

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022723\
 Data File : BF132551.D
 Acq On : 27 Feb 2023 14:22
 Operator : CG\JU
 Sample : 01665-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-231

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/28/2023
 Supervised By :Jagrut Upadhyay 02/28/2023

Quant Time: Feb 27 15:34:15 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 24 23:17:30 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.001	152	156989	20.000	ng	0.00
21) Naphthalene-d8	8.289	136	576605	20.000	ng	0.00
39) Acenaphthene-d10	10.048	164	317201	20.000	ng	0.00
64) Phenanthrene-d10	11.542	188	586317	20.000	ng	0.00
76) Chrysene-d12	14.201	240	310831	20.000	ng	0.00
86) Perylene-d12	15.754	264	371596	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.631	112	789014	81.569	ng	0.00
7) Phenol-d6	6.625	99	1011605	80.133	ng	-0.01
23) Nitrobenzene-d5	7.566	82	667818	54.950	ng	0.00
42) 2,4,6-Tribromophenol	10.842	330	274390	80.099	ng	0.00
45) 2-Fluorobiphenyl	9.366	172	1094641	52.546	ng	0.00
79) Terphenyl-d14	13.136	244	1051522	57.197	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.566	178	92204	3.036	ng	97
75) Fluoranthene	12.765	202	186614	5.620	ng	97
78) Pyrene	12.995	202	164416	5.818	ng	98
81) Benzo(a)anthracene	14.189	228	74427	3.200	ng	97
83) Chrysene	14.224	228	73488	3.379	ng	98
88) Benzo(b)fluoranthene	15.283	252	121048m	4.861	ng	
90) Benzo(a)pyrene	15.683	252	82394	3.535	ng	99
92) Benzo(g,h,i)perylene	17.830	276	46794	3.631	ng	96

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

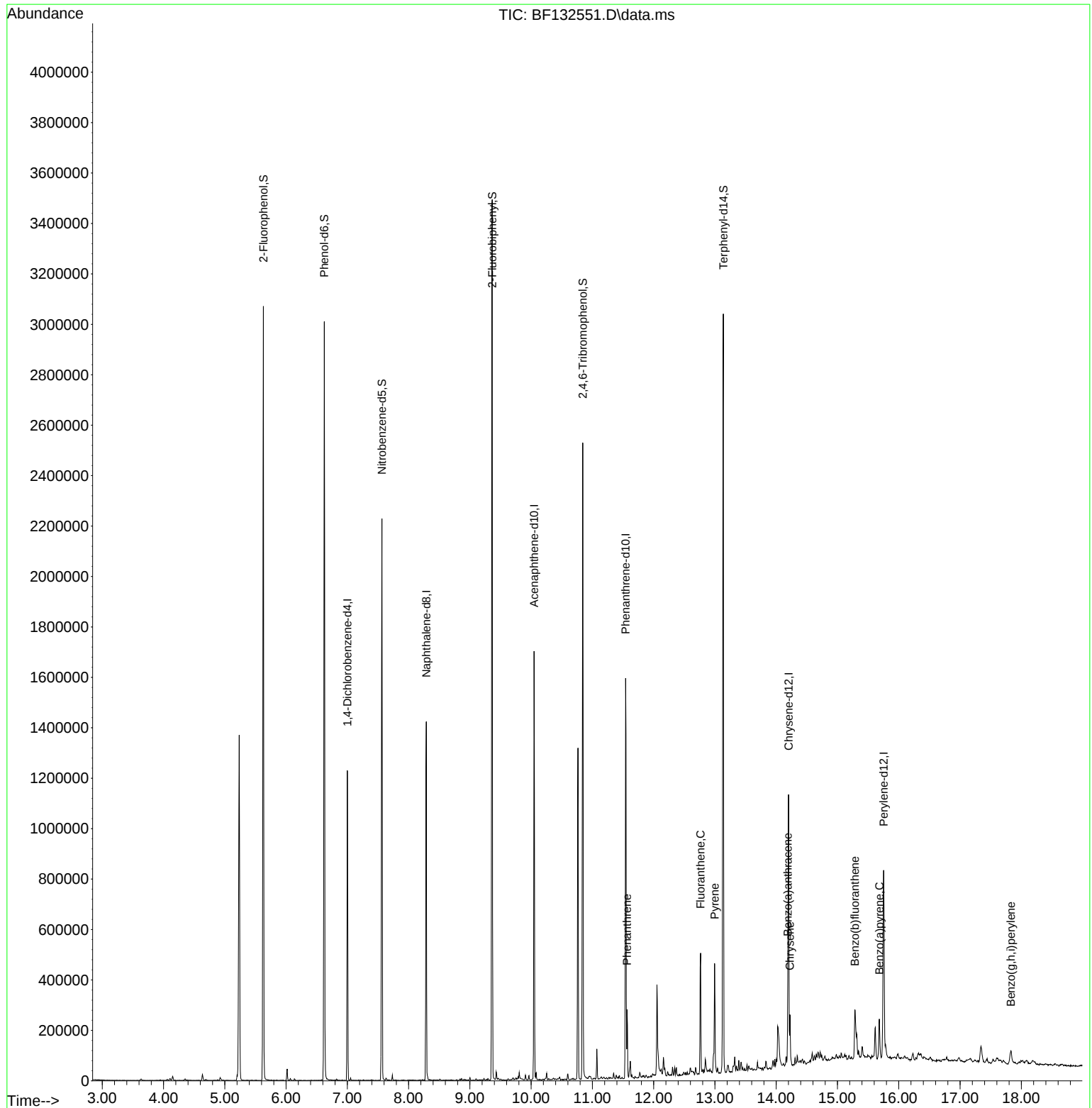
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022723\
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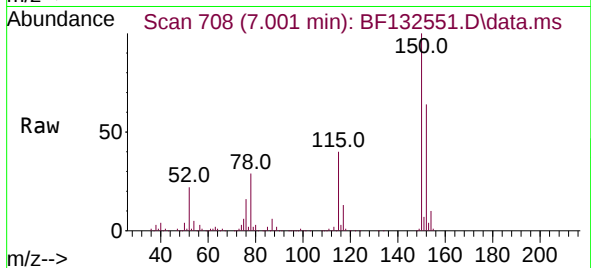
Reviewed By :Yogesh Patel 02/28/2023
Supervised By :Jagrut Upadhyay 02/28/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.001 min Scan# 70
Delta R.T. -0.006 min
Lab File: BF132551.D
Acq: 27 Feb 2023 14:22

