

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022625\
 Data File : BF141789.D
 Acq On : 26 Feb 2025 18:25
 Operator : RC/JU
 Sample : Q1427-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-227

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 02/27/2025
 Supervised By :Jagrut Upadhyay 02/27/2025

Quant Time: Feb 27 00:49:46 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	74639	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	294127	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	158081	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	260149	20.000	ng	-0.02
76) Chrysene-d12	13.939	240	182322	20.000	ng	-0.02
86) Perylene-d12	15.386	264	185841	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	367231	77.134	ng	0.00
7) Phenol-d6	6.422	99	454260	75.491	ng	-0.02
23) Nitrobenzene-d5	7.345	82	259369	45.995	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	110562	69.624	ng	-0.02
45) 2-Fluorobiphenyl	9.134	172	408967	39.858	ng	-0.02
79) Terphenyl-d14	12.880	244	383044	35.467	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	11.322	178	62820	4.387	ng	98
75) Fluoranthene	12.516	202	97146	6.399	ng	98
78) Pyrene	12.739	202	81150	5.229	ng	98
81) Benzo(a)anthracene	13.927	228	39991	3.300	ng	96
83) Chrysene	13.963	228	35426	3.166	ng	97
88) Benzo(b)fluoranthene	14.969	252	38258m	3.066	ng	
89) Benzo(k)fluoranthene	14.980	252	22203m	2.084	ng	
90) Benzo(a)pyrene	15.327	252	30587	3.029	ng	# 91

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

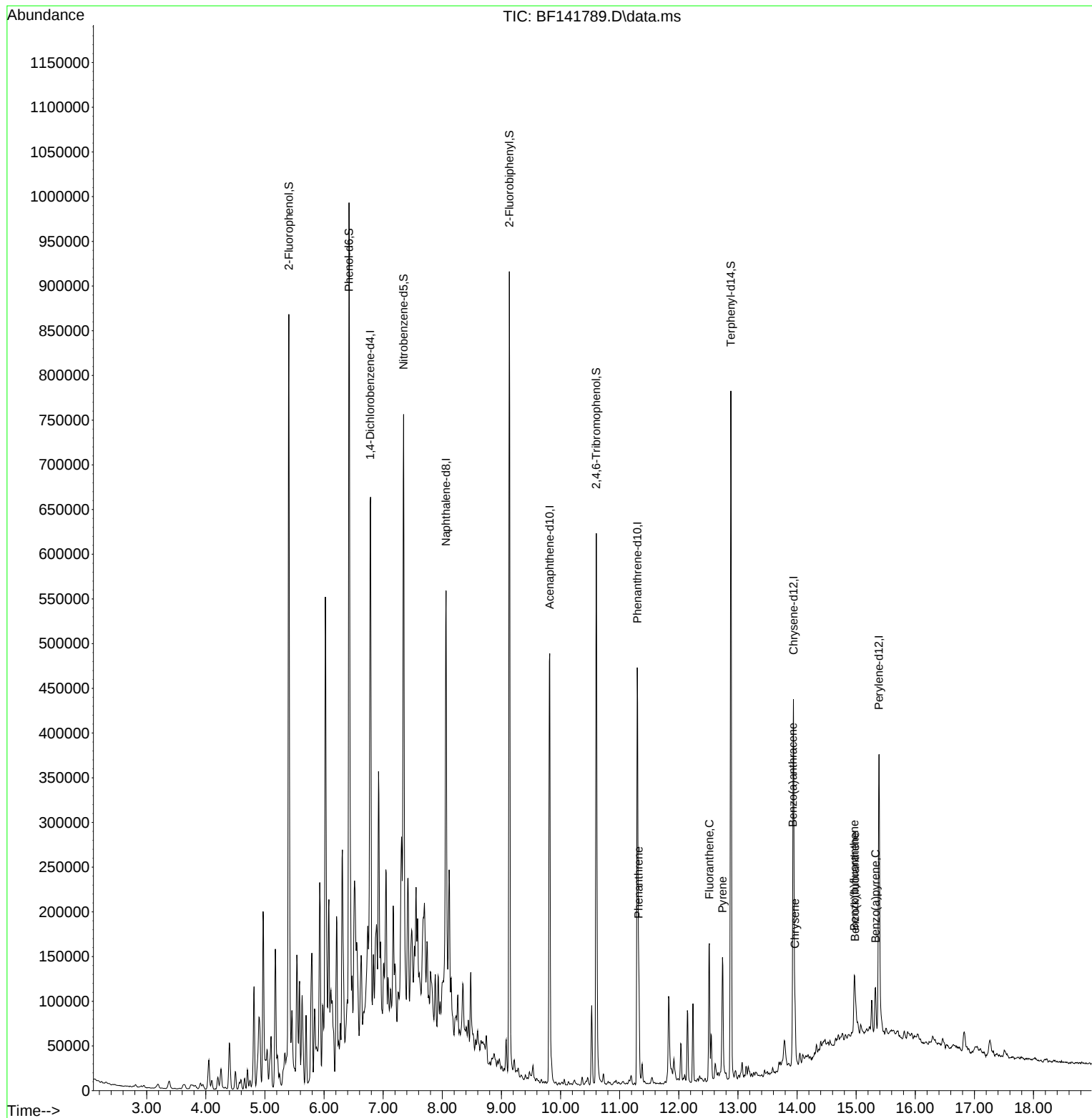
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022625\
Data File : BF141789.D
Acq On : 26 Feb 2025 18:25
Operator : RC/JU
Sample : Q1427-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

