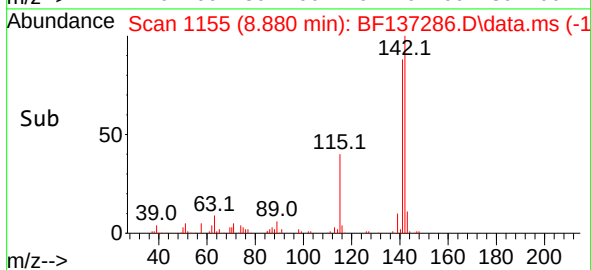
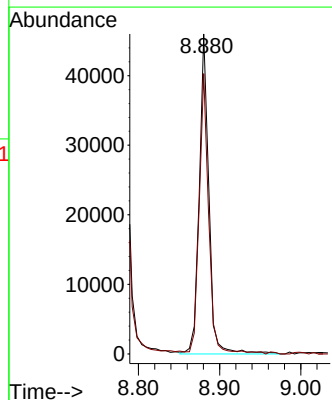
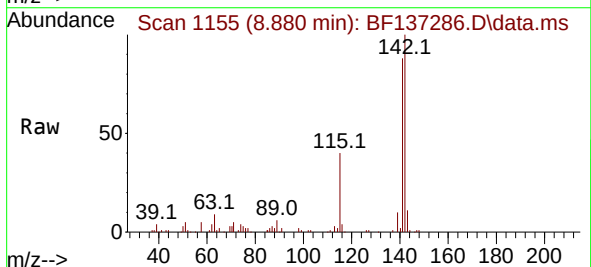
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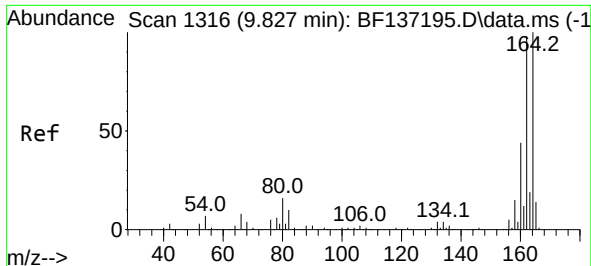
Reviewed By :Jagrut Upadhyay 02/06/2024
Supervised By :mohammad ahmed 02/07/2024



#38
1-Methylnaphthalene
Concen: 7.103 ng
RT: 8.880 min Scan# 1155
Delta R.T. -0.006 min
Lab File: BF137286.D
Acq: 05 Feb 2024 20:18

Tgt Ion:142 Resp: 38317
Ion Ratio Lower Upper
142 100
141 87.6 70.6 105.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.827 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF137286.D

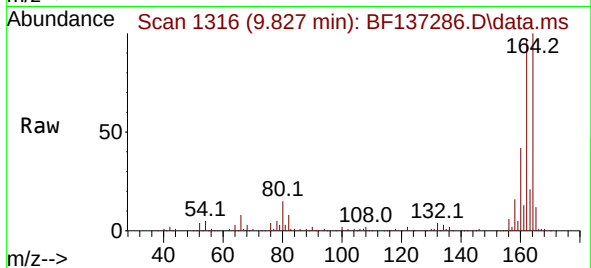
Acq: 05 Feb 2024 20:18

Instrument :

BNA_F

ClientSampleId :

VNJ-214

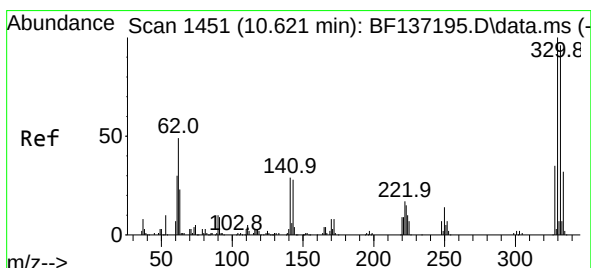
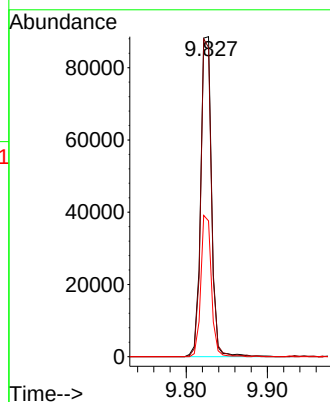
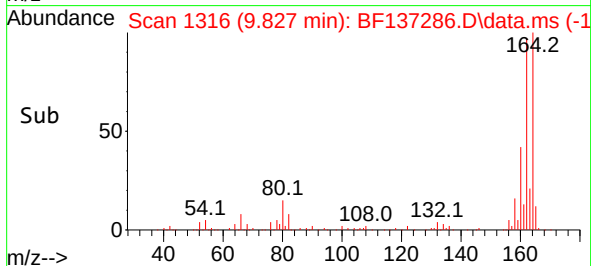


Tgt Ion:164	Resp:	8266	
Ion Ratio	Lower	Upper	
164	100		
162	96.6	78.3	117.5
160	42.4	35.4	53.2

Manual Integrations

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#42

2,4,6-Tribromophenol

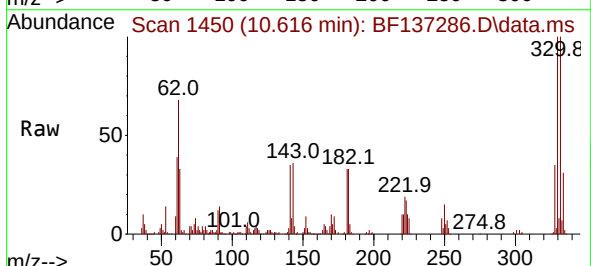
Concen: 144.248 ng

RT: 10.616 min Scan# 1450

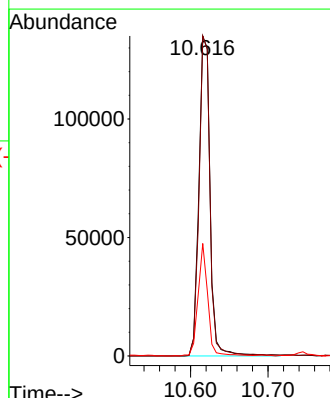
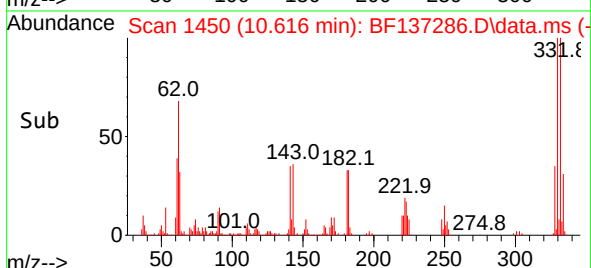
Delta R.T. -0.006 min