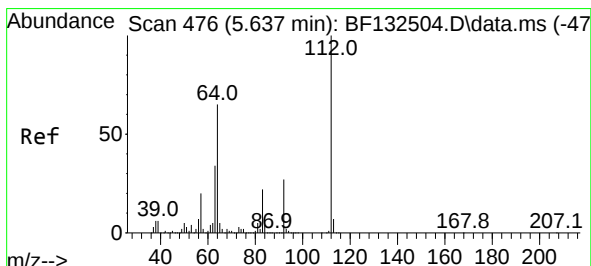
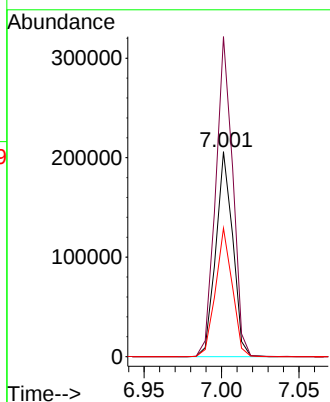
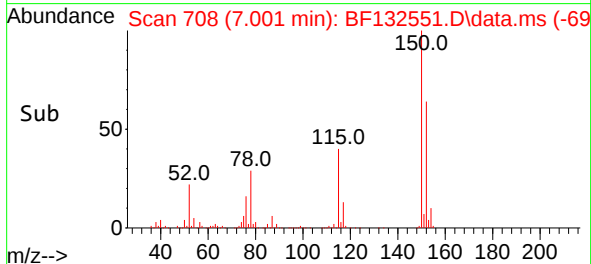
Instrument :
BNA_F
ClientSampleId :
VNJ-231



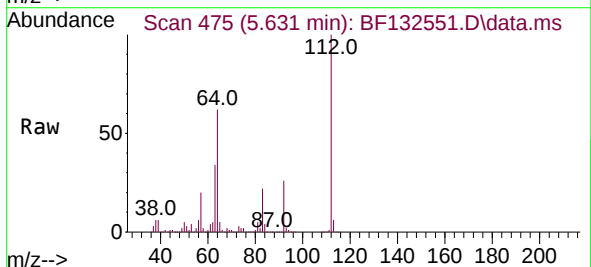
Tgt Ion:152 Resp: 156989
Ion Ratio Lower Upper
152 100
150 156.2 125.4 188.2
115 62.7 47.8 71.6

Manual Integrations
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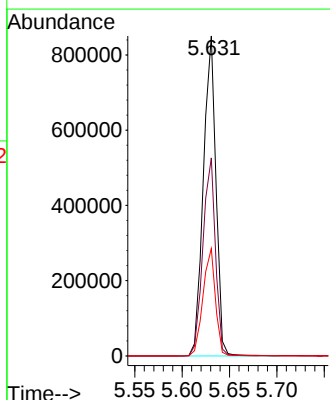
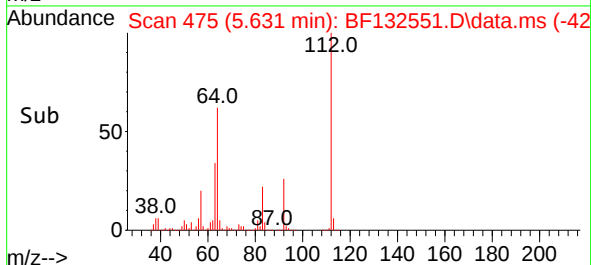
Reviewed By :Yogesh Patel 02/28/2023
Supervised By :Jagrut Upadhyay 02/28/2023



#5
2-Fluorophenol
Concen: 81.569 ng
RT: 5.631 min Scan# 475
Delta R.T. -0.000 min
Lab File: BF132551.D
Acq: 27 Feb 2023 14:22



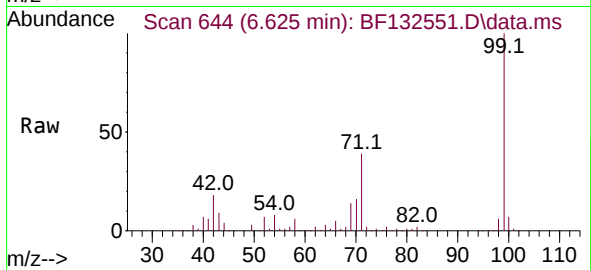
Tgt Ion:112 Resp: 789014
Ion Ratio Lower Upper
112 100
64 61.9 51.6 77.4
63 33.5 27.4 41.2





#7
Phenol-d6
Concen: 80.133 ng
RT: 6.625 min Scan# 647
Delta R.T. -0.012 min
Lab File: BF132551.D
Acq: 27 Feb 2023 14:22

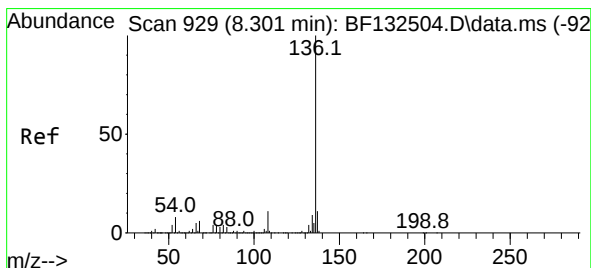
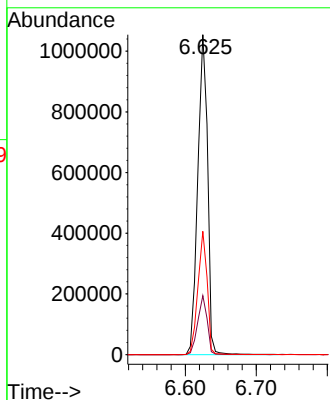
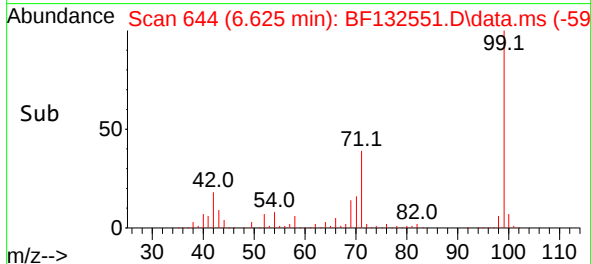
Instrument :
BNA_F
ClientSampleId :
VNJ-231



Tgt Ion: 99 Resp: 1011605
Ion Ratio Lower Upper
99 100
42 18.4 13.9 20.9
71 38.5 28.5 42.7