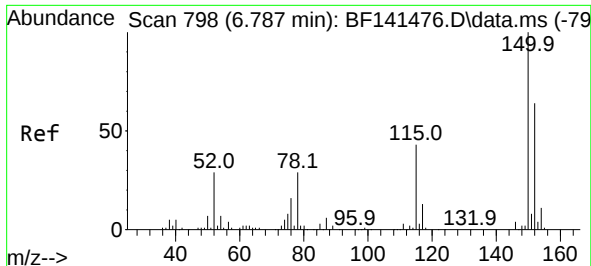
Instrument :
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ClientSampleId :
VNJ-227

Quant Time: Feb 27 00:49:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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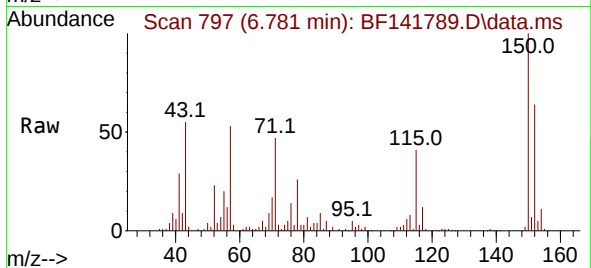
Reviewed By :Anahy Claudio 02/27/2025
Supervised By :Jagrut Upadhyay 02/27/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF141789.D
Acq: 26 Feb 2025 18:25

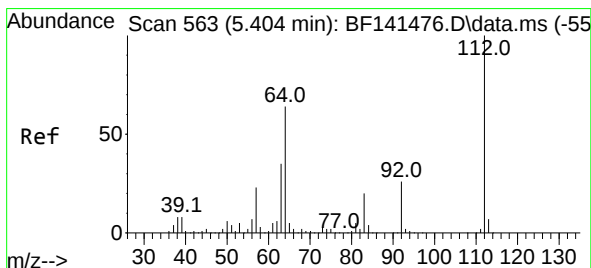
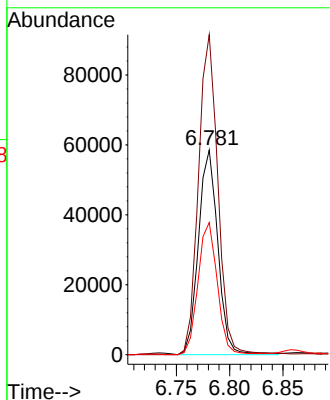
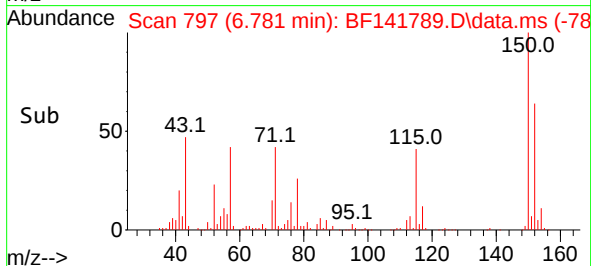
Instrument :
BNA_F
ClientSampleId :
VNJ-227



