

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042623\
 Data File : BF133082.D
 Acq On : 27 Apr 2023 00:05
 Operator : CG\JU
 Sample : 02490-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-201

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 04/27/2023
 Supervised By :Jagrut Upadhyay 04/27/2023

Quant Time: Apr 27 02:04:23 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 27 01:56:03 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.734	152	170864	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	697096	20.000	ng	0.00
39) Acenaphthene-d10	9.769	164	361501	20.000	ng	0.00
64) Phenanthrene-d10	11.251	188	638211	20.000	ng	0.00
76) Chrysene-d12	13.880	240	369270	20.000	ng	-0.01
86) Perylene-d12	15.304	264	393834	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.351	112	1326393	117.267	ng	0.01
7) Phenol-d6	6.375	99	1625257	115.765	ng	0.00
23) Nitrobenzene-d5	7.298	82	973631	75.389	ng	0.00
42) 2,4,6-Tribromophenol	10.557	330	423613	116.519	ng	0.00
45) 2-Fluorobiphenyl	9.098	172	1619107	74.931	ng	0.00
79) Terphenyl-d14	12.839	244	1634507	76.339	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	12.457	202	271950	7.900	ng	99
78) Pyrene	12.686	202	241048	7.615	ng	99
81) Benzo(a)anthracene	13.874	228	103157	4.062	ng	99
83) Chrysene	13.904	228	93355	3.677	ng	99
88) Benzo(b)fluoranthene	14.898	252	117151m	4.676	ng	
90) Benzo(a)pyrene	15.239	252	78037	3.422	ng	98
92) Benzo(g,h,i)perylene	17.074	276	38365	2.080	ng	96

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

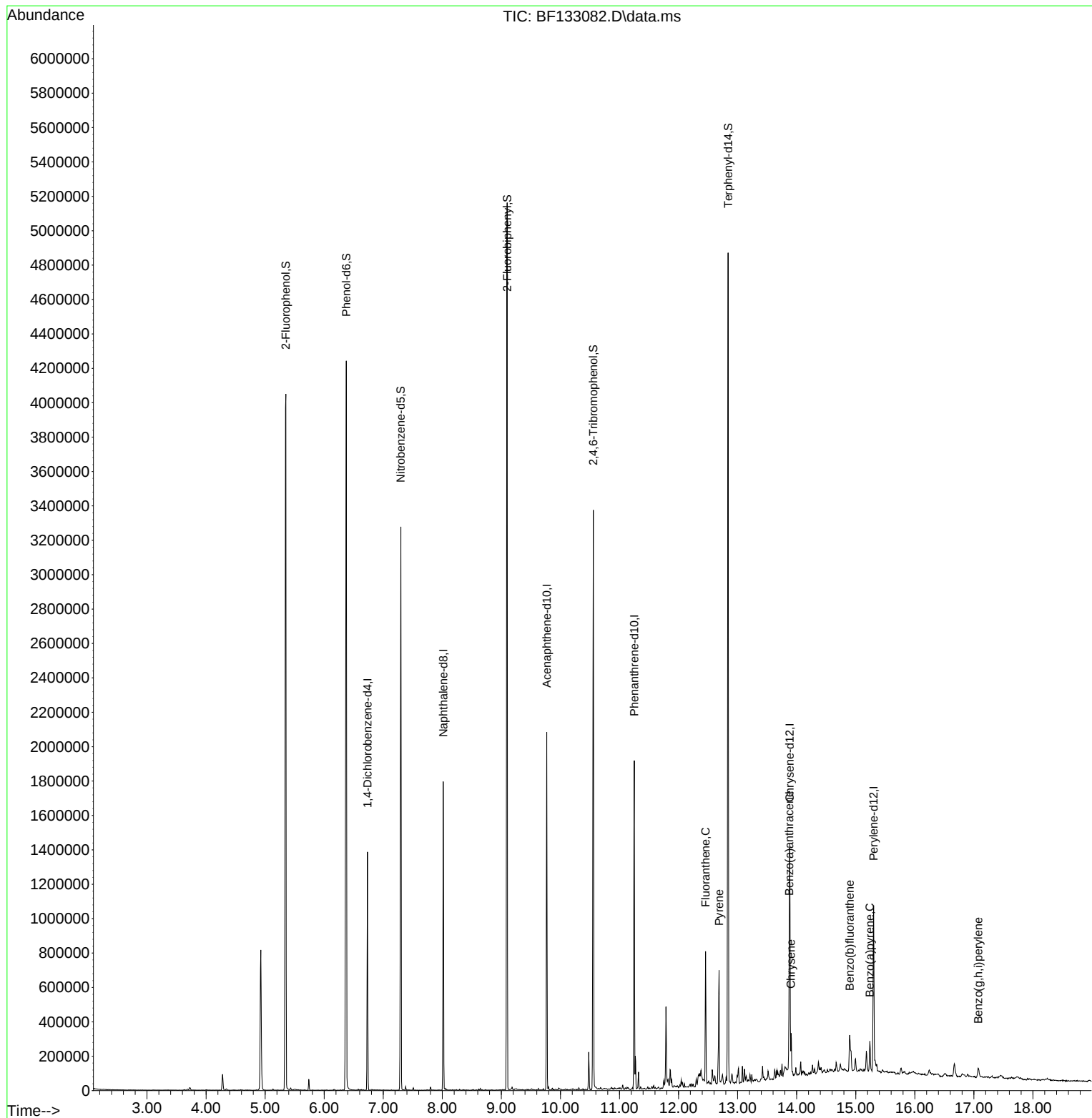
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042623\
Data File : BF133082.D
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ALS Vial : 18 Sample Multiplier: 1

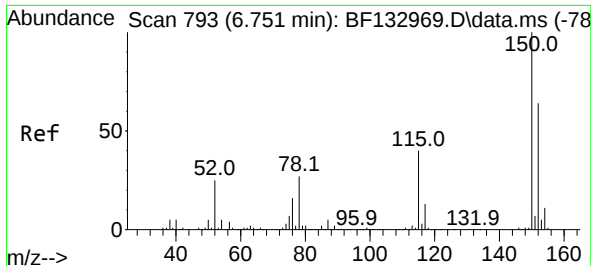
Instrument :
BNA_F
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VNJ-201

Quant Time: Apr 27 02:04:23 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 27 01:56:03 2023
Response via : Initial Calibration