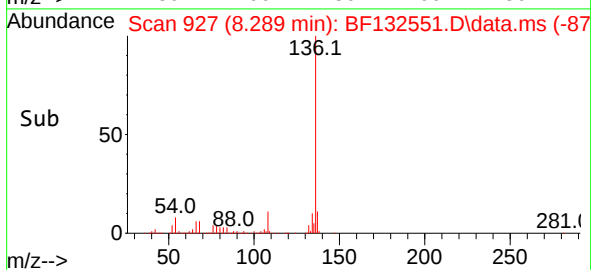
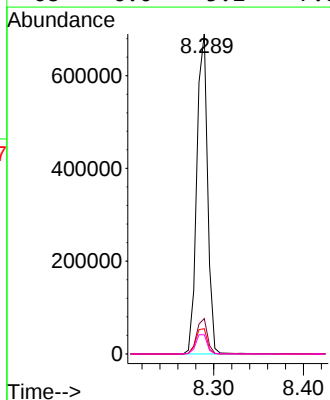
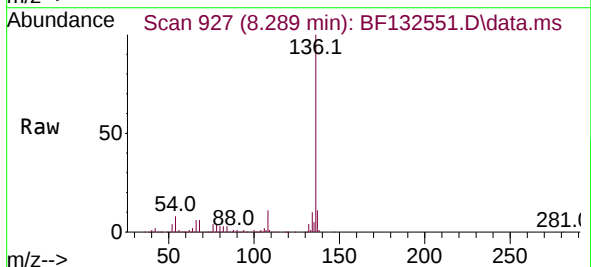
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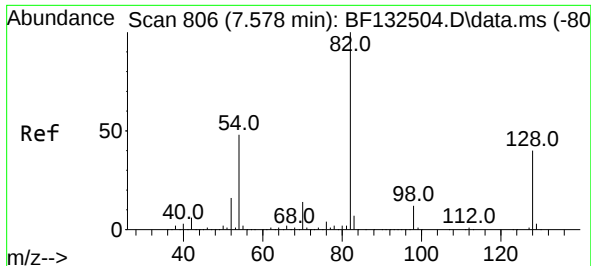
Reviewed By :Yogesh Patel 02/28/2023
Supervised By :Jagrut Upadhyay 02/28/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.289 min Scan# 927
Delta R.T. -0.000 min
Lab File: BF132551.D
Acq: 27 Feb 2023 14:22

Tgt Ion:136 Resp: 576605
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 7.9 6.2 9.4
68 6.0 5.2 7.8





#23

Nitrobenzene-d5

Concen: 54.950 ng

RT: 7.566 min Scan# 80

Delta R.T. -0.006 min

Lab File: BF132551.D

Acq: 27 Feb 2023 14:22

Instrument :

BNA_F

ClientSampleId :

VNJ-231

Tgt Ion: 82 Resp: 667818

Ion Ratio Lower Upper

82 100

128 41.1 32.2 48.2

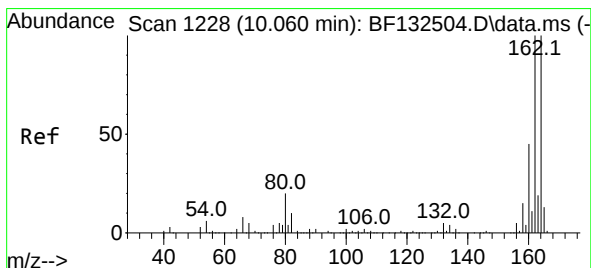
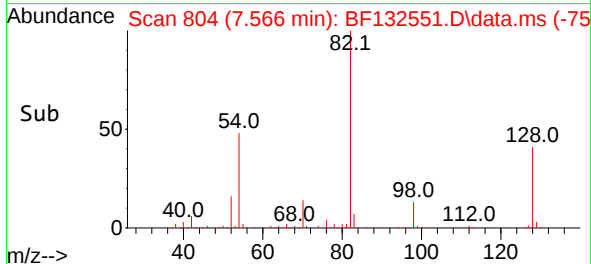
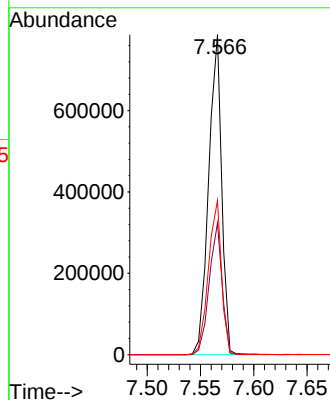
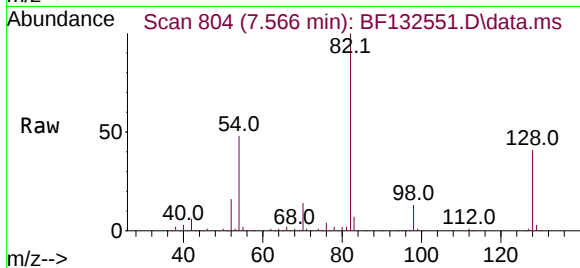
54 48.2 38.4 57.6

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.048 min Scan# 1226

Delta R.T. -0.006 min

Lab File: BF132551.D

Acq: 27 Feb 2023 14:22

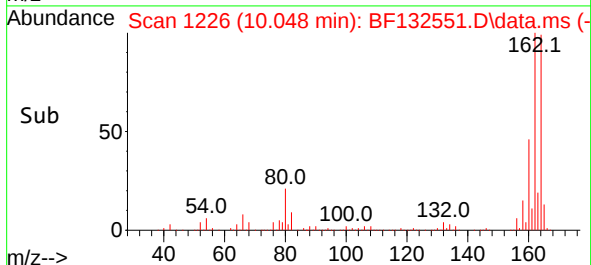
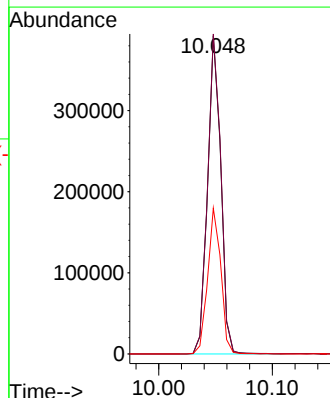
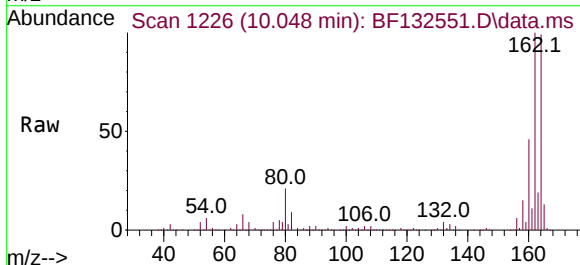
Tgt Ion:164 Resp: 317201

Ion Ratio Lower Upper

164 100

162 100.6 79.8 119.8

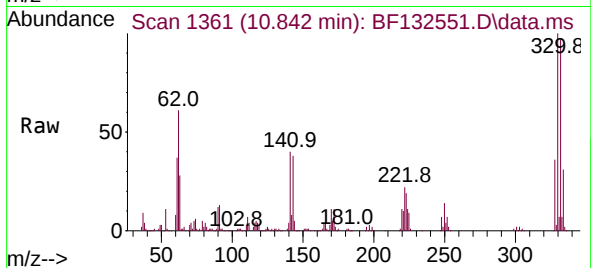
160 45.8 35.8 53.6





#42
2,4,6-Tribromophenol
Concen: 80.099 ng
RT: 10.842 min Scan# 1361
Delta R.T. -0.006 min
Lab File: BF132551.D
Acq: 27 Feb 2023 14:22