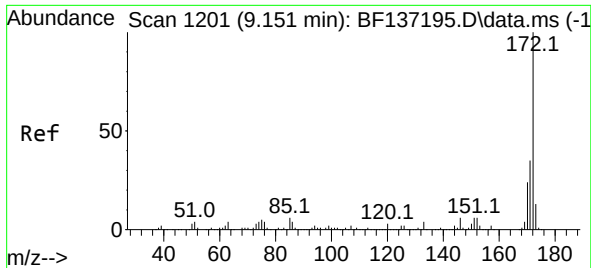
Lab File: BF137286.D

Acq: 05 Feb 2024 20:18



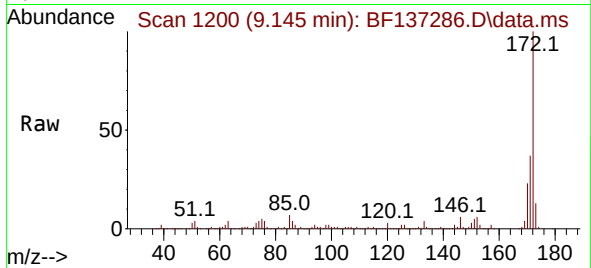
Tgt Ion:330	Resp:	134670	
Ion Ratio	Lower	Upper	
330	100		
332	96.9	77.3	115.9
141	30.7	25.2	37.8





#45
2-Fluorobiphenyl
Concen: 80.042 ng
RT: 9.145 min Scan# 1200
Delta R.T. -0.006 min
Lab File: BF137286.D
Acq: 05 Feb 2024 20:18

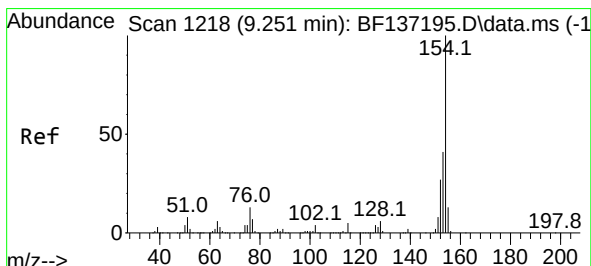
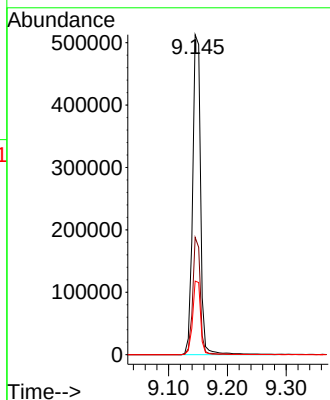
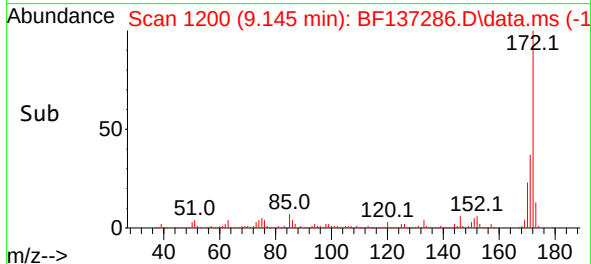
Instrument :
BNA_F
ClientSampleId :
VNJ-214



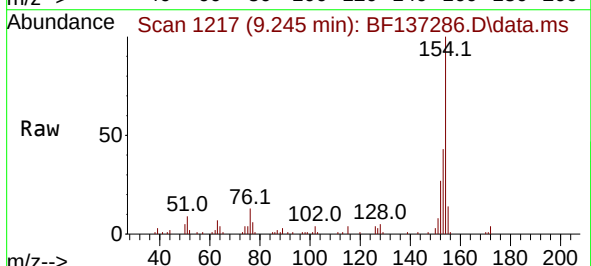
Tgt Ion:172 Resp: 481339
Ion Ratio Lower Upper
172 100
171 36.7 28.3 42.5
170 23.0 19.1 28.7

Manual Integrations
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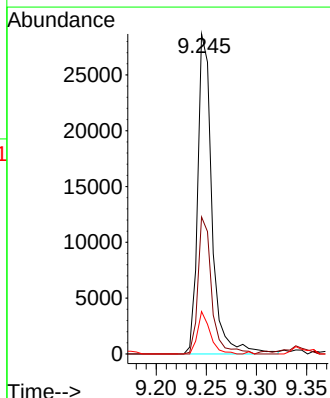
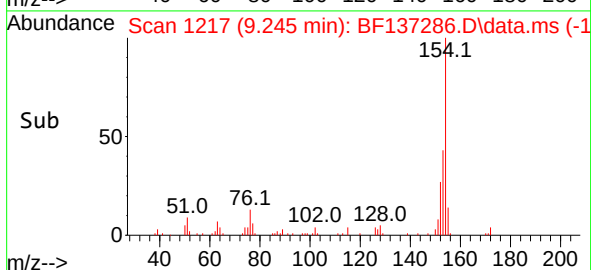
Reviewed By :Jagrut Upadhyay 02/06/2024
Supervised By :mohammad ahmed 02/07/2024

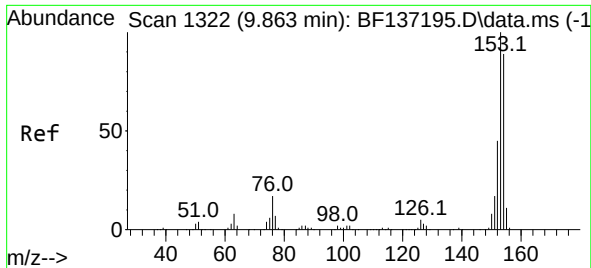


#46
1,1'-Biphenyl
Concen: 4.338 ng
RT: 9.245 min Scan# 1217
Delta R.T. -0.006 min
Lab File: BF137286.D
Acq: 05 Feb 2024 20:18



Tgt Ion:154 Resp: 28532
Ion Ratio Lower Upper
154 100
153 42.8 21.2 61.2
76 13.3 0.0 33.0





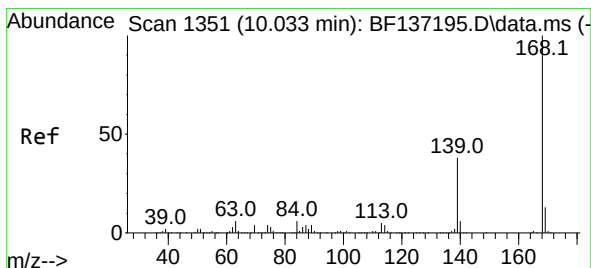
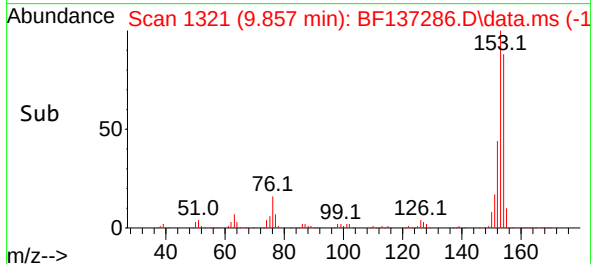
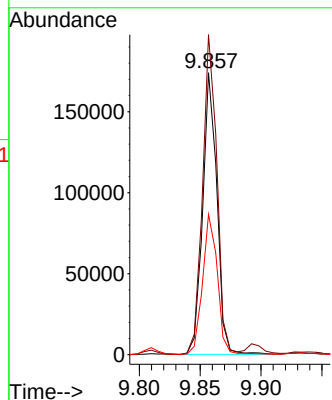
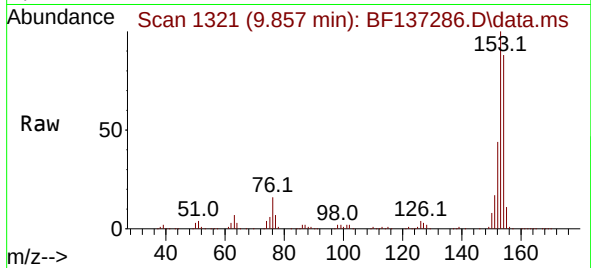
#52
Acenaphthene
Concen: 30.857 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF137286.D
Acq: 05 Feb 2024 20:18

