

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF093022\
 Data File : BF130487.D
 Acq On : 30 Sep 2022 16:43
 Operator : CG\JU
 Sample : N4862-01DL 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-203DL

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 10/01/2022
 Supervised By :mohammad ahmed 10/06/2022

Quant Time: Oct 01 01:36:02 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 28 02:59:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.640	152	99488	20.000	ng	0.00
21) Naphthalene-d8	7.922	136	354003	20.000	ng	# 0.00
39) Acenaphthene-d10	9.669	164	155613	20.000	ng	-0.01
64) Phenanthrene-d10	11.163	188	216032	20.000	ng	0.00
76) Chrysene-d12	13.786	240	215377	20.000	ng	0.00
86) Perylene-d12	15.168	264	257908	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.234	112	268251	46.767	ng	-0.01
7) Phenol-d6	6.275	99	327299	45.604	ng	-0.02
23) Nitrobenzene-d5	7.204	82	193653	27.947	ng	-0.01
42) 2,4,6-Tribromophenol	10.463	330	64529	43.277	ng	0.00
45) 2-Fluorobiphenyl	8.998	172	336096	31.451	ng	-0.01
79) Terphenyl-d14	12.751	244	299083	23.003	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	7.939	128	412592	22.623	ng	99
37) 2-Methylnaphthalene	8.633	142	189565	16.302	ng	100
38) 1-Methylnaphthalene	8.728	142	205067	18.358	ng	98
52) Acenaphthene	9.704	154	28837	3.114	ng	91
58) Fluorene	10.216	166	102754	9.753	ng	# 92
71) Phenanthrene	11.186	178	581442	47.938	ng	# 95
72) Anthracene	11.239	178	62514	5.341	ng	# 79
75) Fluoranthene	12.380	202	156984	13.394	ng	91
78) Pyrene	12.604	202	228366	12.121	ng	96
81) Benzo(a)anthracene	13.774	228	108557	7.577	ng	# 89
83) Chrysene	13.810	228	110089	8.092	ng	# 95
87) Indeno(1,2,3-cd)pyrene	16.480	276	95506	5.222	ng	# 94
88) Benzo(b)fluoranthene	14.780	252	154228m	9.162	ng	
89) Benzo(k)fluoranthene	14.804	252	49121m	2.966	ng	
90) Benzo(a)pyrene	15.110	252	135141	10.133	ng	97
92) Benzo(g,h,i)perylene	16.874	276	89614	5.929	ng	98

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

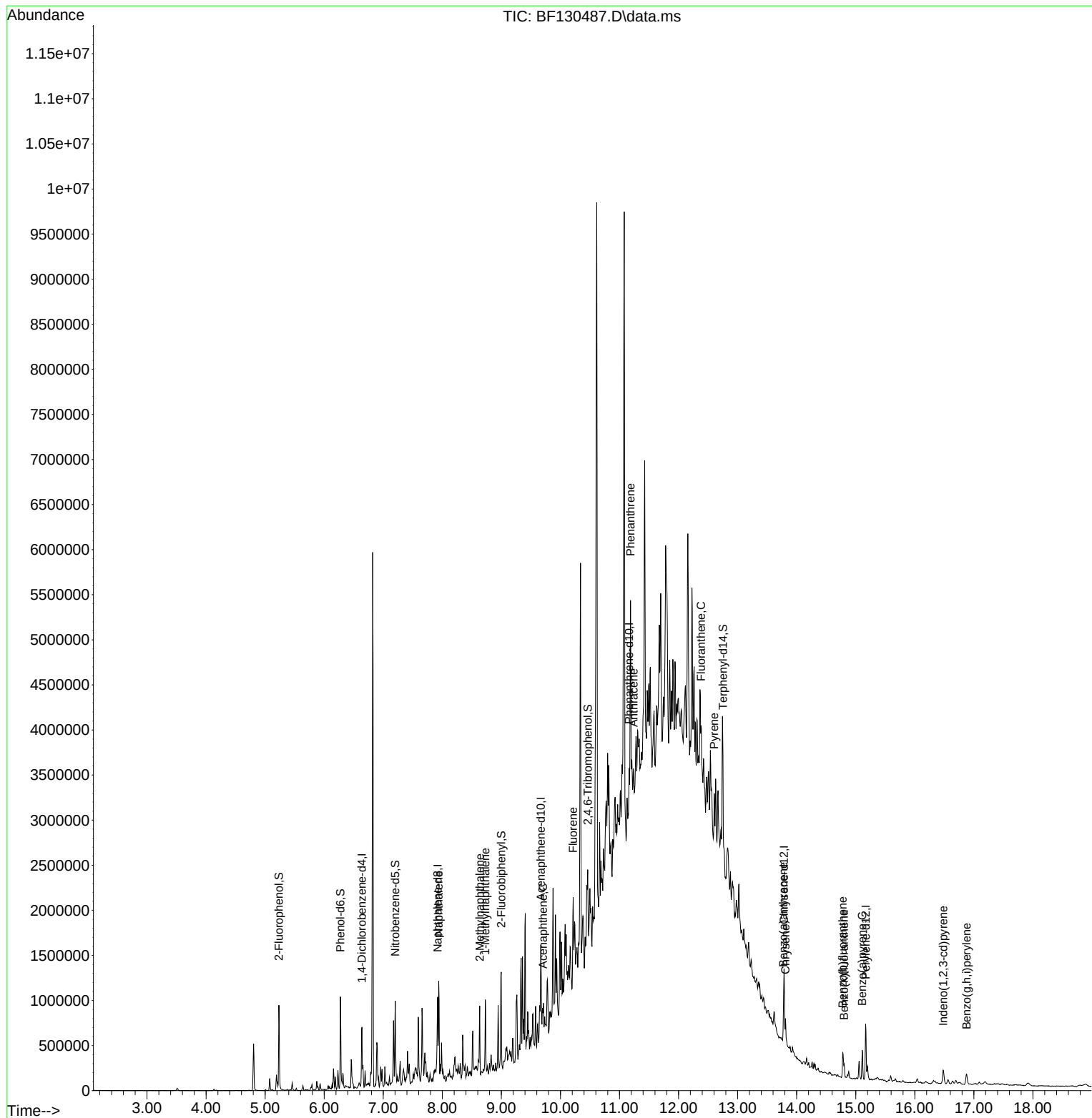
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF093022\
Data File : BF130487.D
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Sample : N4862-01DL 2X
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ALS Vial : 9 Sample Multiplier: 1

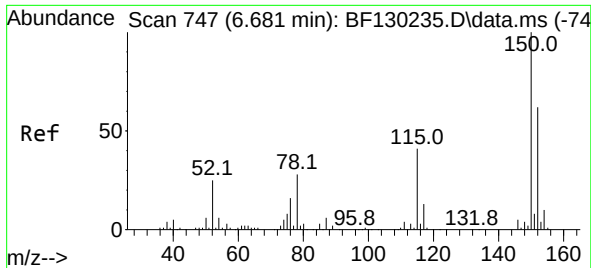
Instrument :
BNA_F
ClientSampleId :
VNJ-203DL

Quant Time: Oct 01 01:36:02 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 28 02:59:31 2022
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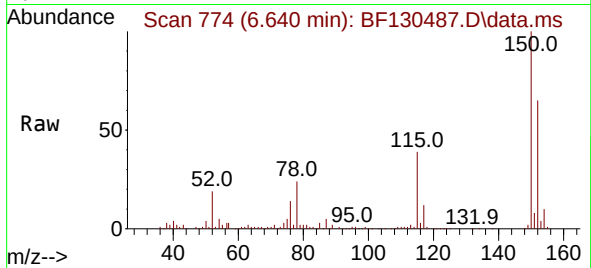
Reviewed By :Jagrut Upadhyay 10/01/2022
Supervised By :mohammad ahmed 10/06/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.640 min Scan# 71
Delta R.T. -0.005 min
Lab File: BF130487.D
Acq: 30 Sep 2022 16:43

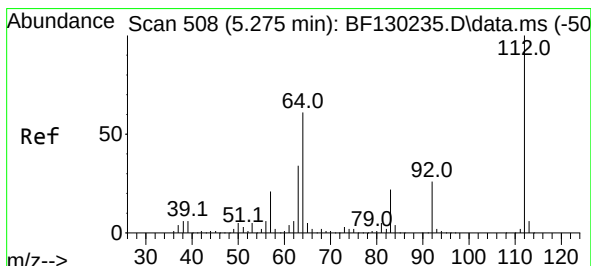
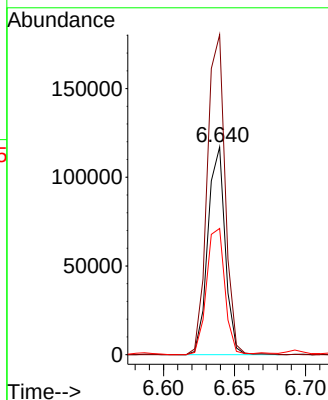
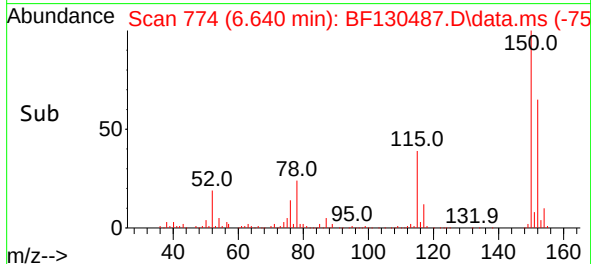
Instrument :
BNA_F
ClientSampleId :
VNJ-203DL



