

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101723\
 Data File : BF135831.D
 Acq On : 18 Oct 2023 01:07
 Operator : CG\JU
 Sample : 04812-01DL 25X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-223DL

Manual Integrations
 APPROVED

Reviewed By :Yogesh
 Patel

Quant Time: Oct 18 02:05:40 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 17 01:22:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.739	152	82248	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	288762	20.000	ng	0.00
39) Acenaphthene-d10	9.774	164	131908	20.000	ng	-0.01
64) Phenanthrene-d10	11.274	188	229161	20.000	ng	# 0.00
76) Chrysene-d12	13.945	240	154544	20.000	ng	0.00
86) Perylene-d12	15.421	264	129915	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	14408	2.816	ng	0.04
7) Phenol-d6	6.428	99	22392	3.508	ng	0.03
23) Nitrobenzene-d5	7.316	82	14474	2.757	ng	0.00
42) 2,4,6-Tribromophenol	10.580	330	4093	3.234	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	31923	3.784	ng	-0.01
79) Terphenyl-d14	12.868	244	32040	3.839	ng	-0.01
Target Compounds						
						Qvalue
52) Acenaphthene	9.810	154	45638	6.318	ng	98
55) Dibenzofuran	9.986	168	34459	3.162	ng	95
58) Fluorene	10.327	166	57980	6.795	ng	99
71) Phenanthrene	11.298	178	250060	22.779	ng	98
72) Anthracene	11.351	178	157302	13.828	ng	99
73) Carbazole	11.516	167	27843	2.624	ng	97
75) Fluoranthene	12.504	202	920379	75.540	ng	96
78) Pyrene	12.733	202	740324	60.283	ng	99
81) Benzo(a)anthracene	13.933	228	390667	38.485	ng	99
83) Chrysene	13.968	228	331994	33.766	ng	99
84) Bis(2-ethylhexyl)phtha...	13.910	149	17367	2.374	ng	99
87) Indeno(1,2,3-cd)pyrene	16.933	276	212721	30.051	ng	93
88) Benzo(b)fluoranthene	14.998	252	453885m	62.425	ng	
89) Benzo(k)fluoranthene	15.021	252	142910m	20.245	ng	
90) Benzo(a)pyrene	15.362	252	307162	44.926	ng	98
91) Dibenzo(a,h)anthracene	16.933	278	45884m	7.907	ng	
92) Benzo(g,h,i)perylene	17.386	276	215185	36.100	ng	98

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

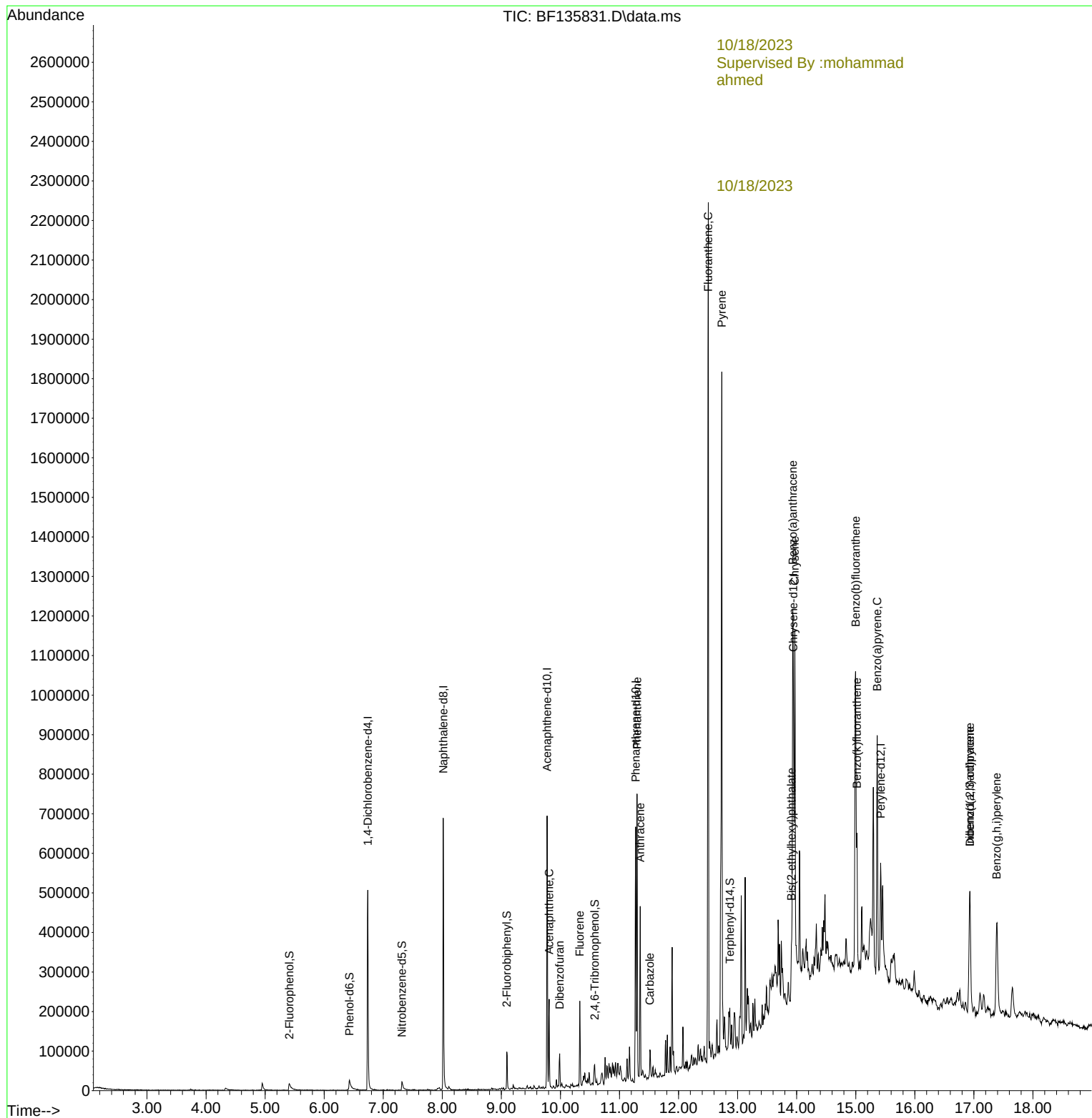
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101723\
Data File : BF135831.D
Acq On : 18 Oct 2023 01:07
Operator : CG\JU
Sample : 04812-01DL 25X
Misc :
ALS Vial : 18 Sample Multiplier: 1

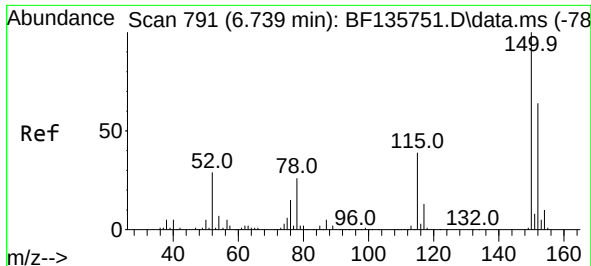
Instrument :
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VNJ-223DL

Quant Time: Oct 18 02:05:40 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
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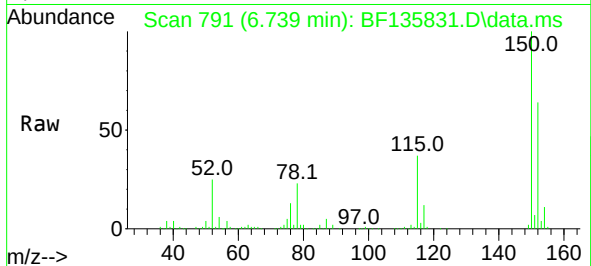
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.739 min Scan# 791
Delta R.T. -0.007 min
Lab File: BF135831.D
Acq: 18 Oct 2023 01:07

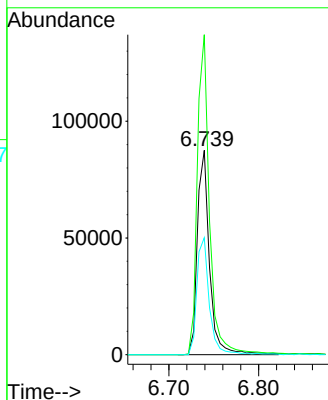
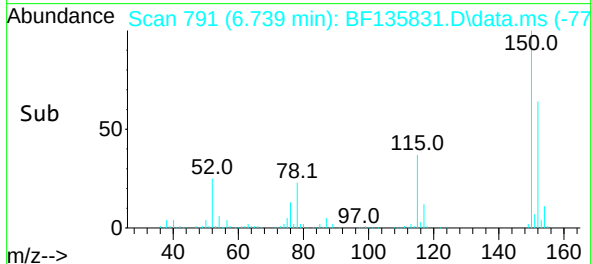
Instrument :
BNA_F
ClientSampleId :
VNJ-223DL



Tgt Ion:152 Resp: 82248
Ion Ratio Lower Upper
152 100
150 156.7 124.5 186.7
115 57.3 49.0 73.4

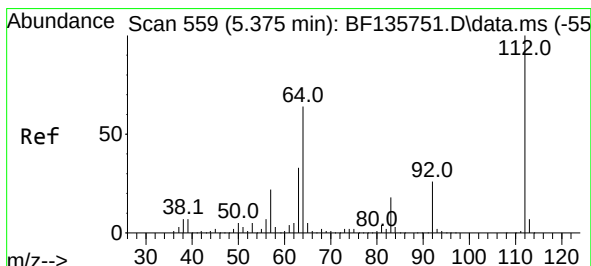
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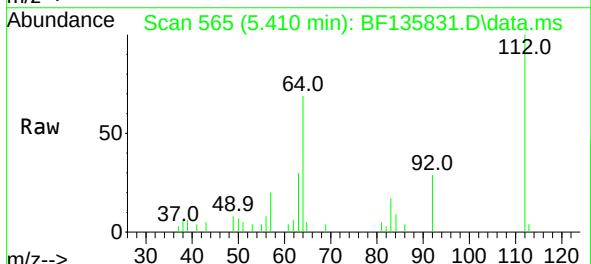


