

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050923\
 Data File : BF133319.D
 Acq On : 09 May 2023 16:07
 Operator : CG\JU
 Sample : 02681-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-207

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/10/2023
 Supervised By : Jagrut Upadhyay 05/10/2023

Quant Time: May 10 01:47:56 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 09 04:59:36 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.722	152	184343	20.000	ng	0.00
21) Naphthalene-d8	8.004	136	735402	20.000	ng	0.00
39) Acenaphthene-d10	9.757	164	381231	20.000	ng	0.00
64) Phenanthrene-d10	11.239	188	678021	20.000	ng	# 0.00
76) Chrysene-d12	13.868	240	363899	20.000	ng	-0.01
86) Perylene-d12	15.292	264	401994	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.334	112	1118399	91.648	ng	0.00
7) Phenol-d6	6.363	99	1375022	90.780	ng	0.00
23) Nitrobenzene-d5	7.287	82	827432	60.732	ng	0.00
42) 2,4,6-Tribromophenol	10.545	330	328550	85.694	ng	0.00
45) 2-Fluorobiphenyl	9.081	172	1416831	62.176	ng	0.00
79) Terphenyl-d14	12.821	244	1408516	66.755	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.263	178	372242	10.215	ng	98
75) Fluoranthene	12.445	202	555888	15.199	ng	98
78) Pyrene	12.674	202	523379	16.778	ng	99
81) Benzo(a)anthracene	13.863	228	170776	6.824	ng	95
83) Chrysene	13.898	228	200277	8.005	ng	98
87) Indeno(1,2,3-cd)pyrene	16.657	276	88198	3.857	ng	# 93
88) Benzo(b)fluoranthene	14.886	252	229695m	8.981	ng	
89) Benzo(k)fluoranthene	14.910	252	63769m	2.515	ng	
90) Benzo(a)pyrene	15.227	252	153153	6.579	ng	97
92) Benzo(g,h,i)perylene	17.074	276	83369m	4.428	ng	

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

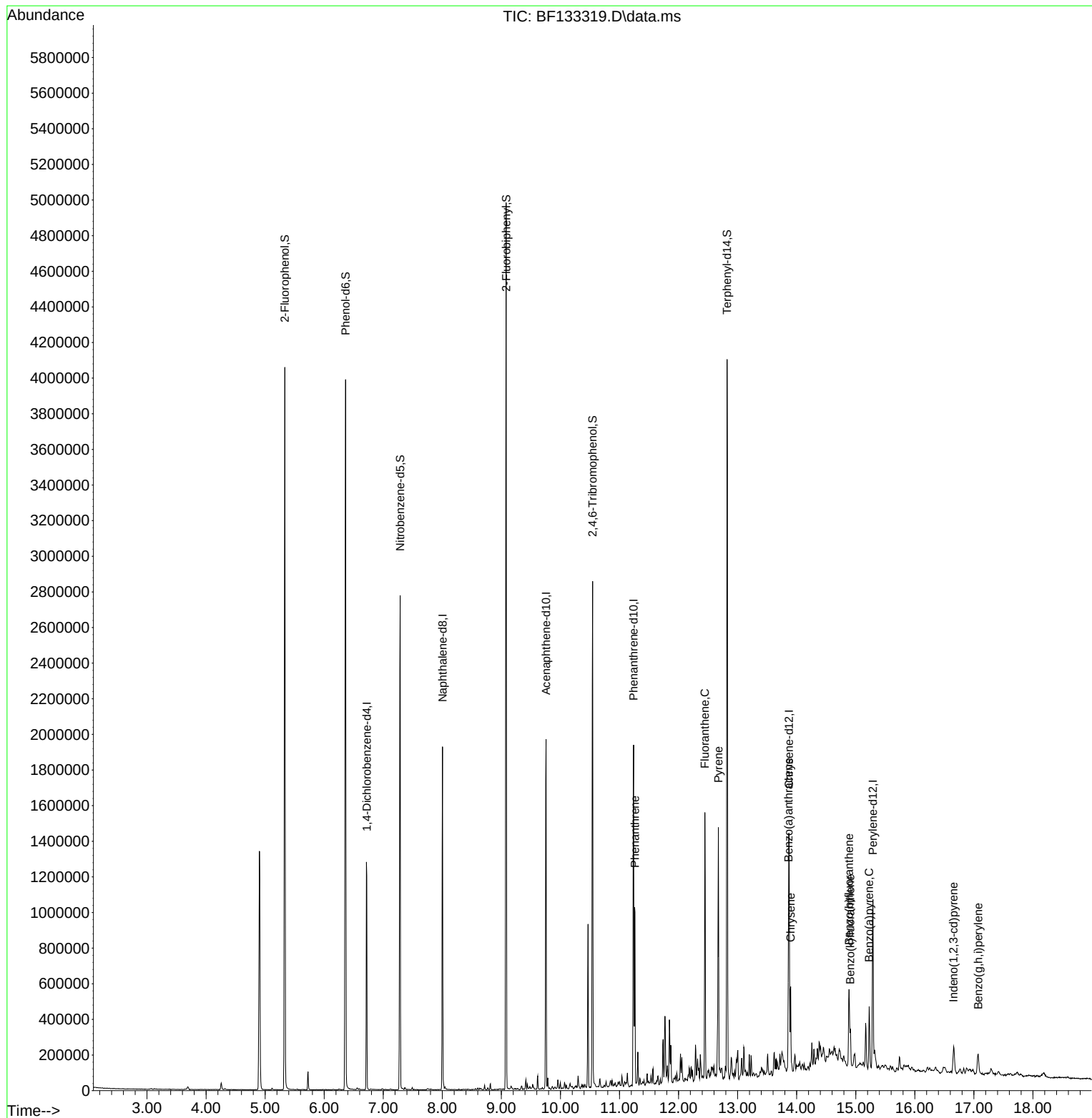
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050923\
Data File : BF133319.D
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ALS Vial : 12 Sample Multiplier: 1

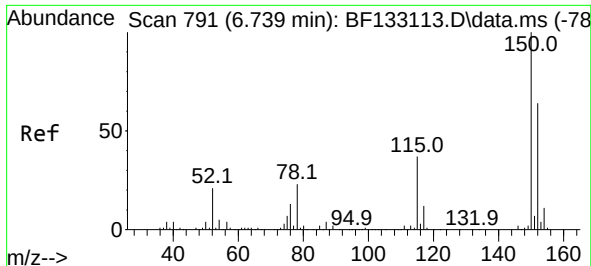
Instrument :
BNA_F
ClientSampleId :
VNJ-207

Quant Time: May 10 01:47:56 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 09 04:59:36 2023
Response via : Initial Calibration

Manual Integrations
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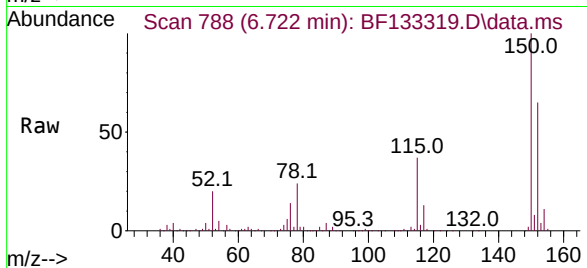
Reviewed By : Christian Giraldo 05/10/2023
Supervised By : Jagrut Upadhyay 05/10/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.722 min Scan# 791
Delta R.T. -0.000 min
Lab File: BF133319.D
Acq: 09 May 2023 16:07