Instrument :
BNA_F
ClientSampleId :
VNJ-214

Tgt Ion:154 Resp: 14132
Ion Ratio Lower Upper
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153 113.5 90.2 135.4
152 49.8 40.6 60.8

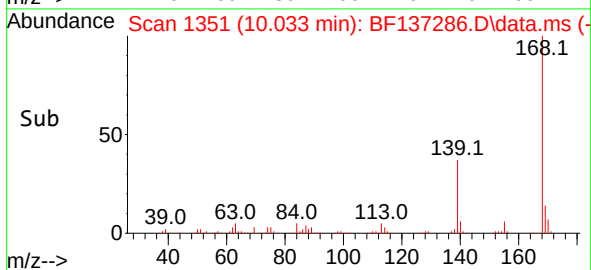
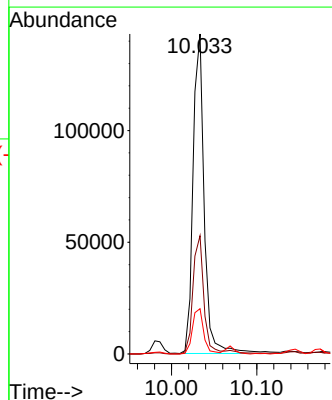
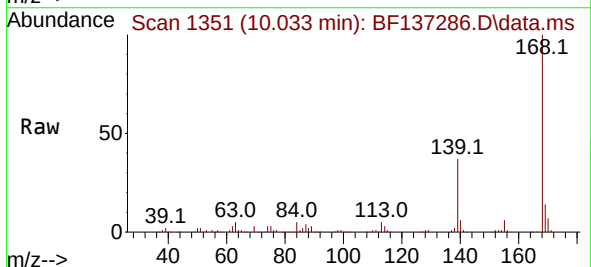
Manual Integrations
APPROVED

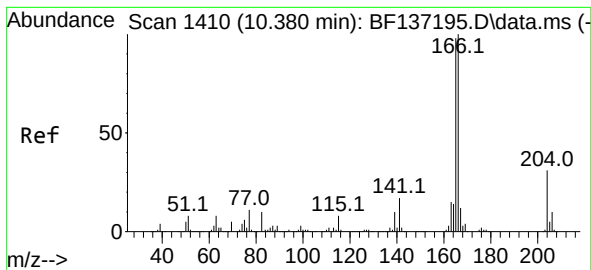
Reviewed By :Jagrut Upadhyay 02/06/2024
Supervised By :mohammad ahmed 02/07/2024



#55
Dibenzofuran
Concen: 17.913 ng
RT: 10.033 min Scan# 1351
Delta R.T. 0.000 min
Lab File: BF137286.D
Acq: 05 Feb 2024 20:18

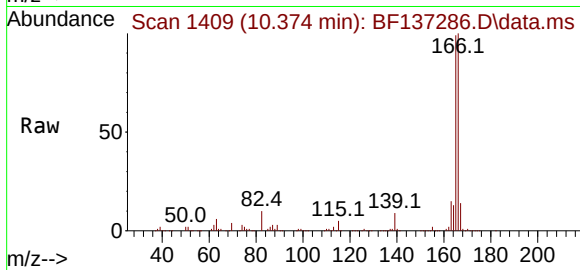
Tgt Ion:168 Resp: 130521
Ion Ratio Lower Upper
168 100
139 37.0 31.1 46.7
169 14.2 10.6 16.0





#58
Fluorene
Concen: 29.780 ng
RT: 10.374 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF137286.D
Acq: 05 Feb 2024 20:18

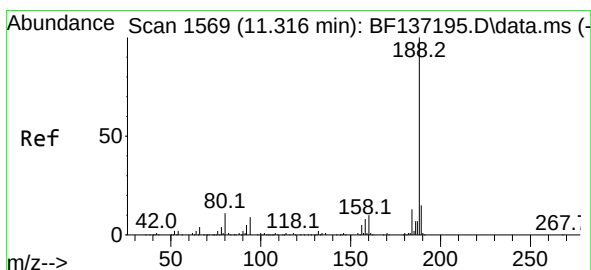
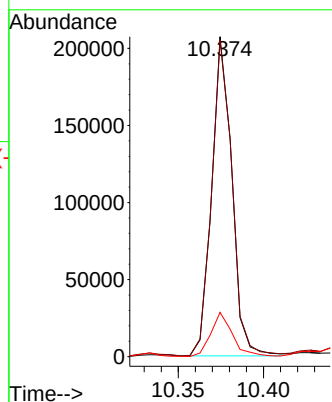
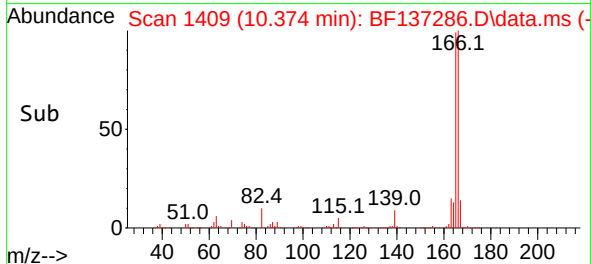
Instrument :
BNA_F
ClientSampleId :
VNJ-214



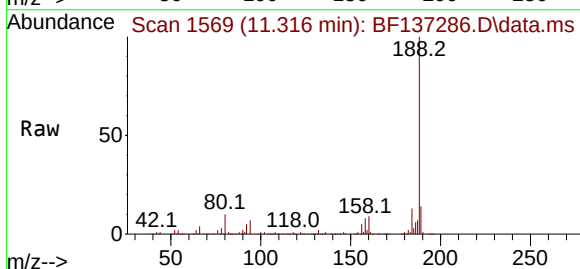
Tgt Ion:166 Resp: 170100
Ion Ratio Lower Upper
166 100
165 99.0 78.5 117.7
167 13.9 10.0 15.0

Manual Integrations
APPROVED

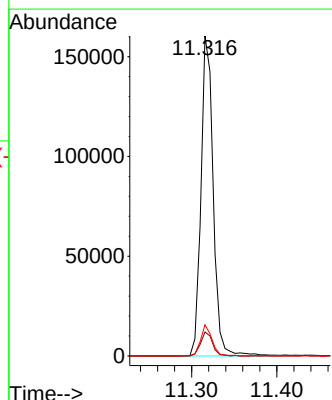
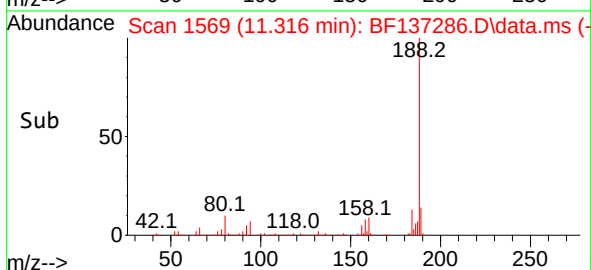
Reviewed By :Jagrut Upadhyay 02/06/2024
Supervised By :mohammad ahmed 02/07/2024