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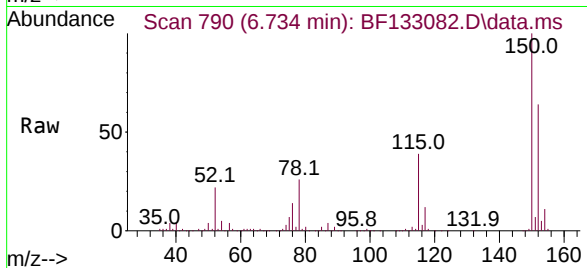
Reviewed By : Christian Giraldo 04/27/2023
Supervised By : Jagrut Upadhyay 04/27/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.734 min Scan# 793
Delta R.T. -0.005 min
Lab File: BF133082.D
Acq: 27 Apr 2023 00:05

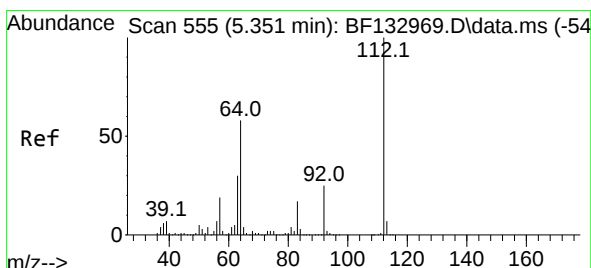
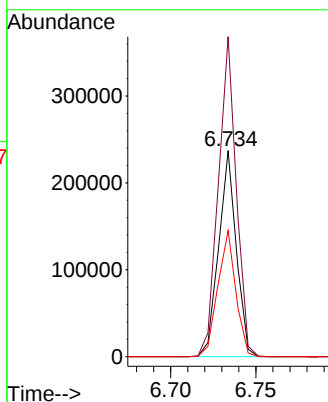
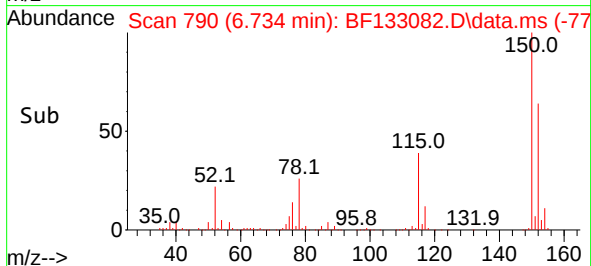
Instrument :
BNA_F
ClientSampleId :
VNJ-201



Tgt Ion:152 Resp: 170864
Ion Ratio Lower Upper
152 100
150 155.3 124.8 187.2
115 61.2 49.9 74.9

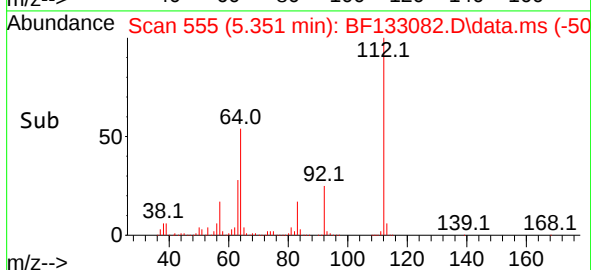
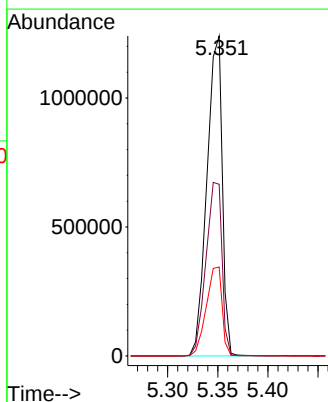
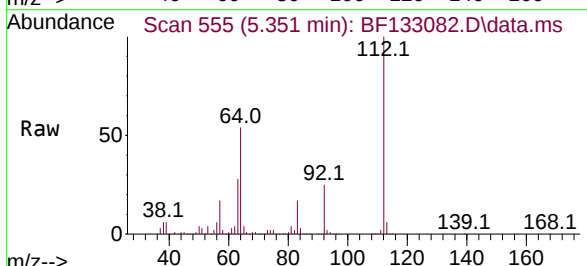
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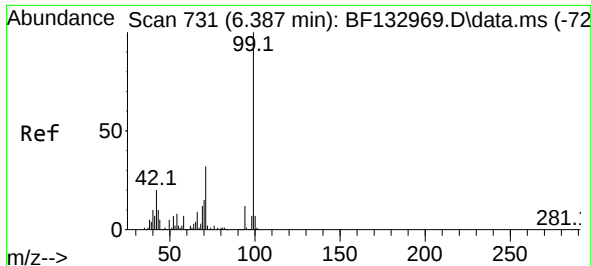
Reviewed By :Christian Giraldo 04/27/2023
Supervised By :Jagrut Upadhyay 04/27/2023



#5
2-Fluorophenol
Concen: 117.267 ng
RT: 5.351 min Scan# 555
Delta R.T. 0.012 min
Lab File: BF133082.D
Acq: 27 Apr 2023 00:05

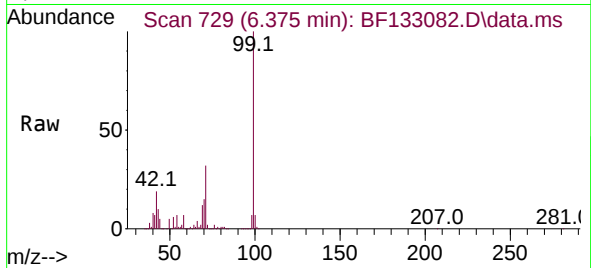
Tgt Ion:112 Resp: 1326393
Ion Ratio Lower Upper
112 100
64 53.7 46.8 70.2
63 27.8 23.8 35.8





#7
Phenol-d6
Concen: 115.765 ng
RT: 6.375 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133082.D
Acq: 27 Apr 2023 00:05