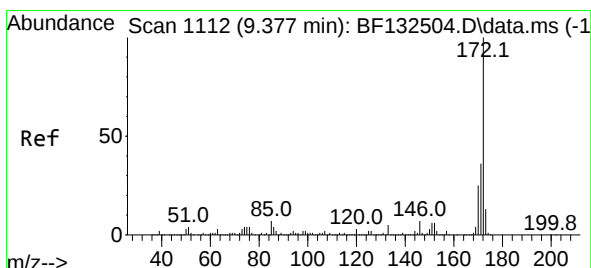
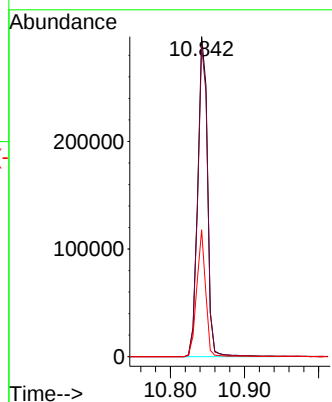
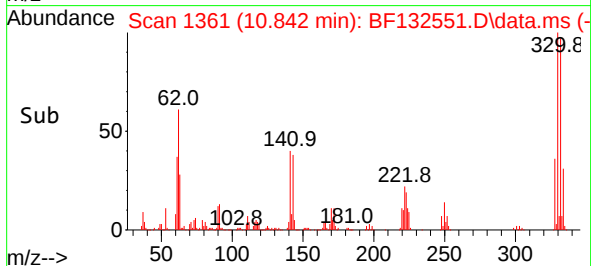
Instrument :
BNA_F
ClientSampleId :
VNJ-231



Tgt Ion: 330 Resp: 274390
Ion Ratio Lower Upper
330 100
332 97.1 76.2 114.4
141 35.9 28.4 42.6

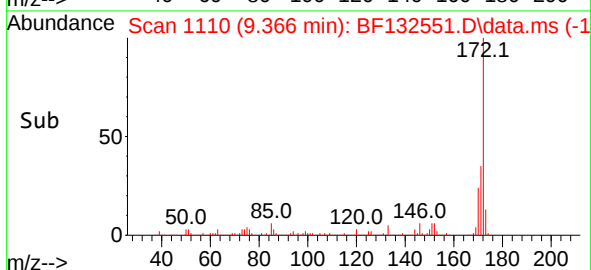
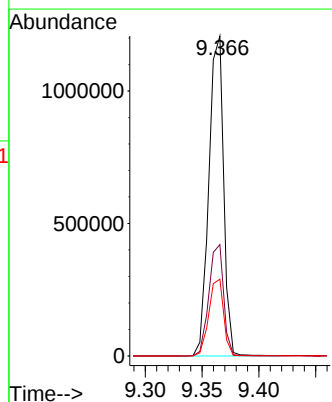
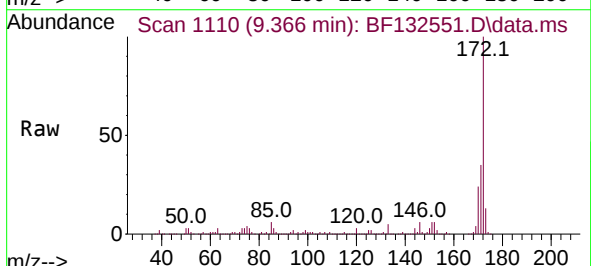
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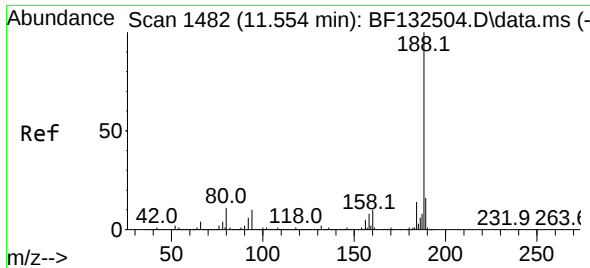
Reviewed By :Yogesh Patel 02/28/2023
Supervised By :Jagrut Upadhyay 02/28/2023



#45
2-Fluorobiphenyl
Concen: 52.546 ng
RT: 9.366 min Scan# 1110
Delta R.T. -0.006 min
Lab File: BF132551.D
Acq: 27 Feb 2023 14:22

Tgt Ion: 172 Resp: 1094641
Ion Ratio Lower Upper
172 100
171 34.8 28.8 43.2
170 24.0 19.7 29.5





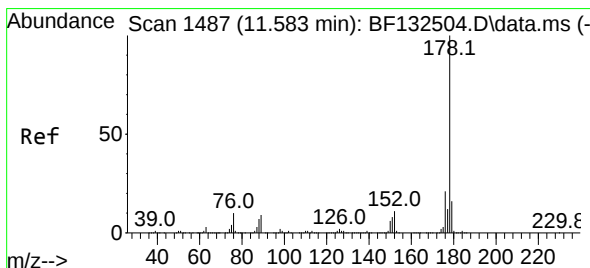
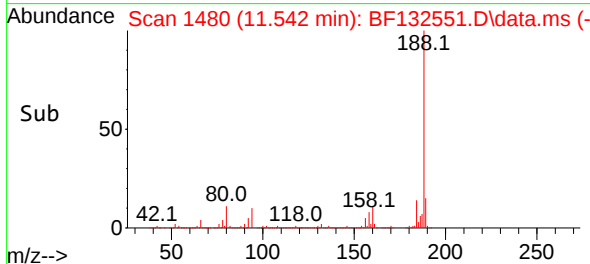
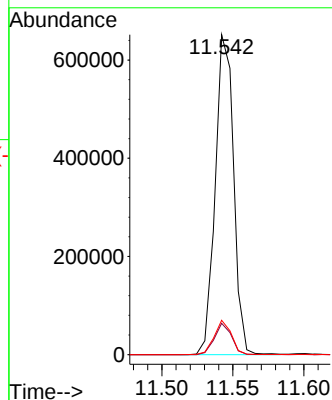
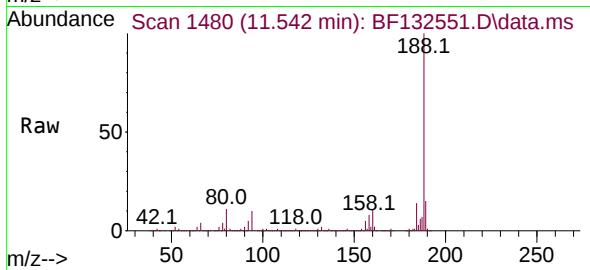
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.542 min Scan# 1482
Delta R.T. -0.006 min
Lab File: BF132551.D
Acq: 27 Feb 2023 14:22

