

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071423\
 Data File : BF134299.D
 Acq On : 14 Jul 2023 20:11
 Operator : CG\JU
 Sample : 03564-02
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-225

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 07/15/2023
 Supervised By :mohammad ahmed 07/19/2023

Quant Time: Jul 14 22:39:56 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 14 17:58:58 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.840	152	80020	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	302271	20.000	ng	0.00
39) Acenaphthene-d10	9.881	164	145169	20.000	ng	0.00
64) Phenanthrene-d10	11.375	188	267880	20.000	ng	0.00
76) Chrysene-d12	14.045	240	173451	20.000	ng	0.00
86) Perylene-d12	15.551	264	154053	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	447785	93.607	ng	0.00
7) Phenol-d6	6.481	99	528487	89.833	ng	0.00
23) Nitrobenzene-d5	7.404	82	357765	63.802	ng	0.00
42) 2,4,6-Tribromophenol	10.675	330	170122	93.467	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	648136	64.912	ng	0.00
79) Terphenyl-d14	12.975	244	669720	62.142	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.910	154	48263	5.715	ng	96
55) Dibenzofuran	10.086	168	47701	3.614	ng	99
58) Fluorene	10.428	166	85914	8.367	ng	99
71) Phenanthrene	11.404	178	752082	55.770	ng	99
72) Anthracene	11.451	178	190521	13.583	ng	99
73) Carbazole	11.610	167	77331	6.023	ng	98
75) Fluoranthene	12.604	202	1190973	81.690	ng	98
78) Pyrene	12.833	202	978938	60.646	ng	100
81) Benzo(a)anthracene	14.033	228	631339	52.484	ng	99
83) Chrysene	14.069	228	618228	53.062	ng	97
87) Indeno(1,2,3-cd)pyrene	17.098	276	260579	24.377	ng	# 93
88) Benzo(b)fluoranthene	15.110	252	958026m	105.761	ng	
89) Benzo(k)fluoranthene	15.133	252	285128m	30.915	ng	
90) Benzo(a)pyrene	15.492	252	458157m	52.305	ng	
91) Dibenzo(a,h)anthracene	17.104	278	89113	10.206	ng	98
92) Benzo(g,h,i)perylene	17.568	276	236150m	26.227	ng	

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

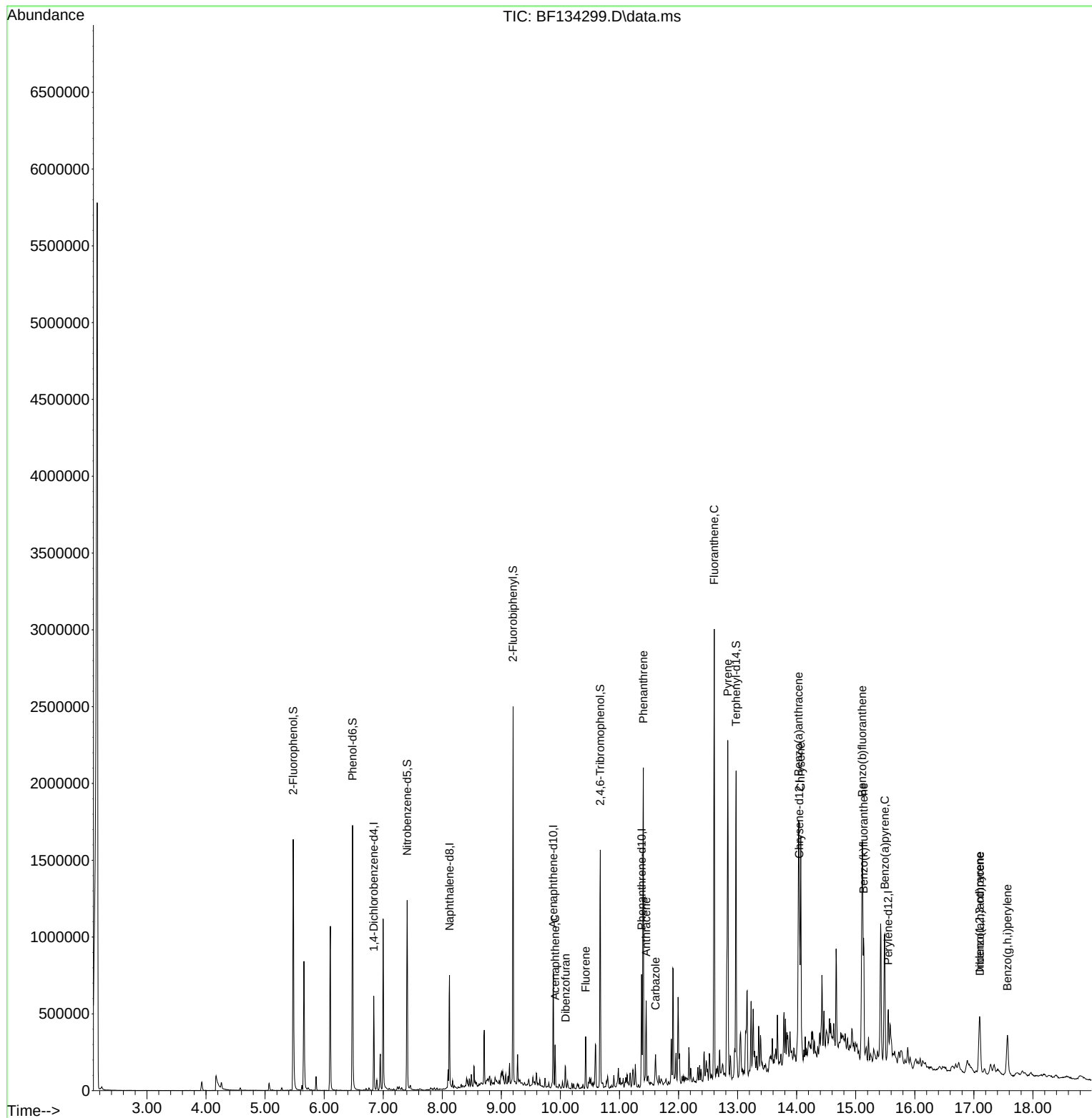
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071423\
Data File : BF134299.D
Acq On : 14 Jul 2023 20:11
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ALS Vial : 9 Sample Multiplier: 1

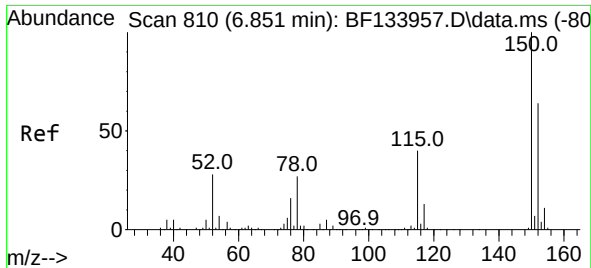
Instrument :
BNA_F
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Quant Time: Jul 14 22:39:56 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
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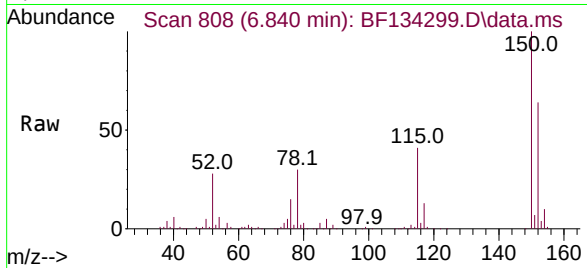
Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/19/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.840 min Scan# 80
Delta R.T. -0.005 min
Lab File: BF134299.D
Acq: 14 Jul 2023 20:11

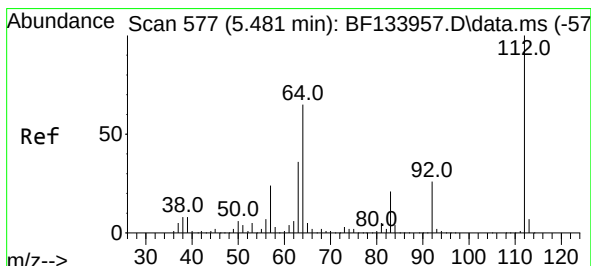
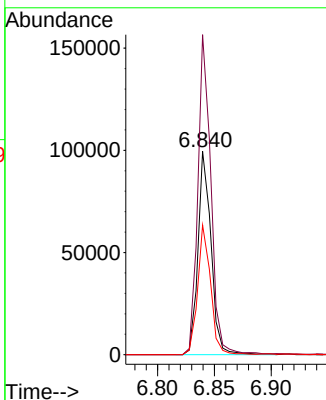
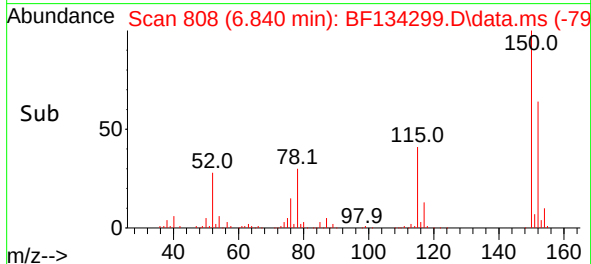
Instrument :
BNA_F
ClientSampleId :
VNJ-225



Tgt Ion:152 Resp: 80020
Ion Ratio Lower Upper
152 100
150 157.4 124.5 186.7
115 63.8 50.2 75.2