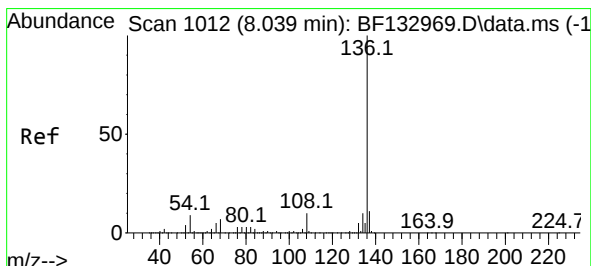
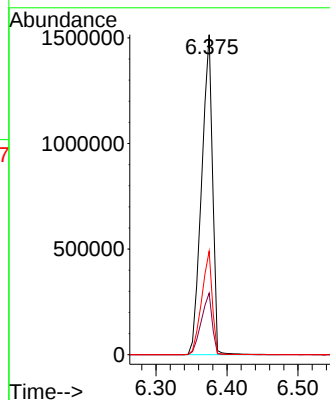
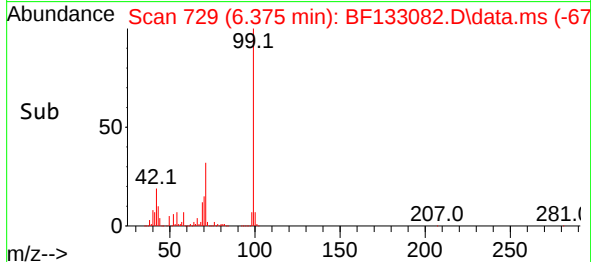
Instrument :
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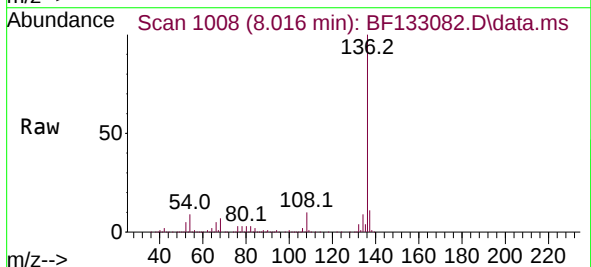
Tgt Ion: 99 Resp: 162525
Ion Ratio Lower Upper
99 100
42 19.2 16.3 24.5
71 32.4 25.6 38.4

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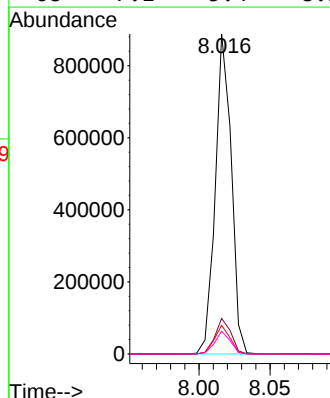
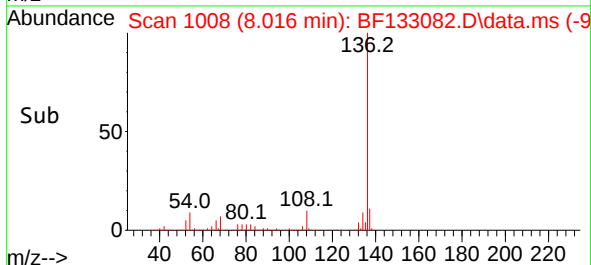
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Supervised By :Jagrut Upadhyay 04/27/2023

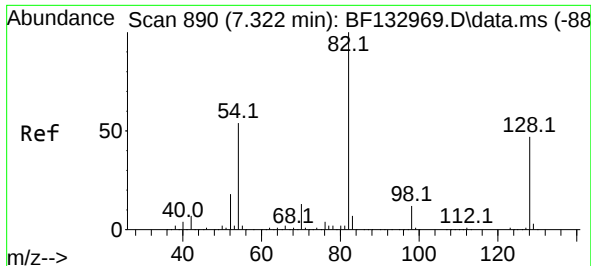


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF133082.D
Acq: 27 Apr 2023 00:05



Tgt Ion:136 Resp: 697096
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 8.9 7.0 10.4
68 7.1 5.4 8.2





#23

Nitrobenzene-d5

Concen: 75.389 ng

RT: 7.298 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF133082.D

Acq: 27 Apr 2023 00:05

Instrument :

BNA_F

ClientSampleId :

VNJ-201

Tgt Ion: 82 Resp: 97363

Ion Ratio Lower Upper

82 100

128 47.1 37.7 56.5

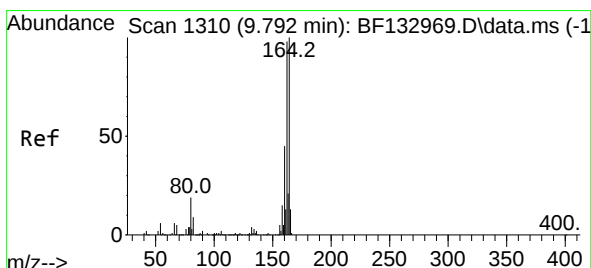
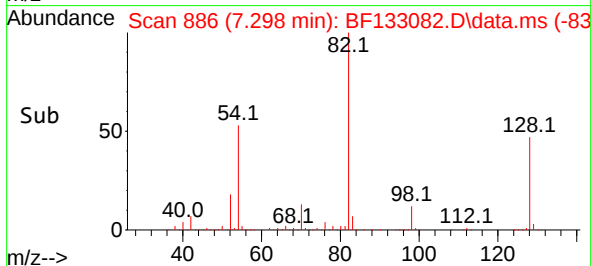
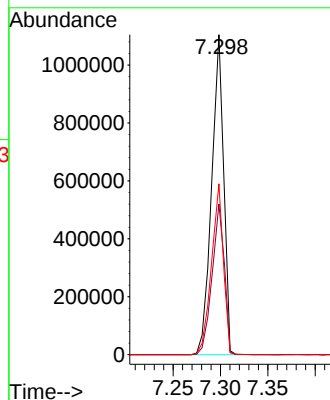
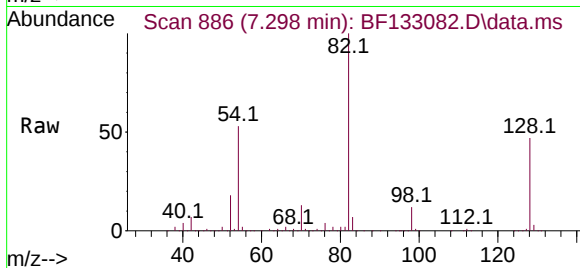
54 53.4 43.0 64.4

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.769 min Scan# 1306

Delta R.T. -0.006 min

Lab File: BF133082.D

Acq: 27 Apr 2023 00:05

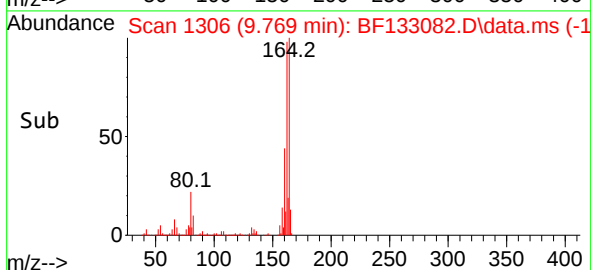
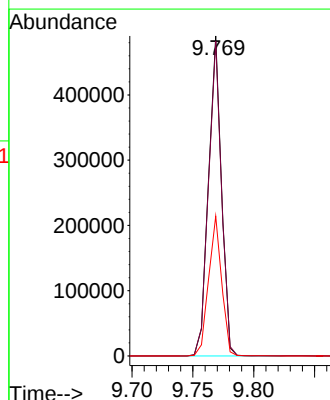
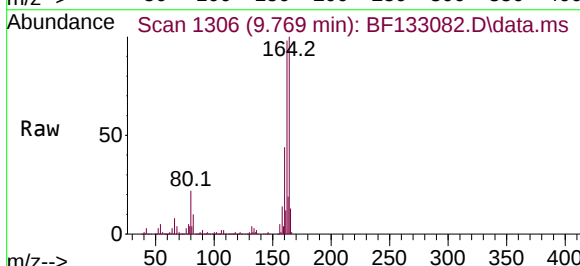
Tgt Ion:164 Resp: 361501