Instrument :
BNA_F
ClientSampleId :
VNJ-231

Tgt Ion:188 Resp: 58631
Ion Ratio Lower Upper
188 100
94 9.8 8.3 12.5
80 10.7 8.7 13.1

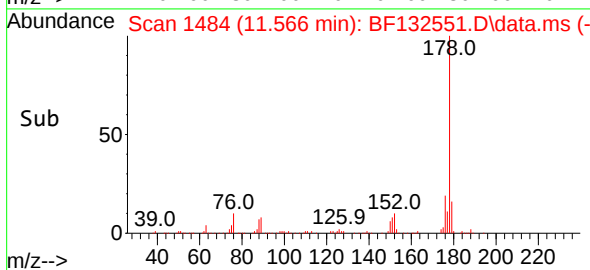
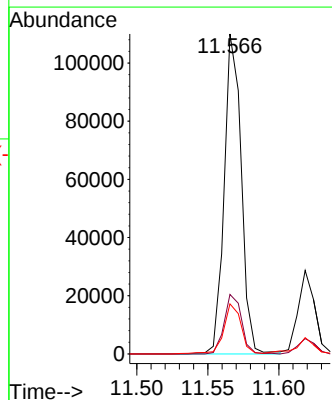
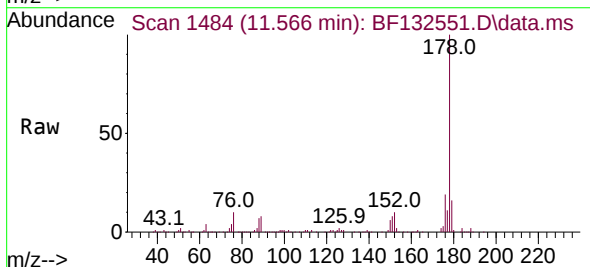
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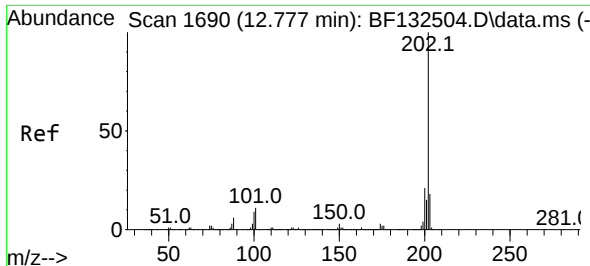
Reviewed By :Yogesh Patel 02/28/2023
Supervised By :Jagrut Upadhyay 02/28/2023



#71
Phenanthrene
Concen: 3.036 ng
RT: 11.566 min Scan# 1484
Delta R.T. -0.012 min
Lab File: BF132551.D
Acq: 27 Feb 2023 14:22

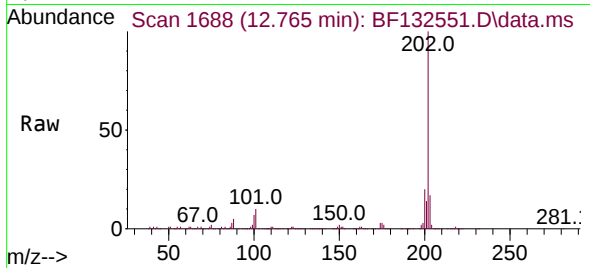
Tgt Ion:178 Resp: 92204
Ion Ratio Lower Upper
178 100
176 18.6 16.5 24.7
179 15.6 13.0 19.6





#75
Fluoranthene
Concen: 5.620 ng
RT: 12.765 min Scan# 1688
Delta R.T. -0.006 min
Lab File: BF132551.D
Acq: 27 Feb 2023 14:22

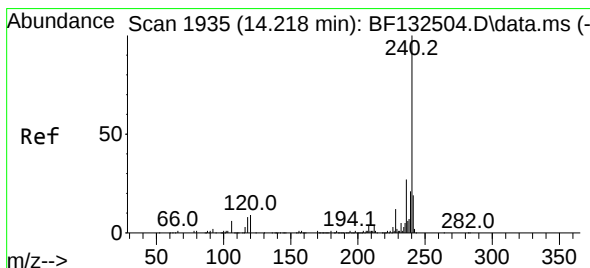
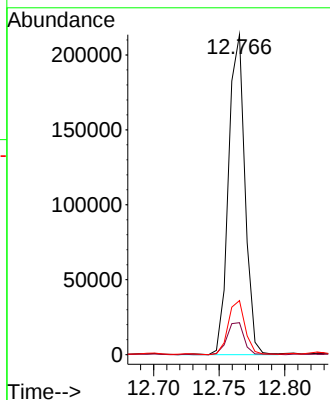
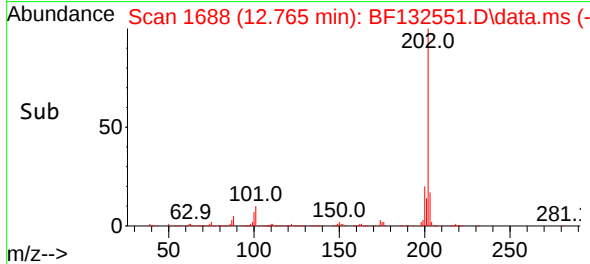
Instrument :
BNA_F
ClientSampleId :
VNJ-231



Tgt Ion:202 Resp: 186614
Ion Ratio Lower Upper
202 100
101 10.0 0.0 31.4
203 16.9 0.0 38.0