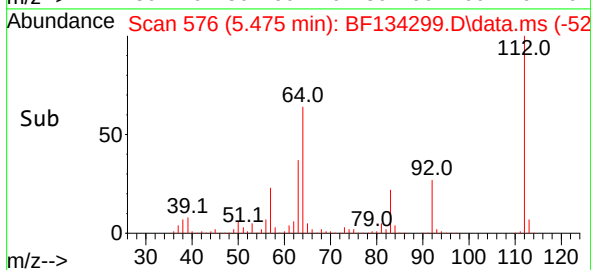
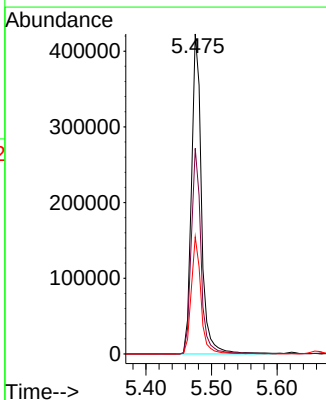
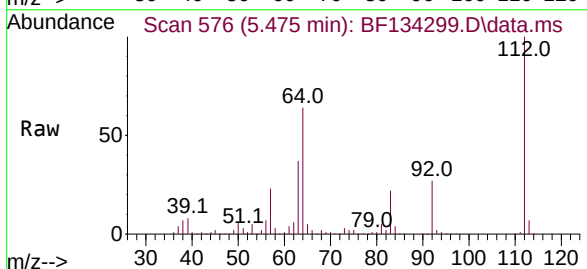
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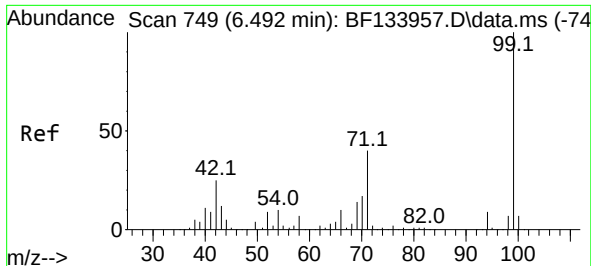
Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/19/2023



#5
2-Fluorophenol
Concen: 93.607 ng
RT: 5.475 min Scan# 576
Delta R.T. 0.006 min
Lab File: BF134299.D
Acq: 14 Jul 2023 20:11

Tgt Ion:112 Resp: 447785
Ion Ratio Lower Upper
112 100
64 64.3 52.1 78.1
63 36.6 28.6 42.8





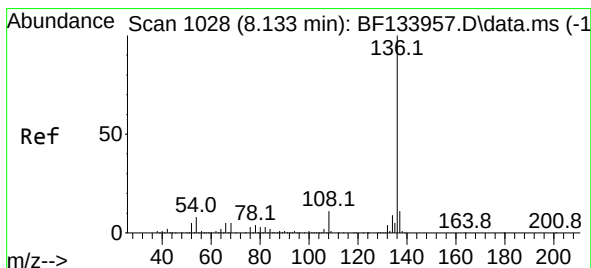
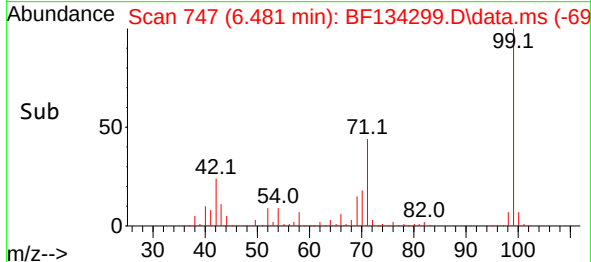
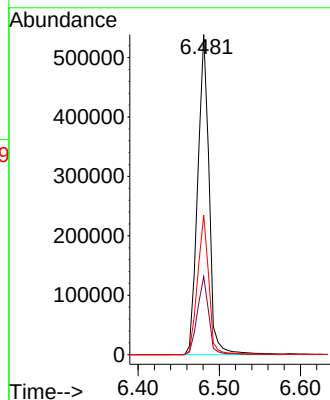
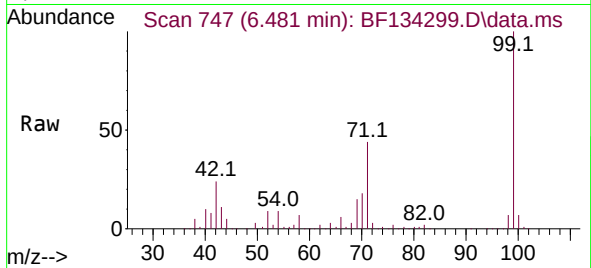
#7
Phenol-d6
Concen: 89.833 ng
RT: 6.481 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF134299.D
Acq: 14 Jul 2023 20:11

Instrument :
BNA_F
ClientSampleId :
VNJ-225

Tgt Ion: 99 Resp: 52848
Ion Ratio Lower Upper
99 100
42 24.4 19.8 29.6
71 43.7 31.9 47.9

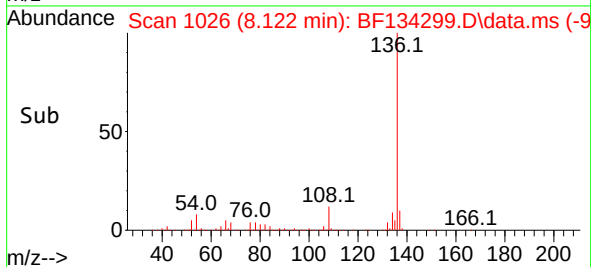
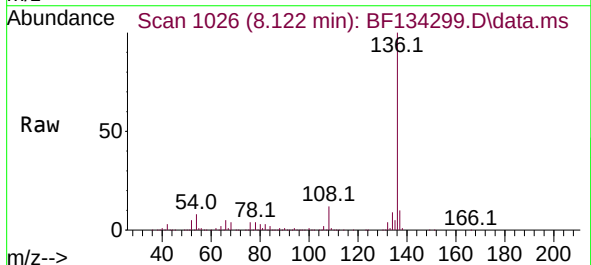
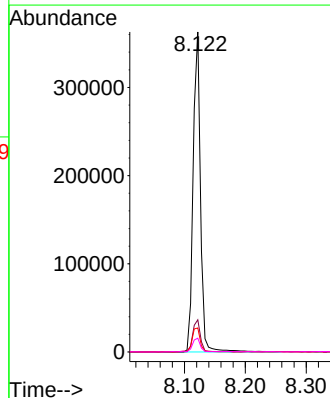
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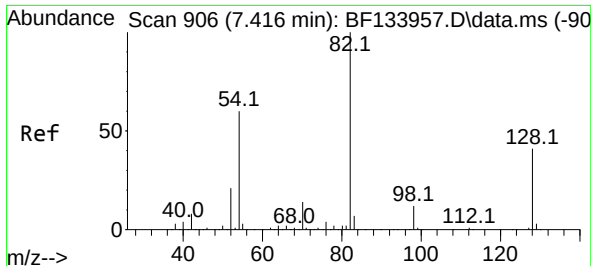
Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/19/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. 0.000 min
Lab File: BF134299.D
Acq: 14 Jul 2023 20:11

Tgt Ion:136 Resp: 302271
Ion Ratio Lower Upper
136 100
137 10.0 8.6 12.8
54 7.5 6.5 9.7
68 4.3 4.2 6.2





#23

Nitrobenzene-d5

Concen: 63.802 ng

RT: 7.404 min Scan# 906

Delta R.T. -0.006 min

Lab File: BF134299.D

Acq: 14 Jul 2023 20:11

Instrument :

BNA_F

ClientSampleId :

VNJ-225

Tgt Ion: 82 Resp: 35776

Ion Ratio Lower Upper

82 100

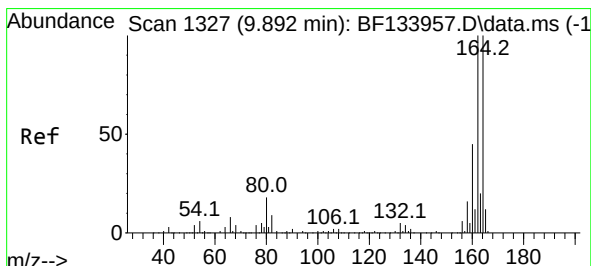
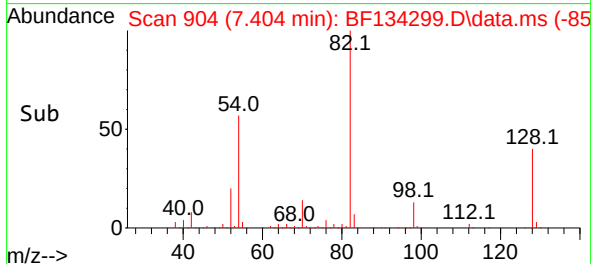
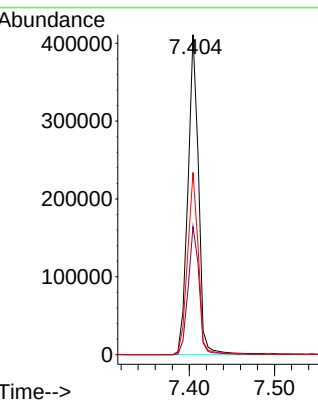
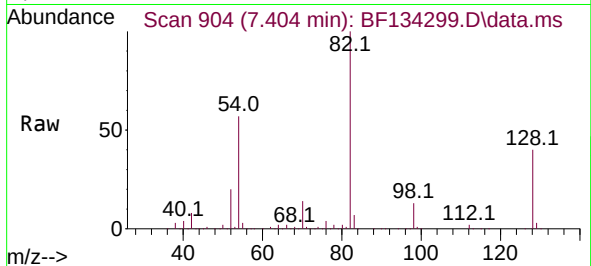
128 40.0 32.5 48.7