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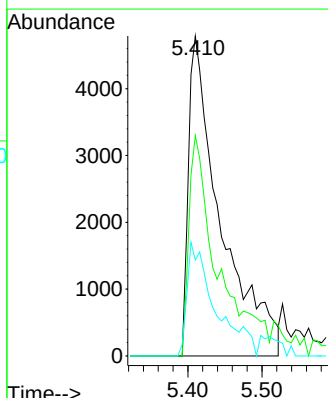
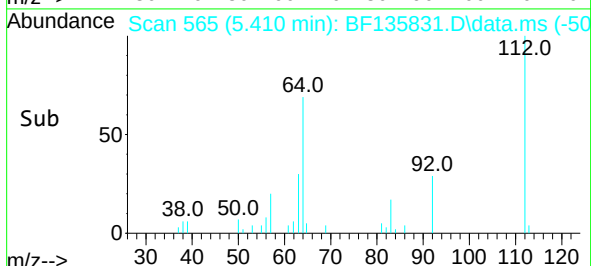
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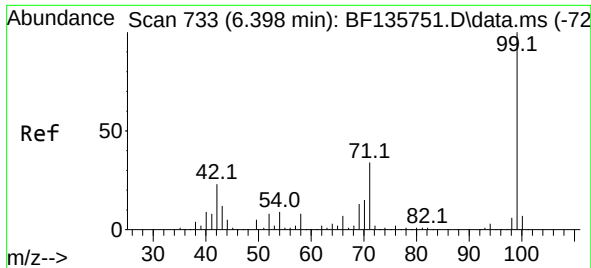


#5
2-Fluorophenol
Concen: 2.816 ng
RT: 5.410 min Scan# 565
Delta R.T. 0.035 min
Lab File: BF135831.D
Acq: 18 Oct 2023 01:07



Tgt Ion:112 Resp: 14408
Ion Ratio Lower Upper
112 100
64 68.9 51.2 76.8
63 30.0 26.1 39.1





#7

Phenol-d6

Concen: 3.508 ng

RT: 6.428 min Scan# 71

Delta R.T. 0.029 min

Lab File: BF135831.D

Acq: 18 Oct 2023 01:07

Instrument :

BNA_F

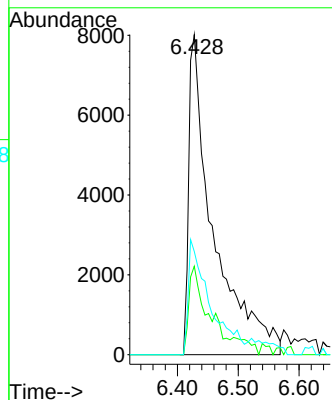
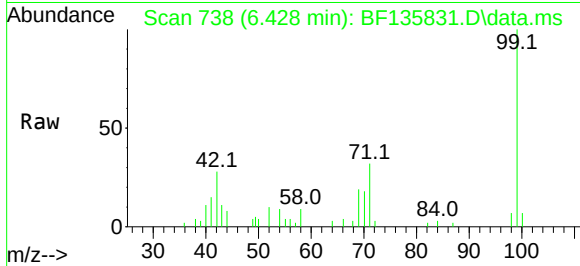
ClientSampleId :

VNJ-223DL

Tgt Ion: 99	Resp: 22392
Ion Ratio	Lower Upper
99 100	
42 27.7	18.4 27.6
71 32.3	27.2 40.8

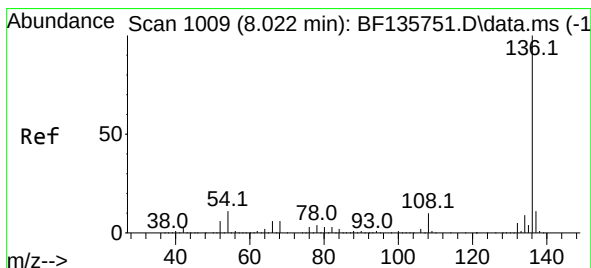
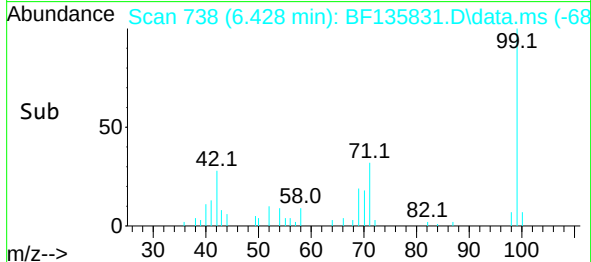
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#21

Naphthalene-d8

Concen: 20.000 ng

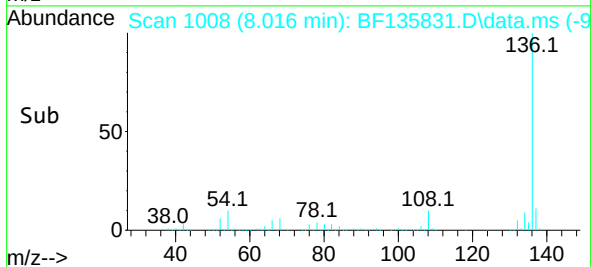
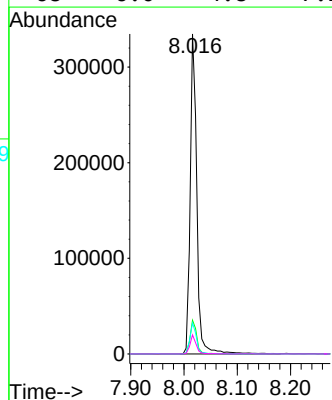
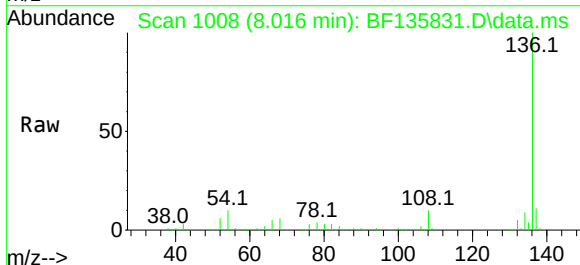
RT: 8.016 min Scan# 1008

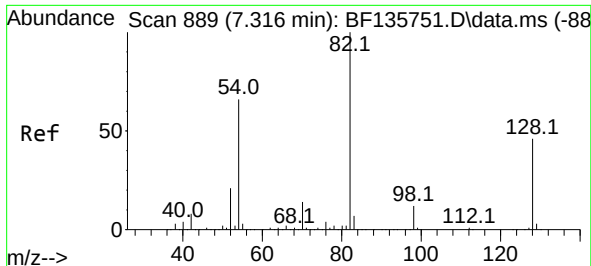
Delta R.T. -0.006 min

Lab File: BF135831.D

Acq: 18 Oct 2023 01:07

Tgt Ion:136	Resp: 288762
Ion Ratio	Lower Upper
136 100	
137 10.6	8.6 12.8
54 9.7	8.5 12.7
68 6.0	4.8 7.2





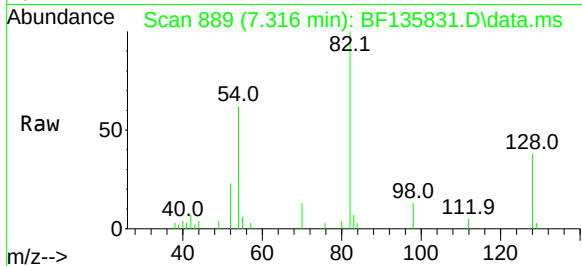
#23
Nitrobenzene-d5
Concen: 2.757 ng
RT: 7.316 min Scan# 889
Delta R.T. -0.000 min
Lab File: BF135831.D
Acq: 18 Oct 2023 01:07

Instrument :

BNA_F

ClientSampleId :

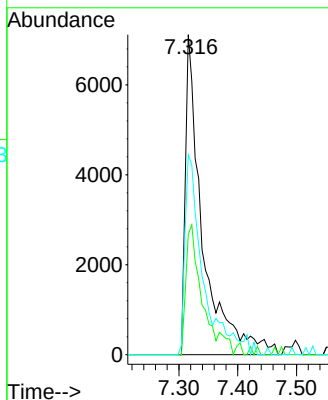
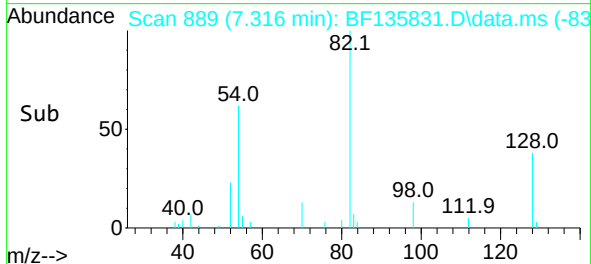
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Tgt Ion: 82 Resp: 14474
Ion Ratio Lower Upper
82 100
128 37.6 37.0 55.6
54 62.5 52.8 79.2

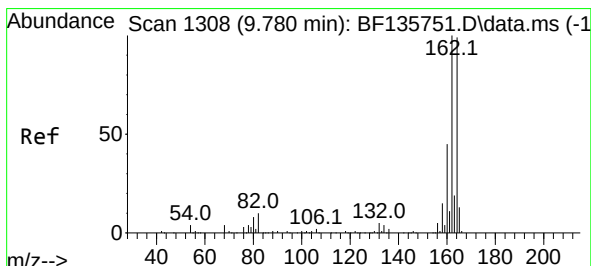
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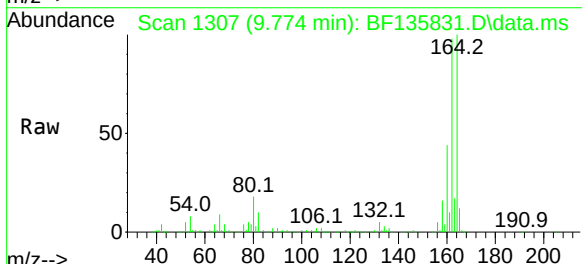