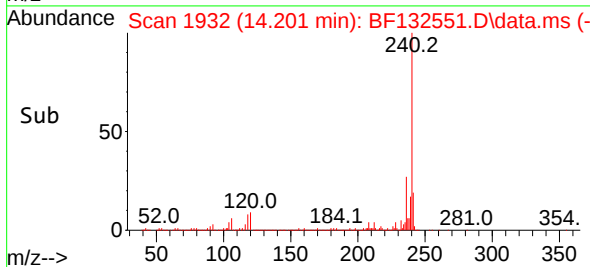
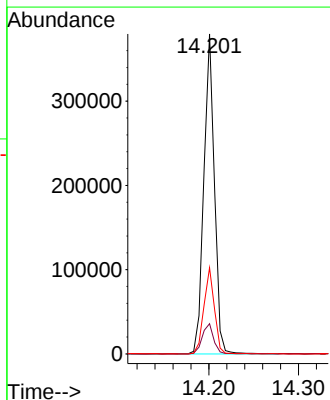
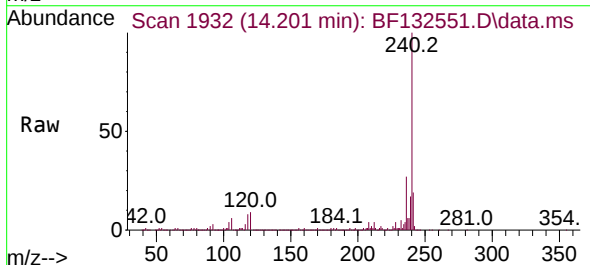
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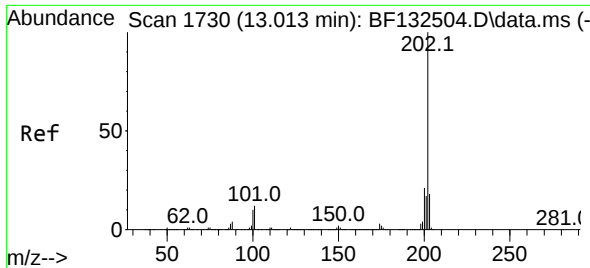
Reviewed By :Yogesh Patel 02/28/2023
Supervised By :Jagrut Upadhyay 02/28/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.201 min Scan# 1932
Delta R.T. -0.006 min
Lab File: BF132551.D
Acq: 27 Feb 2023 14:22

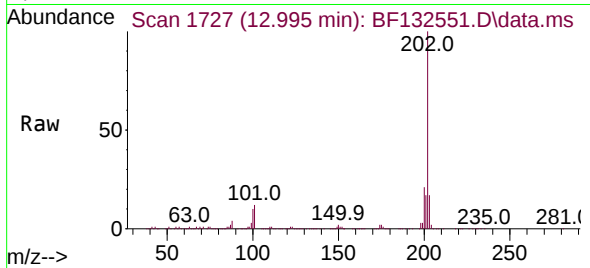
Tgt Ion:240 Resp: 310831
Ion Ratio Lower Upper
240 100
120 9.4 7.2 10.8
236 26.9 21.8 32.6





#78
Pyrene
Concen: 5.818 ng
RT: 12.995 min Scan# 1727
Delta R.T. -0.006 min
Lab File: BF132551.D
Acq: 27 Feb 2023 14:22

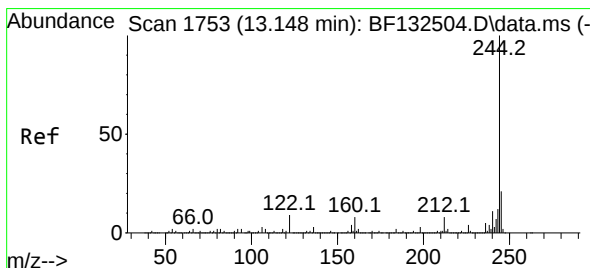
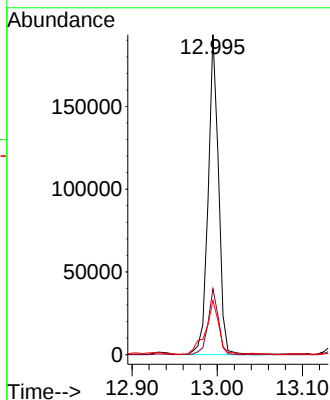
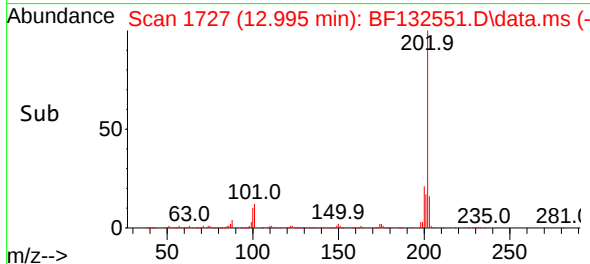
Instrument :
BNA_F
ClientSampleId :
VNJ-231



Tgt Ion:202 Resp: 164416
Ion Ratio Lower Upper
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200 20.6 17.1 25.7
203 16.9 14.6 21.8

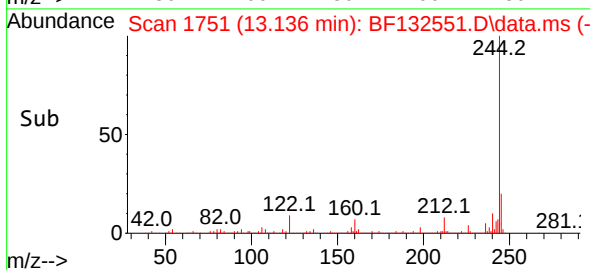
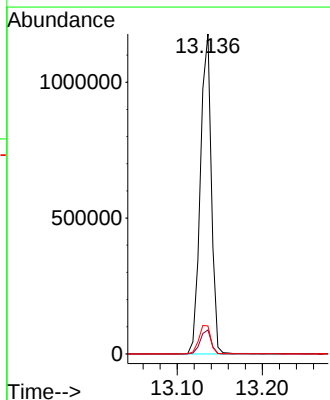
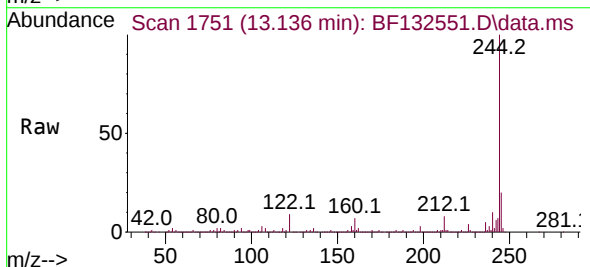
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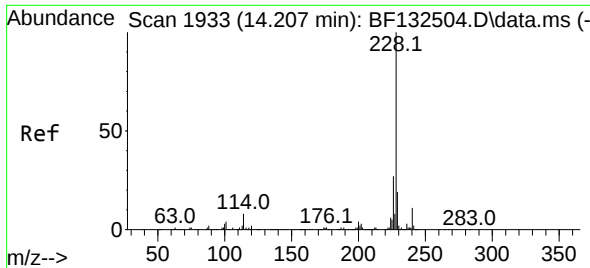
Reviewed By :Yogesh Patel 02/28/2023
Supervised By :Jagrut Upadhyay 02/28/2023



#79
Terphenyl-d14
Concen: 57.197 ng
RT: 13.136 min Scan# 1751
Delta R.T. -0.006 min
Lab File: BF132551.D
Acq: 27 Feb 2023 14:22