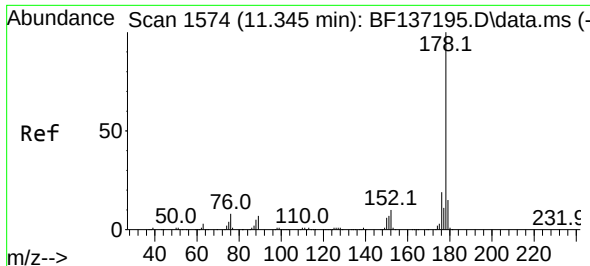


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.000 min
Lab File: BF137286.D
Acq: 05 Feb 2024 20:18



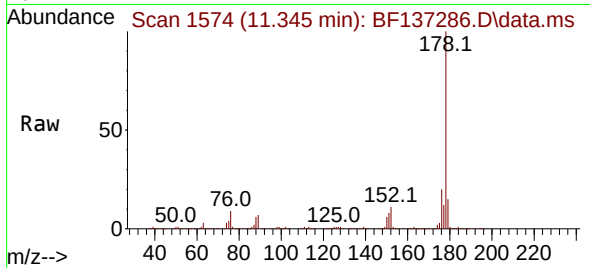
Tgt Ion:188 Resp: 160047
Ion Ratio Lower Upper
188 100
94 7.5 7.0 10.4
80 9.7 8.8 13.2





#71
Phenanthrene
Concen: 83.119 ng
RT: 11.345 min Scan# 1574
Delta R.T. 0.000 min
Lab File: BF137286.D
Acq: 05 Feb 2024 20:18

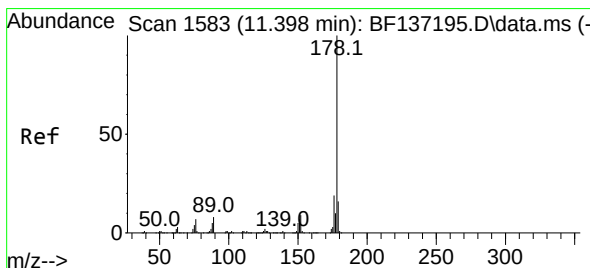
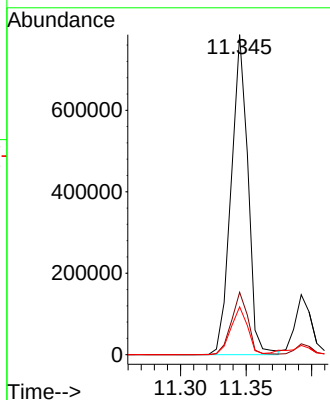
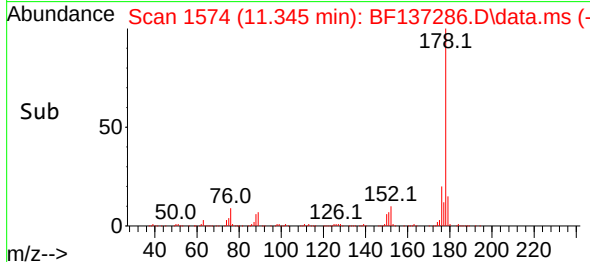
Instrument :
BNA_F
ClientSampleId :
VNJ-214



Tgt Ion:178 Resp: 696429
Ion Ratio Lower Upper
178 100
176 19.5 15.1 22.7
179 15.0 12.1 18.1

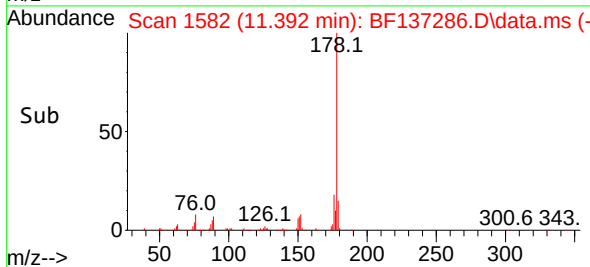
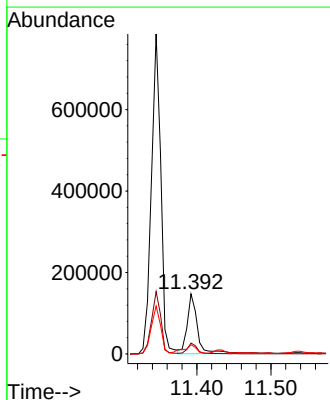
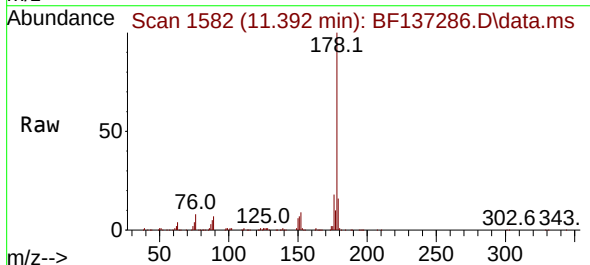
Manual Integrations
APPROVED

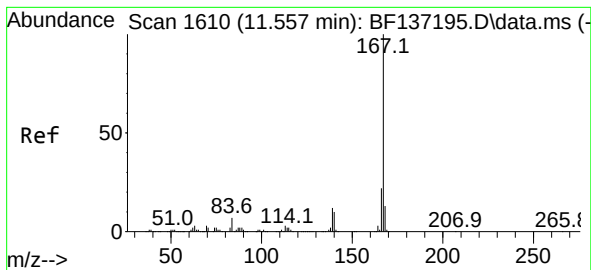
Reviewed By :Jagrut Upadhyay 02/06/2024
Supervised By :mohammad ahmed 02/07/2024



#72
Anthracene
Concen: 16.300 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF137286.D
Acq: 05 Feb 2024 20:18

Tgt Ion:178 Resp: 142352
Ion Ratio Lower Upper
178 100
176 18.1 15.3 22.9
179 15.6 12.7 19.1





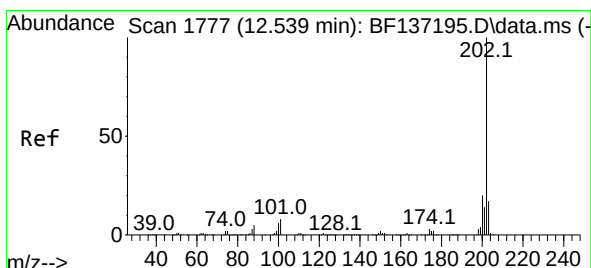
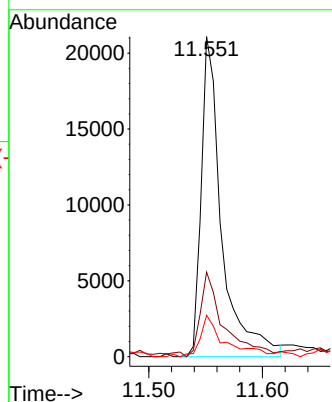
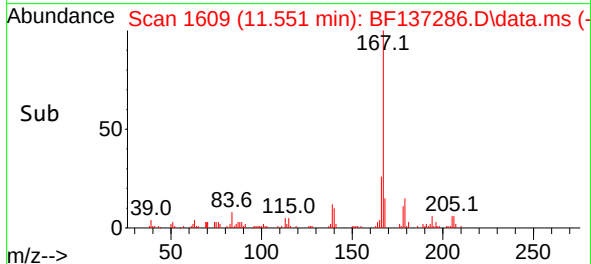
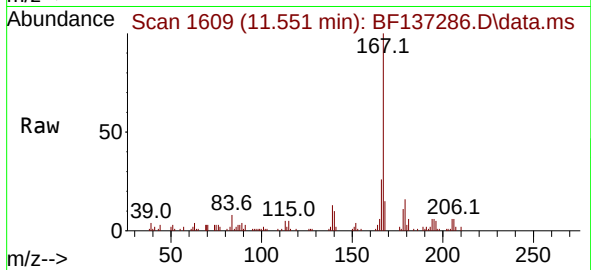
#73
 Carbazole
 Concen: 3.613 ng
 RT: 11.551 min Scan# 1609
 Delta R.T. -0.006 min
 Lab File: BF137286.D
 Acq: 05 Feb 2024 20:18