Tgt Ion:152 Resp: 74639
Ion Ratio Lower Upper
152 100
150 156.3 125.0 187.4
115 64.6 53.6 80.4

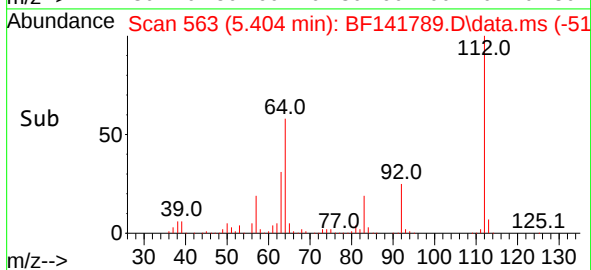
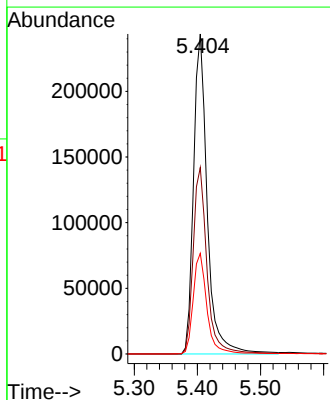
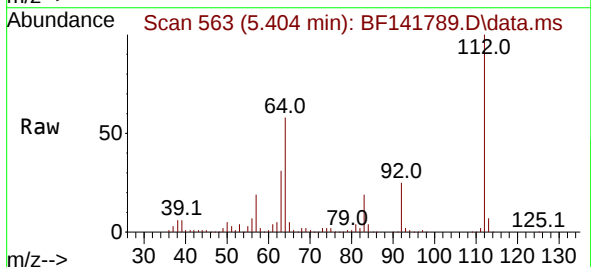
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#5
2-Fluorophenol
Concen: 77.134 ng
RT: 5.404 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF141789.D
Acq: 26 Feb 2025 18:25

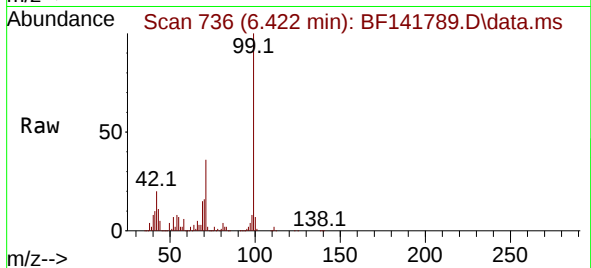
Tgt Ion:112 Resp: 367231
Ion Ratio Lower Upper
112 100
64 58.3 51.1 76.7
63 31.5 28.4 42.6





#7
Phenol-d6
Concen: 75.491 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF141789.D
Acq: 26 Feb 2025 18:25

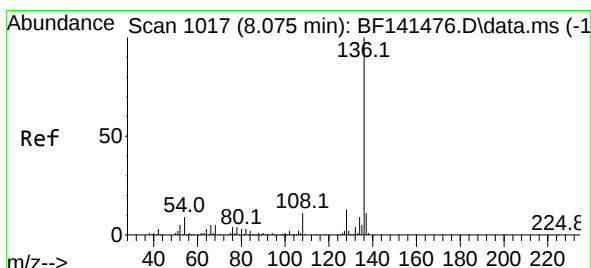
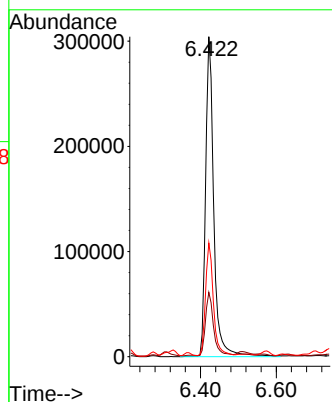
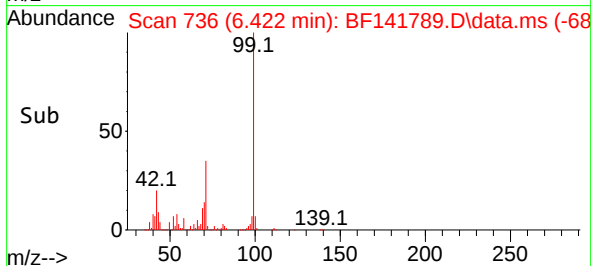
Instrument :
BNA_F
ClientSampleId :
VNJ-227