Tgt Ion:244 Resp: 1051522
Ion Ratio Lower Upper
244 100
212 7.5 6.5 9.7
122 8.7 7.5 11.3





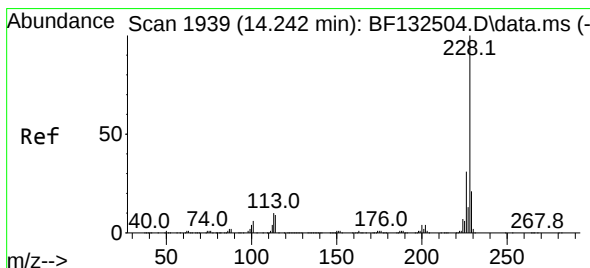
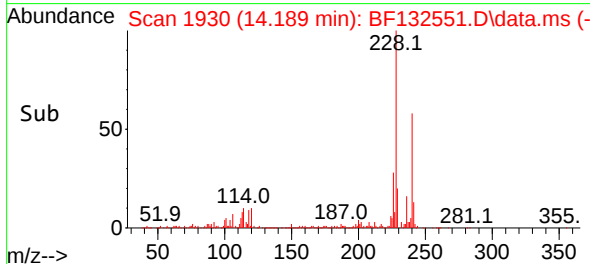
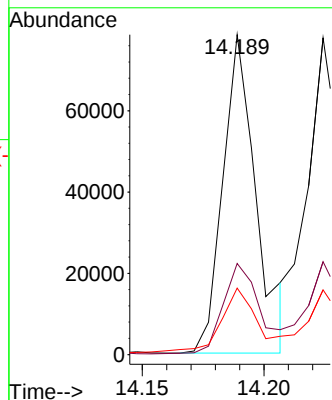
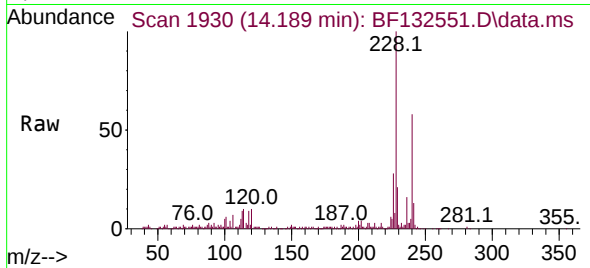
#81
Benzo(a)anthracene
Concen: 3.200 ng
RT: 14.189 min Scan# 1930
Delta R.T. -0.006 min
Lab File: BF132551.D
Acq: 27 Feb 2023 14:22

Instrument :
BNA_F
ClientSampleId :
VNJ-231

Tgt Ion:228 Resp: 7442
Ion Ratio Lower Upper
228 100
226 28.5 21.7 32.5
229 20.8 15.4 23.2

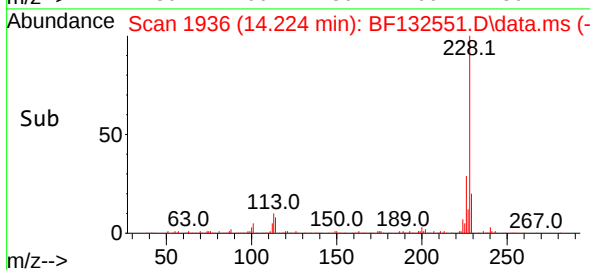
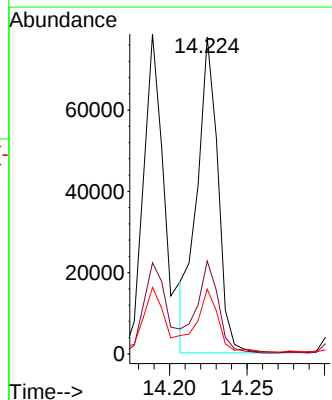
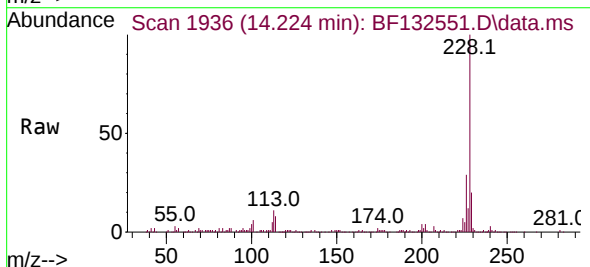
Manual Integrations
APPROVED

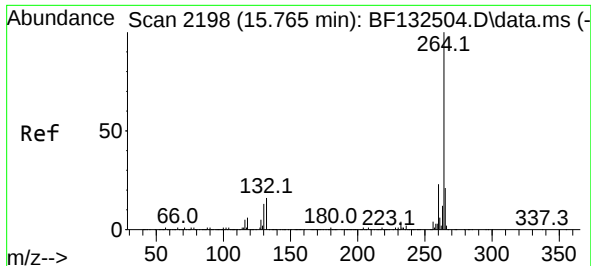
Reviewed By :Yogesh Patel 02/28/2023
Supervised By :Jagrut Upadhyay 02/28/2023



#83
Chrysene
Concen: 3.379 ng
RT: 14.224 min Scan# 1936
Delta R.T. -0.012 min
Lab File: BF132551.D
Acq: 27 Feb 2023 14:22

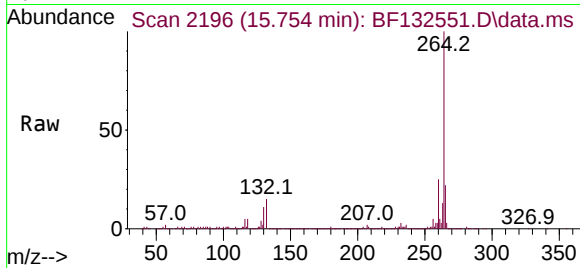
Tgt Ion:228 Resp: 73488
Ion Ratio Lower Upper
228 100
226 29.3 25.0 37.6
229 20.4 16.4 24.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.754 min Scan# 2116
Delta R.T. -0.000 min
Lab File: BF132551.D
Acq: 27 Feb 2023 14:22