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-214

Tgt Ion:167 Resp: 26368
 Ion Ratio Lower Upper
 167 100
 166 26.4 17.6 26.4
 139 12.9 9.7 14.5

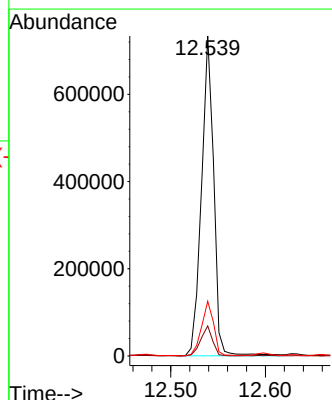
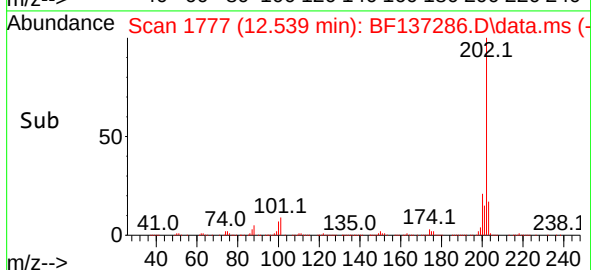
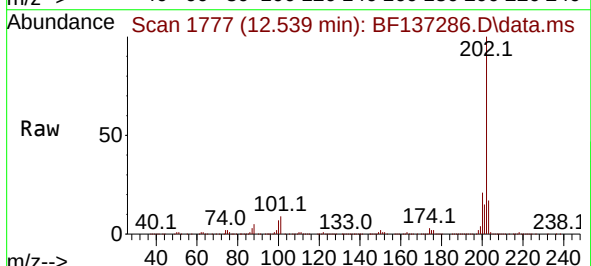
Manual Integrations
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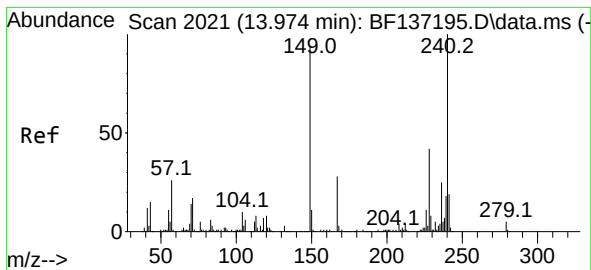
Reviewed By :Jagrut Upadhyay 02/06/2024
 Supervised By :mohammad ahmed 02/07/2024



#75
 Fluoranthene
 Concen: 75.250 ng
 RT: 12.539 min Scan# 1777
 Delta R.T. 0.000 min
 Lab File: BF137286.D
 Acq: 05 Feb 2024 20:18

Tgt Ion:202 Resp: 659755
 Ion Ratio Lower Upper
 202 100
 101 9.4 0.0 28.4
 203 17.1 0.0 37.3





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.968 min Scan# 2021

Delta R.T. -0.006 min

Lab File: BF137286.D

Acq: 05 Feb 2024 20:18

Instrument :

BNA_F

ClientSampleId :

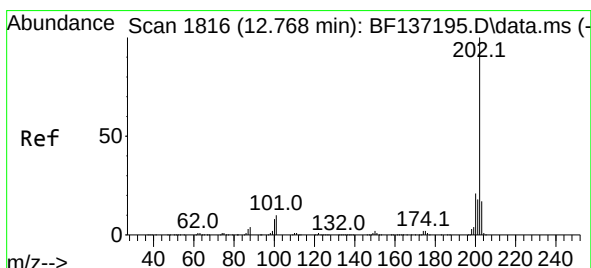
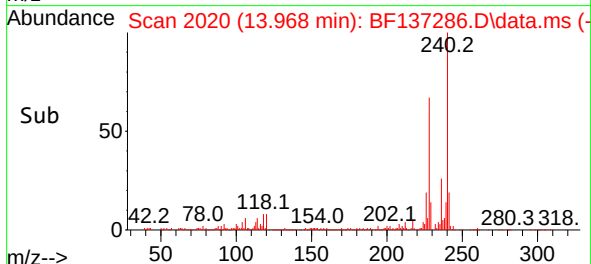
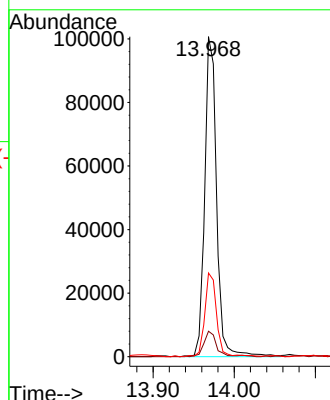
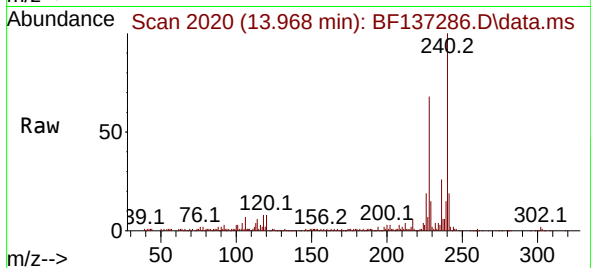
VNJ-214

Tgt Ion:240 Resp: 10237
 Ion Ratio Lower Upper
 240 100
 120 7.9 6.3 9.5
 236 26.1 20.3 30.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/06/2024
 Supervised By :mohammad ahmed 02/07/2024



#78

Pyrene

Concen: 50.332 ng

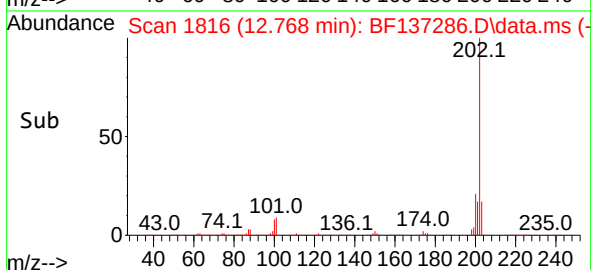
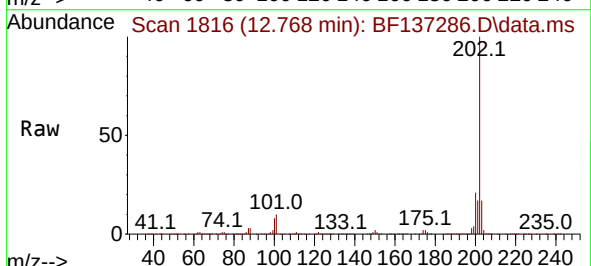
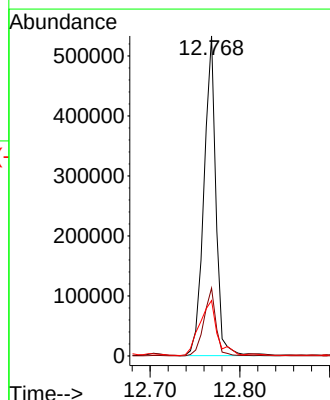
RT: 12.768 min Scan# 1816