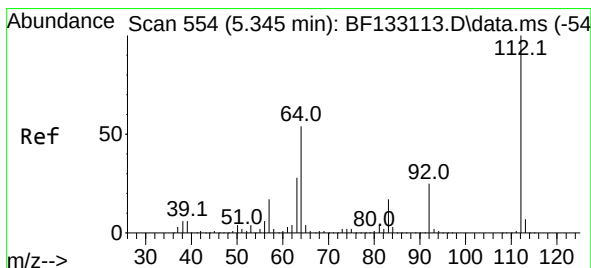
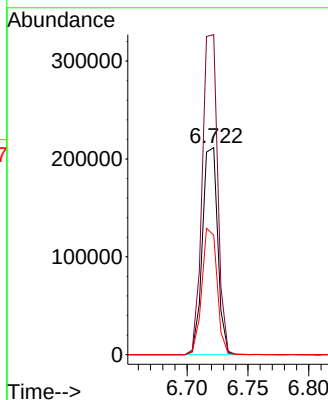
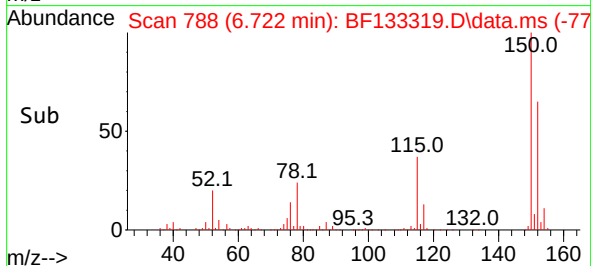
Instrument :
BNA_F
ClientSampleId :
VNJ-207



Tgt Ion:152 Resp: 18434
Ion Ratio Lower Upper
152 100
150 154.6 124.8 187.2
115 57.7 49.9 74.9

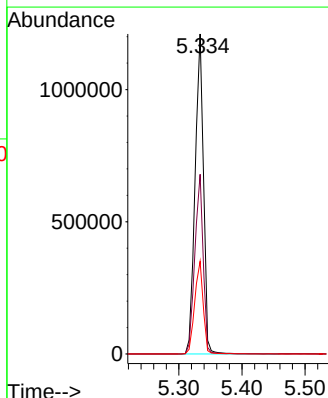
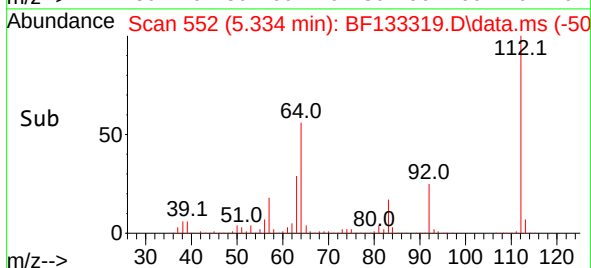
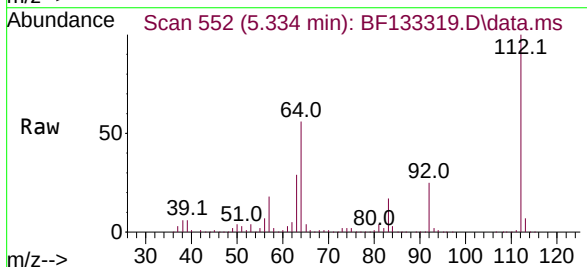
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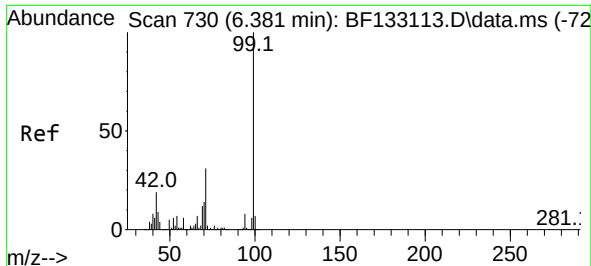
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023



#5
2-Fluorophenol
Concen: 91.648 ng
RT: 5.334 min Scan# 552
Delta R.T. 0.006 min
Lab File: BF133319.D
Acq: 09 May 2023 16:07

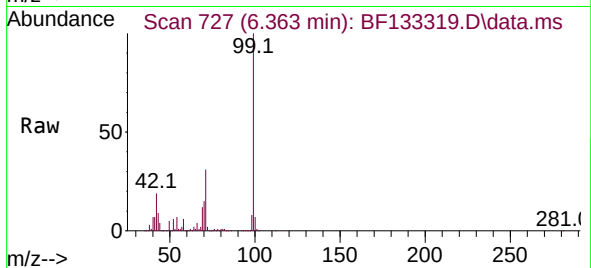
Tgt Ion:112 Resp: 1118399
Ion Ratio Lower Upper
112 100
64 56.1 46.8 70.2
63 29.0 23.8 35.8





#7
Phenol-d6
Concen: 90.780 ng
RT: 6.363 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF133319.D
Acq: 09 May 2023 16:07

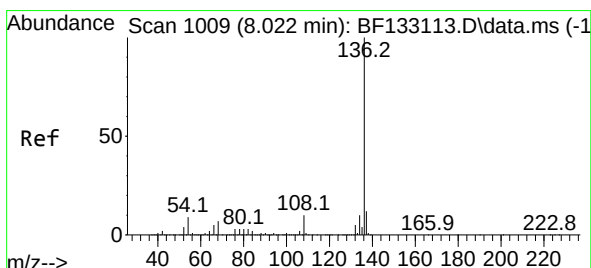
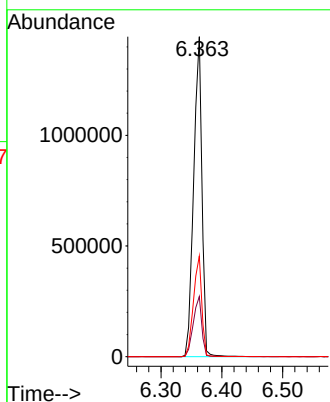
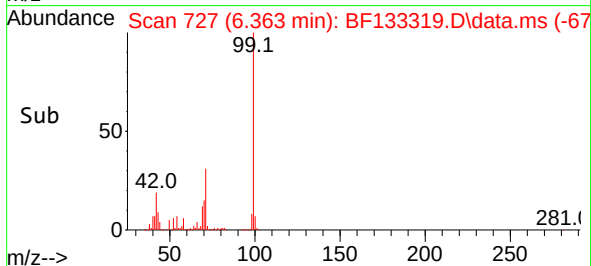
Instrument :
BNA_F
ClientSampleId :
VNJ-207



Tgt Ion: 99 Resp: 137502
Ion Ratio Lower Upper
99 100
42 18.8 16.3 24.5
71 31.4 25.6 38.4