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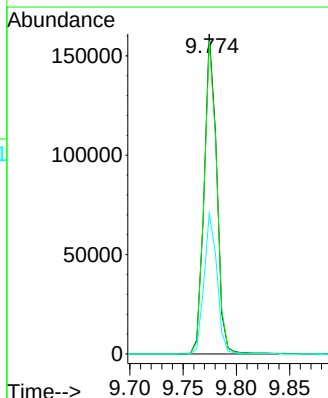
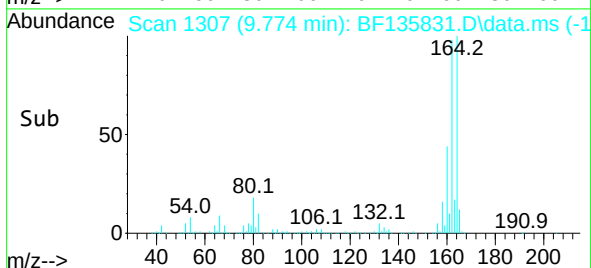
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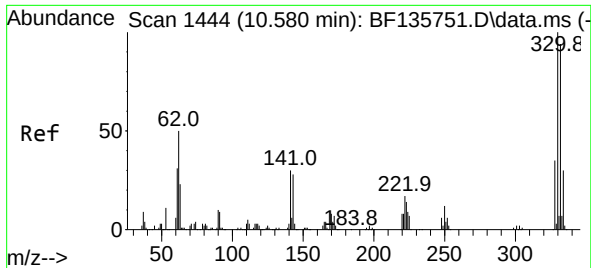


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.774 min Scan# 1307
Delta R.T. -0.012 min
Lab File: BF135831.D
Acq: 18 Oct 2023 01:07



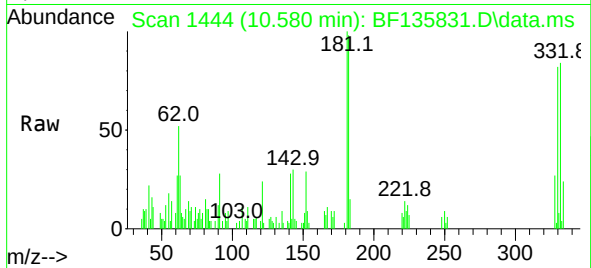
Tgt Ion:164 Resp: 131908
Ion Ratio Lower Upper
164 100
162 97.8 80.8 121.2
160 43.9 36.6 54.8





#42
2,4,6-Tribromophenol
Concen: 3.234 ng
RT: 10.580 min Scan# 1444
Delta R.T. -0.006 min
Lab File: BF135831.D
Acq: 18 Oct 2023 01:07

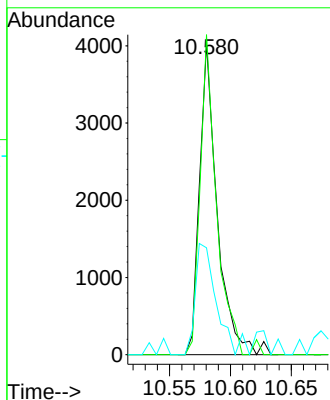
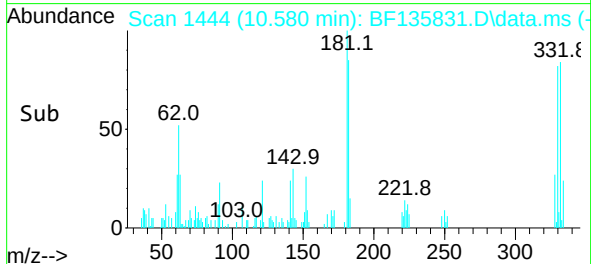
Instrument :
BNA_F
ClientSampleId :
VNJ-223DL



Tgt Ion: 330 Resp: 4093
Ion Ratio Lower Upper
330 100
332 93.9 75.0 112.4
141 40.6 25.8 38.6

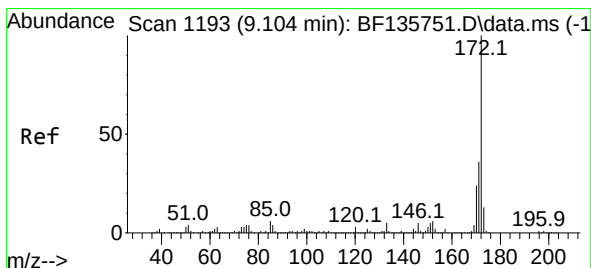
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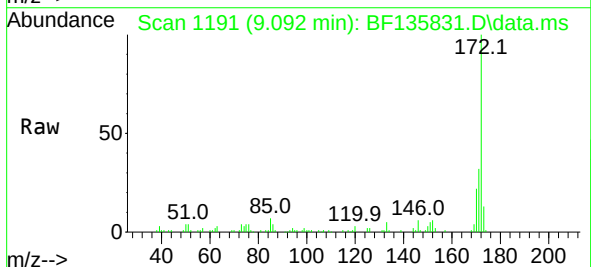


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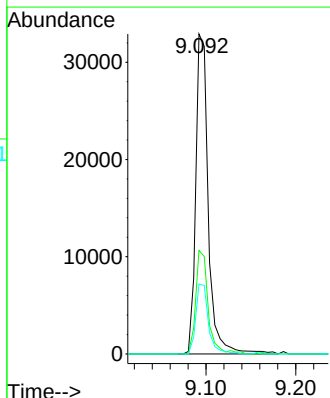
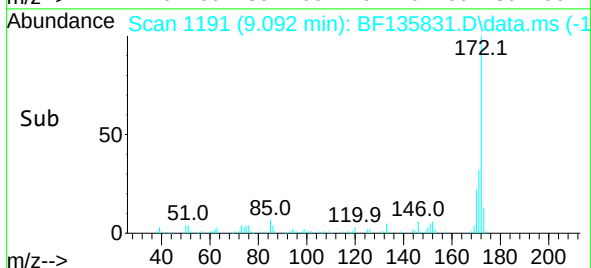
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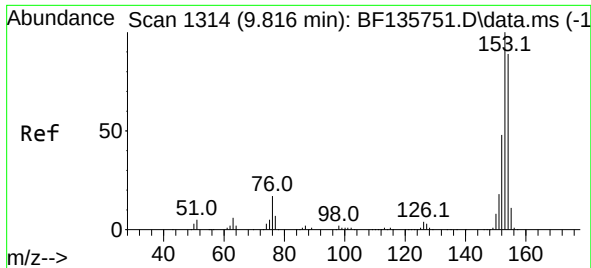


#45
2-Fluorobiphenyl
Concen: 3.784 ng
RT: 9.092 min Scan# 1191
Delta R.T. -0.012 min
Lab File: BF135831.D
Acq: 18 Oct 2023 01:07



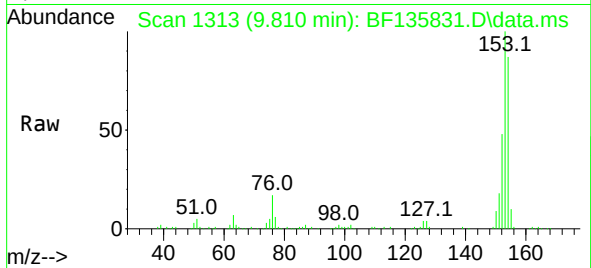
Tgt Ion: 172 Resp: 31923
Ion Ratio Lower Upper
172 100
171 32.3 28.4 42.6
170 21.9 18.8 28.2





#52
Acenaphthene
Concen: 6.318 ng
RT: 9.810 min Scan# 1314
Delta R.T. -0.006 min
Lab File: BF135831.D
Acq: 18 Oct 2023 01:07

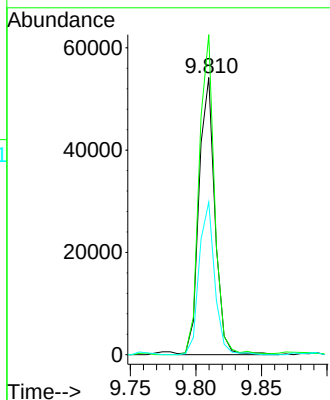
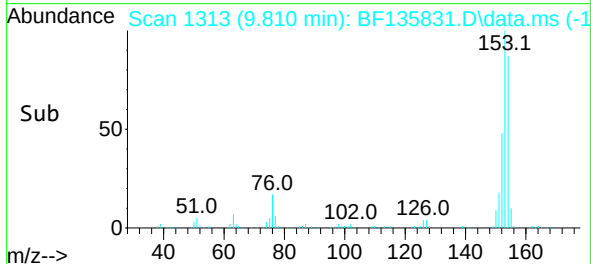
Instrument :
BNA_F
ClientSampleId :
VNJ-223DL



Tgt Ion:154 Resp: 45638
Ion Ratio Lower Upper
154 100
153 115.5 90.1 135.1
152 55.0 43.1 64.7