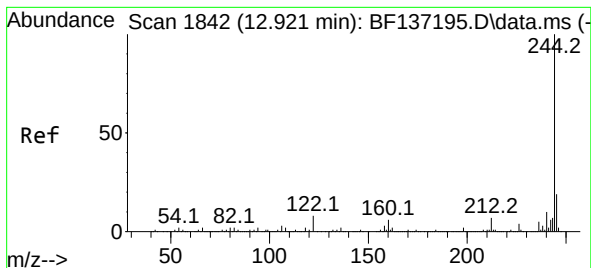
Delta R.T. 0.000 min

Lab File: BF137286.D

Acq: 05 Feb 2024 20:18

Tgt Ion:202 Resp: 495169
 Ion Ratio Lower Upper
 202 100
 200 21.2 16.5 24.7
 203 17.3 13.8 20.6





#79

Terphenyl-d14

Concen: 85.547 ng

RT: 12.916 min Scan# 1842

Delta R.T. -0.006 min

Lab File: BF137286.D

Acq: 05 Feb 2024 20:18

Instrument :

BNA_F

ClientSampleId :

VNJ-214

Tgt Ion:244 Resp: 64421

Ion Ratio Lower Upper

244 100

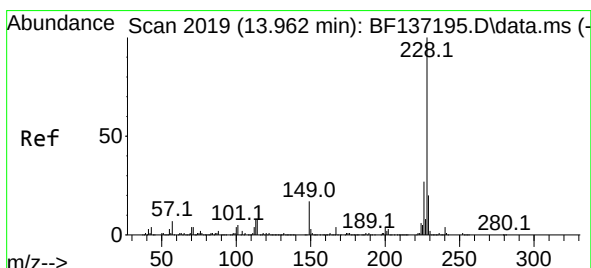
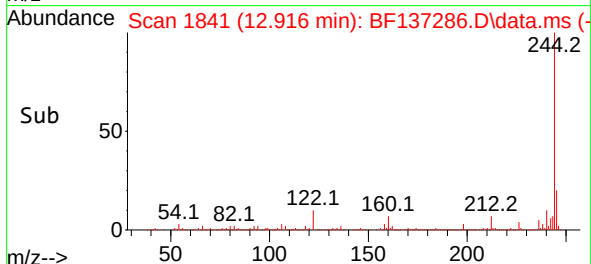
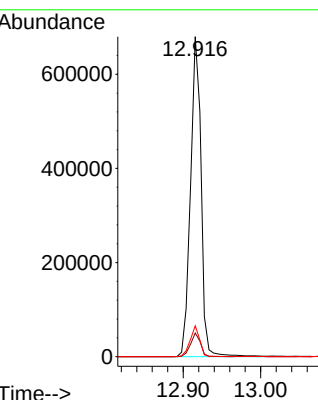
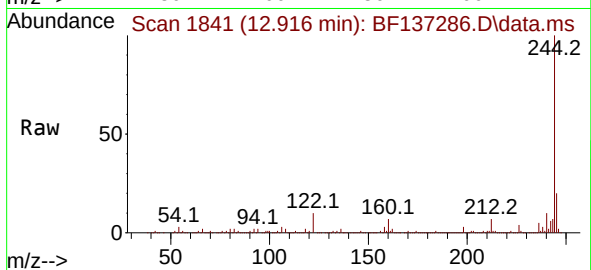
212 7.4 5.5 8.3

122 9.6 6.2 9.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/06/2024
Supervised By :mohammad ahmed 02/07/2024



#81

Benzo(a)anthracene

Concen: 20.774 ng

RT: 13.962 min Scan# 2019

Delta R.T. 0.000 min

Lab File: BF137286.D

Acq: 05 Feb 2024 20:18

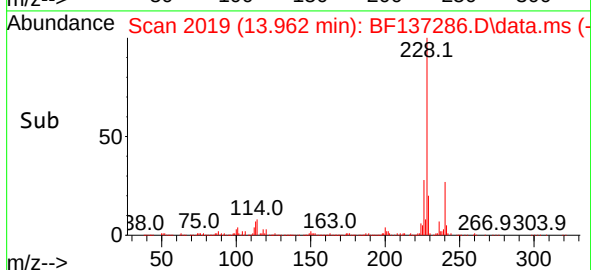
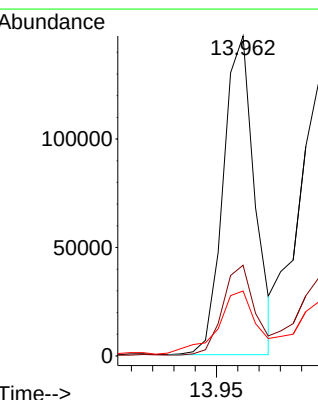
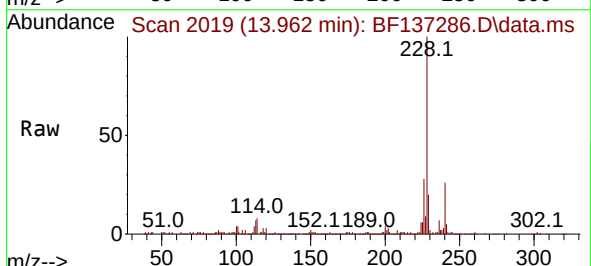
Tgt Ion:228 Resp: 150615

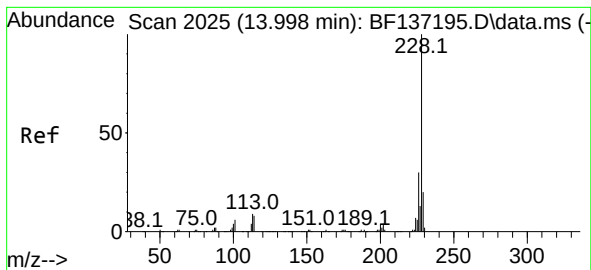
Ion Ratio Lower Upper

228 100

226 28.4 21.6 32.4

229 20.3 15.8 23.6





#83

Chrysene

Concen: 19.099 ng

RT: 13.998 min Scan# 2025

Delta R.T. 0.000 min

Lab File: BF137286.D

Acq: 05 Feb 2024 20:18

Instrument :

BNA_F

ClientSampleId :