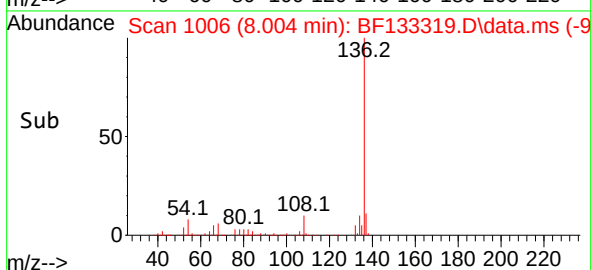
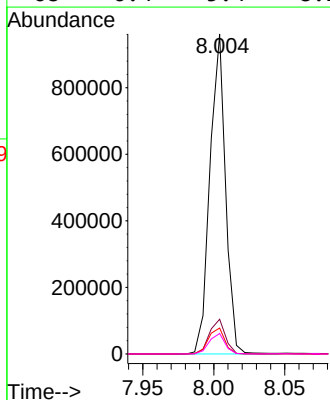
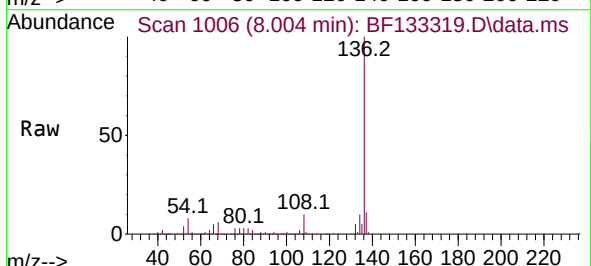
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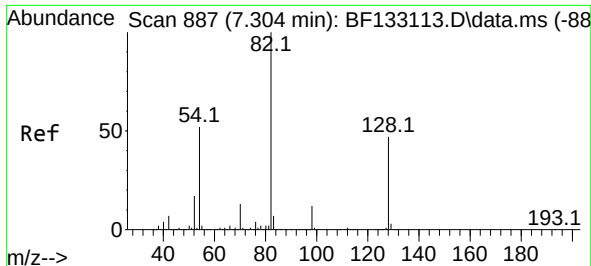
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.004 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF133319.D
Acq: 09 May 2023 16:07

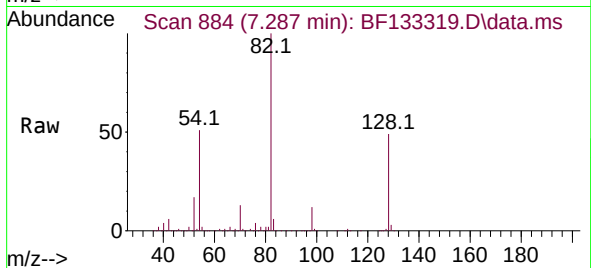
Tgt Ion:136 Resp: 735402
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.1 7.0 10.4
68 6.4 5.4 8.2





#23
Nitrobenzene-d5
Concen: 60.732 ng
RT: 7.287 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF133319.D
Acq: 09 May 2023 16:07

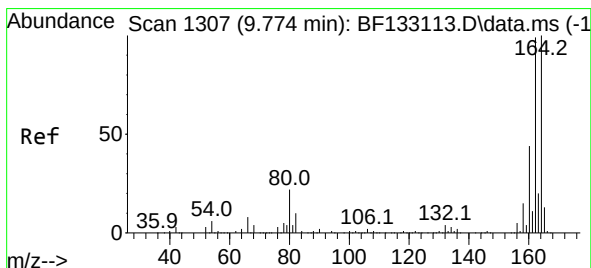
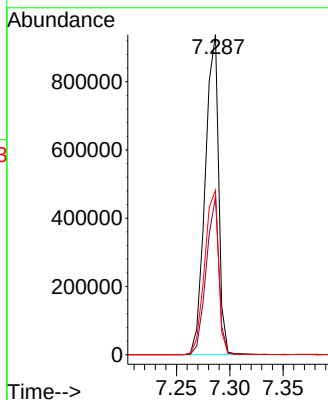
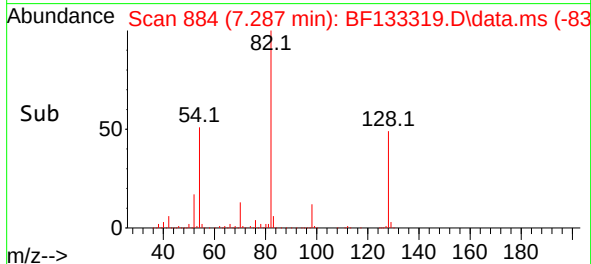
Instrument :
BNA_F
ClientSampleId :
VNJ-207



Tgt Ion: 82 Resp: 827432
Ion Ratio Lower Upper
82 100
128 49.3 37.7 56.5
54 51.4 43.0 64.4

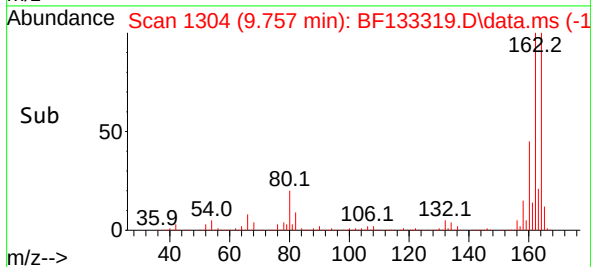
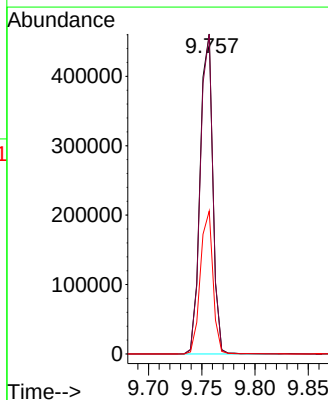
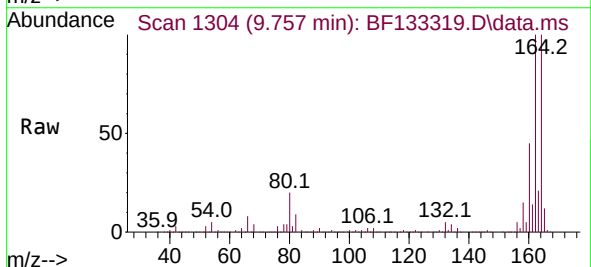
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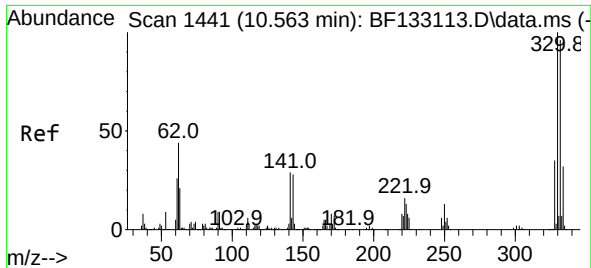
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.757 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BF133319.D
Acq: 09 May 2023 16:07

Tgt Ion:164 Resp: 381231
Ion Ratio Lower Upper
164 100
162 99.8 78.7 118.1
160 44.7 35.8 53.6





#42
2,4,6-Tribromophenol
Concen: 85.694 ng
RT: 10.545 min Scan# 1441
Delta R.T. -0.006 min
Lab File: BF133319.D
Acq: 09 May 2023 16:07

Instrument :

BNA_F

ClientSampleId :