54 57.0 48.2 72.2

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.881 min Scan# 1325

Delta R.T. 0.000 min

Lab File: BF134299.D

Acq: 14 Jul 2023 20:11

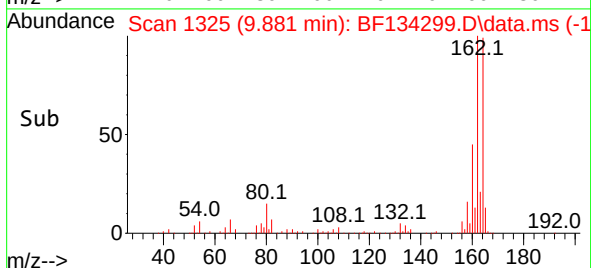
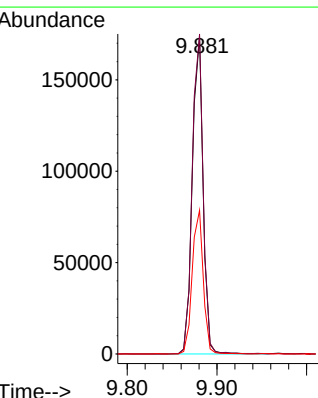
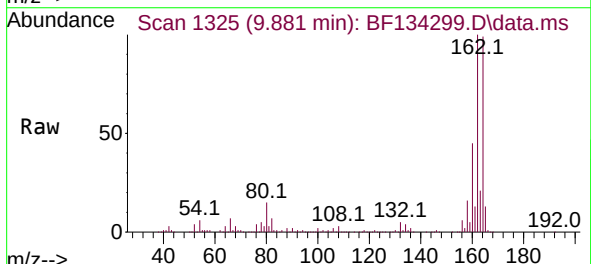
Tgt Ion:164 Resp: 145169

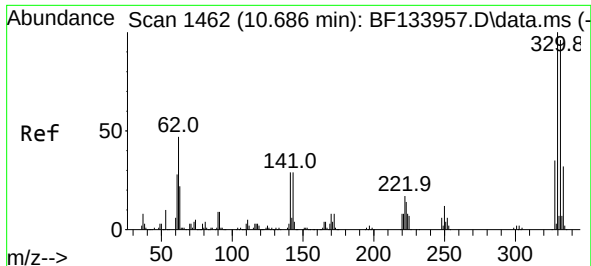
Ion Ratio Lower Upper

164 100

162 100.8 80.0 120.0

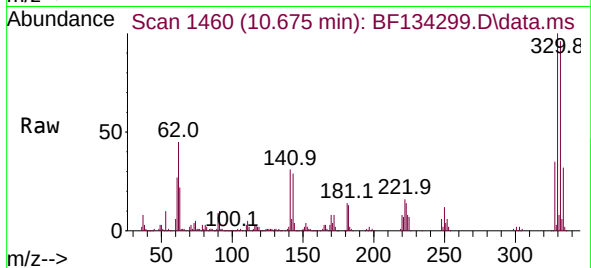
160 45.3 35.9 53.9





#42
2,4,6-Tribromophenol
Concen: 93.467 ng
RT: 10.675 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF134299.D
Acq: 14 Jul 2023 20:11

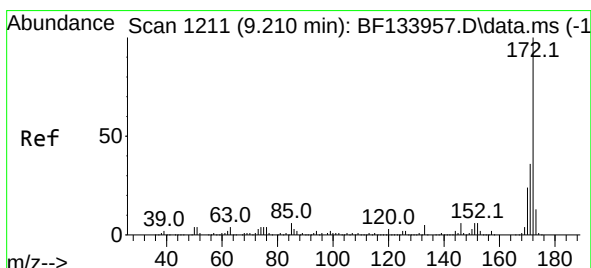
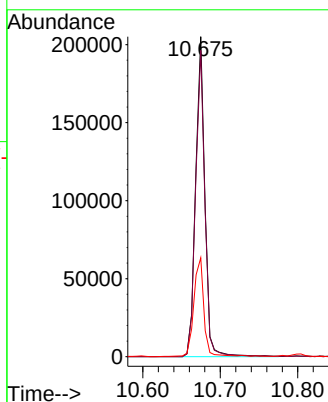
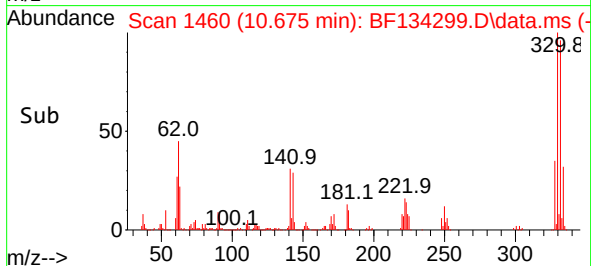
Instrument :
BNA_F
ClientSampleId :
VNJ-225



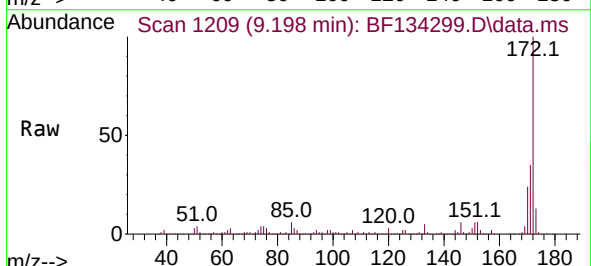
Tgt Ion:330 Resp: 17012
Ion Ratio Lower Upper
330 100
332 96.3 77.0 115.6
141 34.2 26.3 39.5

Manual Integrations
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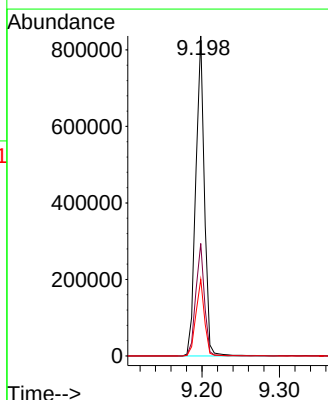
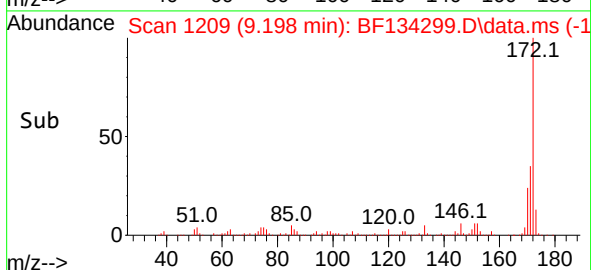
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Supervised By :mohammad ahmed 07/19/2023

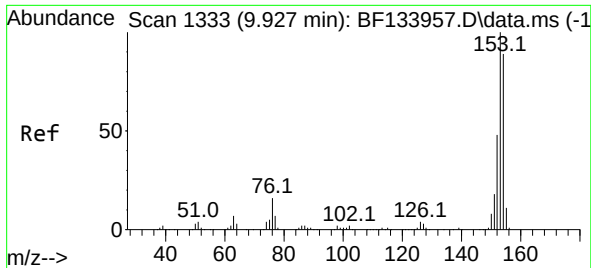


#45
2-Fluorobiphenyl
Concen: 64.912 ng
RT: 9.198 min Scan# 1209
Delta R.T. -0.006 min
Lab File: BF134299.D
Acq: 14 Jul 2023 20:11



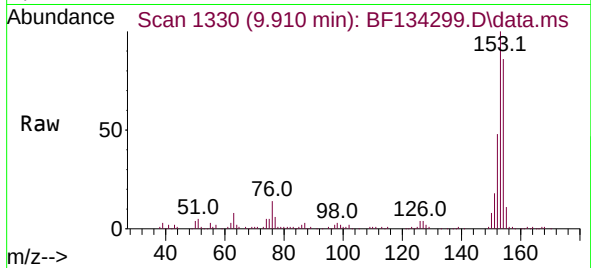
Tgt Ion:172 Resp: 648136
Ion Ratio Lower Upper
172 100
171 35.1 28.6 43.0
170 23.9 19.4 29.0





#52
Acenaphthene
Concen: 5.715 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.006 min
Lab File: BF134299.D
Acq: 14 Jul 2023 20:11