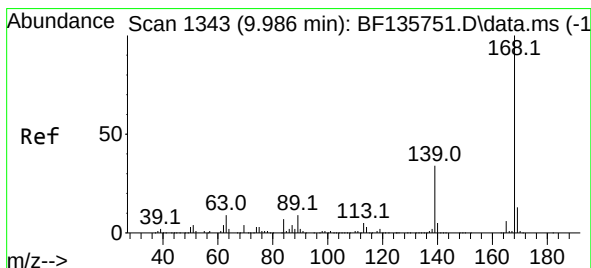
Manual Integrations
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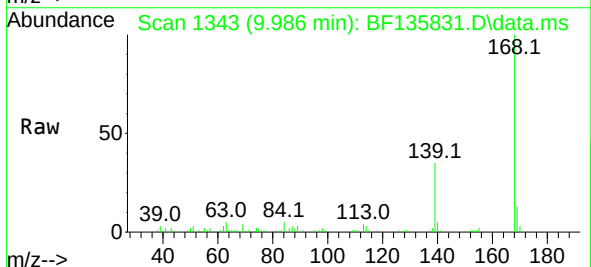


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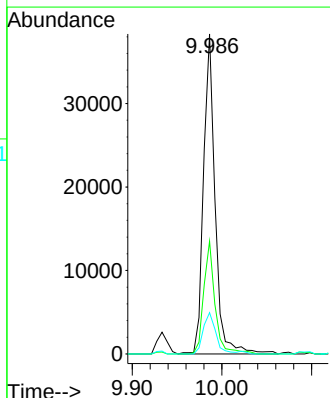
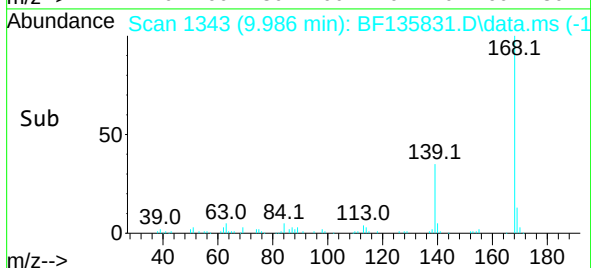
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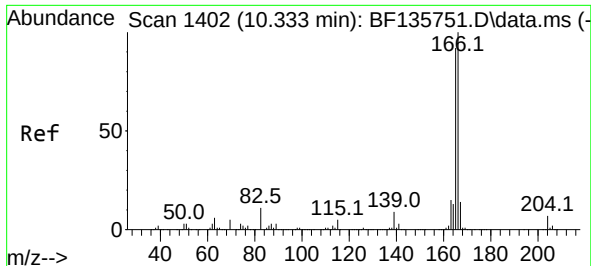


#55
Dibenzofuran
Concen: 3.162 ng
RT: 9.986 min Scan# 1343
Delta R.T. -0.006 min
Lab File: BF135831.D
Acq: 18 Oct 2023 01:07



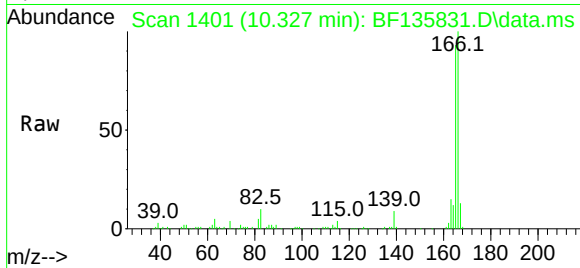
Tgt Ion:168 Resp: 34459
Ion Ratio Lower Upper
168 100
139 35.3 31.0 46.4
169 12.9 10.7 16.1





#58
Fluorene
Concen: 6.795 ng
RT: 10.327 min Scan# 1402
Delta R.T. -0.012 min
Lab File: BF135831.D
Acq: 18 Oct 2023 01:07

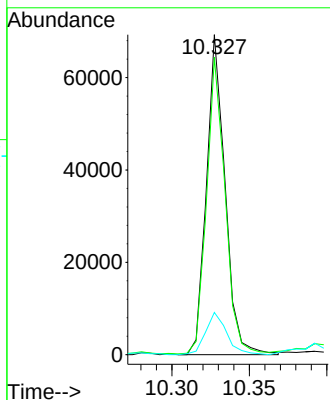
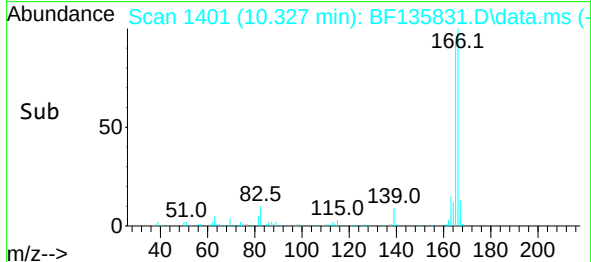
Instrument :
BNA_F
ClientSampleId :
VNJ-223DL



Tgt Ion:166 Resp: 57980
Ion Ratio Lower Upper
166 100
165 92.9 73.4 110.0
167 13.2 11.0 16.6

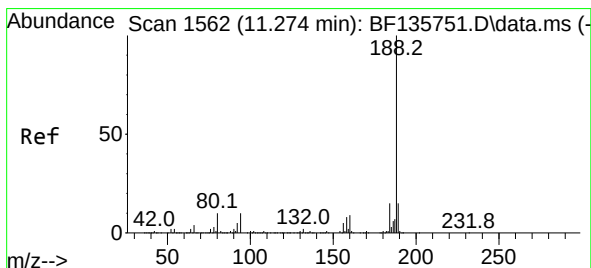
Manual Integrations
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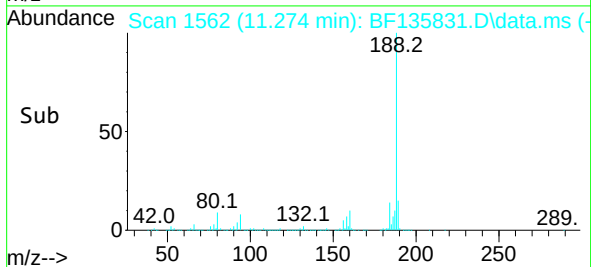
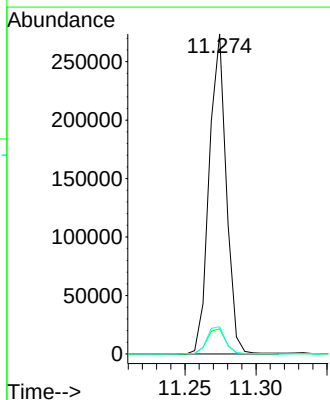
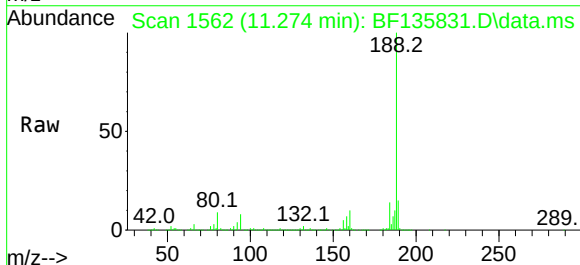
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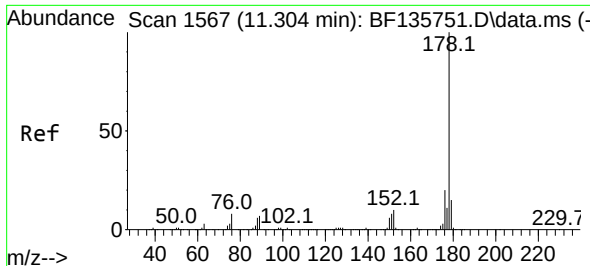
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.274 min Scan# 1562
Delta R.T. -0.006 min
Lab File: BF135831.D
Acq: 18 Oct 2023 01:07

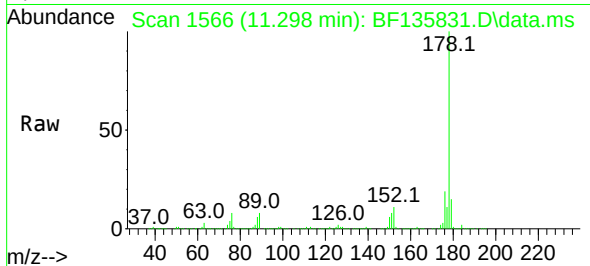
Tgt Ion:188 Resp: 229161
Ion Ratio Lower Upper
188 100
94 7.9 8.0 12.0#
80 8.5 8.3 12.5





#71
Phenanthrene
Concen: 22.779 ng
RT: 11.298 min Scan# 1566
Delta R.T. -0.006 min
Lab File: BF135831.D
Acq: 18 Oct 2023 01:07

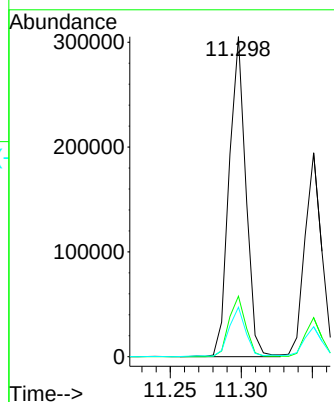
Instrument :
BNA_F
ClientSampleId :
VNJ-223DL



Tgt Ion:178 Resp: 250060
Ion Ratio Lower Upper
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176 18.9 16.0 24.0
179 15.4 12.2 18.4