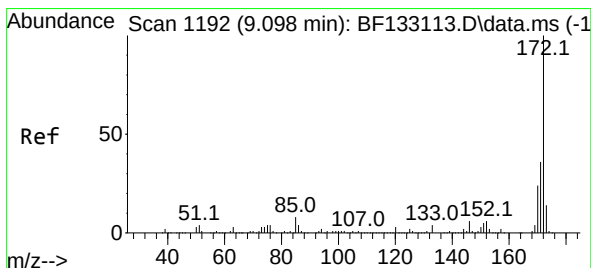
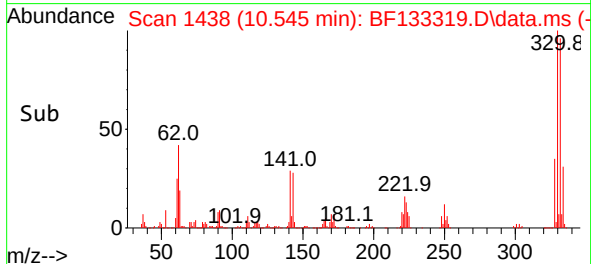
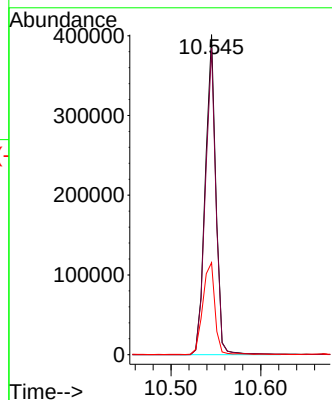
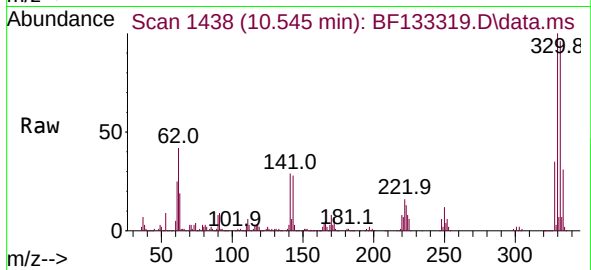
VNJ-207

Tgt Ion:330 Resp: 328550
Ion Ratio Lower Upper
330 100
332 95.9 77.1 115.7
141 33.0 25.8 38.8

Manual Integrations

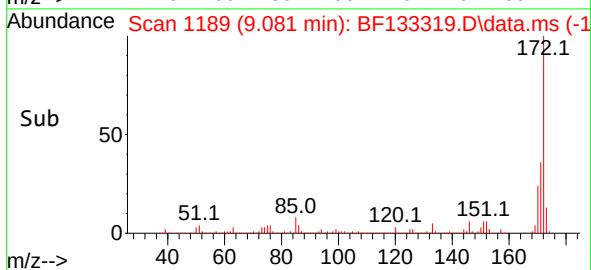
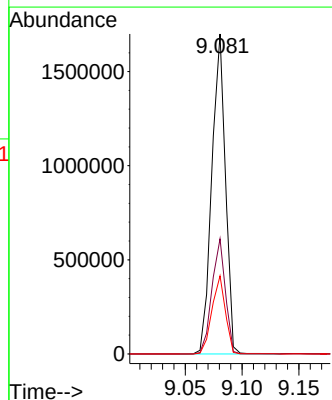
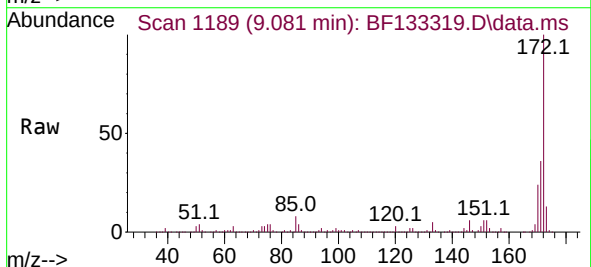
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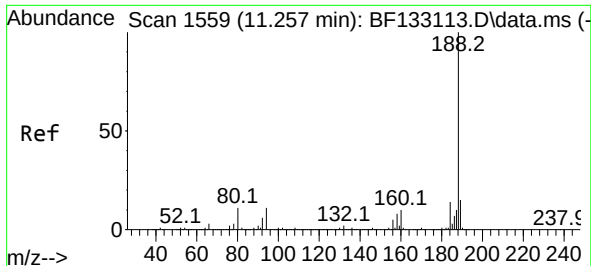
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023



#45
2-Fluorobiphenyl
Concen: 62.176 ng
RT: 9.081 min Scan# 1189
Delta R.T. -0.006 min
Lab File: BF133319.D
Acq: 09 May 2023 16:07

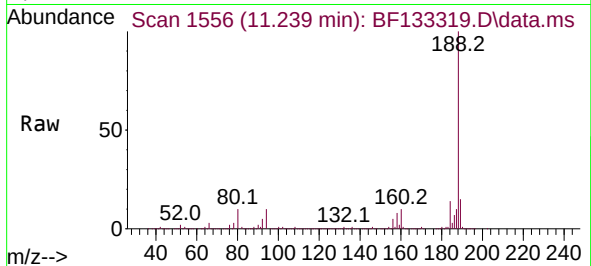
Tgt Ion:172 Resp: 1416831
Ion Ratio Lower Upper
172 100
171 36.0 28.8 43.2
170 24.4 19.4 29.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.239 min Scan# 1556
Delta R.T. -0.006 min
Lab File: BF133319.D
Acq: 09 May 2023 16:07

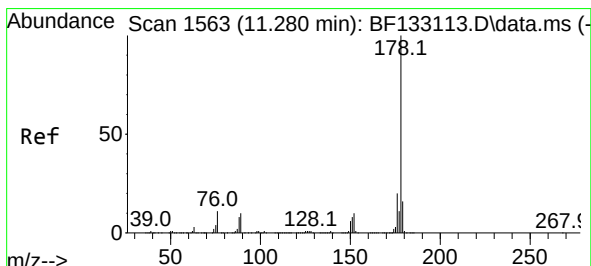
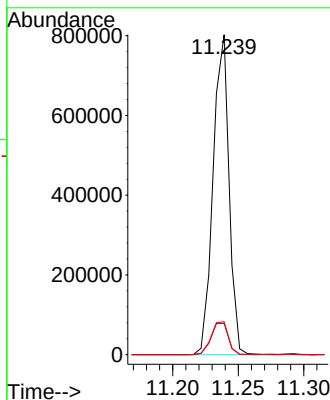
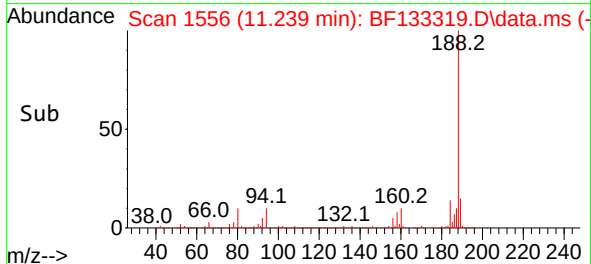
Instrument :
BNA_F
ClientSampleId :
VNJ-207



Tgt Ion:188 Resp: 67802
Ion Ratio Lower Upper
188 100
94 9.8 9.7 14.5
80 10.3 10.4 15.6