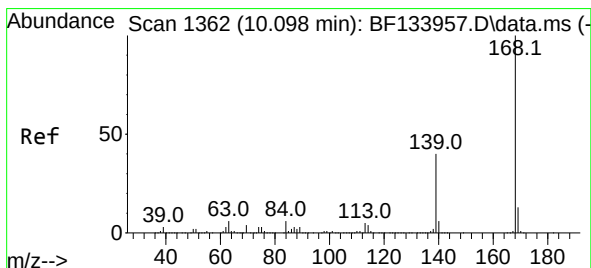
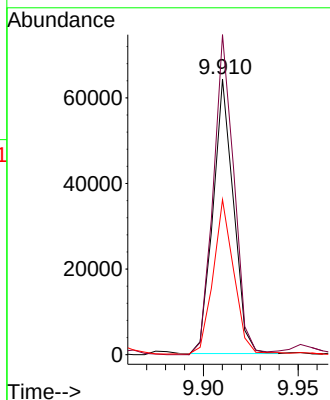
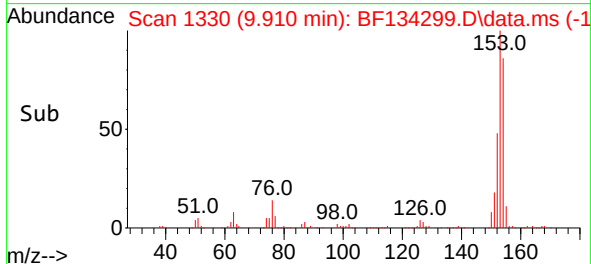
Instrument :
BNA_F
ClientSampleId :
VNJ-225



Tgt Ion:154 Resp: 4826
Ion Ratio Lower Upper
154 100
153 116.1 89.4 134.2
152 56.2 42.8 64.2

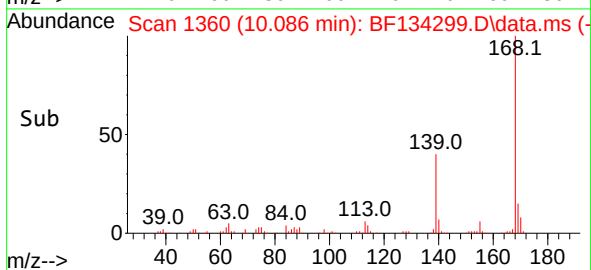
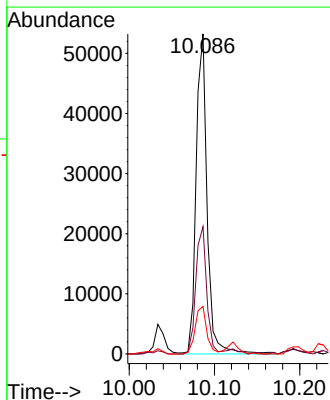
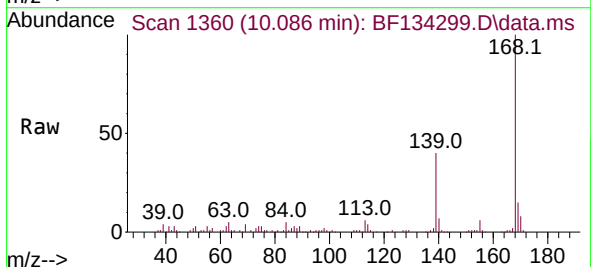
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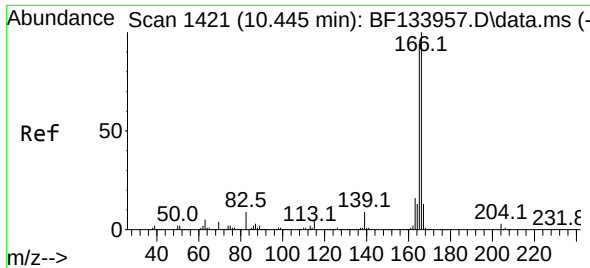
Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/19/2023



#55
Dibenzofuran
Concen: 3.614 ng
RT: 10.086 min Scan# 1360
Delta R.T. -0.006 min
Lab File: BF134299.D
Acq: 14 Jul 2023 20:11

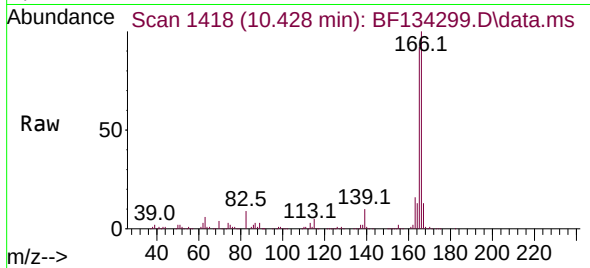
Tgt Ion:168 Resp: 47701
Ion Ratio Lower Upper
168 100
139 39.8 32.0 48.0
169 14.9 10.6 16.0





#58
Fluorene
Concen: 8.367 ng
RT: 10.428 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF134299.D
Acq: 14 Jul 2023 20:11

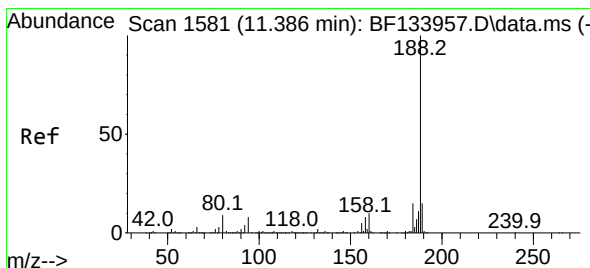
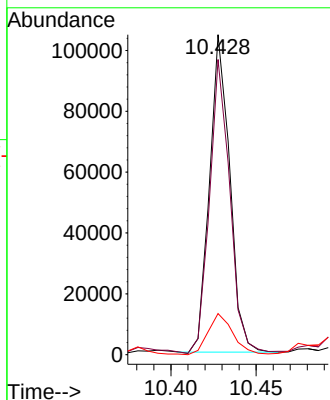
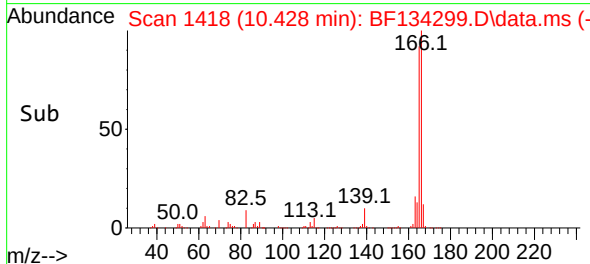
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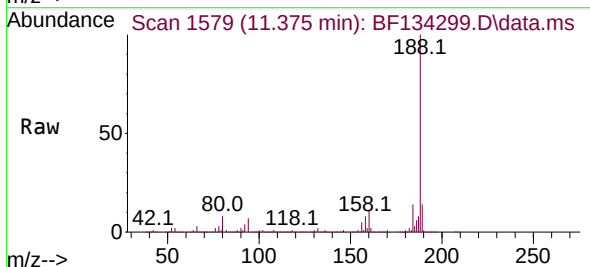
Tgt Ion:166 Resp: 85914
Ion Ratio Lower Upper
166 100
165 92.2 75.0 112.4
167 12.8 10.6 15.8

Manual Integrations
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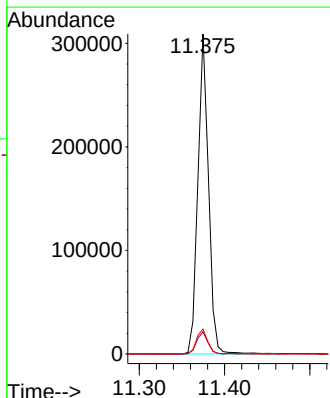
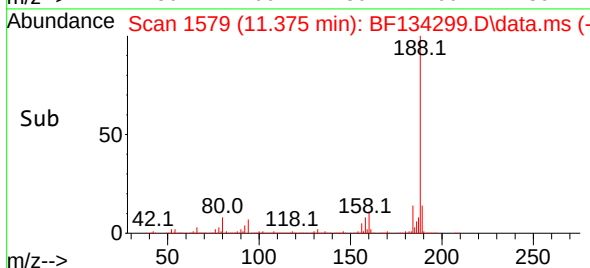
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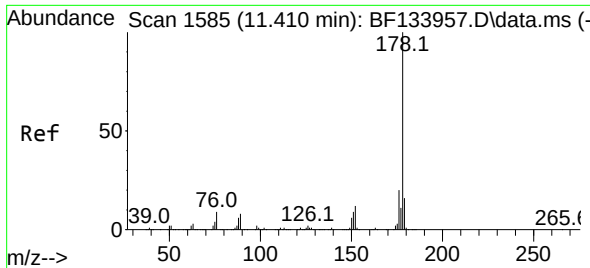


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.375 min Scan# 1579
Delta R.T. 0.000 min
Lab File: BF134299.D
Acq: 14 Jul 2023 20:11



Tgt Ion:188 Resp: 267880
Ion Ratio Lower Upper
188 100
94 7.0 6.4 9.6
80 7.7 7.3 10.9