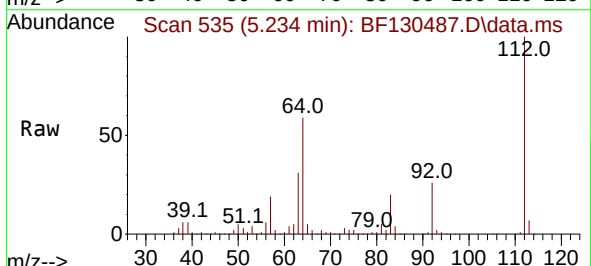
Tgt Ion:152 Resp: 99488
Ion Ratio Lower Upper
152 100
150 154.0 122.8 184.2
115 60.7 53.8 80.8

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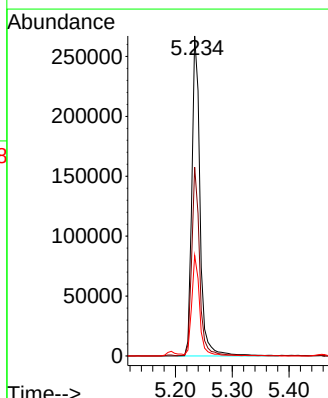
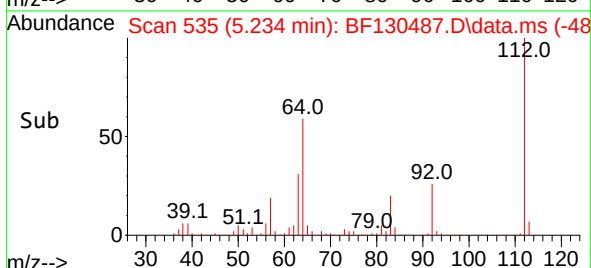
Reviewed By :Jagrut Upadhyay 10/01/2022
Supervised By :mohammad ahmed 10/06/2022

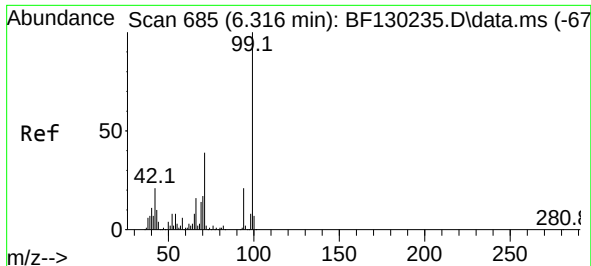


#5
2-Fluorophenol
Concen: 46.767 ng
RT: 5.234 min Scan# 535
Delta R.T. -0.012 min
Lab File: BF130487.D
Acq: 30 Sep 2022 16:43



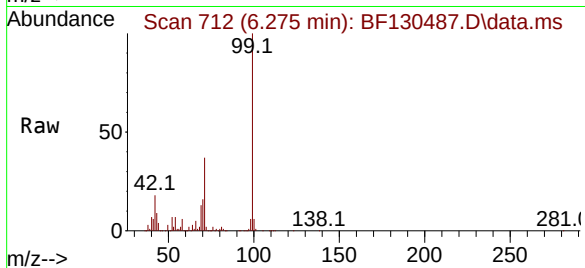
Tgt Ion:112 Resp: 268251
Ion Ratio Lower Upper
112 100
64 59.0 51.4 77.0
63 31.4 28.8 43.2





#7
Phenol-d6
Concen: 45.604 ng
RT: 6.275 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF130487.D
Acq: 30 Sep 2022 16:43

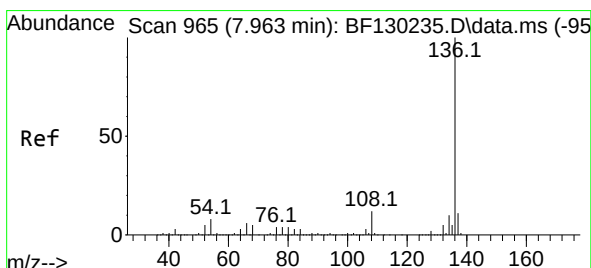
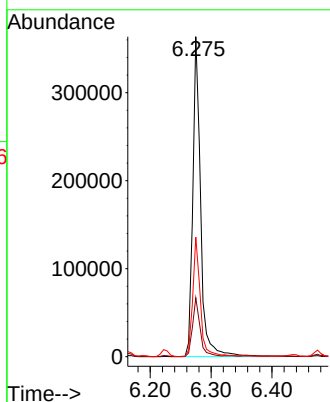
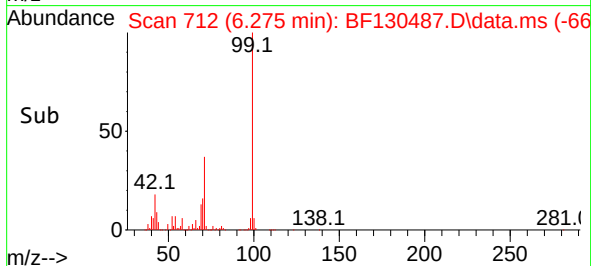
Instrument :
BNA_F
ClientSampleId :
VNJ-203DL



Tgt Ion: 99 Resp: 327299
Ion Ratio Lower Upper
99 100
42 18.4 17.0 25.6
71 37.4 32.3 48.5

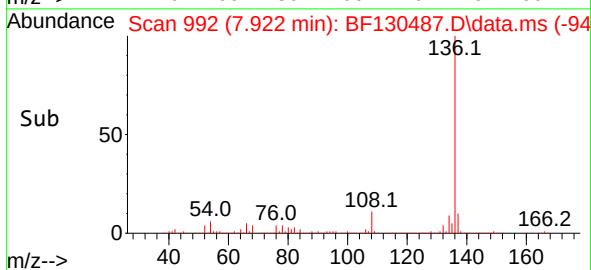
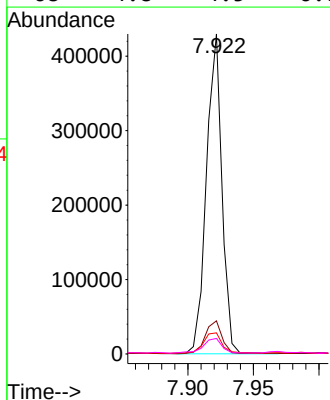
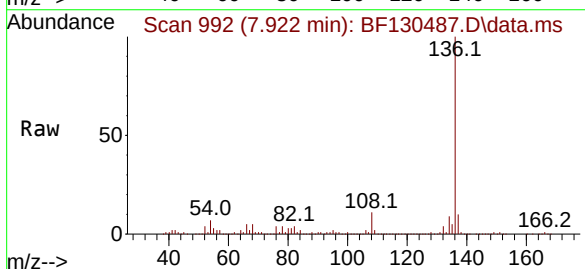
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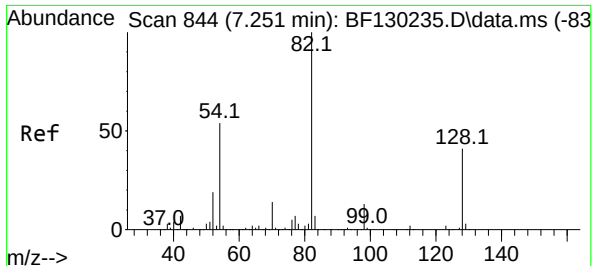
Reviewed By :Jagrut Upadhyay 10/01/2022
Supervised By :mohammad ahmed 10/06/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.922 min Scan# 992
Delta R.T. -0.006 min
Lab File: BF130487.D
Acq: 30 Sep 2022 16:43

Tgt Ion:136 Resp: 354003
Ion Ratio Lower Upper
136 100
137 10.4 9.1 13.7
54 6.6 7.1 10.7#
68 4.8 4.5 6.7





#23

Nitrobenzene-d5

Concen: 27.947 ng

RT: 7.204 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF130487.D

Acq: 30 Sep 2022 16:43

Instrument :

BNA_F

ClientSampleId :

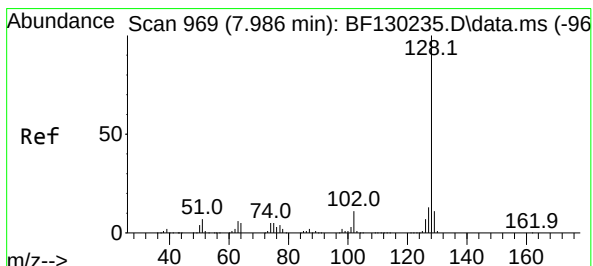
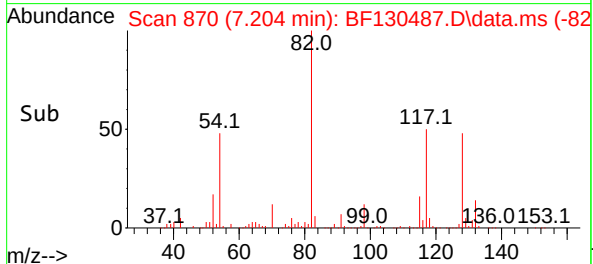
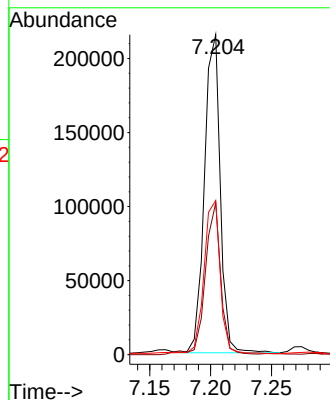
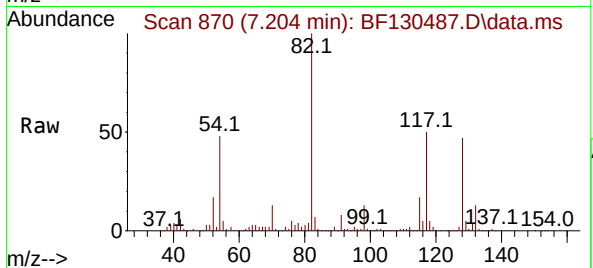
VNJ-203DL