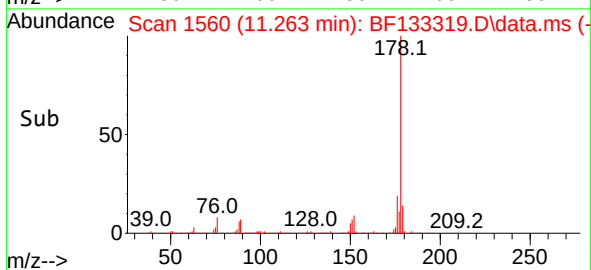
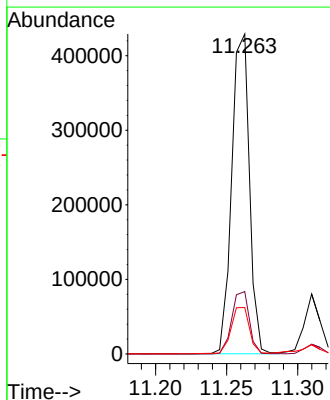
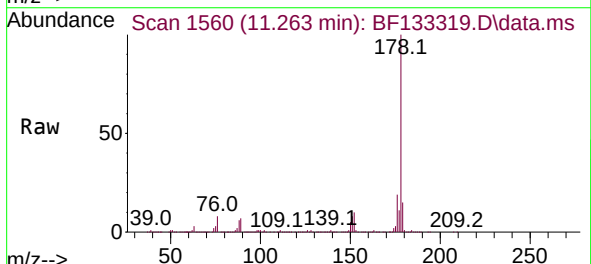
Manual Integrations
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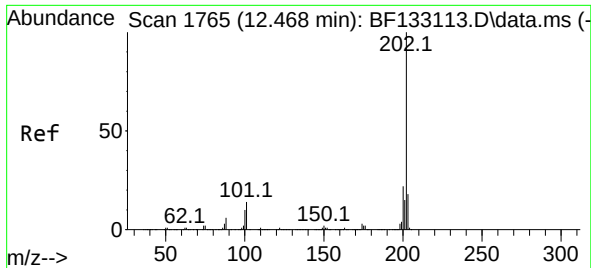
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023



#71
Phenanthrene
Concen: 10.215 ng
RT: 11.263 min Scan# 1560
Delta R.T. -0.006 min
Lab File: BF133319.D
Acq: 09 May 2023 16:07

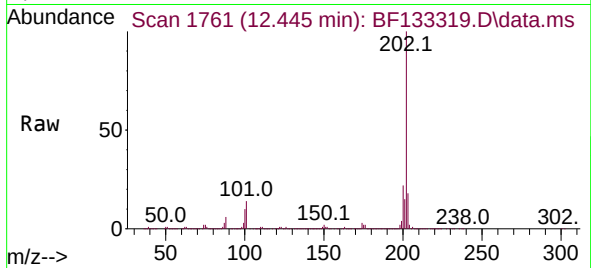
Tgt Ion:178 Resp: 372242
Ion Ratio Lower Upper
178 100
176 19.5 15.9 23.9
179 14.5 12.5 18.7





#75
Fluoranthene
Concen: 15.199 ng
RT: 12.445 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF133319.D
Acq: 09 May 2023 16:07

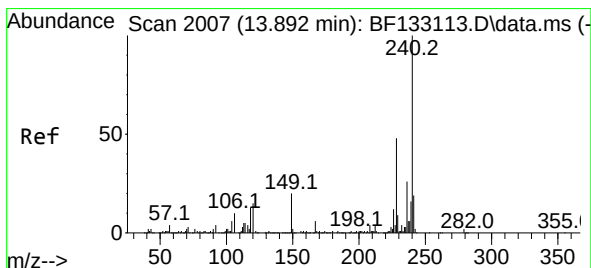
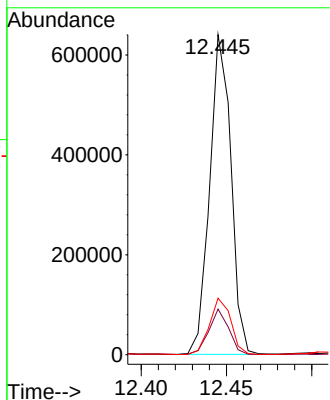
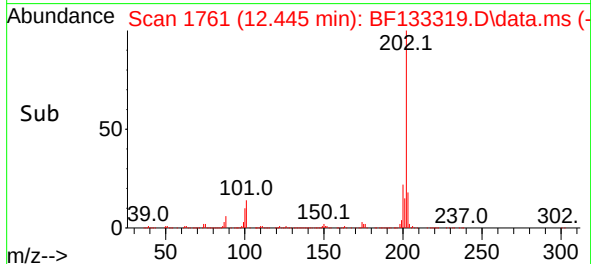
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BNA_F
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VNJ-207



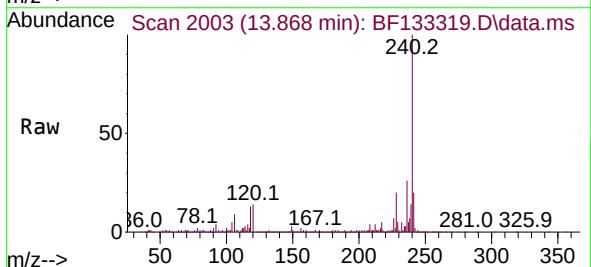
Tgt Ion:202 Resp: 55588
Ion Ratio Lower Upper
202 100
101 14.3 0.0 35.3
203 17.6 0.0 38.1

Manual Integrations
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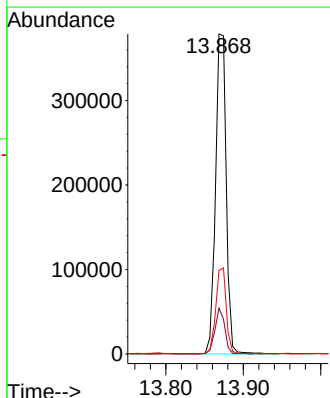
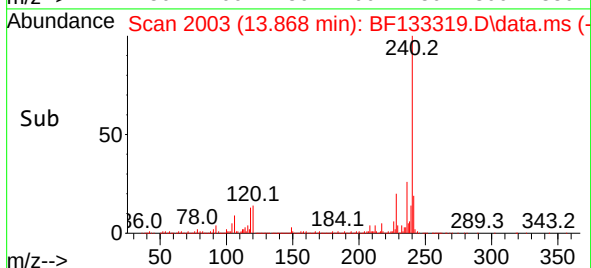
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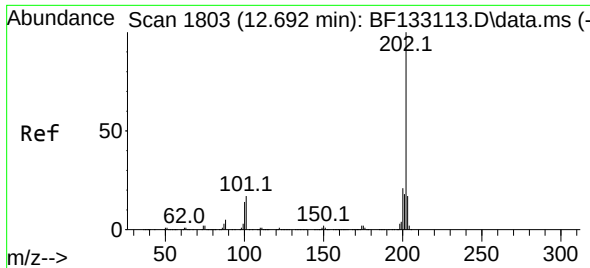


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.868 min Scan# 2003
Delta R.T. -0.012 min
Lab File: BF133319.D
Acq: 09 May 2023 16:07



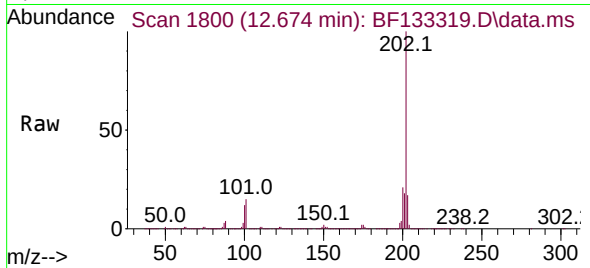
Tgt Ion:240 Resp: 363899
Ion Ratio Lower Upper
240 100
120 14.3 10.5 15.7
236 26.1 21.5 32.3





#78
 Pyrene
 Concen: 16.778 ng
 RT: 12.674 min Scan# 1800
 Delta R.T. -0.006 min
 Lab File: BF133319.D
 Acq: 09 May 2023 16:07