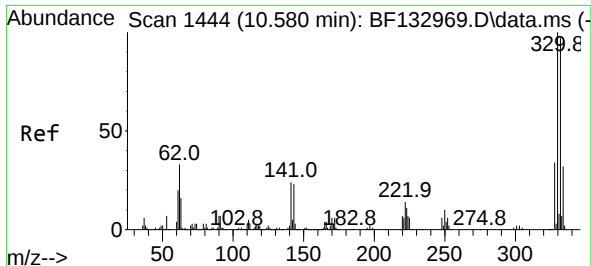
Ion Ratio Lower Upper

164 100

162 98.4 78.7 118.1

160 43.7 35.8 53.6





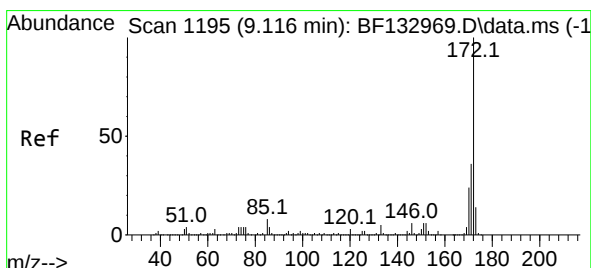
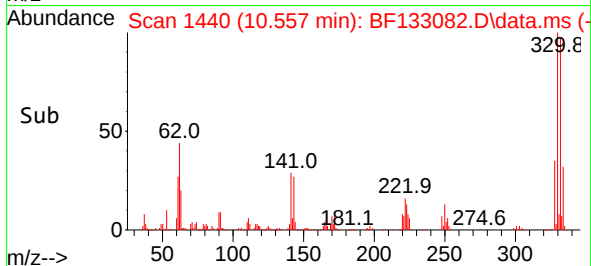
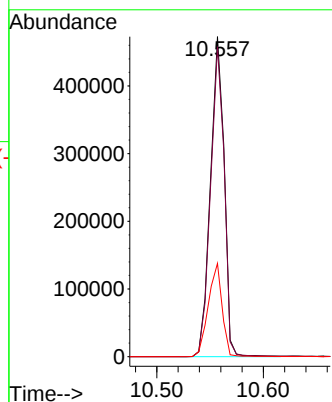
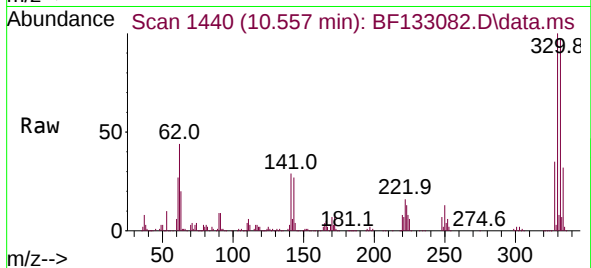
#42
2,4,6-Tribromophenol
Concen: 116.519 ng
RT: 10.557 min Scan# 1440
Delta R.T. -0.006 min
Lab File: BF133082.D
Acq: 27 Apr 2023 00:05

Instrument :
BNA_F
ClientSampleId :
VNJ-201

Tgt Ion:330 Resp: 42361
Ion Ratio Lower Upper
330 100
332 96.8 77.1 115.7
141 29.6 25.8 38.8

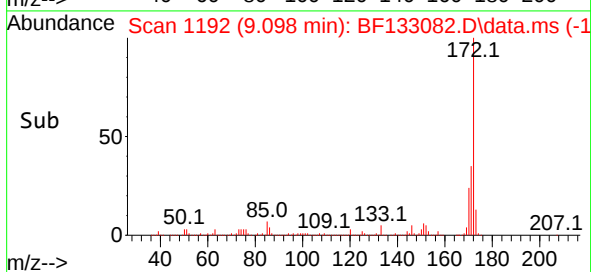
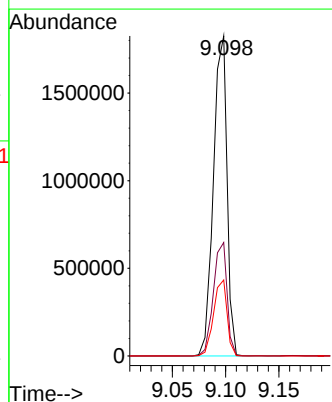
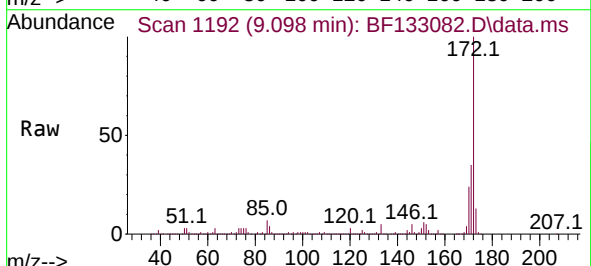
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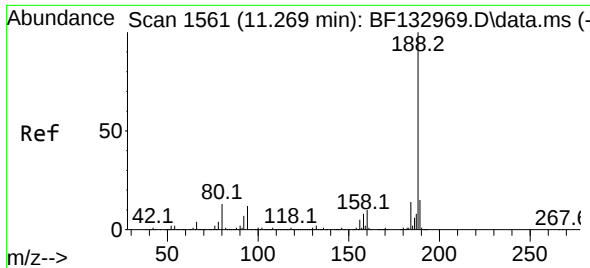
Reviewed By :Christian Giraldo 04/27/2023
Supervised By :Jagrut Upadhyay 04/27/2023



#45
2-Fluorobiphenyl
Concen: 74.931 ng
RT: 9.098 min Scan# 1192
Delta R.T. 0.000 min
Lab File: BF133082.D
Acq: 27 Apr 2023 00:05

Tgt Ion:172 Resp: 1619107
Ion Ratio Lower Upper
172 100
171 35.5 28.8 43.2
170 23.8 19.4 29.2