Tgt Ion: 82 Resp: 19365
 Ion Ratio Lower Upper
 82 100
 128 47.4 32.6 49.0
 54 48.2 43.8 65.6

Manual Integrations

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Reviewed By :Jagrut Upadhyay 10/01/2022
 Supervised By :mohammad ahmed 10/06/2022



#31

Naphthalene

Concen: 22.623 ng

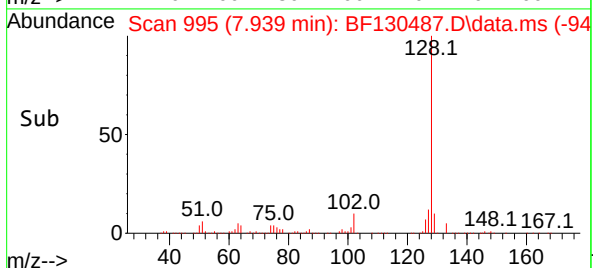
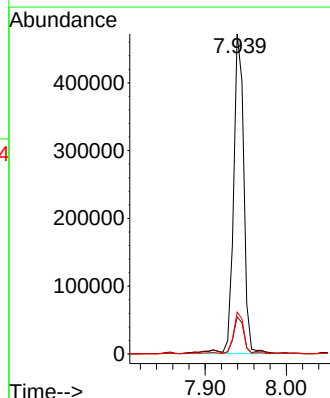
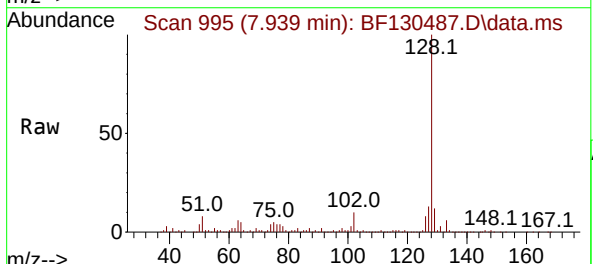
RT: 7.939 min Scan# 995

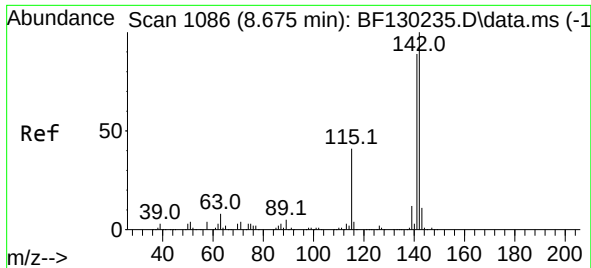
Delta R.T. -0.012 min

Lab File: BF130487.D

Acq: 30 Sep 2022 16:43

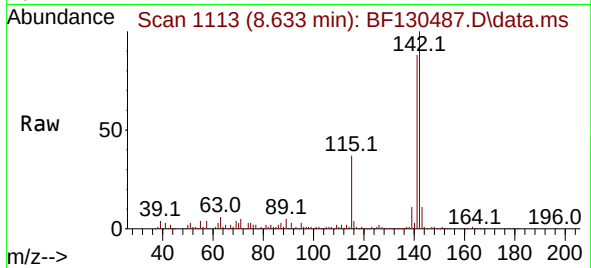
Tgt Ion:128 Resp: 412592
 Ion Ratio Lower Upper
 128 100
 129 11.6 9.1 13.7
 127 13.0 10.6 16.0





#37
2-Methylnaphthalene
Concen: 16.302 ng
RT: 8.633 min Scan# 1113
Delta R.T. -0.006 min
Lab File: BF130487.D
Acq: 30 Sep 2022 16:43

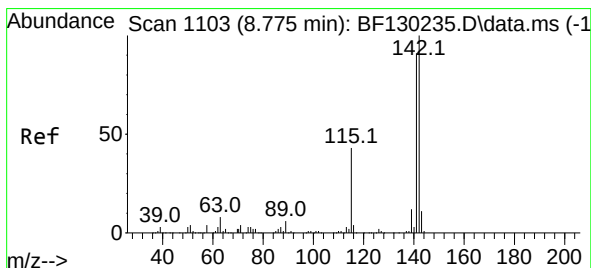
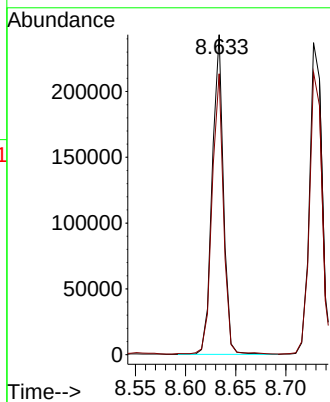
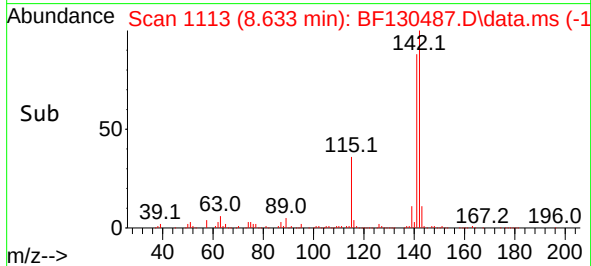
Instrument :
BNA_F
ClientSampleId :
VNJ-203DL



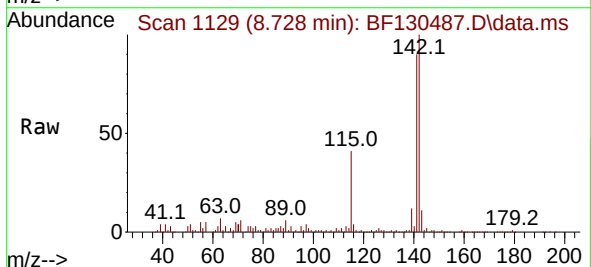
Tgt Ion:142 Resp: 18956
Ion Ratio Lower Upper
142 100
141 87.8 70.0 105.0

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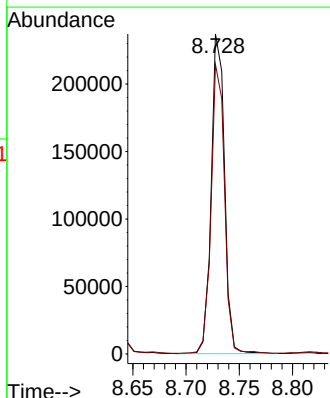
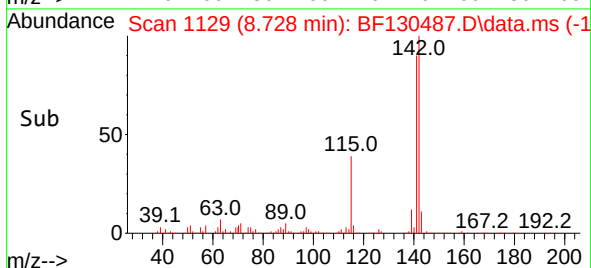
Reviewed By :Jagrut Upadhyay 10/01/2022
Supervised By :mohammad ahmed 10/06/2022

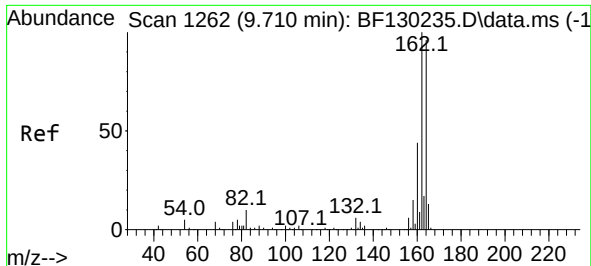


#38
1-Methylnaphthalene
Concen: 18.358 ng
RT: 8.728 min Scan# 1129
Delta R.T. -0.012 min
Lab File: BF130487.D
Acq: 30 Sep 2022 16:43



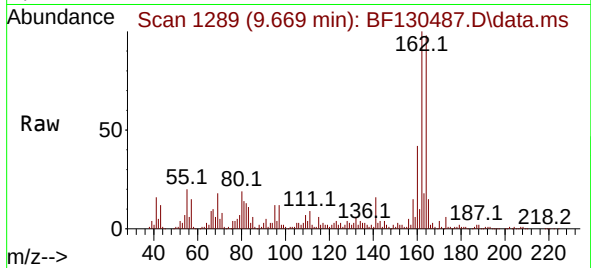
Tgt Ion:142 Resp: 205067
Ion Ratio Lower Upper
142 100
141 90.4 73.8 110.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.669 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF130487.D
Acq: 30 Sep 2022 16:43