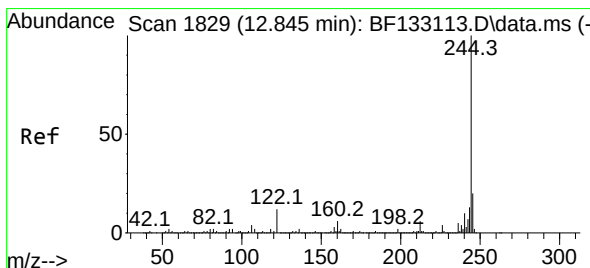
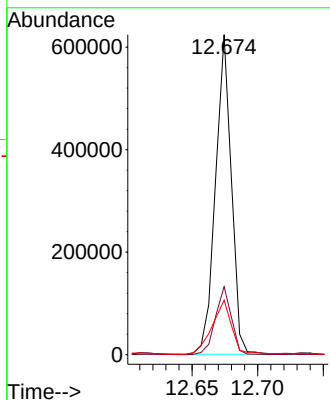
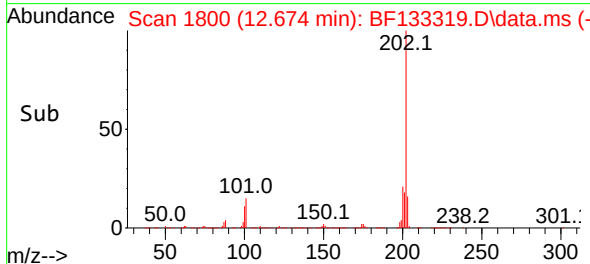
Instrument :
 BNA_F
 ClientSampleId :
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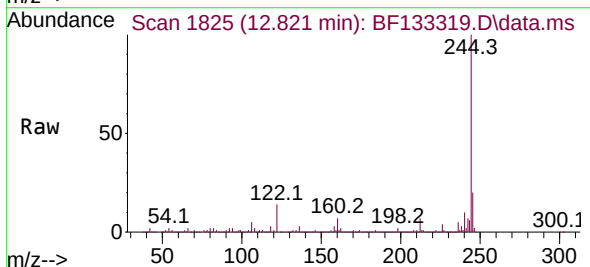
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 Ion Ratio Lower Upper
 202 100
 200 21.2 17.1 25.7
 203 17.0 14.1 21.1

Manual Integrations
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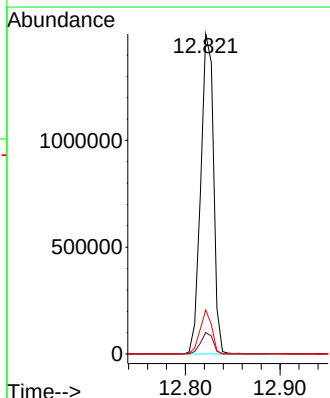
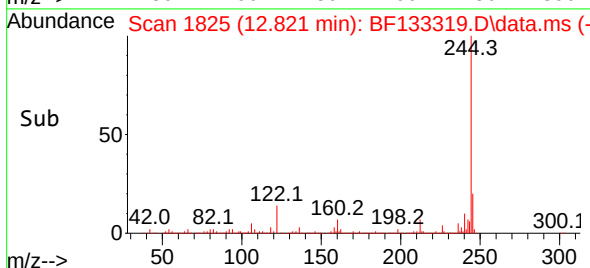
Reviewed By :Christian Giraldo 05/10/2023
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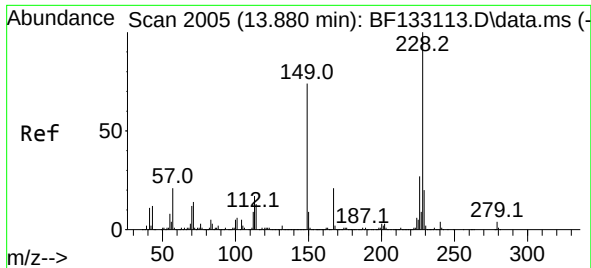


#79
 Terphenyl-d14
 Concen: 66.755 ng
 RT: 12.821 min Scan# 1825
 Delta R.T. -0.012 min
 Lab File: BF133319.D
 Acq: 09 May 2023 16:07



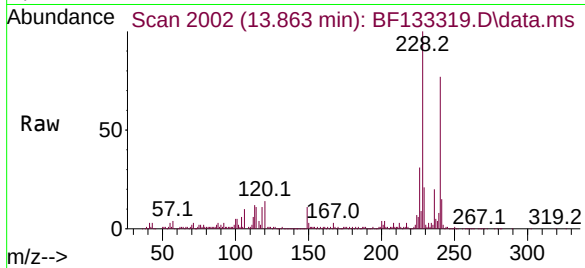
Tgt Ion:244 Resp: 1408516
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.1 7.7
 122 13.7 8.6 13.0#





#81
Benzo(a)anthracene
Concen: 6.824 ng
RT: 13.863 min Scan# 2002
Delta R.T. -0.006 min
Lab File: BF133319.D
Acq: 09 May 2023 16:07

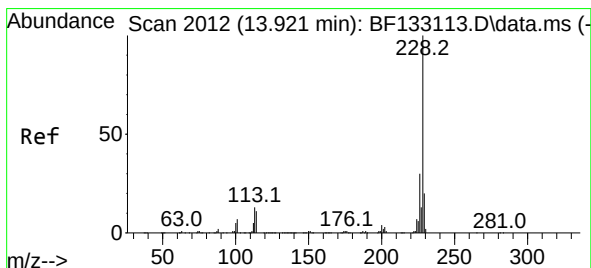
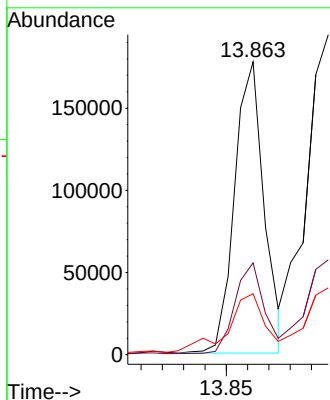
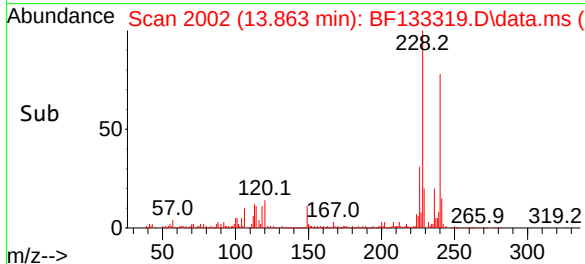
Instrument :
BNA_F
ClientSampleId :
VNJ-207



Tgt Ion:228 Resp: 170770
Ion Ratio Lower Upper
228 100
226 31.4 22.2 33.4
229 20.8 16.0 24.0