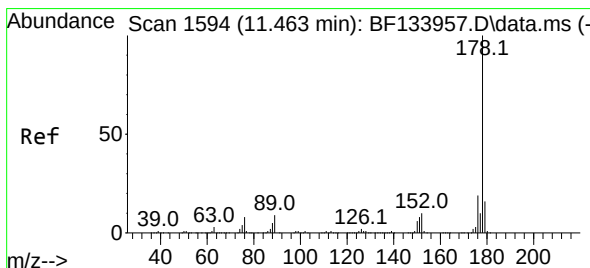
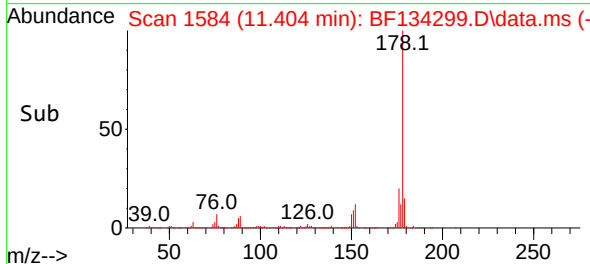
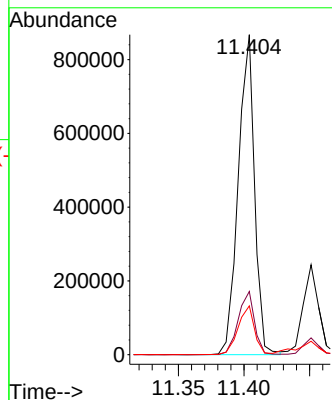
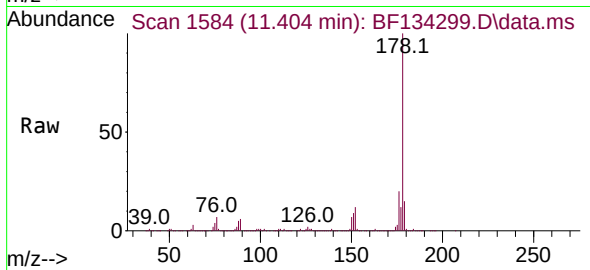
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Phenanthrene
Concen: 55.770 ng
RT: 11.404 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF134299.D
Acq: 14 Jul 2023 20:11

Instrument :
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ClientSampleId :
VNJ-225

Tgt Ion:178 Resp: 75208
Ion Ratio Lower Upper
178 100
176 19.8 16.0 24.0
179 15.3 12.4 18.6

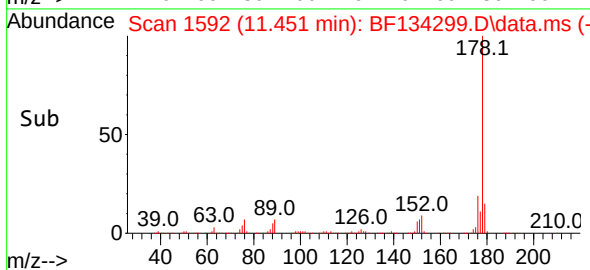
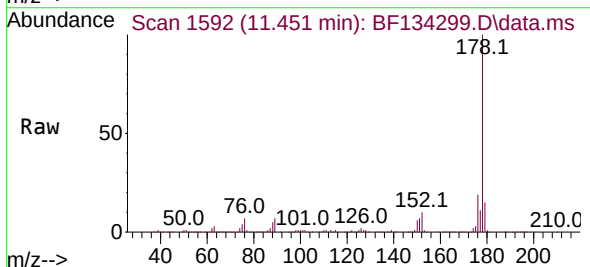
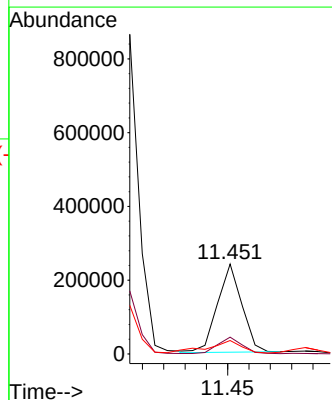
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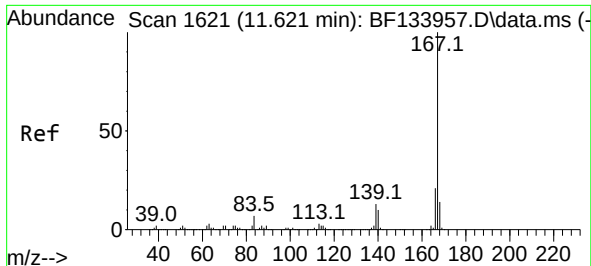
Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/19/2023



#72
Anthracene
Concen: 13.583 ng
RT: 11.451 min Scan# 1592
Delta R.T. -0.006 min
Lab File: BF134299.D
Acq: 14 Jul 2023 20:11

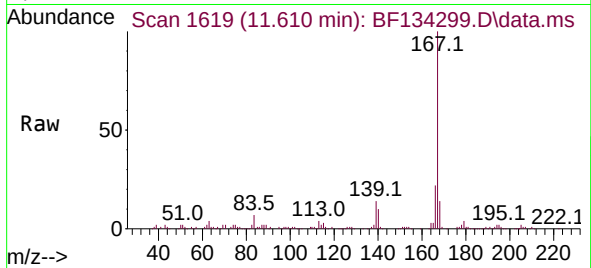
Tgt Ion:178 Resp: 190521
Ion Ratio Lower Upper
178 100
176 18.7 15.3 22.9
179 15.0 12.4 18.6





#73
 Carbazole
 Concen: 6.023 ng
 RT: 11.610 min Scan# 1619
 Delta R.T. -0.006 min
 Lab File: BF134299.D
 Acq: 14 Jul 2023 20:11

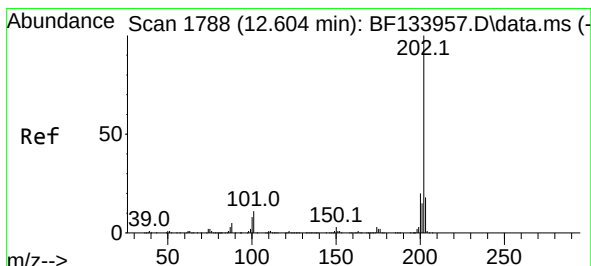
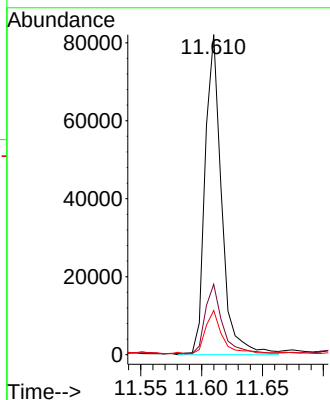
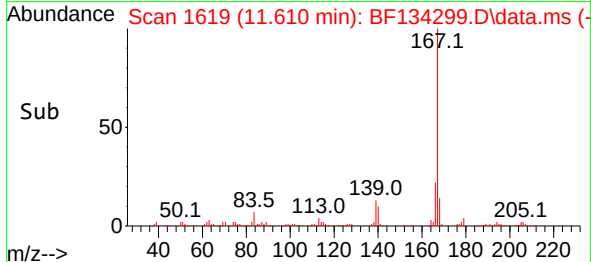
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-225



Tgt Ion:167 Resp: 7733
 Ion Ratio Lower Upper
 167 100
 166 22.0 17.0 25.6
 139 13.8 10.4 15.6

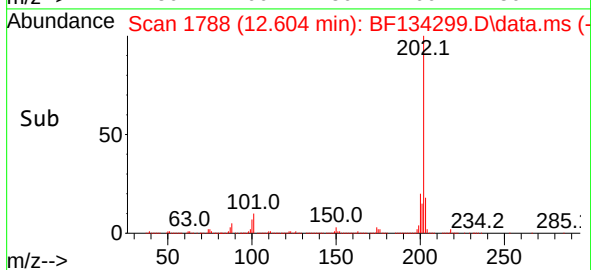
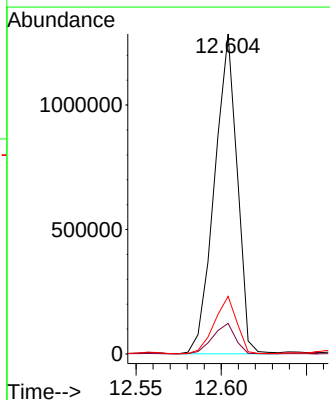
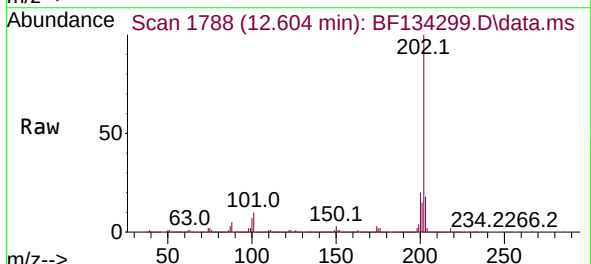
Manual Integrations
 APPROVED

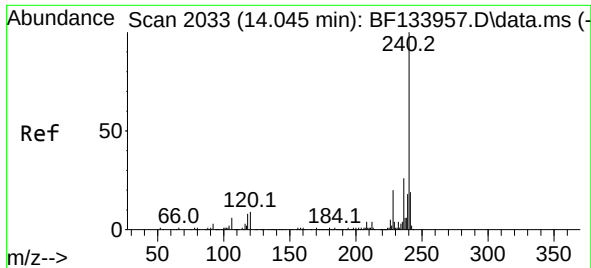
Reviewed By :Jagrut Upadhyay 07/15/2023
 Supervised By :mohammad ahmed 07/19/2023



#75
 Fluoranthene
 Concen: 81.690 ng
 RT: 12.604 min Scan# 1788
 Delta R.T. 0.006 min
 Lab File: BF134299.D
 Acq: 14 Jul 2023 20:11