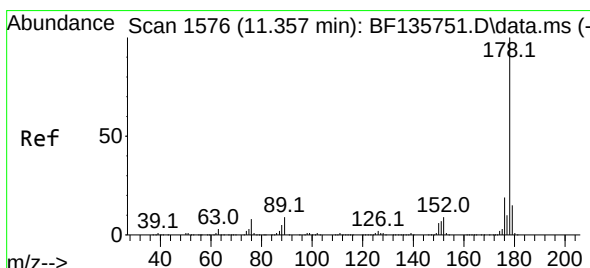
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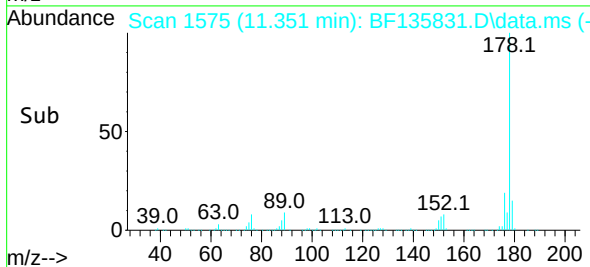
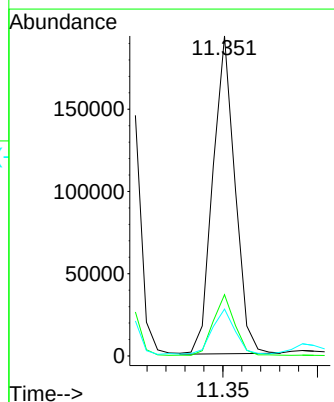
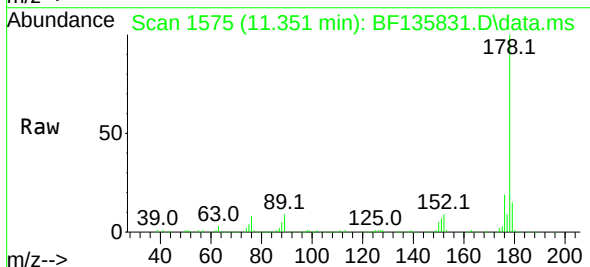
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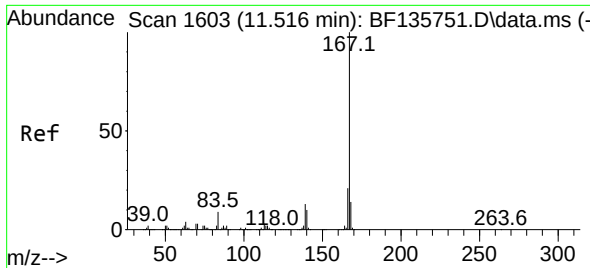
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#72
Anthracene
Concen: 13.828 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.006 min
Lab File: BF135831.D
Acq: 18 Oct 2023 01:07

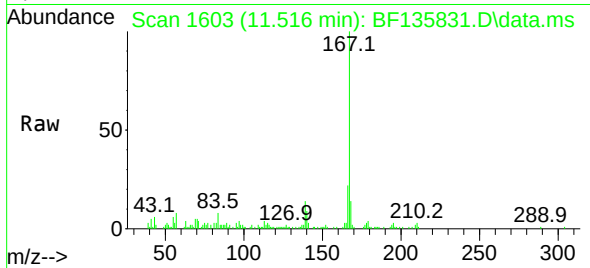
Tgt Ion:178 Resp: 157302
Ion Ratio Lower Upper
178 100
176 19.1 15.1 22.7
179 14.7 12.3 18.5





#73
 Carbazole
 Concen: 2.624 ng
 RT: 11.516 min Scan# 1603
 Delta R.T. -0.006 min
 Lab File: BF135831.D
 Acq: 18 Oct 2023 01:07

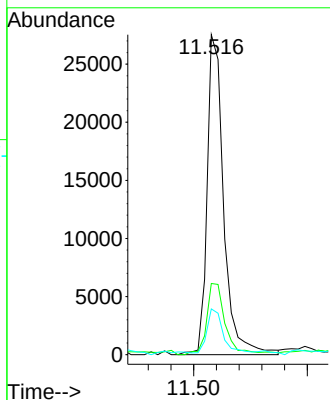
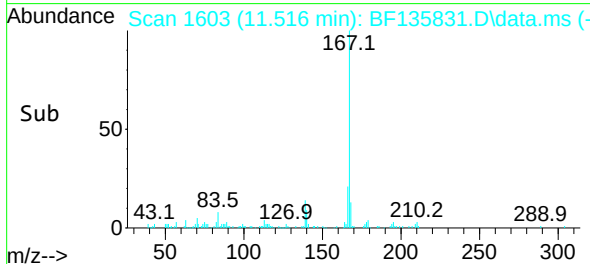
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-223DL



Tgt Ion:167 Resp: 2784
 Ion Ratio Lower Upper
 167 100
 166 22.3 17.1 25.7
 139 14.3 10.2 15.4

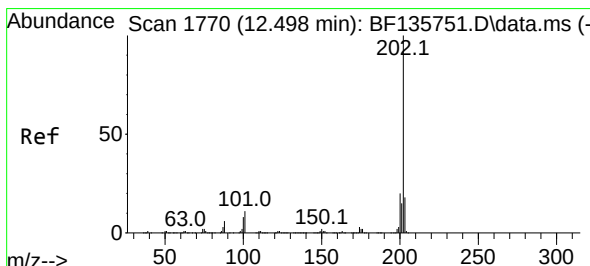
Manual Integrations
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Reviewed By :Yogesh
 Patel



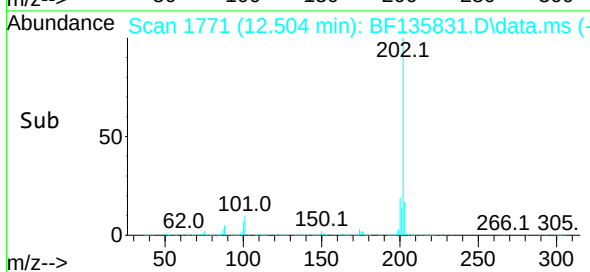
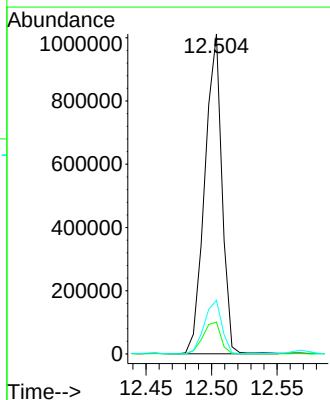
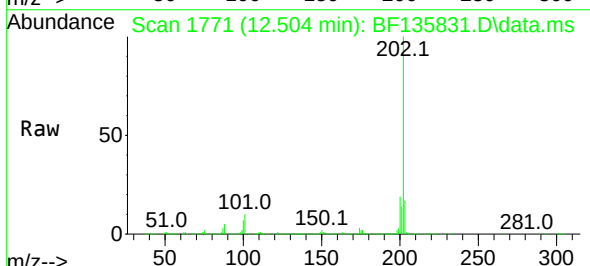
10/18/2023
 Supervised By :mohammad
 ahmed

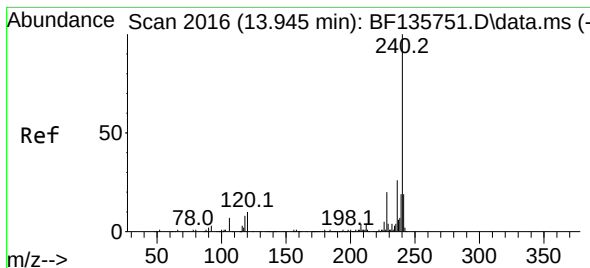
10/18/2023



#75
 Fluoranthene
 Concen: 75.540 ng
 RT: 12.504 min Scan# 1771
 Delta R.T. -0.000 min
 Lab File: BF135831.D
 Acq: 18 Oct 2023 01:07

Tgt Ion:202 Resp: 920379
 Ion Ratio Lower Upper
 202 100
 101 9.9 0.0 31.5
 203 16.8 0.0 38.3





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.945 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF135831.D
Acq: 18 Oct 2023 01:07

Instrument :

BNA_F

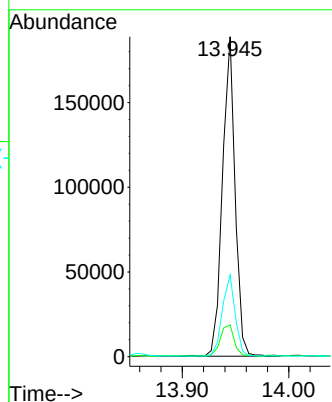
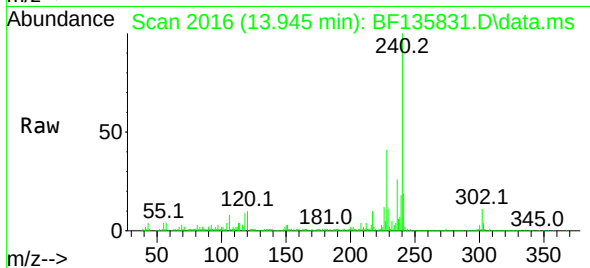
ClientSampleId :

VNJ-223DL

Tgt Ion:240 Resp: 154544
Ion Ratio Lower Upper
240 100
120 10.0 8.2 12.2
236 25.5 21.2 31.8

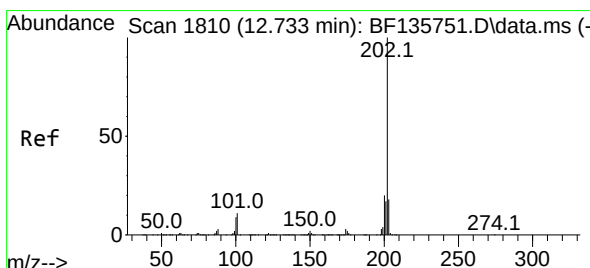
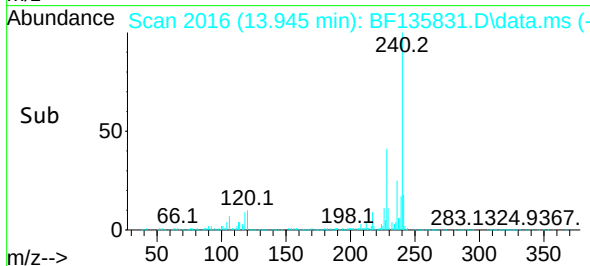
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel