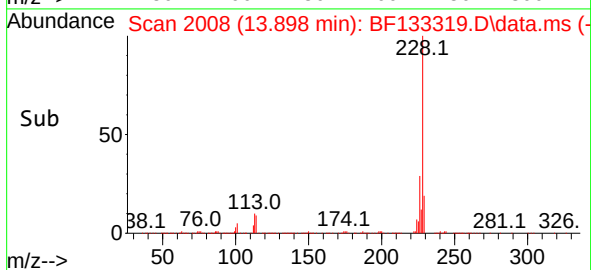
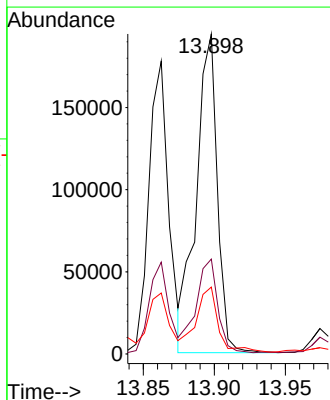
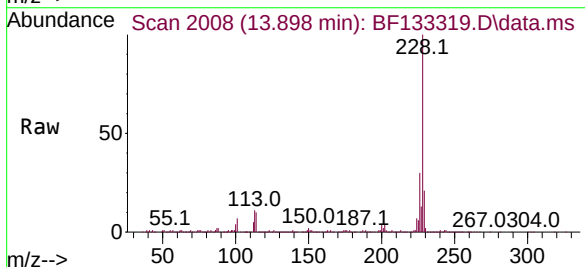
Manual Integrations
APPROVED

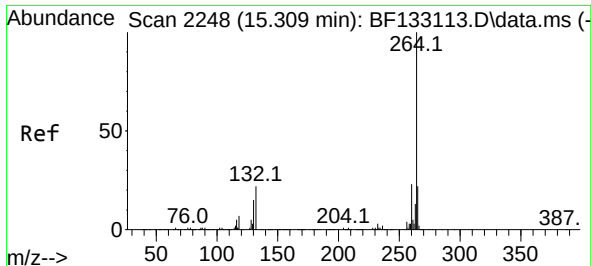
Reviewed By :Christian Giraldo 05/10/2023
Supervised By :Jagrut Upadhyay 05/10/2023



#83
Chrysene
Concen: 8.005 ng
RT: 13.898 min Scan# 2008
Delta R.T. -0.012 min
Lab File: BF133319.D
Acq: 09 May 2023 16:07

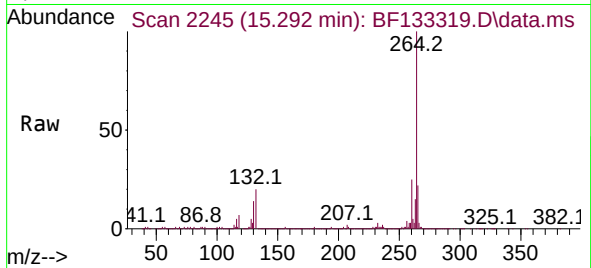
Tgt Ion:228 Resp: 200277
Ion Ratio Lower Upper
228 100
226 29.7 24.7 37.1
229 20.9 16.1 24.1





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.292 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF133319.D
 Acq: 09 May 2023 16:07

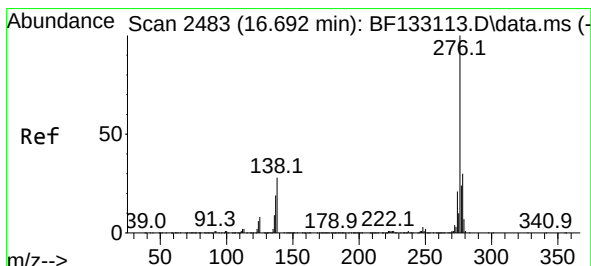
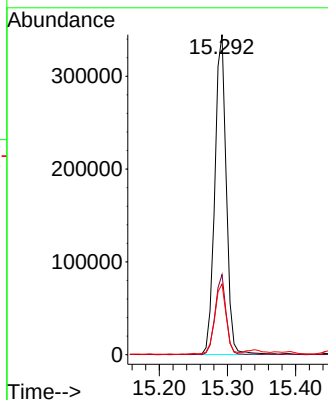
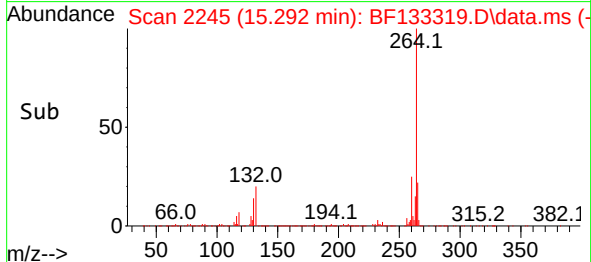
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-207



Tgt Ion:264 Resp: 401994
 Ion Ratio Lower Upper
 264 100
 260 25.0 18.8 28.2
 265 22.1 17.0 25.4

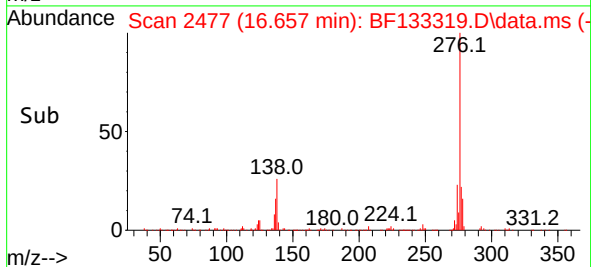
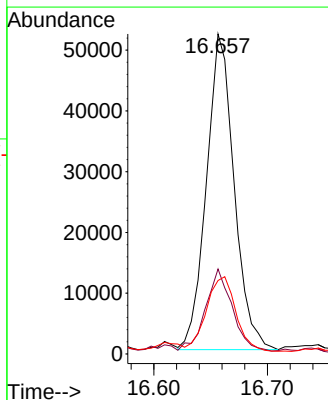
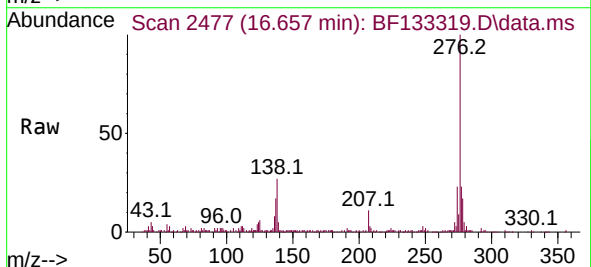
Manual Integrations
 APPROVED

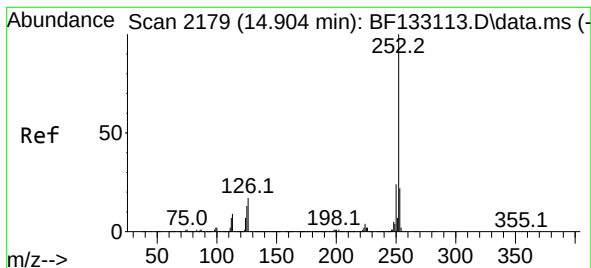
Reviewed By :Christian Giraldo 05/10/2023
 Supervised By :Jagrut Upadhyay 05/10/2023



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 3.857 ng
 RT: 16.657 min Scan# 2477
 Delta R.T. -0.018 min
 Lab File: BF133319.D
 Acq: 09 May 2023 16:07

Tgt Ion:276 Resp: 88198
 Ion Ratio Lower Upper
 276 100
 138 24.9 25.5 38.3#
 277 25.5 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 8.981 ng m

RT: 14.886 min Scan# 2176

Delta R.T. -0.006 min

Lab File: BF133319.D

Acq: 09 May 2023 16:07

Instrument :

BNA_F

ClientSampleId :