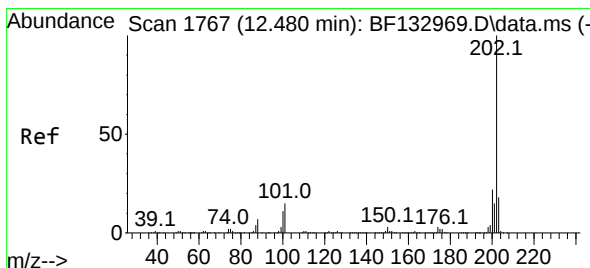
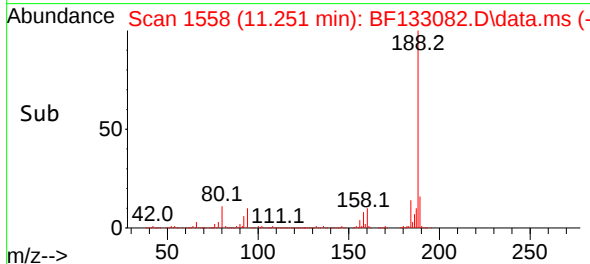
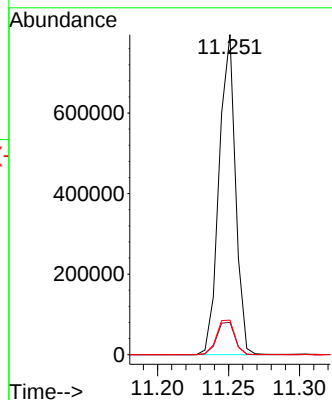
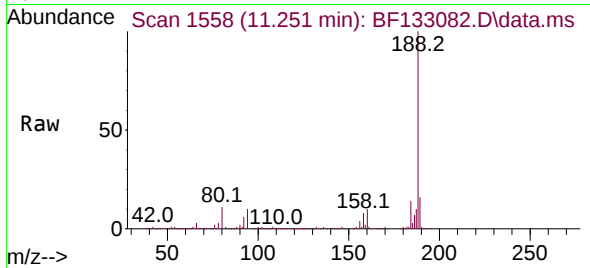
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.251 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF133082.D
Acq: 27 Apr 2023 00:05

Instrument :
BNA_F
ClientSampleId :
VNJ-201

Tgt Ion:188 Resp: 63821
Ion Ratio Lower Upper
188 100
94 10.1 9.7 14.5
80 10.8 10.4 15.6

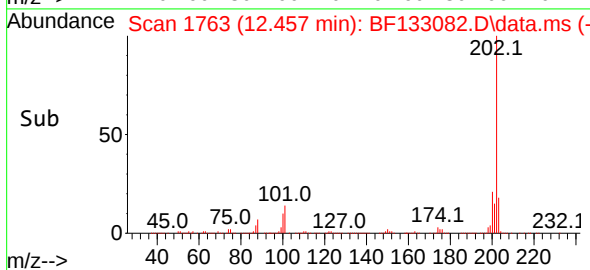
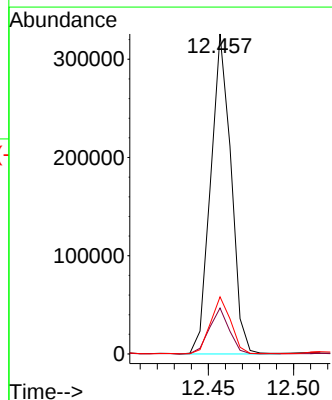
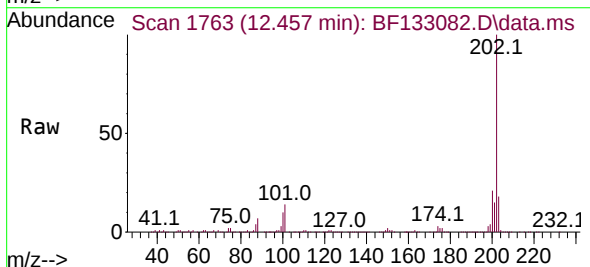
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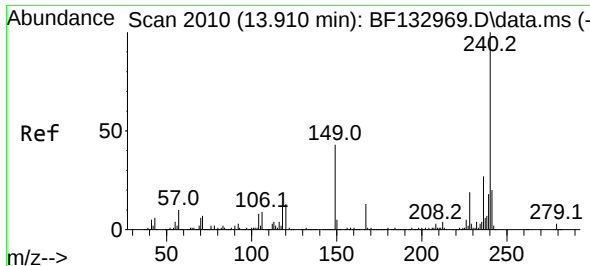
Reviewed By :Christian Giraldo 04/27/2023
Supervised By :Jagrut Upadhyay 04/27/2023



#75
Fluoranthene
Concen: 7.900 ng
RT: 12.457 min Scan# 1763
Delta R.T. -0.006 min
Lab File: BF133082.D
Acq: 27 Apr 2023 00:05

Tgt Ion:202 Resp: 271950
Ion Ratio Lower Upper
202 100
101 14.3 0.0 35.3
203 17.8 0.0 38.1





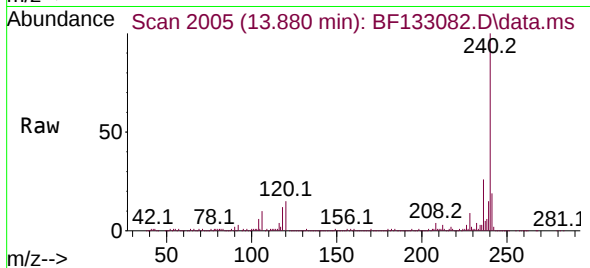
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.880 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF133082.D
Acq: 27 Apr 2023 00:05

Instrument :

BNA_F

ClientSampleId :

VNJ-201

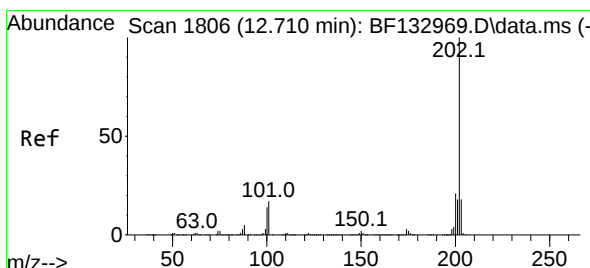
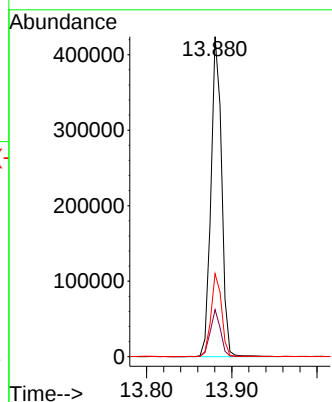
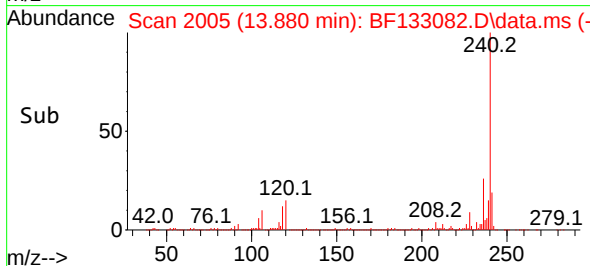