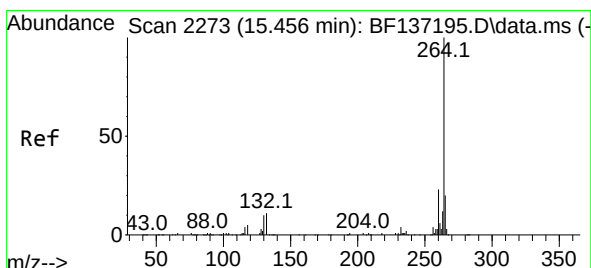
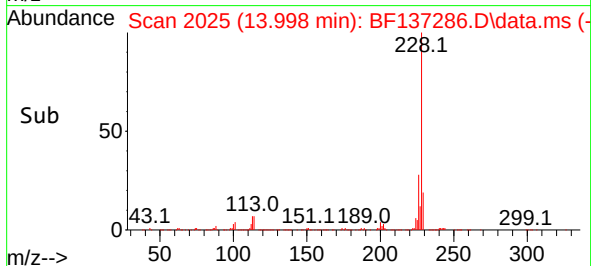
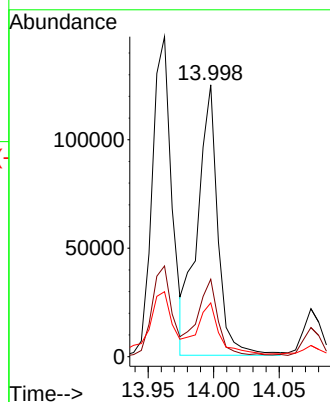
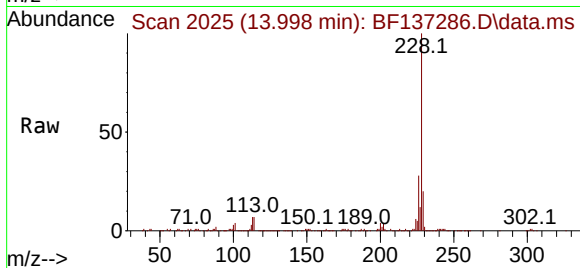
VNJ-214

Tgt Ion:228	Resp: 13613
Ion Ratio	Lower Upper
228 100	
226 28.5	23.7 35.5
229 19.8	15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/06/2024
Supervised By :mohammad ahmed 02/07/2024



#86

Perylene-d12

Concen: 20.000 ng

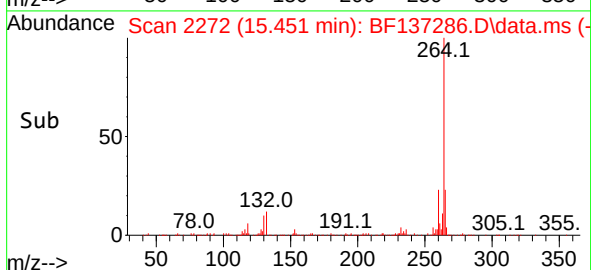
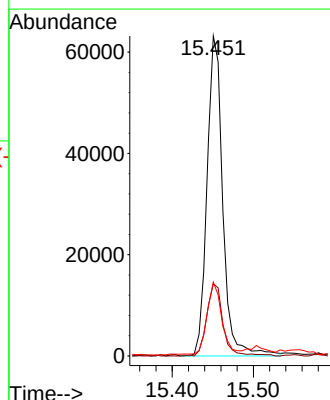
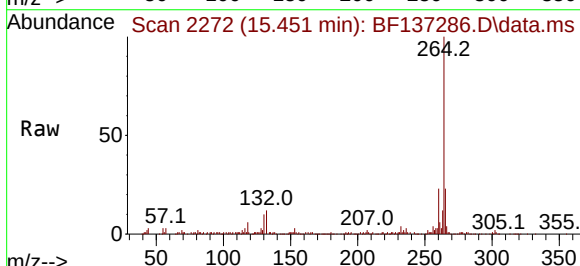
RT: 15.451 min Scan# 2272

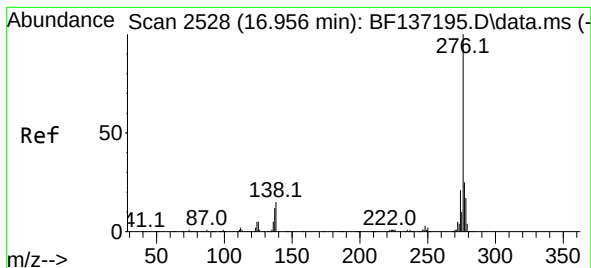
Delta R.T. -0.006 min

Lab File: BF137286.D

Acq: 05 Feb 2024 20:18

Tgt Ion:264	Resp: 84949
Ion Ratio	Lower Upper
264 100	
260 22.5	18.2 27.4
265 23.1	16.2 24.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.471 ng

RT: 16.945 min Scan# 2198

Delta R.T. -0.012 min

Lab File: BF137286.D

Acq: 05 Feb 2024 20:18

Instrument :

BNA_F

ClientSampleId :

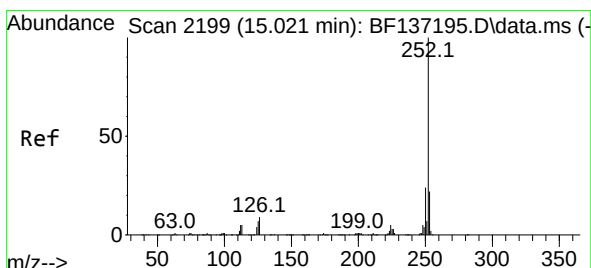
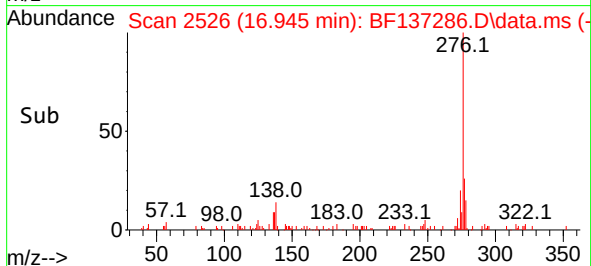
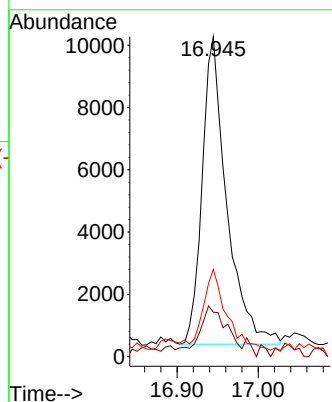
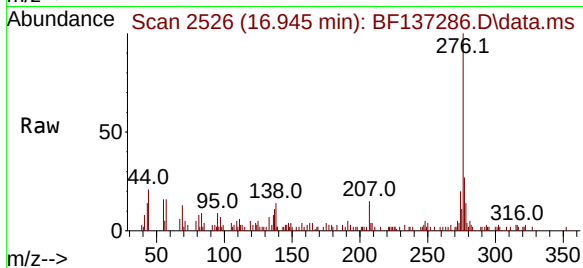
VNJ-214

Tgt Ion:	276	Resp:	2071
Ion Ratio	Lower	Upper	
276	100		
138	16.3	14.6	21.8
277	24.5	20.2	30.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/06/2024
Supervised By :mohammad ahmed 02/07/2024



#88

Benzo(b)fluoranthene

Concen: 19.351 ng m

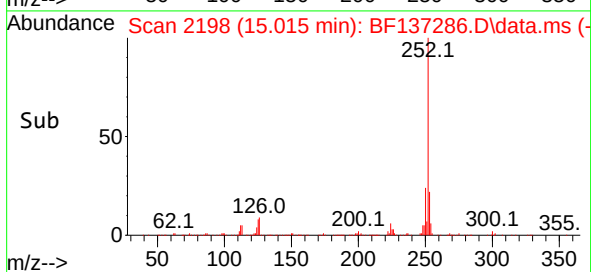
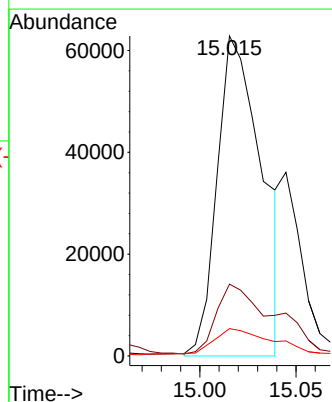
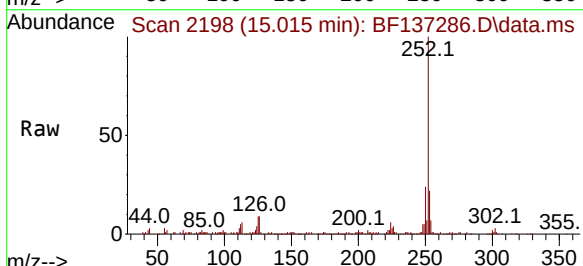
RT: 15.015 min Scan# 2198