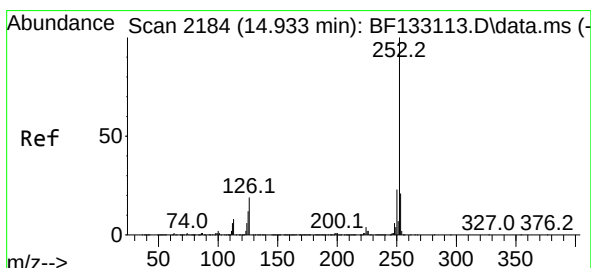
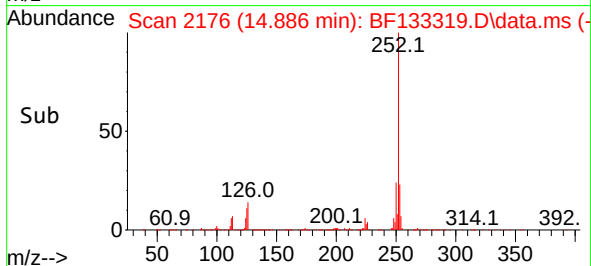
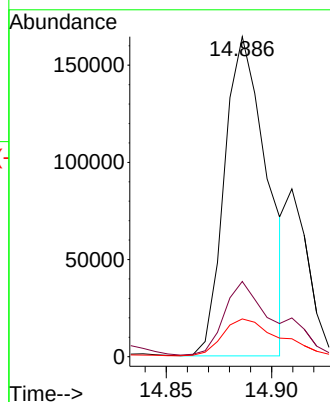
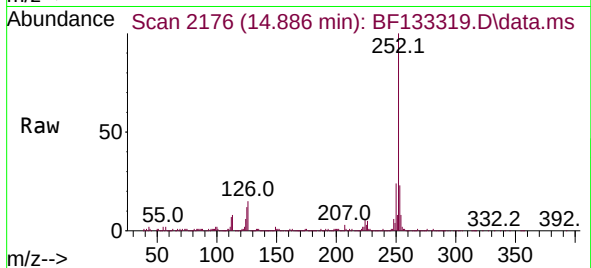
VNJ-207

Tgt Ion:252 Resp: 22969
 Ion Ratio Lower Upper
 252 100
 253 23.5 17.6 26.4
 125 11.8 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/10/2023
 Supervised By :Jagrut Upadhyay 05/10/2023



#89

Benzo(k)fluoranthene

Concen: 2.515 ng m

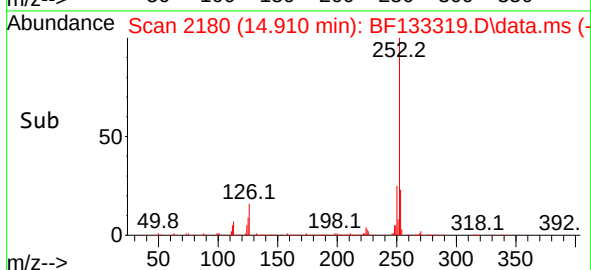
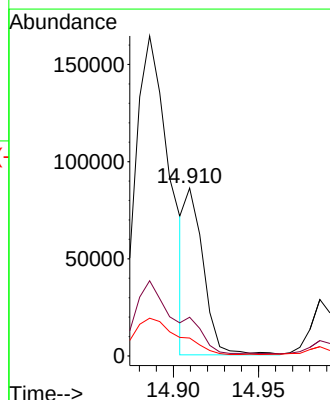
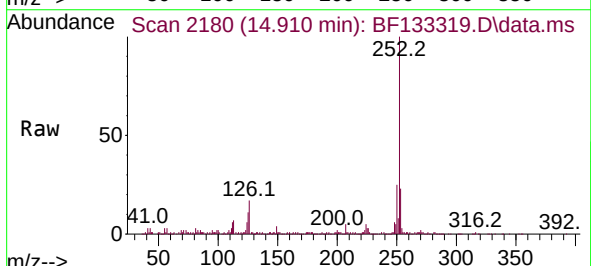
RT: 14.910 min Scan# 2180

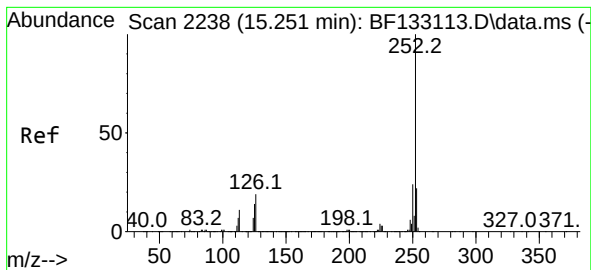
Delta R.T. -0.012 min

Lab File: BF133319.D

Acq: 09 May 2023 16:07

Tgt Ion:252 Resp: 63769
 Ion Ratio Lower Upper
 252 100
 253 23.1 17.7 26.5
 125 10.7 9.0 13.4





#90

Benzo(a)pyrene

Concen: 6.579 ng

RT: 15.227 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF133319.D

Acq: 09 May 2023 16:07

Instrument :

BNA_F

ClientSampleId :

VNJ-207

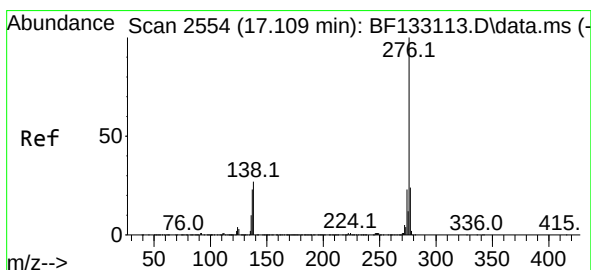
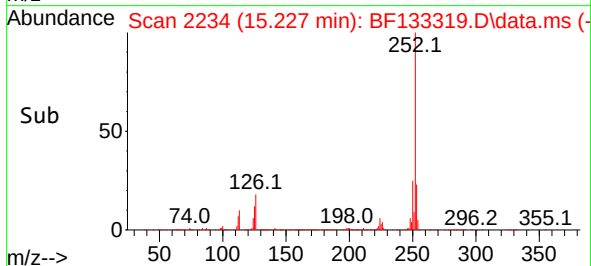
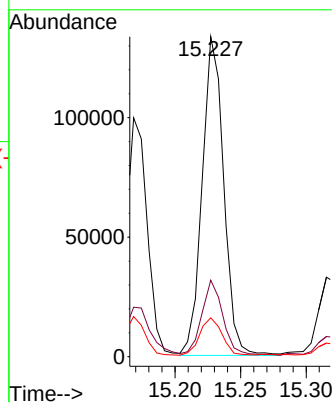
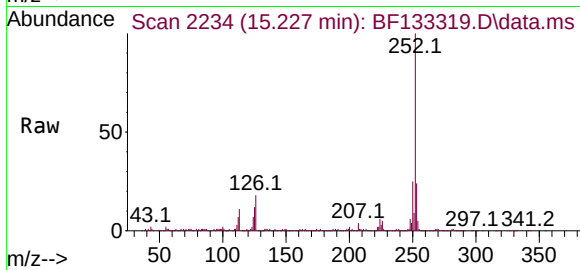
Tgt Ion:	252	Resp:	15315
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.7	26.5
125	12.2	10.5	15.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/10/2023

Supervised By :Jagrut Upadhyay 05/10/2023



#92

Benzo(g,h,i)perylene

Concen: 4.428 ng m

RT: 17.074 min Scan# 2548

Delta R.T. -0.012 min

Lab File: BF133319.D

Acq: 09 May 2023 16:07

Tgt Ion:	276	Resp:	83369
Ion Ratio	Lower	Upper	
276	100		
277	23.4	19.4	29.0
138	20.4	22.7	34.1#