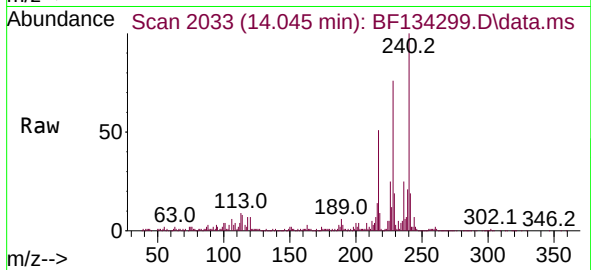
Tgt Ion:202 Resp: 1190973
 Ion Ratio Lower Upper
 202 100
 101 9.6 0.0 31.0
 203 18.0 0.0 37.6





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2033
Delta R.T. 0.006 min
Lab File: BF134299.D
Acq: 14 Jul 2023 20:11

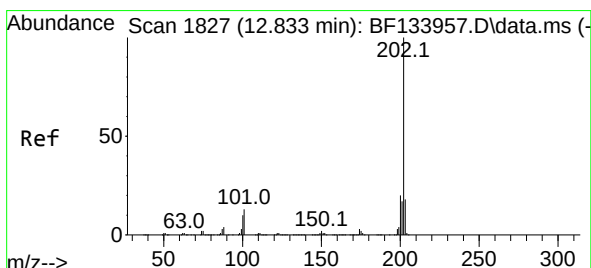
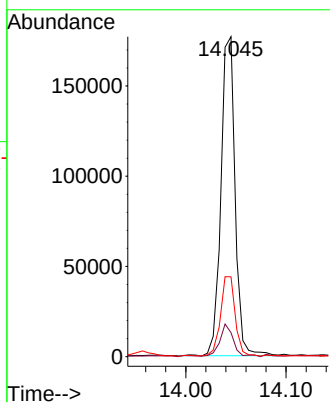
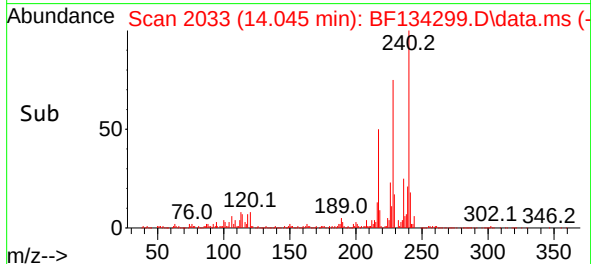
Instrument :
BNA_F
ClientSampleId :
VNJ-225



Tgt Ion:240 Resp: 17345
Ion Ratio Lower Upper
240 100
120 7.5 7.4 11.0
236 25.0 21.0 31.6

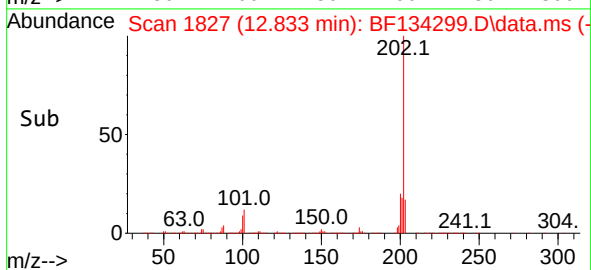
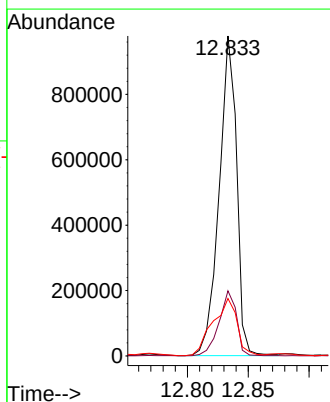
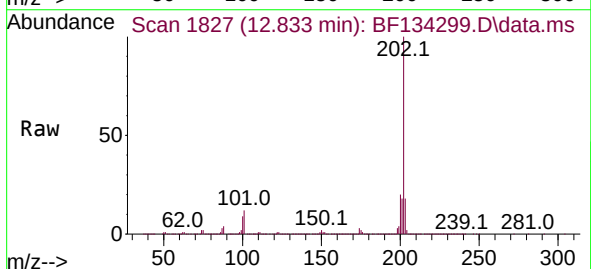
Manual Integrations
APPROVED

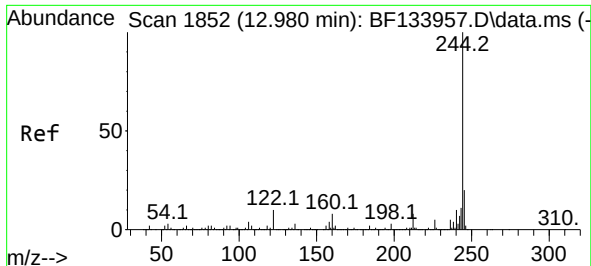
Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/19/2023



#78
Pyrene
Concen: 60.646 ng
RT: 12.833 min Scan# 1827
Delta R.T. 0.000 min
Lab File: BF134299.D
Acq: 14 Jul 2023 20:11

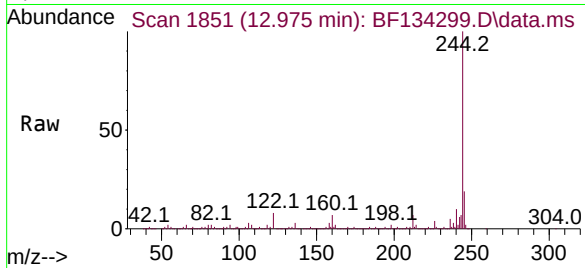
Tgt Ion:202 Resp: 978938
Ion Ratio Lower Upper
202 100
200 20.4 16.1 24.1
203 18.0 14.3 21.5





#79
 Terphenyl-d14
 Concen: 62.142 ng
 RT: 12.975 min Scan# 1851
 Delta R.T. 0.000 min
 Lab File: BF134299.D
 Acq: 14 Jul 2023 20:11

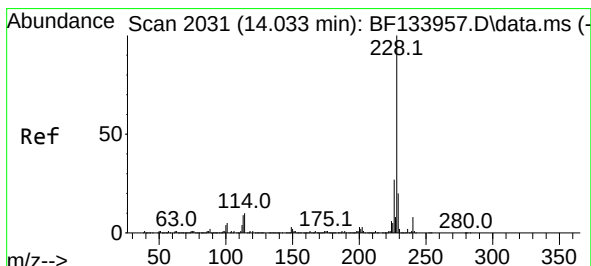
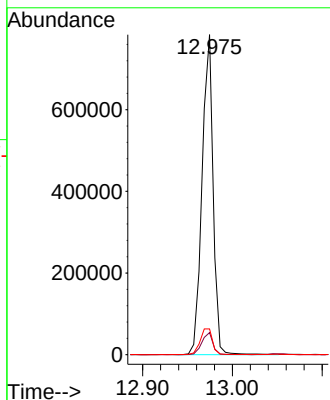
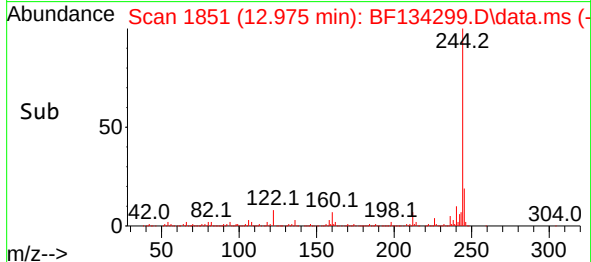
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-225



Tgt Ion:244 Resp: 669720
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.0 9.0
 122 8.0 8.3 12.5

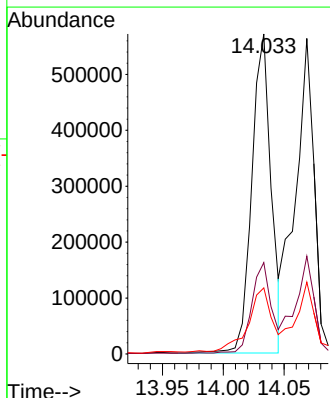
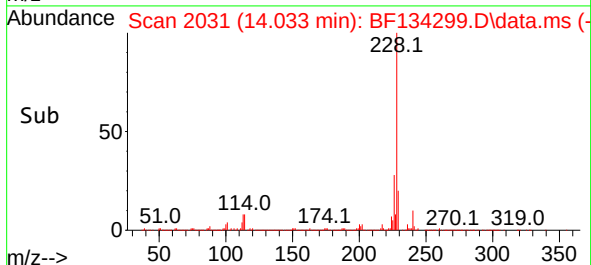
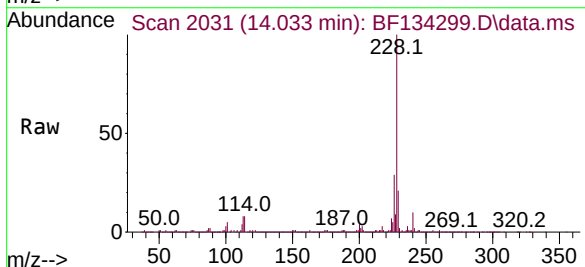
Manual Integrations
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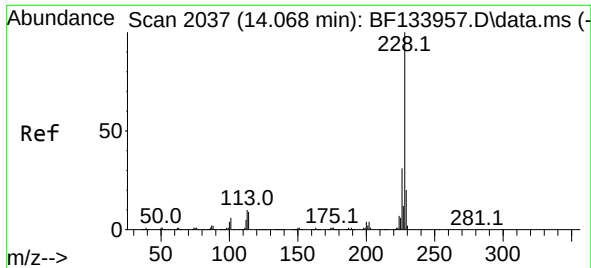
Reviewed By :Jagrut Upadhyay 07/15/2023
 Supervised By :mohammad ahmed 07/19/2023