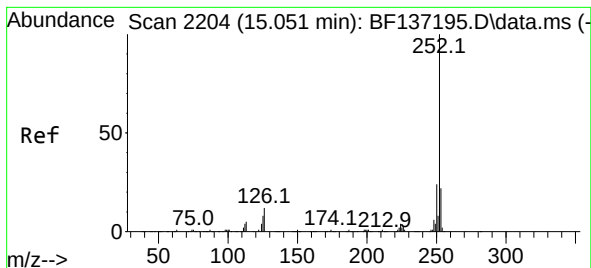
Delta R.T. -0.006 min

Lab File: BF137286.D

Acq: 05 Feb 2024 20:18

Tgt Ion:	252	Resp:	101096
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.9	26.9
125	8.6	5.4	8.2





#89

Benzo(k)fluoranthene

Concen: 5.385 ng m

RT: 15.045 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF137286.D

Acq: 05 Feb 2024 20:18

Instrument :

BNA_F

ClientSampleId :

VNJ-214

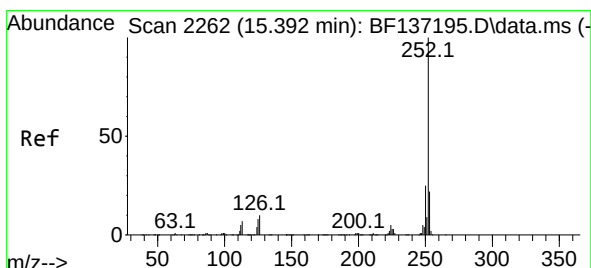
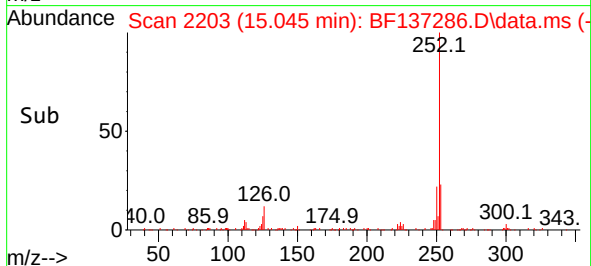
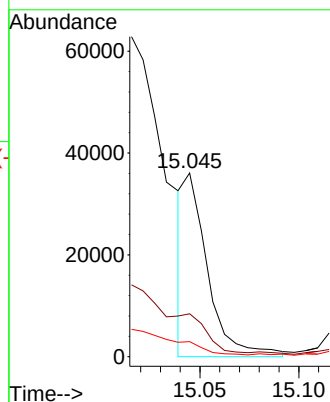
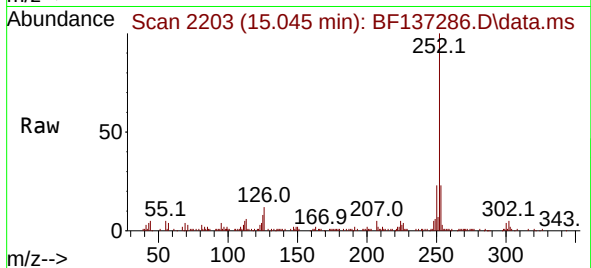
Tgt Ion:252 Resp: 2976

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.0	25.6
125	8.2	5.9	8.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/06/2024
Supervised By :mohammad ahmed 02/07/2024



#90

Benzo(a)pyrene

Concen: 11.198 ng

RT: 15.386 min Scan# 2261

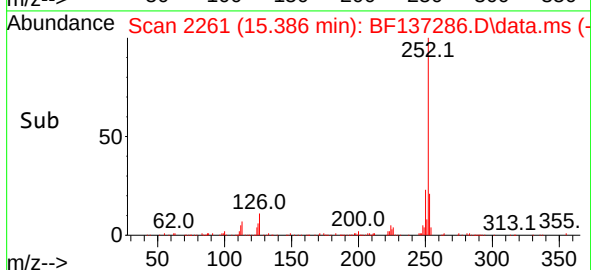
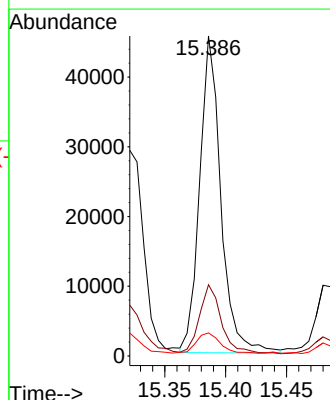
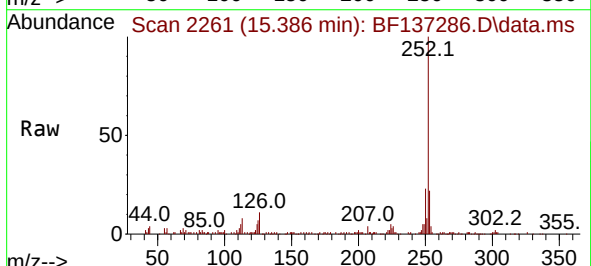
Delta R.T. -0.006 min

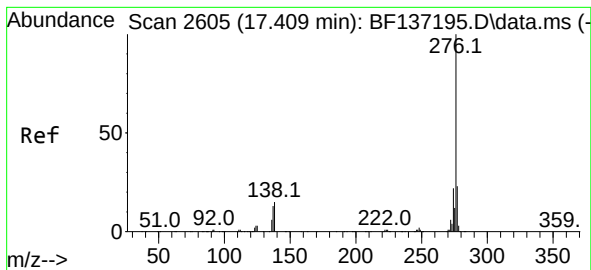
Lab File: BF137286.D

Acq: 05 Feb 2024 20:18

Tgt Ion:252 Resp: 55056

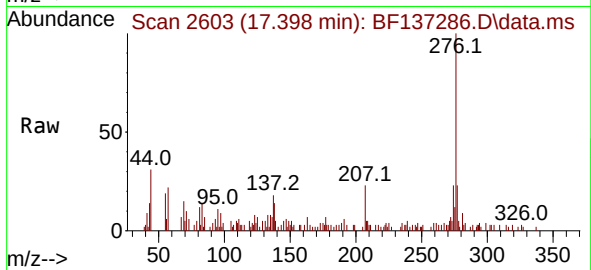
Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.6
125	7.2	6.5	9.7





#92
 Benzo(g,h,i)perylene
 Concen: 4.347 ng
 RT: 17.398 min Scan# 2040
 Delta R.T. -0.012 min
 Lab File: BF137286.D
 Acq: 05 Feb 2024 20:18

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-214



Tgt Ion:	276	Resp:	2040
Ion Ratio	Lower	Upper	
276	100		
277	22.9	18.4	27.6
138	14.0	11.8	17.8

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 02/06/2024
 Supervised By :mohammad ahmed 02/07/2024