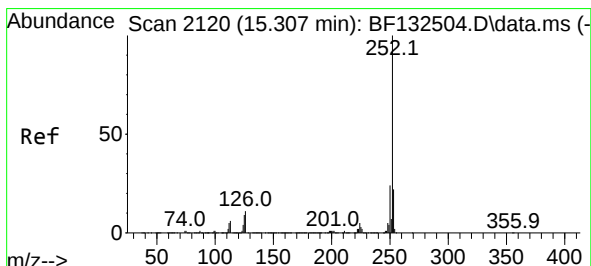
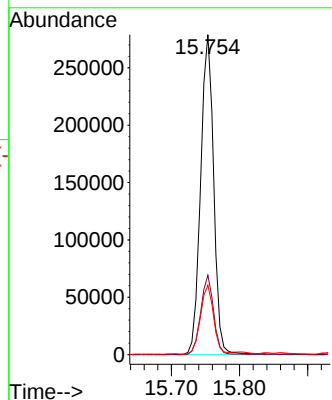
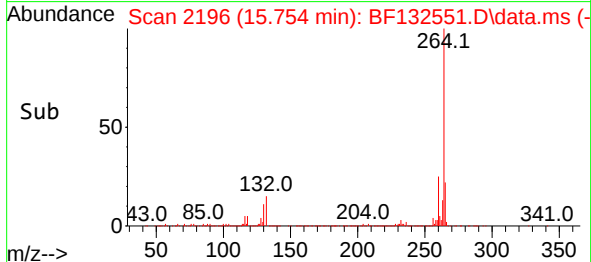
Instrument :
BNA_F
ClientSampleId :
VNJ-231



Tgt Ion:264 Resp: 371596
Ion Ratio Lower Upper
264 100
260 24.8 18.8 28.2
265 21.7 17.1 25.7

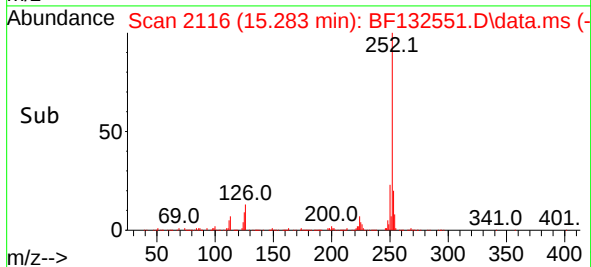
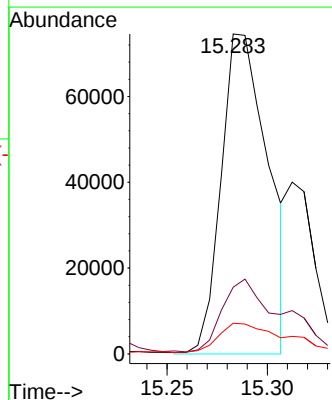
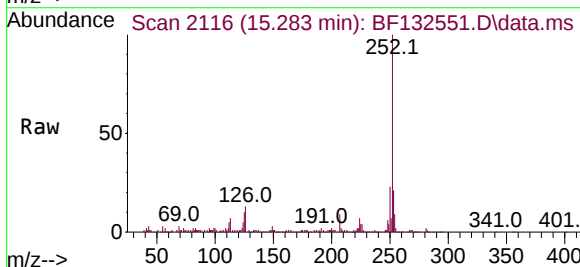
Manual Integrations
APPROVED

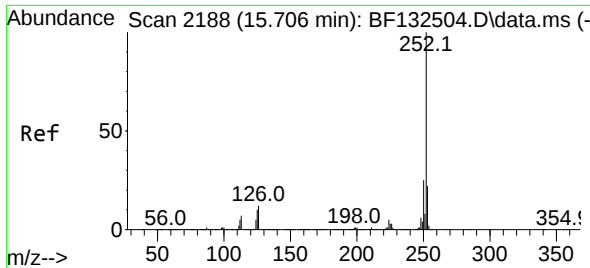
Reviewed By :Yogesh Patel 02/28/2023
Supervised By :Jagrut Upadhyay 02/28/2023



#88
Benzo(b)fluoranthene
Concen: 4.861 ng m
RT: 15.283 min Scan# 2116
Delta R.T. -0.012 min
Lab File: BF132551.D
Acq: 27 Feb 2023 14:22

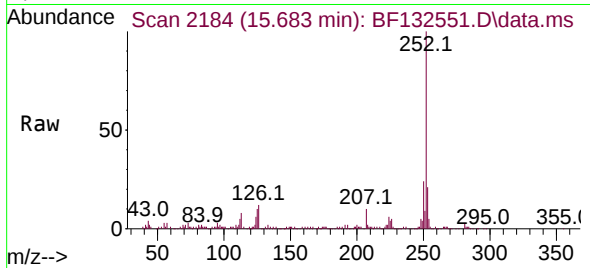
Tgt Ion:252 Resp: 121048
Ion Ratio Lower Upper
252 100
253 20.8 17.4 26.0
125 9.6 7.0 10.6





#90
Benzo(a)pyrene
Concen: 3.535 ng
RT: 15.683 min Scan# 2188
Delta R.T. -0.006 min
Lab File: BF132551.D
Acq: 27 Feb 2023 14:22

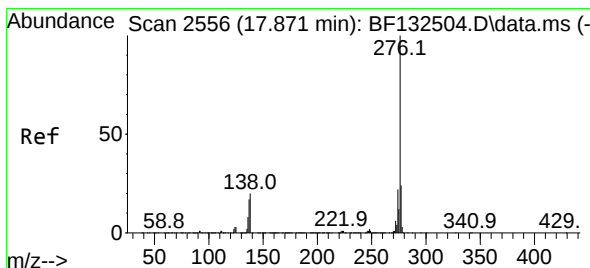
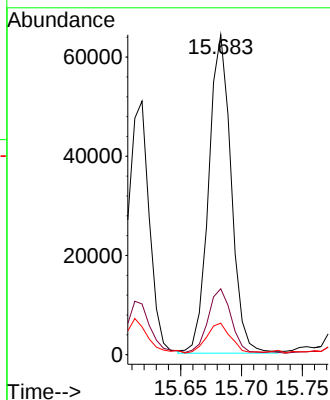
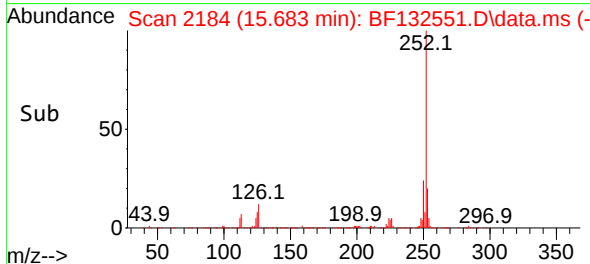
Instrument :
BNA_F
ClientSampleId :
VNJ-231



Tgt Ion:252 Resp: 82394
Ion Ratio Lower Upper
252 100
253 20.6 17.2 25.8
125 9.8 8.0 12.0

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/28/2023
Supervised By :Jagrut Upadhyay 02/28/2023



#92
Benzo(g,h,i)perylene
Concen: 3.631 ng
RT: 17.830 min Scan# 2549
Delta R.T. -0.024 min
Lab File: BF132551.D
Acq: 27 Feb 2023 14:22

Tgt Ion:276 Resp: 46794
Ion Ratio Lower Upper
276 100
277 24.5 18.9 28.3
138 17.6 16.2 24.4