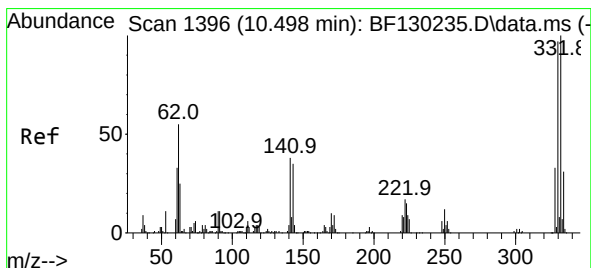
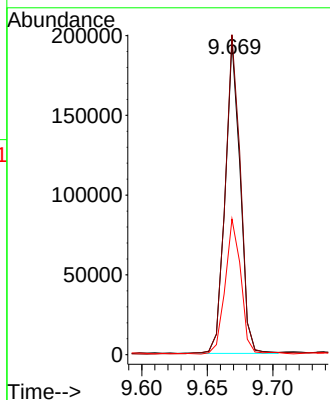
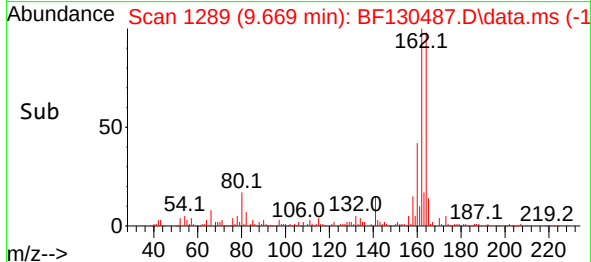
Instrument :
BNA_F
ClientSampleId :
VNJ-203DL



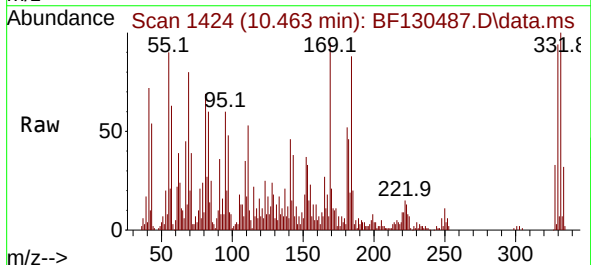
Tgt Ion:164 Resp: 15561
Ion Ratio Lower Upper
164 100
162 102.1 81.4 122.0
160 43.3 36.2 54.4

Manual Integrations
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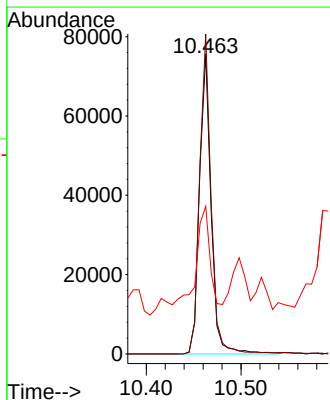
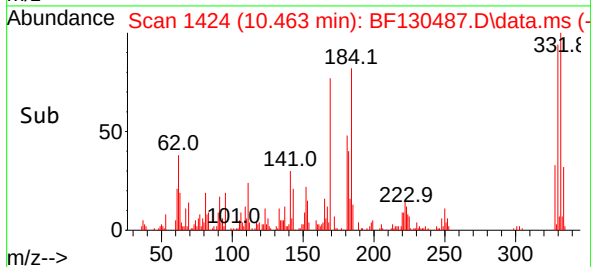
Reviewed By :Jagrut Upadhyay 10/01/2022
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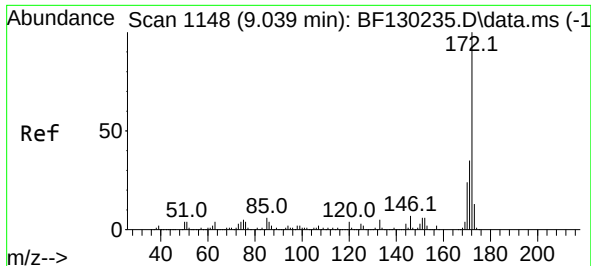


#42
2,4,6-Tribromophenol
Concen: 43.277 ng
RT: 10.463 min Scan# 1424
Delta R.T. -0.006 min
Lab File: BF130487.D
Acq: 30 Sep 2022 16:43



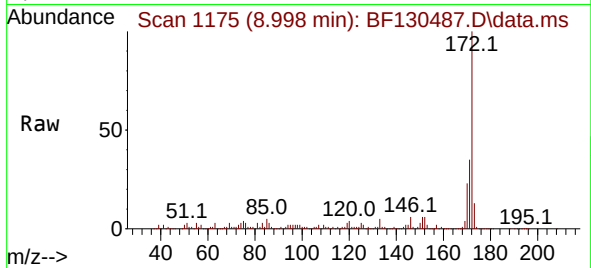
Tgt Ion:330 Resp: 64529
Ion Ratio Lower Upper
330 100
332 106.0 83.4 125.2
141 54.2 34.0 51.0#





#45
2-Fluorobiphenyl
Concen: 31.451 ng
RT: 8.998 min Scan# 1148
Delta R.T. -0.012 min
Lab File: BF130487.D
Acq: 30 Sep 2022 16:43

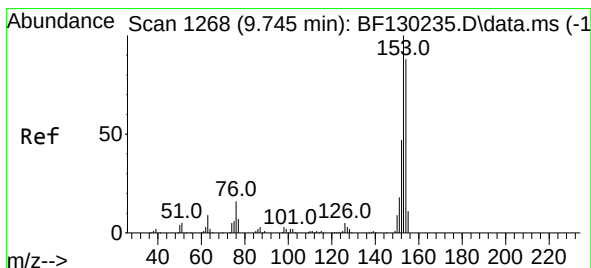
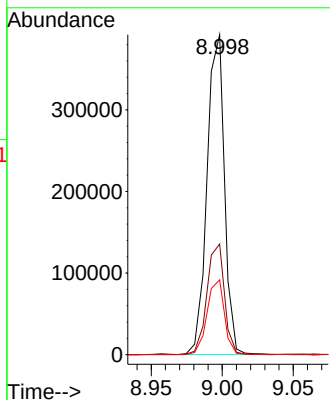
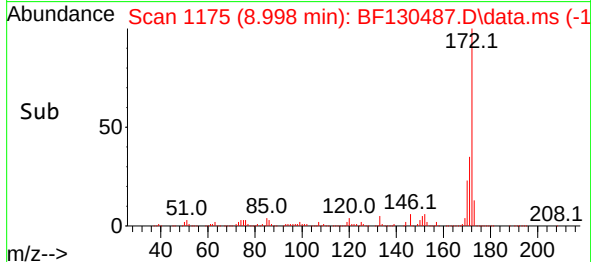
Instrument :
BNA_F
ClientSampleId :
VNJ-203DL



Tgt Ion:172 Resp: 336090
Ion Ratio Lower Upper
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171 34.6 28.3 42.5
170 23.4 18.7 28.1

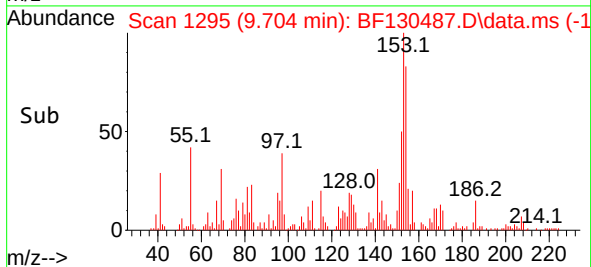
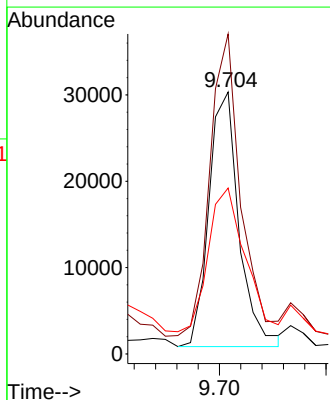
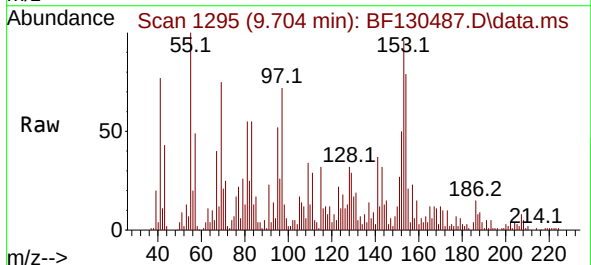
Manual Integrations
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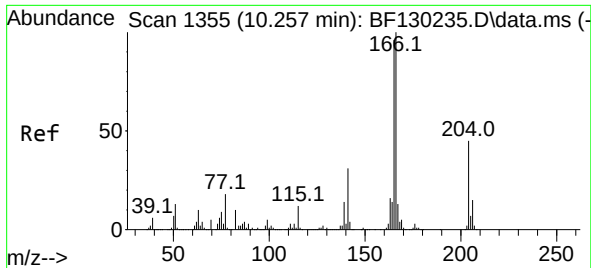
Reviewed By :Jagrut Upadhyay 10/01/2022
Supervised By :mohammad ahmed 10/06/2022



#52
Acenaphthene
Concen: 3.114 ng
RT: 9.704 min Scan# 1295
Delta R.T. -0.012 min
Lab File: BF130487.D
Acq: 30 Sep 2022 16:43

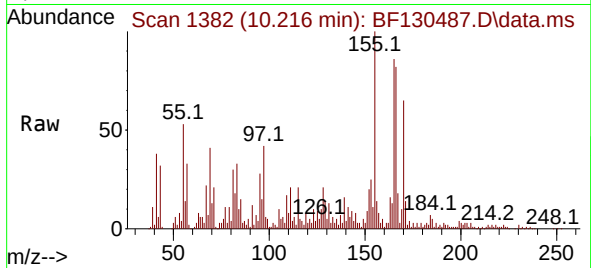
Tgt Ion:154 Resp: 28837
Ion Ratio Lower Upper
154 100
153 122.2 90.6 136.0
152 63.3 43.8 65.6