#81
 Benzo(a)anthracene
 Concen: 52.484 ng
 RT: 14.033 min Scan# 2031
 Delta R.T. 0.006 min
 Lab File: BF134299.D
 Acq: 14 Jul 2023 20:11

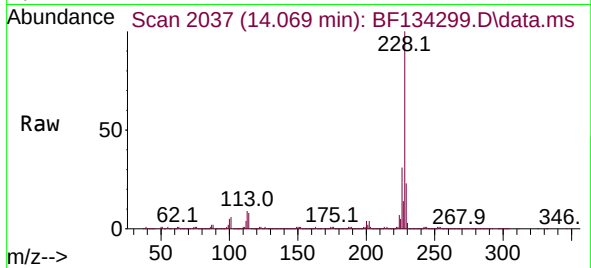
Tgt Ion:228 Resp: 631339
 Ion Ratio Lower Upper
 228 100
 226 28.6 22.0 33.0
 229 20.7 16.3 24.5





#83
Chrysene
Concen: 53.062 ng
RT: 14.069 min Scan# 2037
Delta R.T. 0.000 min
Lab File: BF134299.D
Acq: 14 Jul 2023 20:11

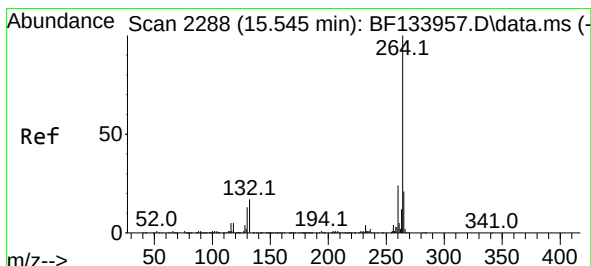
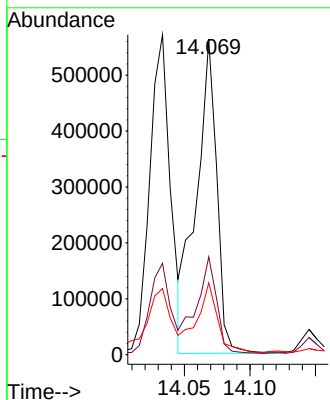
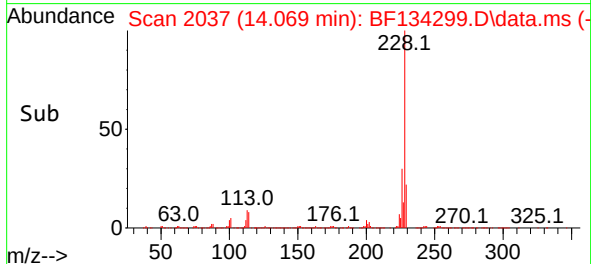
Instrument :
BNA_F
ClientSampleId :
VNJ-225



Tgt Ion:228 Resp: 618228
Ion Ratio Lower Upper
228 100
226 31.0 24.4 36.6
229 22.8 16.1 24.1

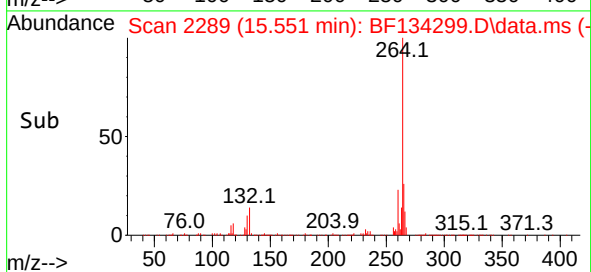
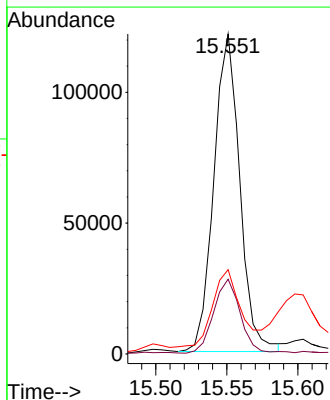
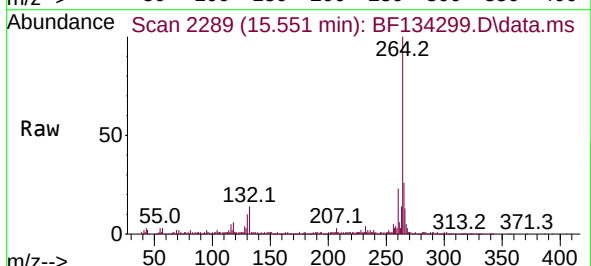
Manual Integrations
APPROVED

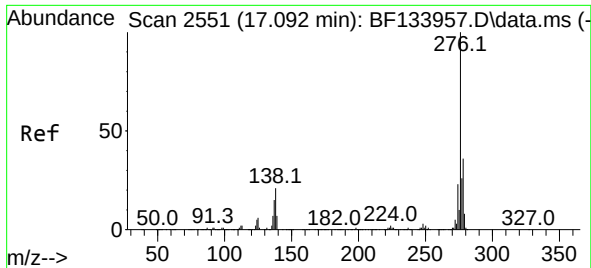
Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/19/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 2289
Delta R.T. 0.006 min
Lab File: BF134299.D
Acq: 14 Jul 2023 20:11

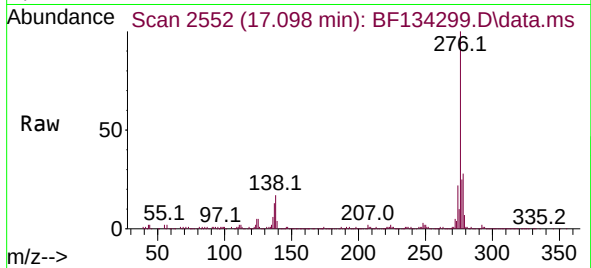
Tgt Ion:264 Resp: 154053
Ion Ratio Lower Upper
264 100
260 23.4 19.5 29.3
265 26.3 16.6 25.0#





#87
Indeno(1,2,3-cd)pyrene
Concen: 24.377 ng
RT: 17.098 min Scan# 2114
Delta R.T. 0.000 min
Lab File: BF134299.D
Acq: 14 Jul 2023 20:11

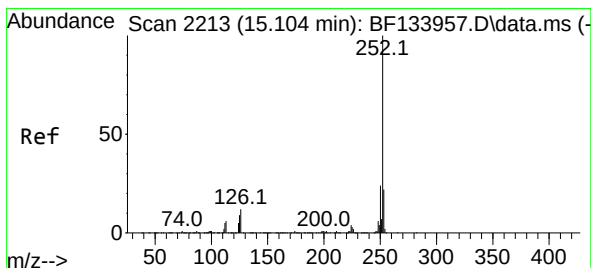
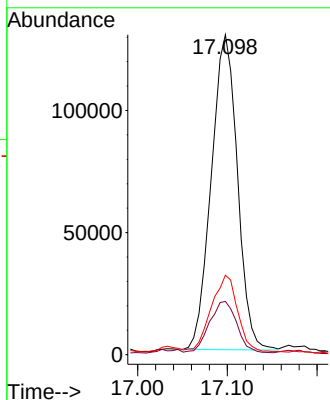
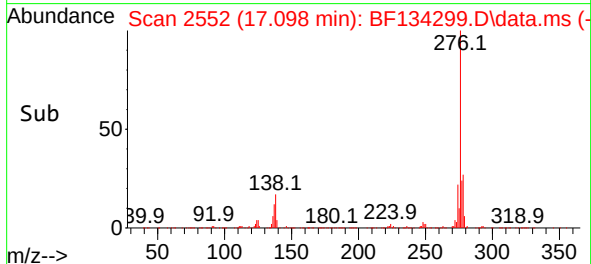
Instrument :
BNA_F
ClientSampleId :
VNJ-225



Tgt Ion:276 Resp: 260579
Ion Ratio Lower Upper
276 100
138 17.5 18.7 28.1
277 26.2 19.9 29.9

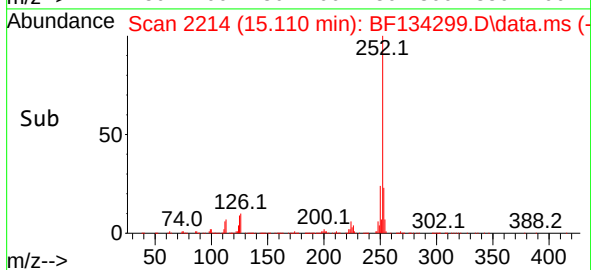
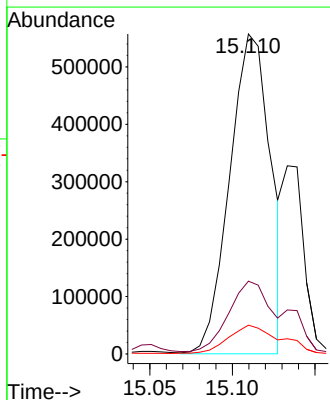
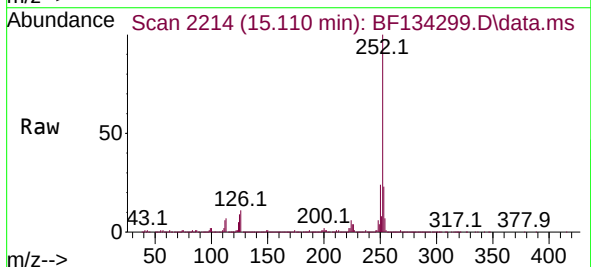
Manual Integrations
APPROVED