Tgt Ion:240 Resp: 369270
Ion Ratio Lower Upper
240 100
120 14.7 10.5 15.7
236 26.0 21.5 32.3

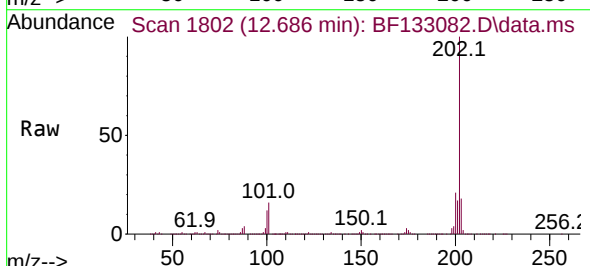
Manual Integrations

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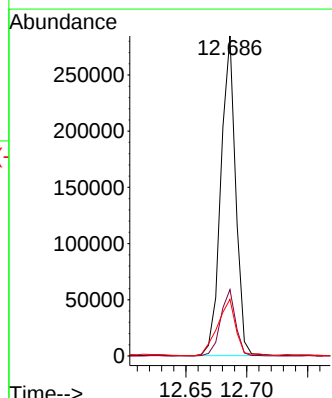
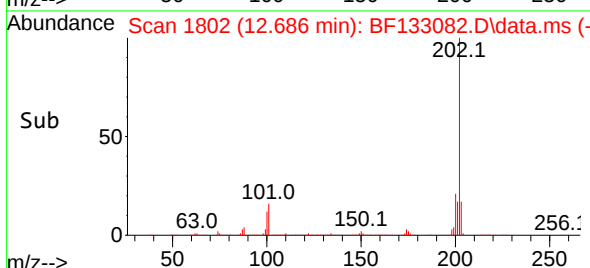
Reviewed By :Christian Giraldo 04/27/2023
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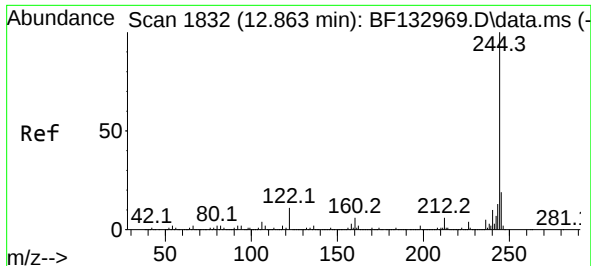


#78
Pyrene
Concen: 7.615 ng
RT: 12.686 min Scan# 1802
Delta R.T. -0.006 min
Lab File: BF133082.D
Acq: 27 Apr 2023 00:05



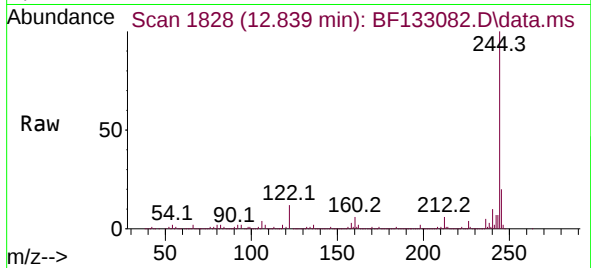
Tgt Ion:202 Resp: 241048
Ion Ratio Lower Upper
202 100
200 20.8 17.1 25.7
203 17.7 14.1 21.1





#79
Terphenyl-d14
Concen: 76.339 ng
RT: 12.839 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF133082.D
Acq: 27 Apr 2023 00:05

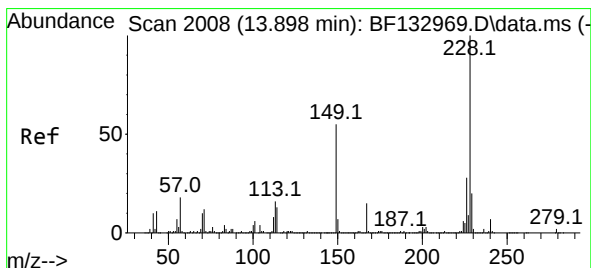
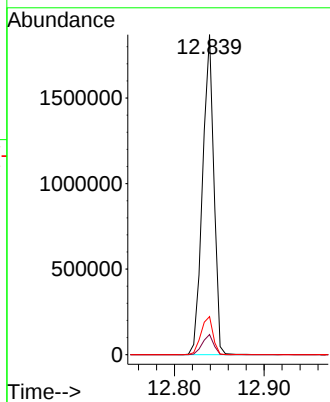
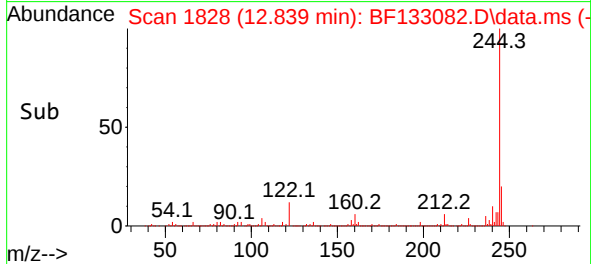
Instrument :
BNA_F
ClientSampleId :
VNJ-201



Tgt Ion:244 Resp: 163450
Ion Ratio Lower Upper
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212 6.3 5.1 7.7
122 11.9 8.6 13.0