#58
Fluorene
Concen: 9.753 ng
RT: 10.216 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF130487.D
Acq: 30 Sep 2022 16:43

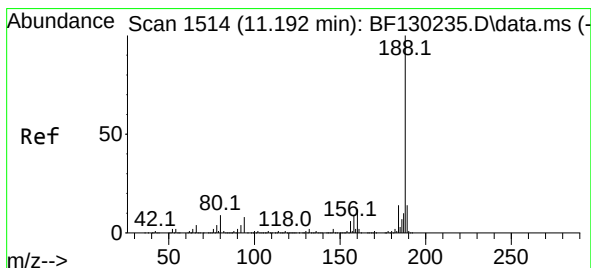
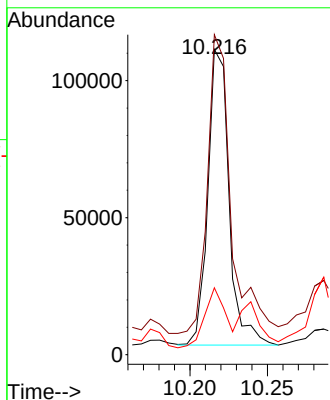
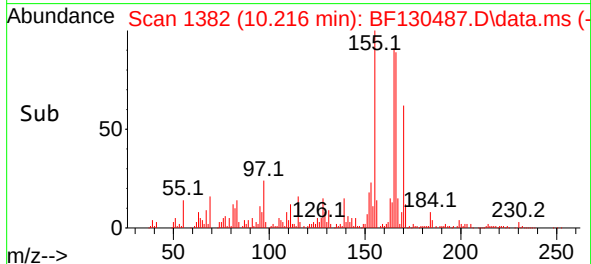
Instrument :
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Tgt Ion:166 Resp: 102754
Ion Ratio Lower Upper
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165 104.8 78.8 118.2
167 21.9 10.6 15.8

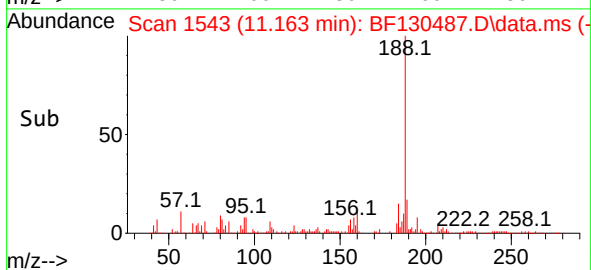
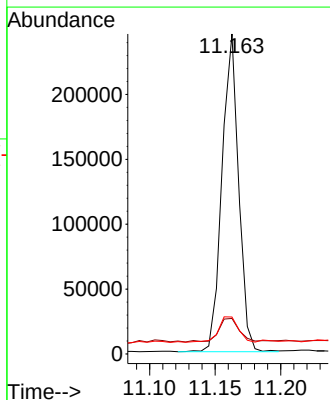
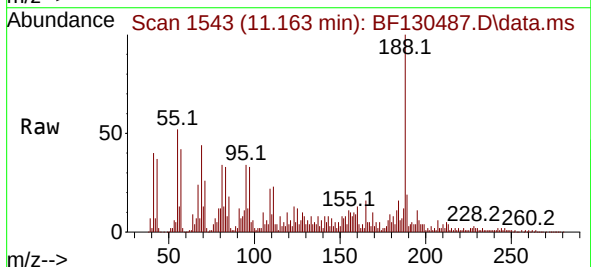
Manual Integrations
APPROVED

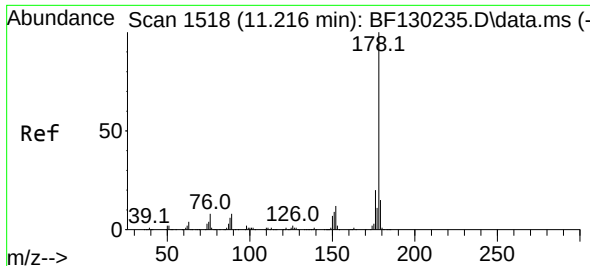
Reviewed By :Jagrut Upadhyay 10/01/2022
Supervised By :mohammad ahmed 10/06/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.163 min Scan# 1543
Delta R.T. 0.006 min
Lab File: BF130487.D
Acq: 30 Sep 2022 16:43

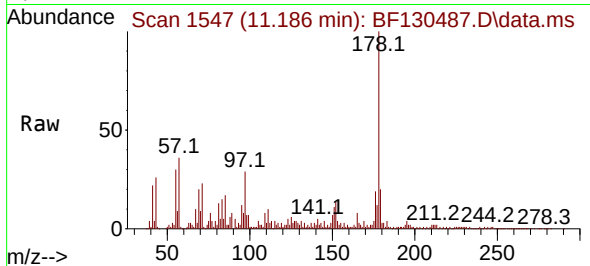
Tgt Ion:188 Resp: 216032
Ion Ratio Lower Upper
188 100
94 11.1 7.4 11.2
80 11.6 7.9 11.9





#71
Phenanthrene
Concen: 47.938 ng
RT: 11.186 min Scan# 1547
Delta R.T. 0.000 min
Lab File: BF130487.D
Acq: 30 Sep 2022 16:43

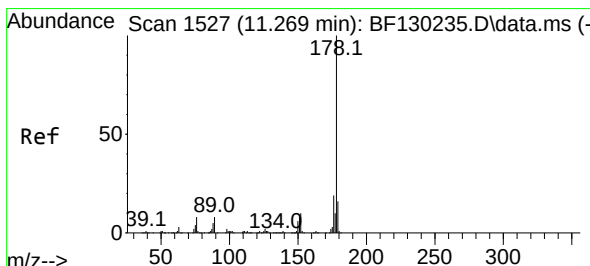
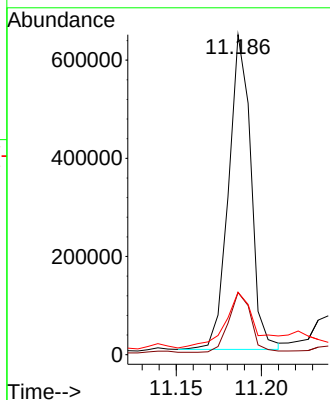
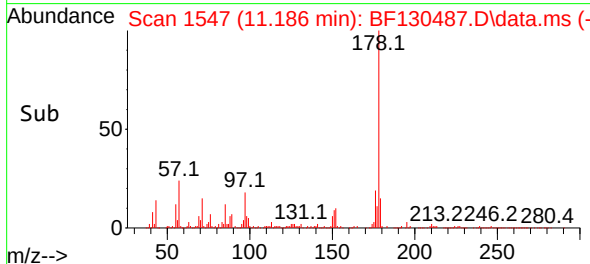
Instrument :
BNA_F
ClientSampleId :
VNJ-203DL



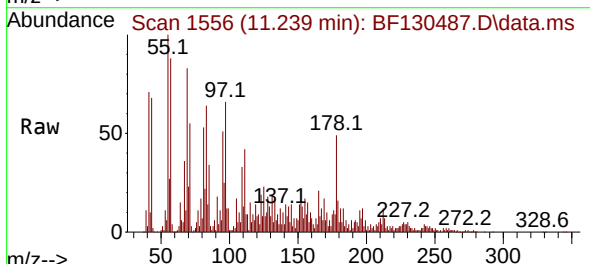
Tgt Ion:178 Resp: 58144
Ion Ratio Lower Upper
178 100
176 19.5 15.4 23.0
179 19.5 12.4 18.6

Manual Integrations
APPROVED

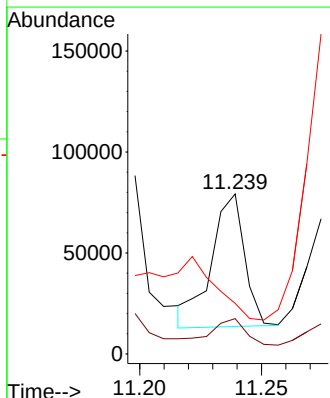
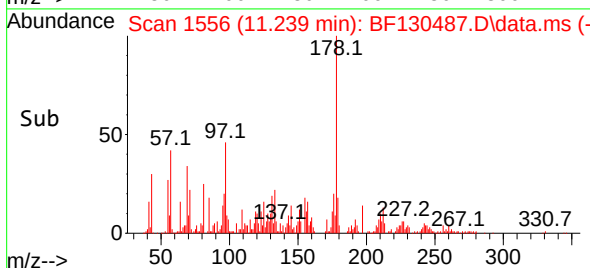
Reviewed By :Jagrut Upadhyay 10/01/2022
Supervised By :mohammad ahmed 10/06/2022

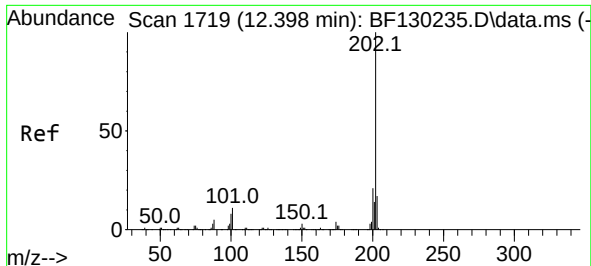


#72
Anthracene
Concen: 5.341 ng
RT: 11.239 min Scan# 1556
Delta R.T. 0.006 min
Lab File: BF130487.D
Acq: 30 Sep 2022 16:43