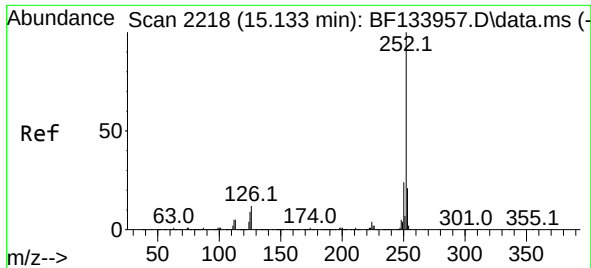
Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/19/2023



#88
Benzo(b)fluoranthene
Concen: 105.761 ng m
RT: 15.110 min Scan# 2214
Delta R.T. 0.006 min
Lab File: BF134299.D
Acq: 14 Jul 2023 20:11

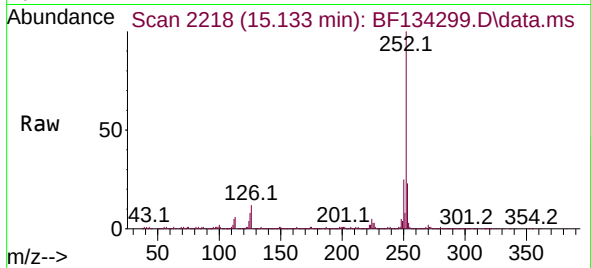
Tgt Ion:252 Resp: 958026
Ion Ratio Lower Upper
252 100
253 22.7 17.4 26.0
125 9.0 7.1 10.7





#89
Benzo(k)fluoranthene
Concen: 30.915 ng m
RT: 15.133 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF134299.D
Acq: 14 Jul 2023 20:11

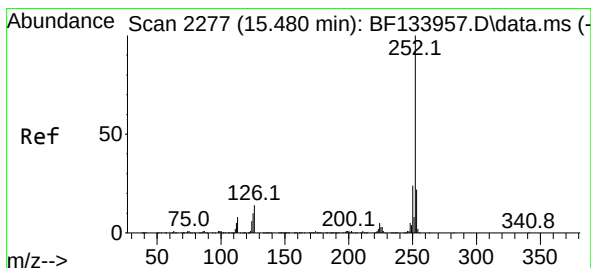
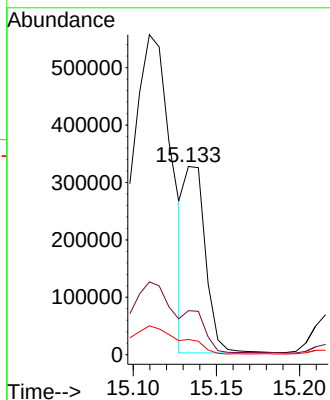
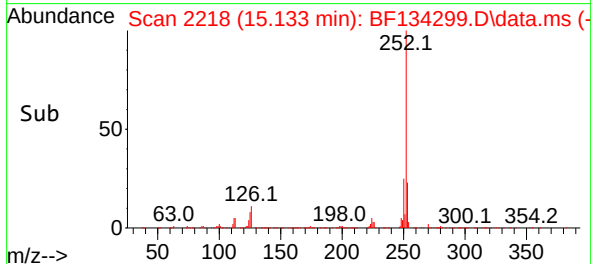
Instrument :
BNA_F
ClientSampleId :
VNJ-225



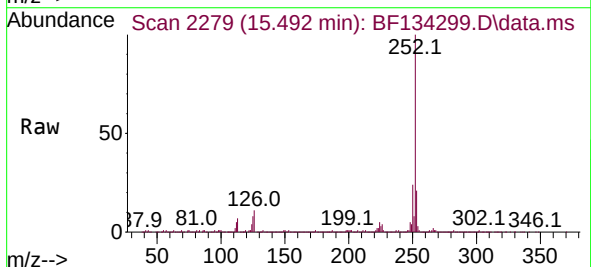
Tgt Ion:252 Resp: 285128
Ion Ratio Lower Upper
252 100
253 23.4 16.9 25.3
125 8.1 7.4 11.2

Manual Integrations
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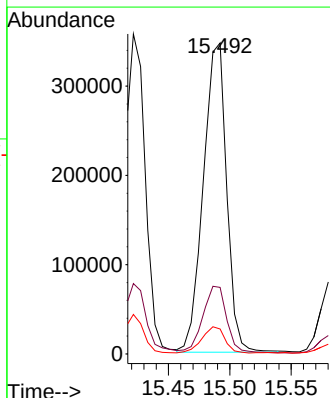
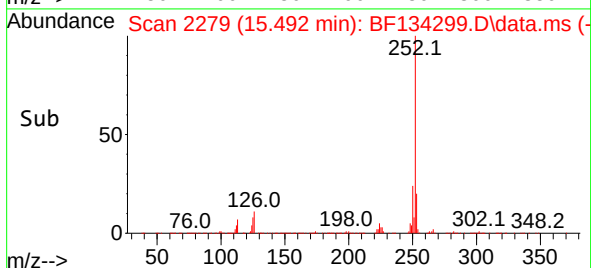
Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/19/2023

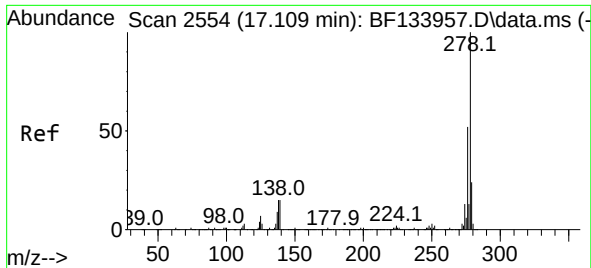


#90
Benzo(a)pyrene
Concen: 52.305 ng m
RT: 15.492 min Scan# 2279
Delta R.T. 0.012 min
Lab File: BF134299.D
Acq: 14 Jul 2023 20:11



Tgt Ion:252 Resp: 458157
Ion Ratio Lower Upper
252 100
253 21.4 17.4 26.0
125 8.0 8.4 12.6#





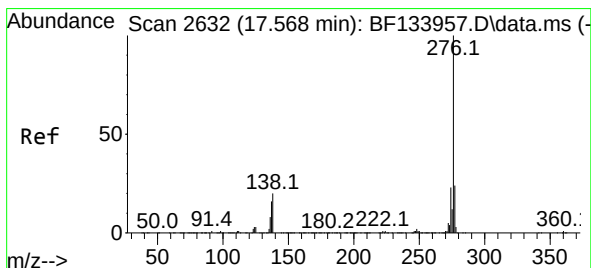
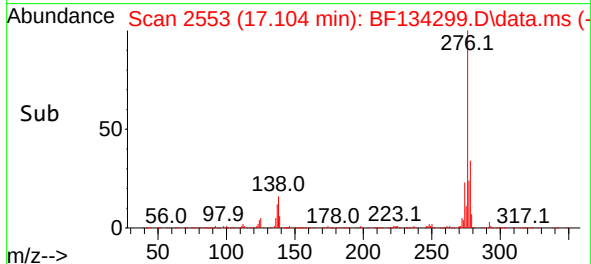
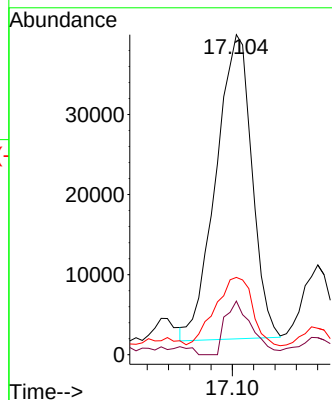
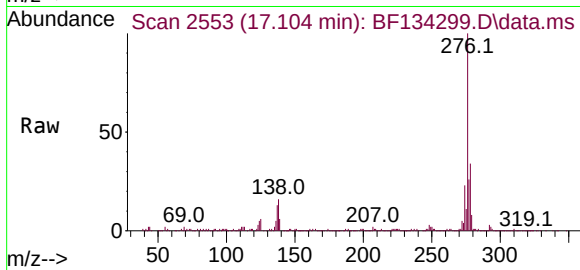
#91
Dibenzo(a,h)anthracene
Concen: 10.206 ng
RT: 17.104 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF134299.D
Acq: 14 Jul 2023 20:11

Instrument :
BNA_F
ClientSampleId :
VNJ-225

Tgt Ion:278 Resp: 8911
Ion Ratio Lower Upper
278 100
139 16.7 12.2 18.4
279 24.2 19.4 29.2

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 07/15/2023
Supervised By :mohammad ahmed 07/19/2023



#92
Benzo(g,h,i)perylene
Concen: 26.227 ng m
RT: 17.568 min Scan# 2632
Delta R.T. 0.000 min
Lab File: BF134299.D
Acq: 14 Jul 2023 20:11

Tgt Ion:276 Resp: 236150
Ion Ratio Lower Upper
276 100
277 23.2 19.0 28.6
138 16.1 16.2 24.2#