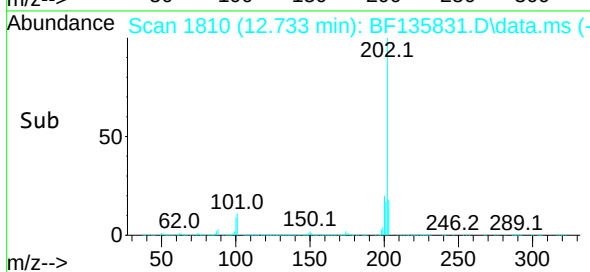
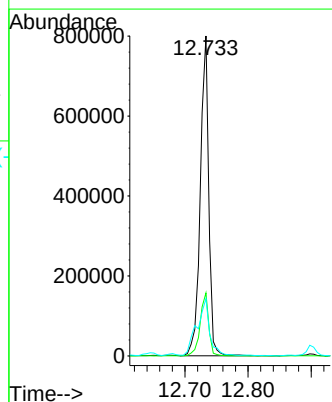
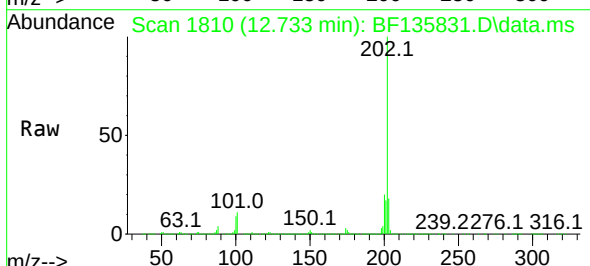
10/18/2023
Supervised By :mohammad
ahmed

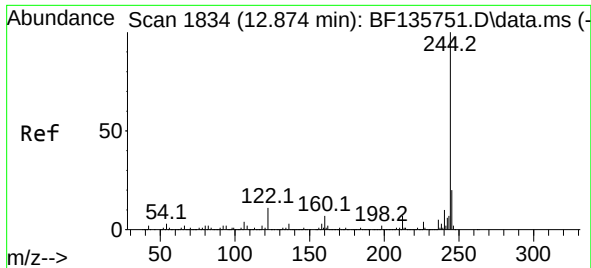
10/18/2023



#78
Pyrene
Concen: 60.283 ng
RT: 12.733 min Scan# 1810
Delta R.T. -0.000 min
Lab File: BF135831.D
Acq: 18 Oct 2023 01:07

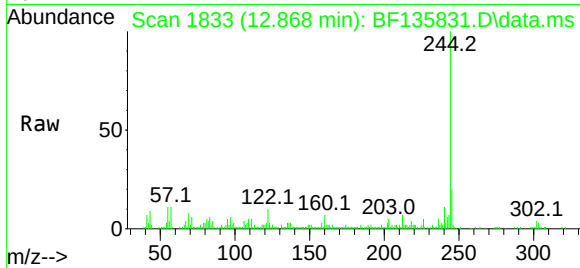
Tgt Ion:202 Resp: 740324
Ion Ratio Lower Upper
202 100
200 19.7 16.1 24.1
203 17.9 14.2 21.2





#79
 Terphenyl-d14
 Concen: 3.839 ng
 RT: 12.868 min Scan# 1834
 Delta R.T. -0.012 min
 Lab File: BF135831.D
 Acq: 18 Oct 2023 01:07

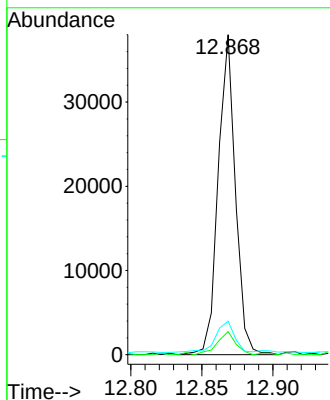
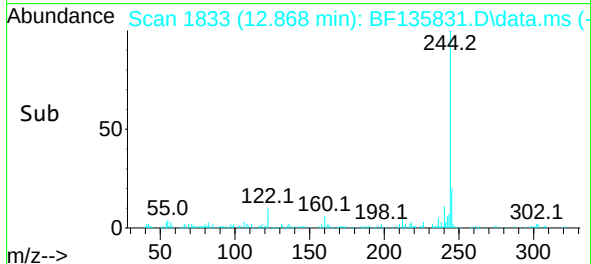
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-223DL



Tgt Ion:244 Resp: 32040
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.6 8.4
 122 10.5 9.0 13.6

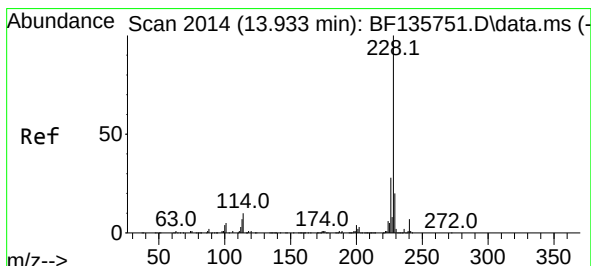
Manual Integrations
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Reviewed By :Yogesh
 Patel



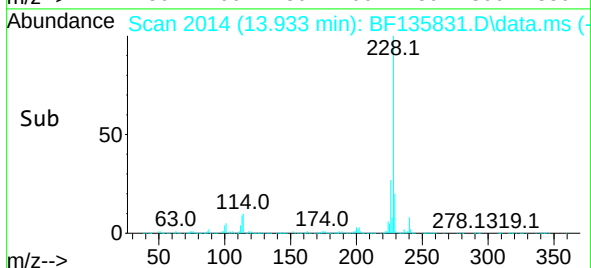
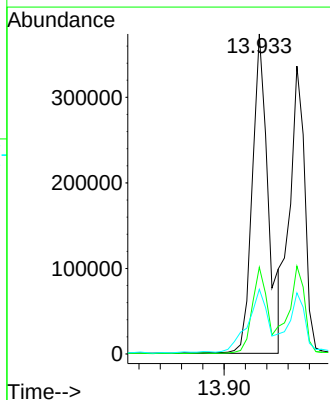
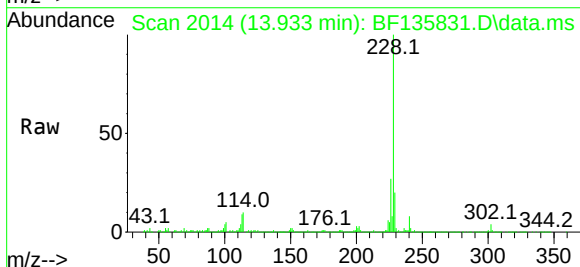
10/18/2023
 Supervised By :mohammad
 ahmed

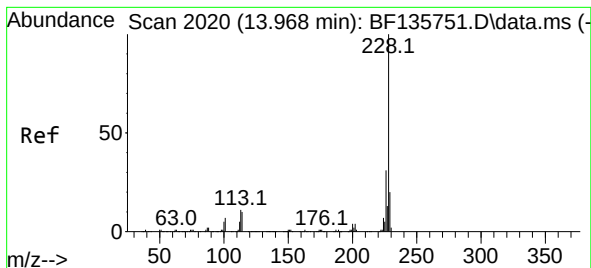
10/18/2023



#81
 Benzo(a)anthracene
 Concen: 38.485 ng
 RT: 13.933 min Scan# 2014
 Delta R.T. -0.006 min
 Lab File: BF135831.D
 Acq: 18 Oct 2023 01:07

Tgt Ion:228 Resp: 390667
 Ion Ratio Lower Upper
 228 100
 226 27.1 22.2 33.2
 229 20.2 16.1 24.1





#83

Chrysene

Concen: 33.766 ng

RT: 13.968 min Scan# 2019

Delta R.T. -0.006 min

Lab File: BF135831.D

Acq: 18 Oct 2023 01:07

Instrument :

BNA_F

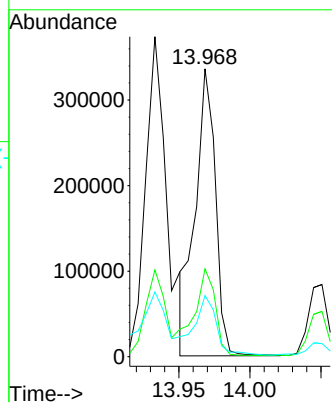
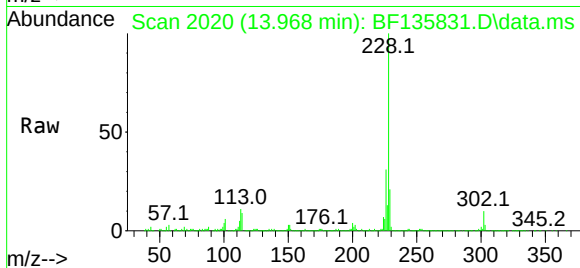
ClientSampleId :

VNJ-223DL

Tgt Ion:	228	Resp:	331994
Ion Ratio	Lower	Upper	
228	100		
226	30.5	24.4	36.6
229	21.3	15.7	23.5

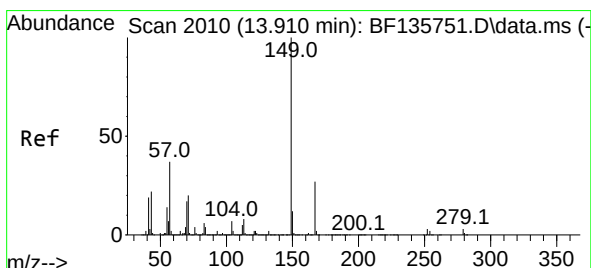
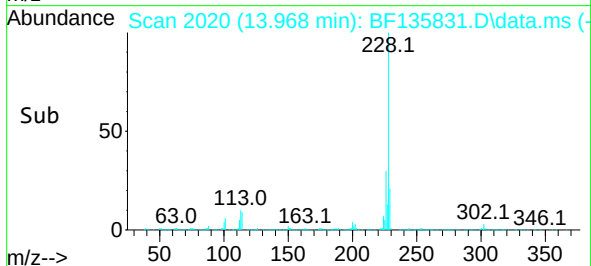
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel



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Supervised By :mohammad
ahmed