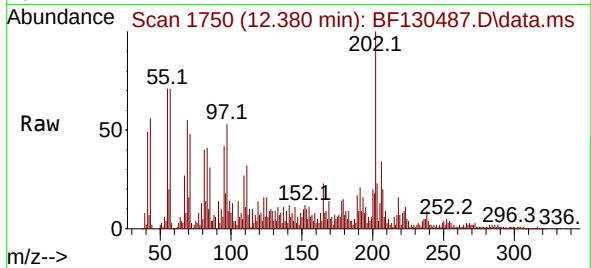
Tgt Ion:178 Resp: 62514
Ion Ratio Lower Upper
178 100
176 22.1 15.0 22.6
179 31.6 12.7 19.1#





#75
Fluoranthene
Concen: 13.394 ng
RT: 12.380 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF130487.D
Acq: 30 Sep 2022 16:43

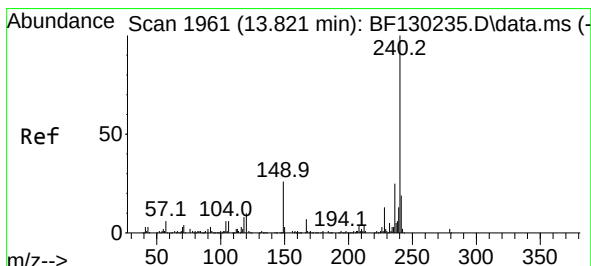
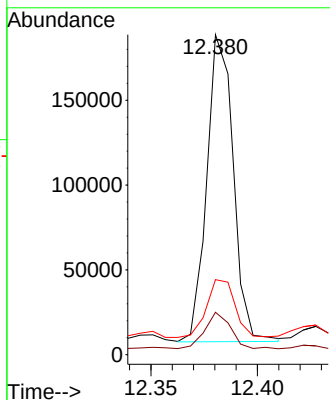
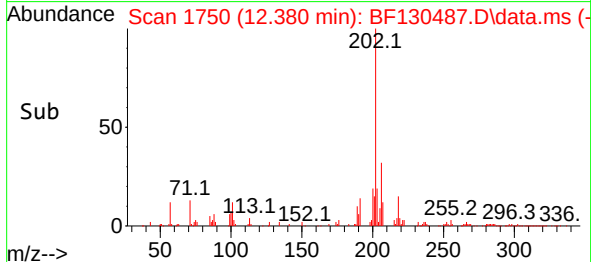
Instrument :
BNA_F
ClientSampleId :
VNJ-203DL



Tgt Ion:202 Resp: 156984
Ion Ratio Lower Upper
202 100
101 13.3 0.0 31.8
203 23.5 0.0 37.8

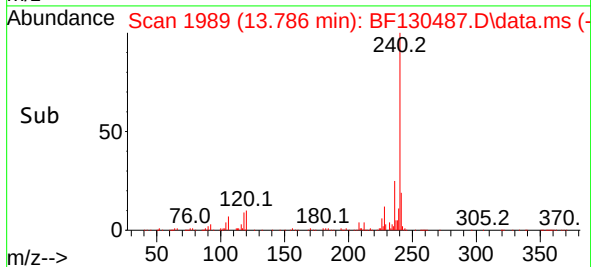
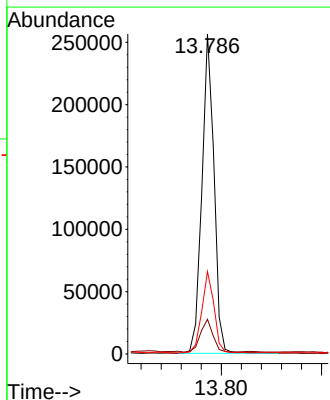
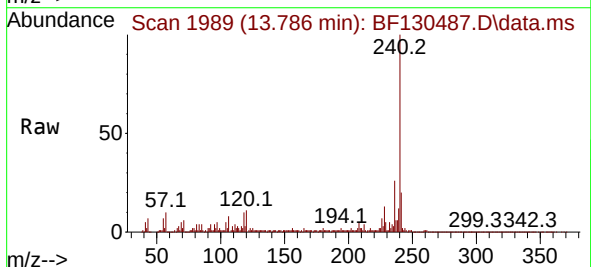
Manual Integrations
APPROVED

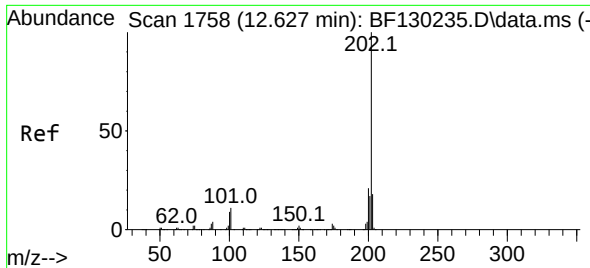
Reviewed By :Jagrut Upadhyay 10/01/2022
Supervised By :mohammad ahmed 10/06/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.786 min Scan# 1989
Delta R.T. -0.006 min
Lab File: BF130487.D
Acq: 30 Sep 2022 16:43

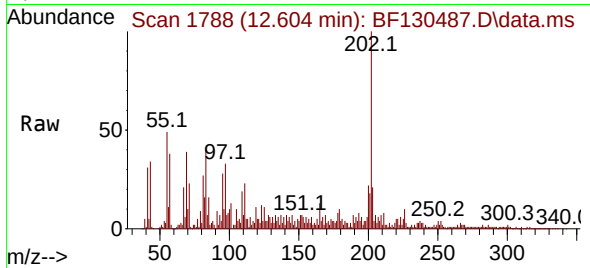
Tgt Ion:240 Resp: 215377
Ion Ratio Lower Upper
240 100
120 10.8 8.7 13.1
236 25.8 20.9 31.3





#78
Pyrene
Concen: 12.121 ng
RT: 12.604 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF130487.D
Acq: 30 Sep 2022 16:43

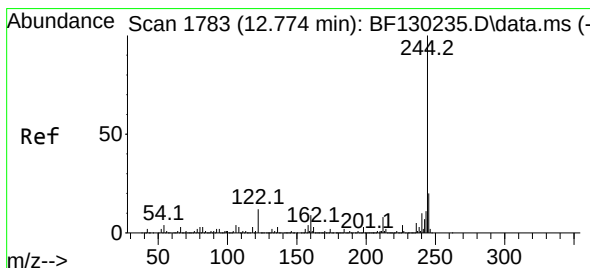
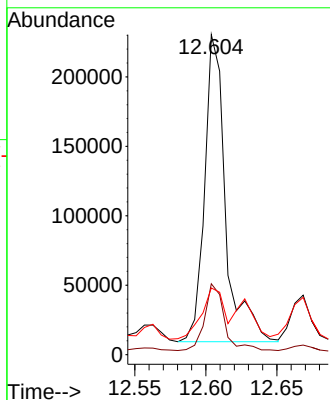
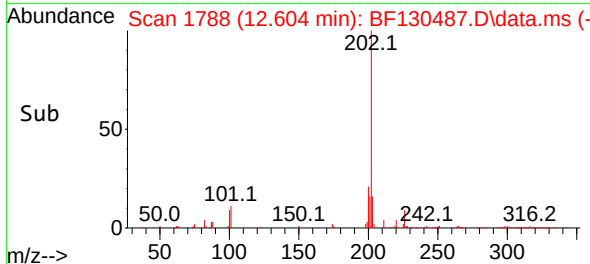
Instrument :
BNA_F
ClientSampleId :
VNJ-203DL



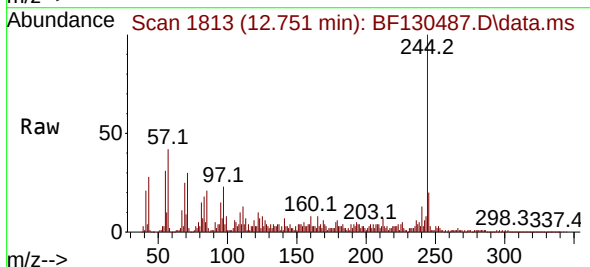
Tgt Ion:202 Resp: 228360
Ion Ratio Lower Upper
202 100
200 22.1 17.2 25.8
203 20.8 14.3 21.5

Manual Integrations
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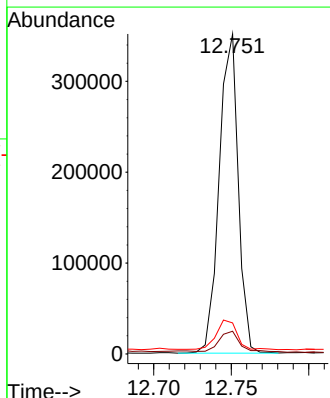
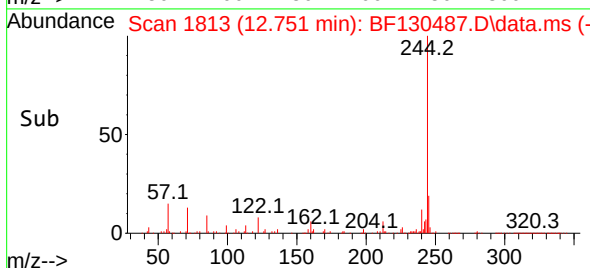
Reviewed By :Jagrut Upadhyay 10/01/2022
Supervised By :mohammad ahmed 10/06/2022