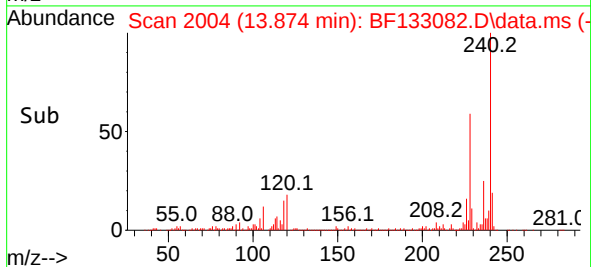
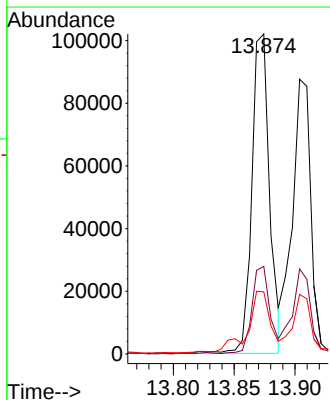
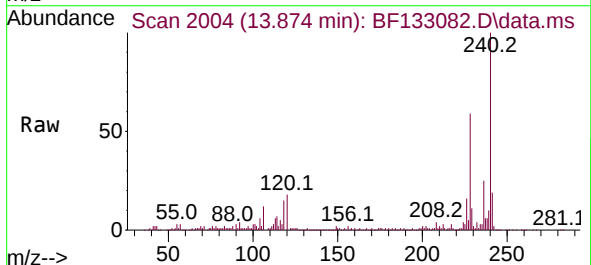
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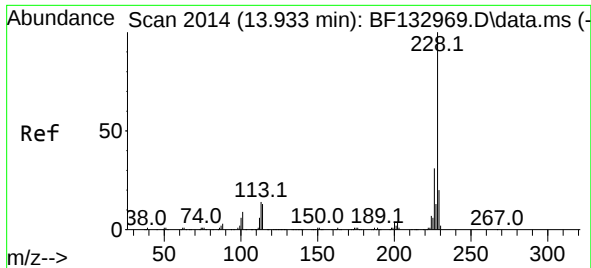
Reviewed By :Christian Giraldo 04/27/2023
Supervised By :Jagrut Upadhyay 04/27/2023



#81
Benzo(a)anthracene
Concen: 4.062 ng
RT: 13.874 min Scan# 2004
Delta R.T. -0.006 min
Lab File: BF133082.D
Acq: 27 Apr 2023 00:05

Tgt Ion:228 Resp: 103157
Ion Ratio Lower Upper
228 100
226 27.4 22.2 33.4
229 19.4 16.0 24.0





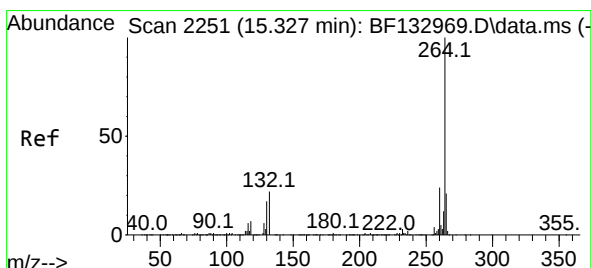
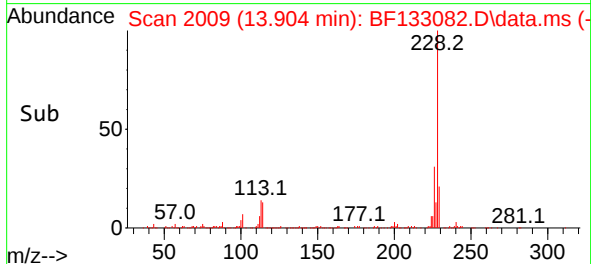
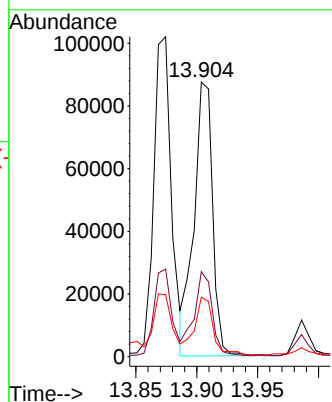
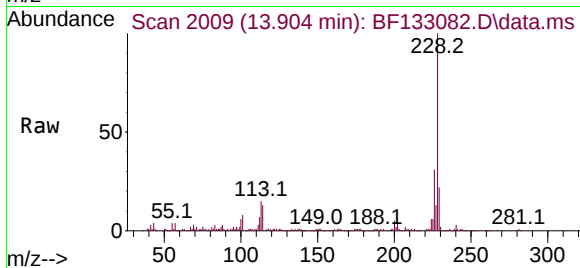
#83
Chrysene
Concen: 3.677 ng
RT: 13.904 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF133082.D
Acq: 27 Apr 2023 00:05

Instrument :
BNA_F
ClientSampleId :
VNJ-201

Tgt Ion:228 Resp: 9335
Ion Ratio Lower Upper
228 100
226 31.0 24.7 37.1
229 21.7 16.1 24.1

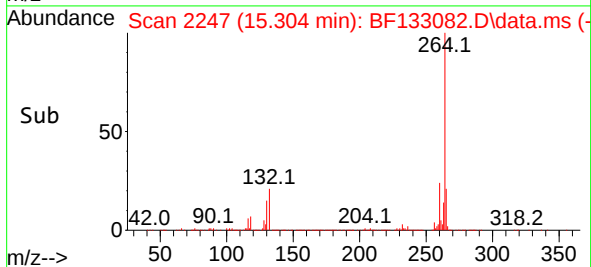
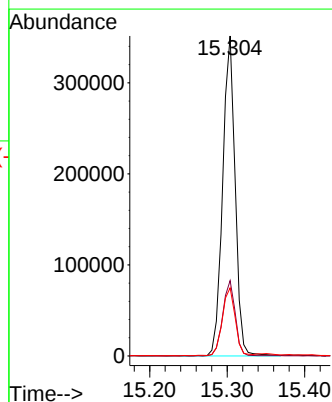
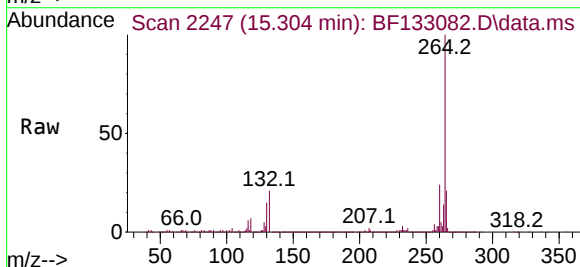
Manual Integrations
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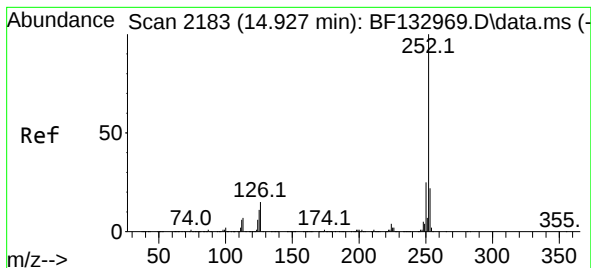
Reviewed By :Christian Giraldo 04/27/2023
Supervised By :Jagrut Upadhyay 04/27/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.304 min Scan# 2247
Delta R.T. 0.000 min
Lab File: BF133082.D
Acq: 27 Apr 2023 00:05