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#84

Bis(2-ethylhexyl)phthalate

Concen: 2.374 ng

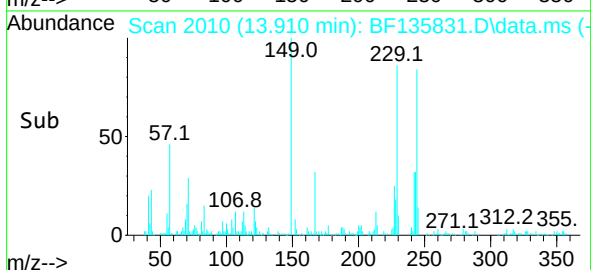
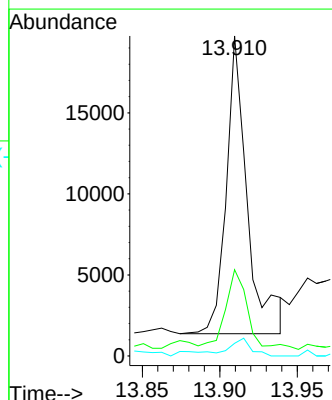
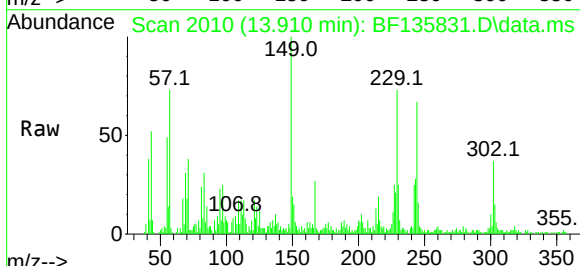
RT: 13.910 min Scan# 2010

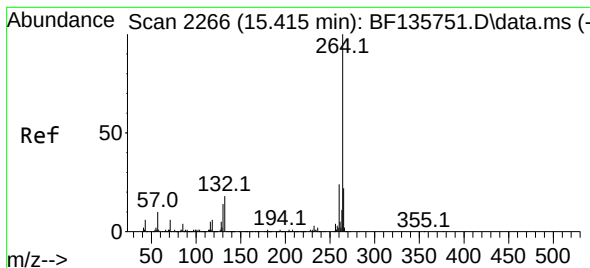
Delta R.T. -0.006 min

Lab File: BF135831.D

Acq: 18 Oct 2023 01:07

Tgt Ion:	149	Resp:	17367
Ion Ratio	Lower	Upper	
149	100		
167	26.9	21.3	31.9
279	3.9	2.7	4.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF135831.D

Acq: 18 Oct 2023 01:07

Instrument :

BNA_F

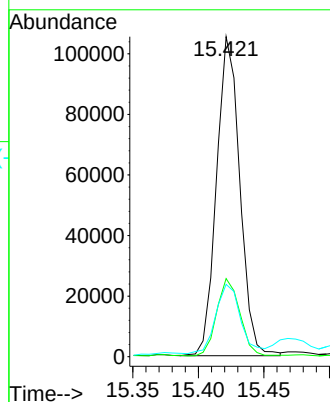
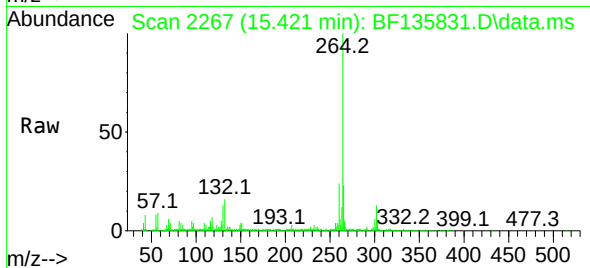
ClientSampleId :

VNJ-223DL

Tgt Ion:264	Resp:	12991
Ion Ratio	Lower	Upper
264	100	
260	24.4	19.2 28.8
265	22.6	17.4 26.2

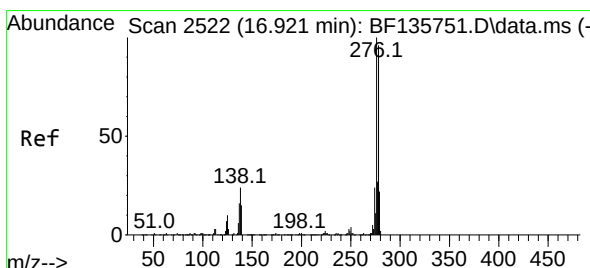
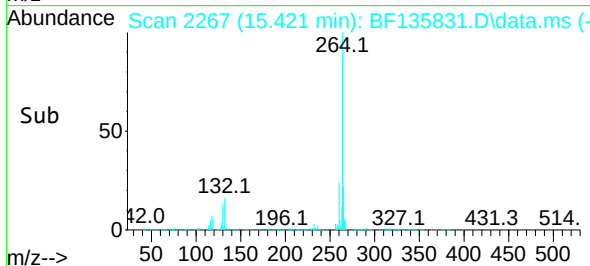
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel



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Supervised By :mohammad
ahmed

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#87

Indeno(1,2,3-cd)pyrene

Concen: 30.051 ng

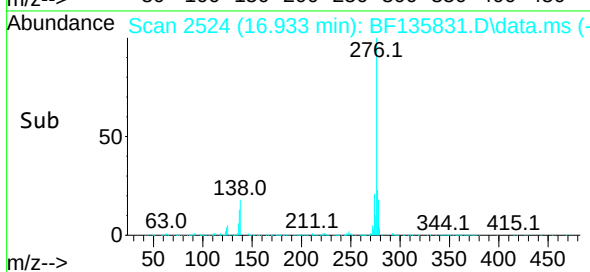
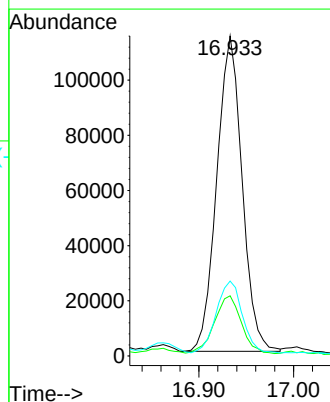
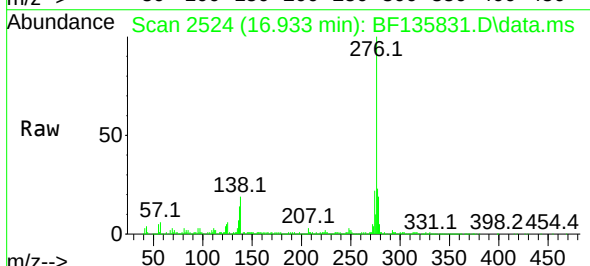
RT: 16.933 min Scan# 2524

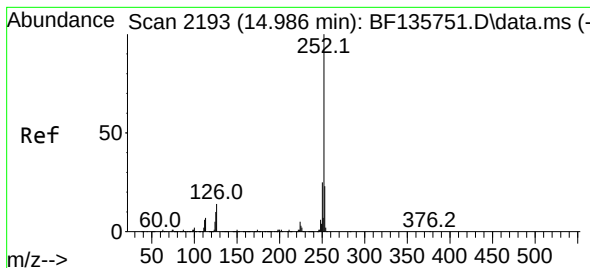
Delta R.T. -0.000 min

Lab File: BF135831.D

Acq: 18 Oct 2023 01:07

Tgt Ion:276	Resp:	212721
Ion Ratio	Lower	Upper
276	100	
138	20.0	19.8 29.6
277	23.3	20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 62.425 ng m

RT: 14.998 min Scan# 2195

Delta R.T. 0.006 min

Lab File: BF135831.D

Acq: 18 Oct 2023 01:07

Instrument :

BNF

ClientSampleId :

VNJ-223DL

Tgt Ion:252 Resp: 45388

Ion Ratio Lower Upper

252 100

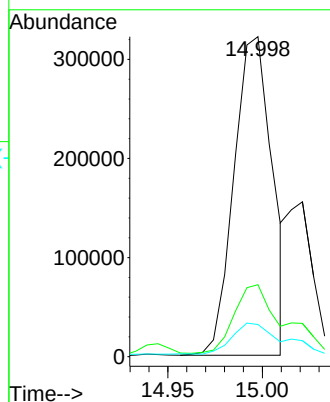
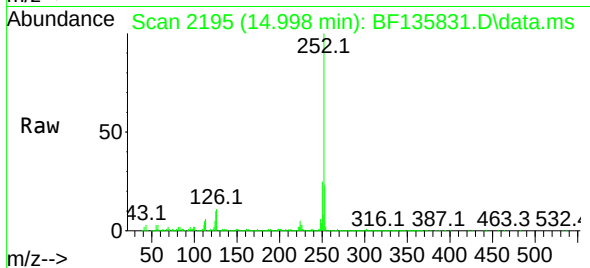
253 22.5 18.2 27.2

125 10.1 8.2 12.2

Manual Integrations

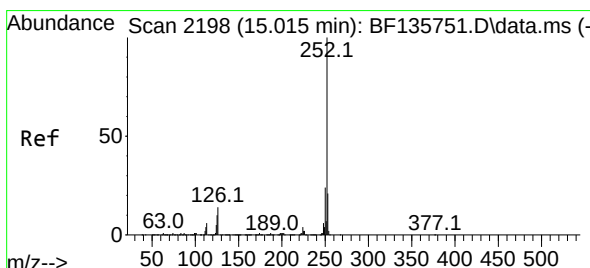
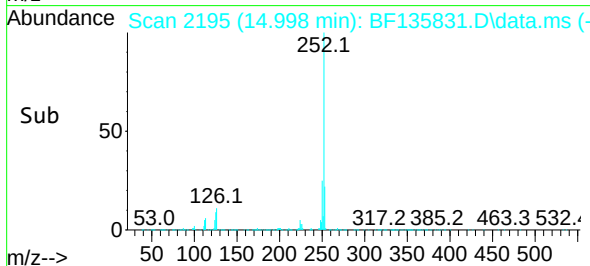
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Reviewed By :Yogesh
Patel