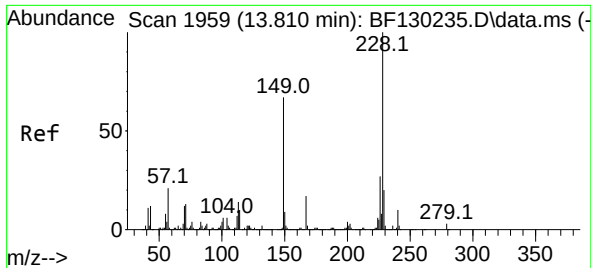


#79
Terphenyl-d14
Concen: 23.003 ng
RT: 12.751 min Scan# 1813
Delta R.T. 0.006 min
Lab File: BF130487.D
Acq: 30 Sep 2022 16:43



Tgt Ion:244 Resp: 299083
Ion Ratio Lower Upper
244 100
212 7.1 5.9 8.9
122 9.7 8.5 12.7





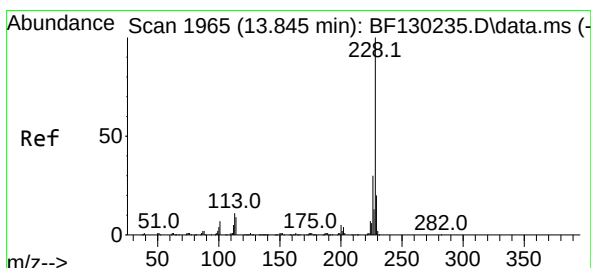
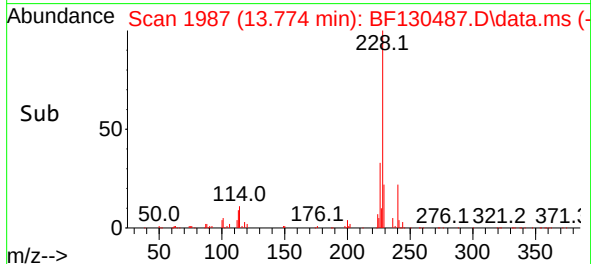
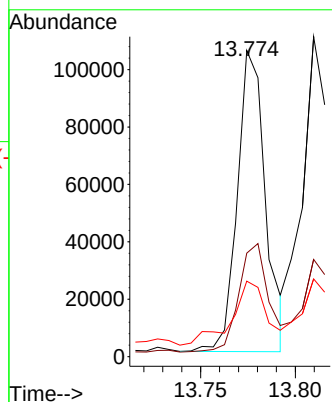
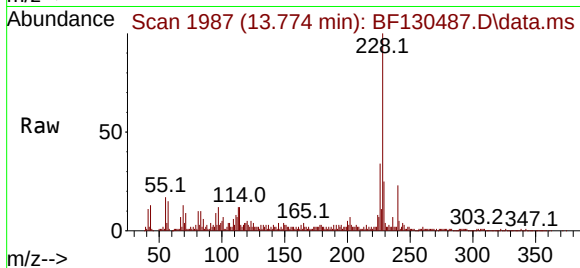
#81
Benzo(a)anthracene
Concen: 7.577 ng
RT: 13.774 min Scan# 1959
Delta R.T. -0.006 min
Lab File: BF130487.D
Acq: 30 Sep 2022 16:43

Instrument :
BNA_F
ClientSampleId :
VNJ-203DL

Tgt Ion:228 Resp: 10855
Ion Ratio Lower Upper
228 100
226 33.8 21.9 32.9
229 24.6 16.1 24.1

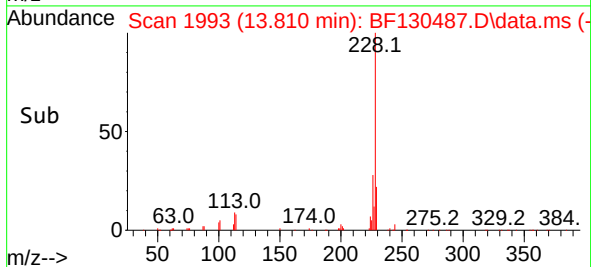
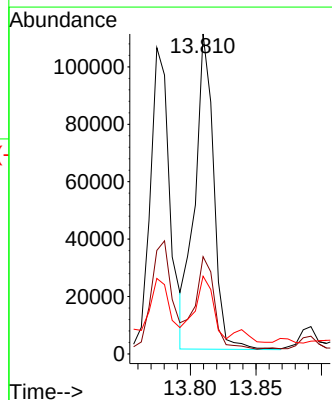
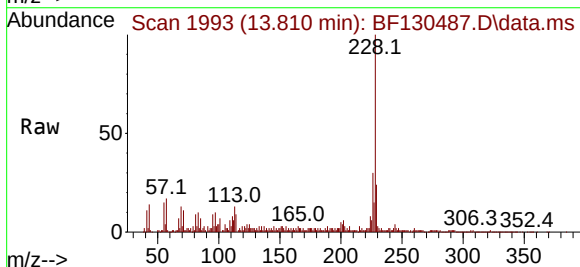
Manual Integrations
APPROVED

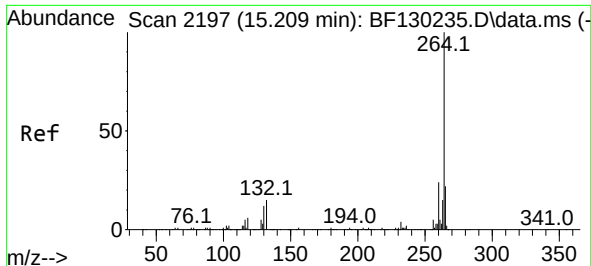
Reviewed By :Jagrut Upadhyay 10/01/2022
Supervised By :mohammad ahmed 10/06/2022



#83
Chrysene
Concen: 8.092 ng
RT: 13.810 min Scan# 1993
Delta R.T. -0.006 min
Lab File: BF130487.D
Acq: 30 Sep 2022 16:43

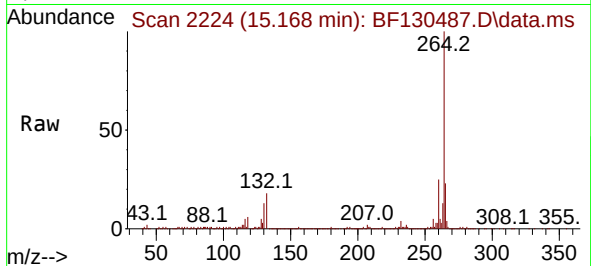
Tgt Ion:228 Resp: 110089
Ion Ratio Lower Upper
228 100
226 30.4 23.8 35.8
229 24.3 15.3 22.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.168 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BF130487.D
Acq: 30 Sep 2022 16:43

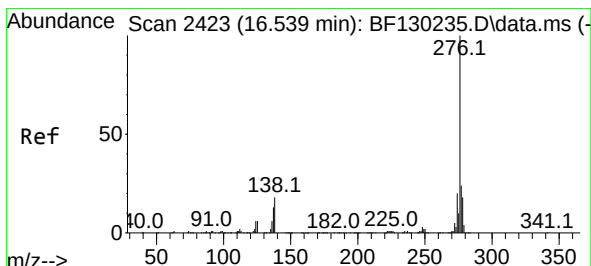
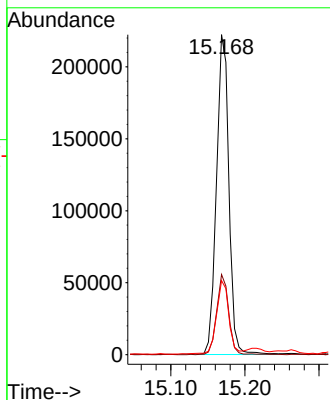
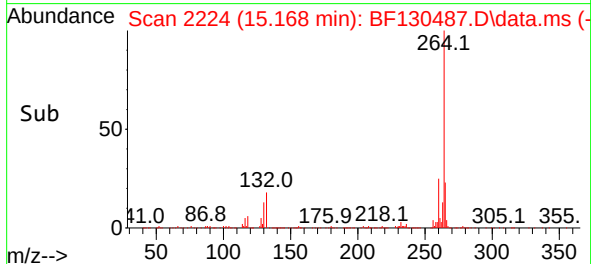
Instrument :
BNA_F
ClientSampleId :
VNJ-203DL



Tgt Ion:264 Resp: 257908
Ion Ratio Lower Upper
264 100
260 25.1 19.3 28.9
265 23.2 17.0 25.4

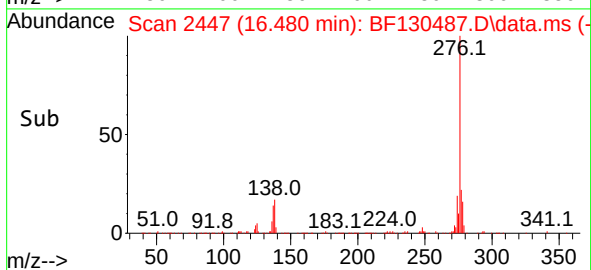
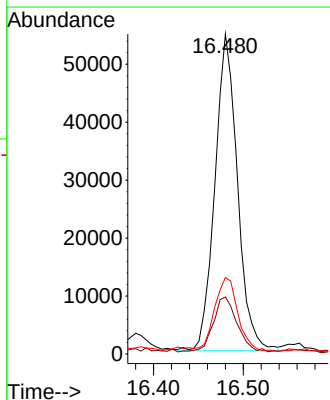
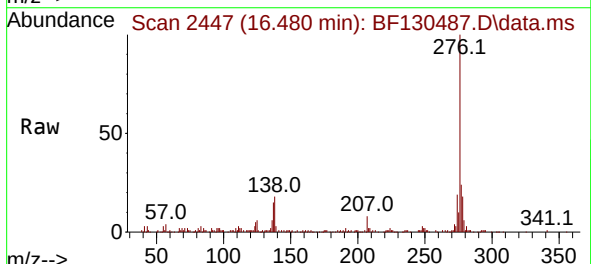
Manual Integrations
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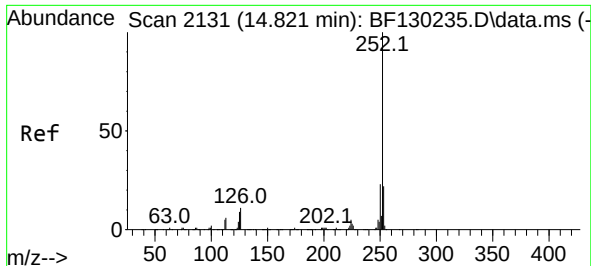
Reviewed By :Jagrut Upadhyay 10/01/2022
Supervised By :mohammad ahmed 10/06/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.222 ng
RT: 16.480 min Scan# 2447
Delta R.T. -0.018 min
Lab File: BF130487.D
Acq: 30 Sep 2022 16:43