Tgt Ion:264 Resp: 393834
Ion Ratio Lower Upper
264 100
260 23.6 18.8 28.2
265 21.3 17.0 25.4





#88

Benzo(b)fluoranthene

Concen: 4.676 ng m

RT: 14.898 min Scan# 2183

Delta R.T. -0.006 min

Lab File: BF133082.D

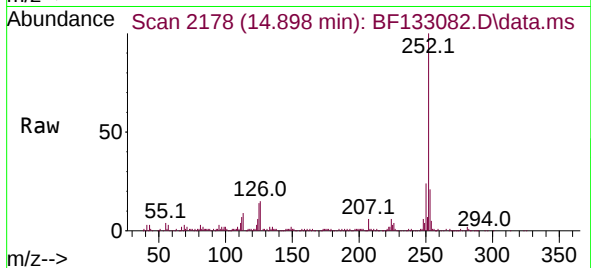
Acq: 27 Apr 2023 00:05

Instrument :

BNA_F

ClientSampleId :

VNJ-201



Tgt Ion:252 Resp: 11715

Ion Ratio Lower Upper

252 100

253 21.5 17.6 26.4

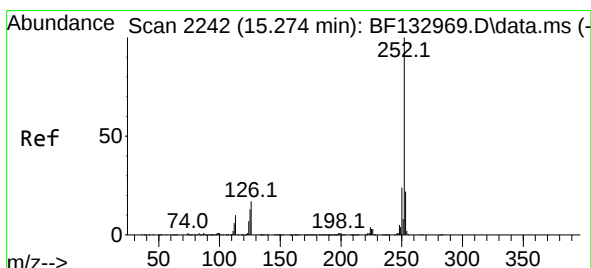
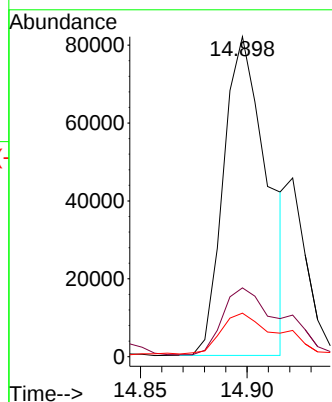
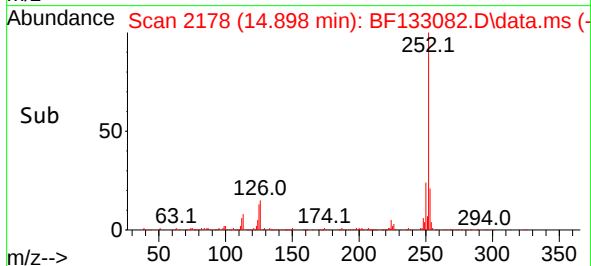
125 13.6 8.9 13.3

Manual Integrations

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Reviewed By :Christian Giraldo 04/27/2023

Supervised By :Jagrut Upadhyay 04/27/2023



#90

Benzo(a)pyrene

Concen: 3.422 ng

RT: 15.239 min Scan# 2236

Delta R.T. -0.012 min

Lab File: BF133082.D

Acq: 27 Apr 2023 00:05

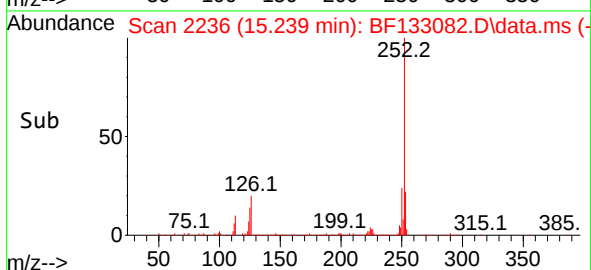
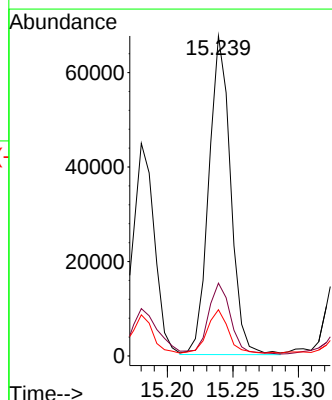
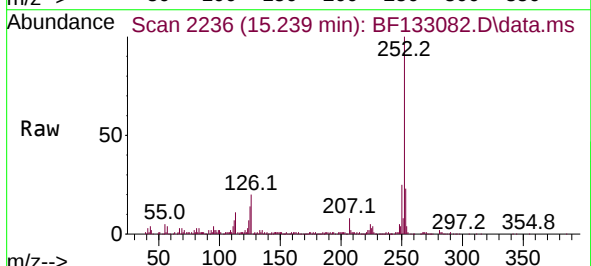
Tgt Ion:252 Resp: 78037

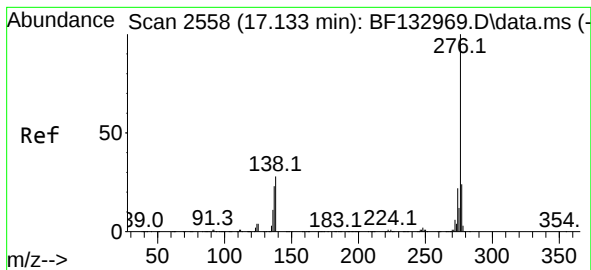
Ion Ratio Lower Upper

252 100

253 22.8 17.7 26.5

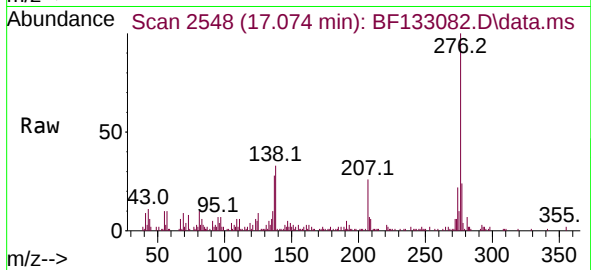
125 14.4 10.5 15.7





#92
 Benzo(g,h,i)perylene
 Concen: 2.080 ng
 RT: 17.074 min Scan# 21
 Delta R.T. -0.023 min
 Lab File: BF133082.D
 Acq: 27 Apr 2023 00:05

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-201



Tgt Ion: 276 Resp: 3836
 Ion Ratio Lower Upper
 276 100
 277 24.2 19.4 29.0
 138 32.6 22.7 34.1

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/27/2023
 Supervised By : Jagrut Upadhyay 04/27/2023