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Supervised By :mohammad
ahmed

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#89

Benzo(k)fluoranthene

Concen: 20.245 ng m

RT: 15.021 min Scan# 2199

Delta R.T. -0.000 min

Lab File: BF135831.D

Acq: 18 Oct 2023 01:07

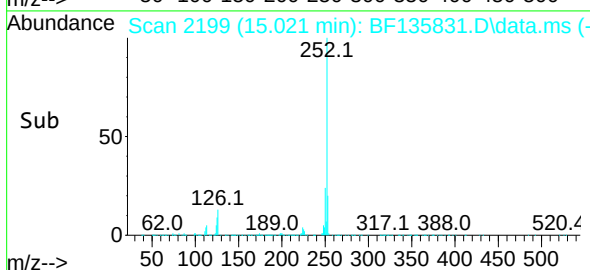
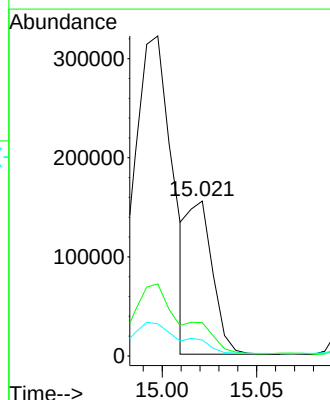
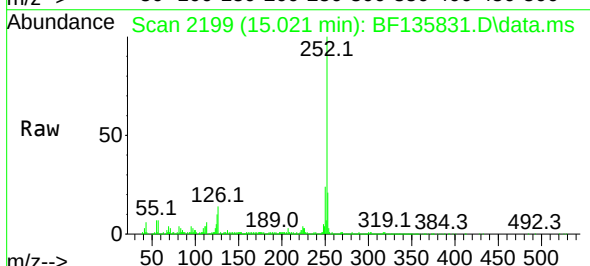
Tgt Ion:252 Resp: 142910

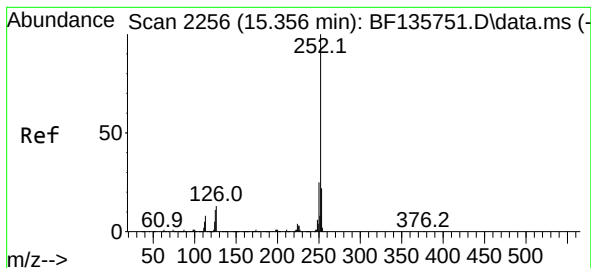
Ion Ratio Lower Upper

252 100

253 21.5 17.4 26.0

125 10.3 8.3 12.5





#90

Benzo(a)pyrene

Concen: 44.926 ng

RT: 15.362 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF135831.D

Acq: 18 Oct 2023 01:07

Instrument :

BNA_F

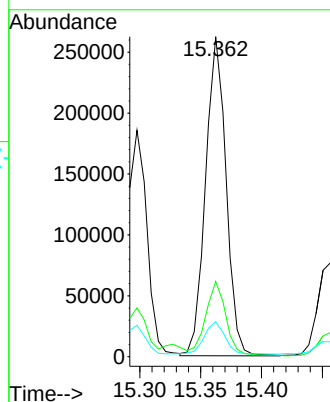
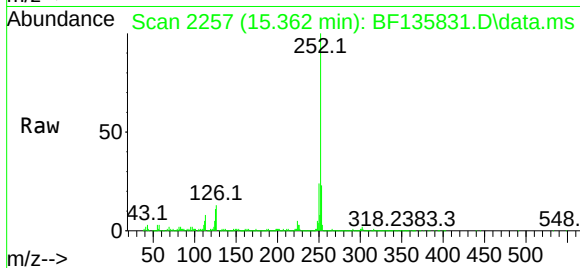
ClientSampleId :

VNJ-223DL

Tgt Ion:252 Resp: 307162
 Ion Ratio Lower Upper
 252 100
 253 23.5 17.4 26.2
 125 10.9 8.8 13.2

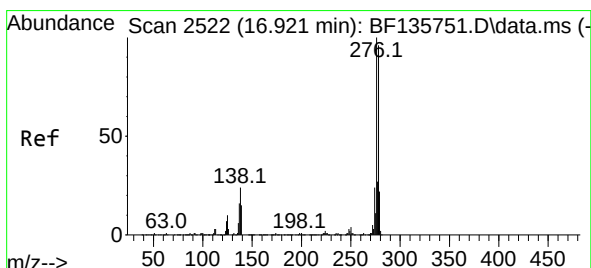
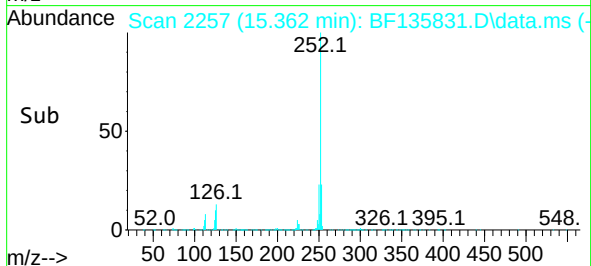
Manual Integrations
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Reviewed By :Yogesh
 Patel



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 Supervised By :mohammad
 ahmed

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#91

Dibenzo(a,h)anthracene

Concen: 7.907 ng m

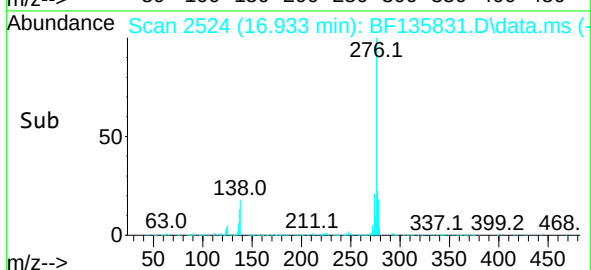
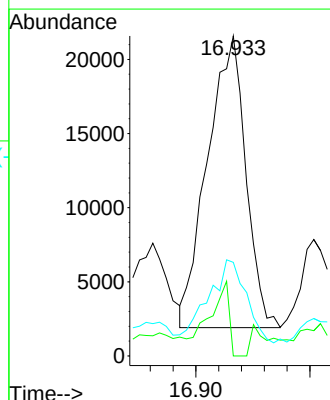
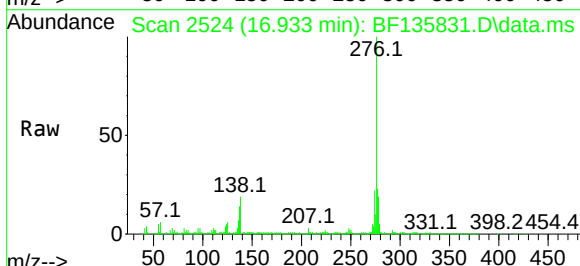
RT: 16.933 min Scan# 2524

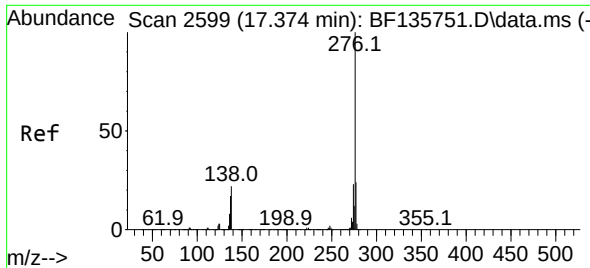
Delta R.T. -0.006 min

Lab File: BF135831.D

Acq: 18 Oct 2023 01:07

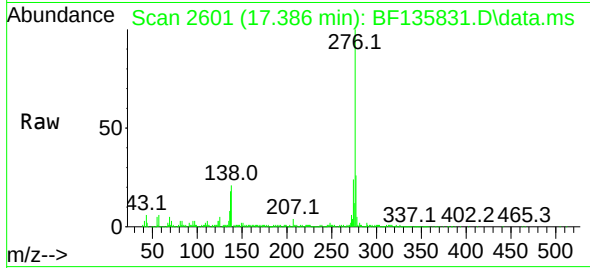
Tgt Ion:278 Resp: 45884
 Ion Ratio Lower Upper
 278 100
 139 0.0 12.5 18.7#
 279 29.2 18.6 27.8#





#92
 Benzo(g,h,i)perylene
 Concen: 36.100 ng
 RT: 17.386 min Scan# 2015
 Delta R.T. -0.000 min
 Lab File: BF135831.D
 Acq: 18 Oct 2023 01:07

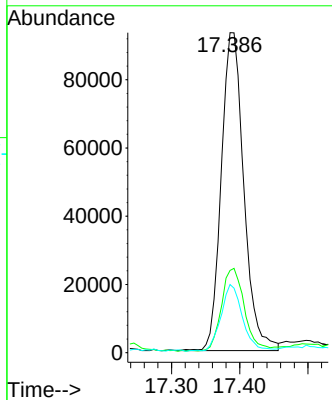
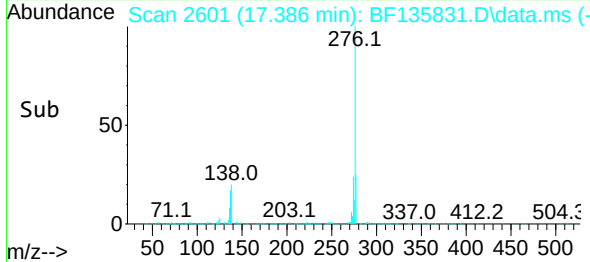
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-223DL



Tgt Ion:	276	Resp:	21518
Ion Ratio	Lower	Upper	
276	100		
277	25.7	19.4	29.2
138	21.3	17.3	25.9

Manual Integrations
 APPROVED

Reviewed By :Yogesh
 Patel



10/18/2023
 Supervised By :mohammad
 ahmed

10/18/2023