Tgt Ion:276 Resp: 95506
Ion Ratio Lower Upper
276 100
138 17.7 18.5 27.7#
277 25.0 20.2 30.4





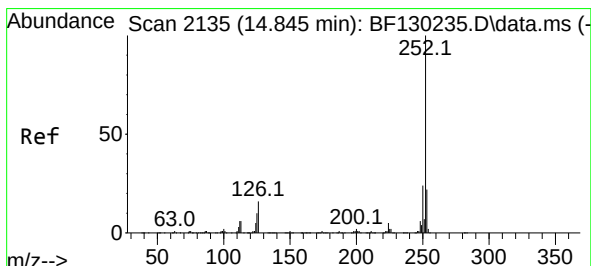
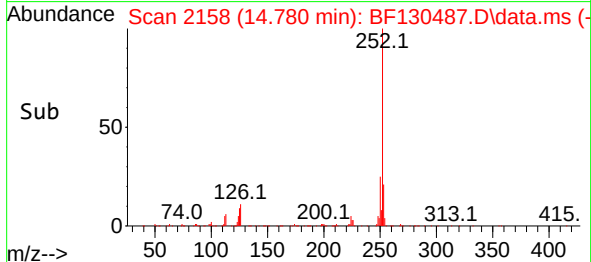
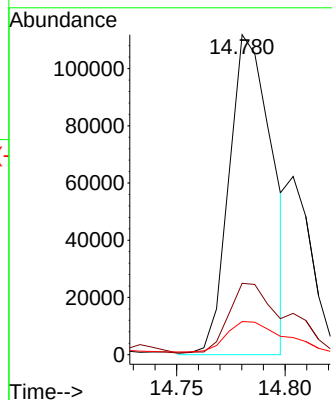
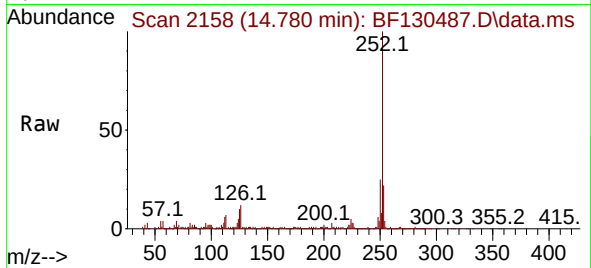
#88
Benzo(b)fluoranthene
Concen: 9.162 ng m
RT: 14.780 min Scan# 2118
Delta R.T. -0.006 min
Lab File: BF130487.D
Acq: 30 Sep 2022 16:43

Instrument :
BNA_F
ClientSampleId :
VNJ-203DL

Tgt Ion:252 Resp: 154228
Ion Ratio Lower Upper
252 100
253 22.3 17.7 26.5
125 10.3 8.1 12.1

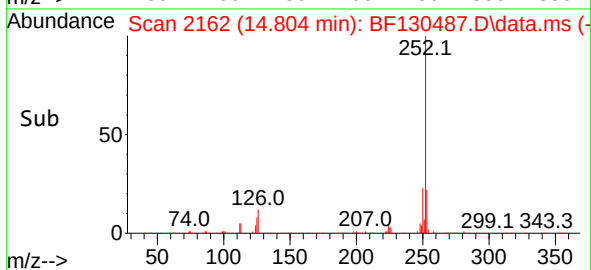
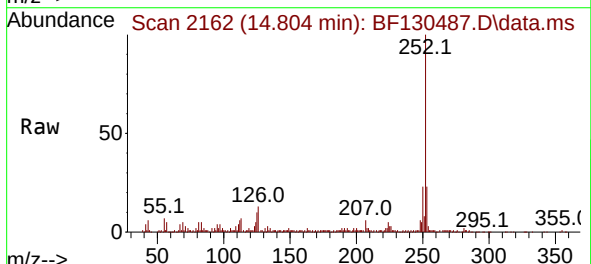
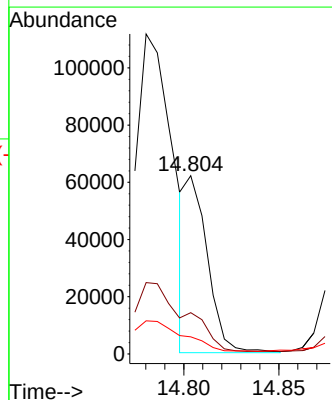
Manual Integrations
APPROVED

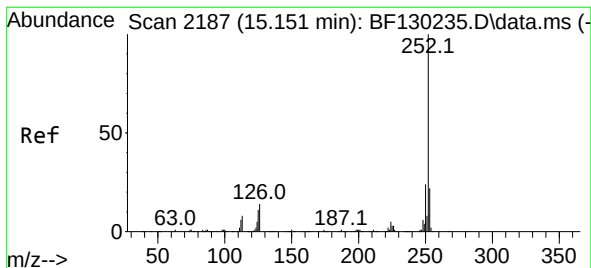
Reviewed By :Jagrut Upadhyay 10/01/2022
Supervised By :mohammad ahmed 10/06/2022



#89
Benzo(k)fluoranthene
Concen: 2.966 ng m
RT: 14.804 min Scan# 2162
Delta R.T. -0.012 min
Lab File: BF130487.D
Acq: 30 Sep 2022 16:43

Tgt Ion:252 Resp: 49121
Ion Ratio Lower Upper
252 100
253 23.2 17.4 26.2
125 9.6 7.9 11.9





#90

Benzo(a)pyrene

Concen: 10.133 ng

RT: 15.110 min Scan# 2187

Delta R.T. -0.006 min

Lab File: BF130487.D

Acq: 30 Sep 2022 16:43

Instrument :

BNA_F

ClientSampleId :

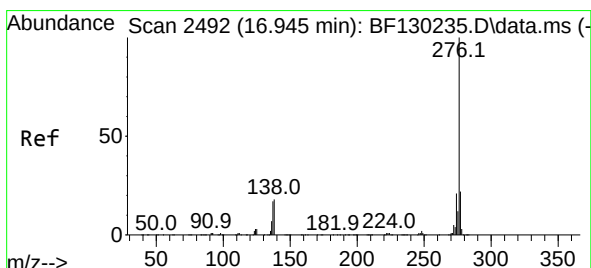
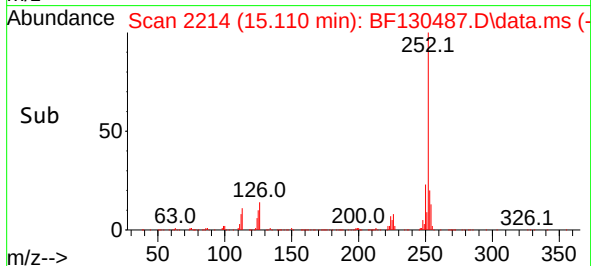
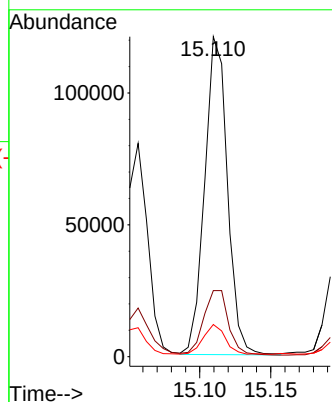
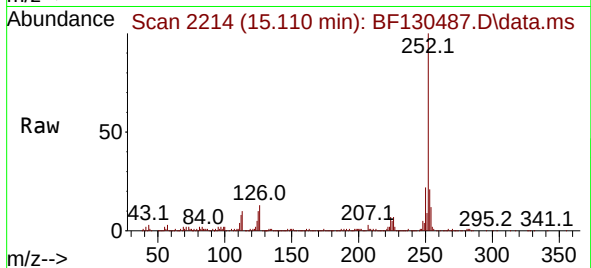
VNJ-203DL

Tgt Ion:252 Resp: 13514
 Ion Ratio Lower Upper
 252 100
 253 20.6 17.8 26.6
 125 10.1 9.0 13.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/01/2022
 Supervised By :mohammad ahmed 10/06/2022



#92

Benzo(g,h,i)perylene

Concen: 5.929 ng

RT: 16.874 min Scan# 2514

Delta R.T. -0.018 min

Lab File: BF130487.D

Acq: 30 Sep 2022 16:43

Tgt Ion:276 Resp: 89614
 Ion Ratio Lower Upper
 276 100
 277 23.9 18.6 27.8
 138 19.8 14.6 21.8