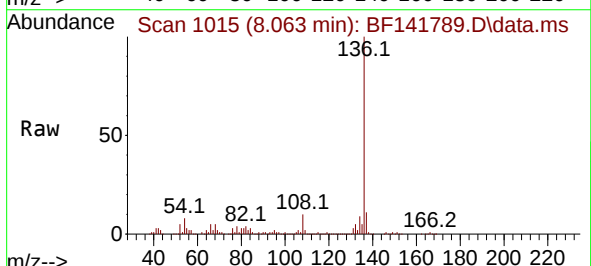
Tgt Ion: 99 Resp: 454260
Ion Ratio Lower Upper
99 100
42 20.1 19.1 28.7
71 35.6 31.1 46.7

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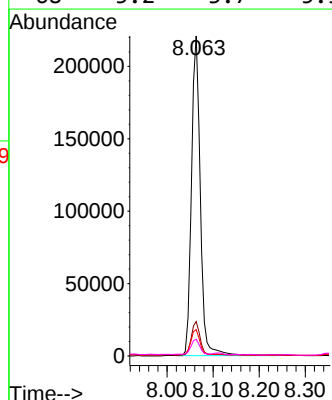
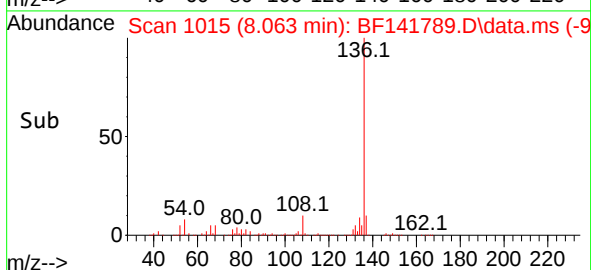
Reviewed By :Anahy Claudio 02/27/2025
Supervised By :Jagrut Upadhyay 02/27/2025

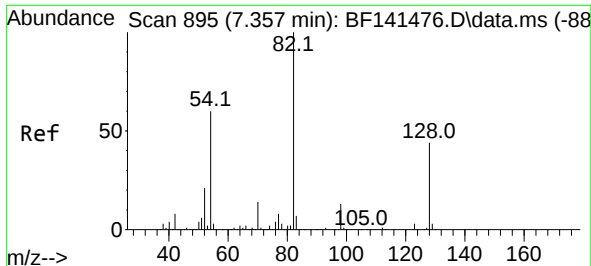


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141789.D
Acq: 26 Feb 2025 18:25



Tgt Ion:136 Resp: 294127
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.3 7.2 10.8
68 5.2 3.7 5.5





#23

Nitrobenzene-d5

Concen: 45.995 ng

RT: 7.345 min Scan# 895

Delta R.T. -0.017 min

Lab File: BF141789.D

Acq: 26 Feb 2025 18:25

Instrument :

BNA_F

ClientSampleId :

VNJ-227

Tgt Ion: 82 Resp: 25936

Ion Ratio Lower Upper

82 100

128 45.8 34.8 52.2

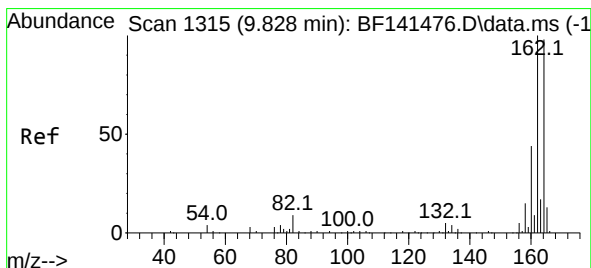
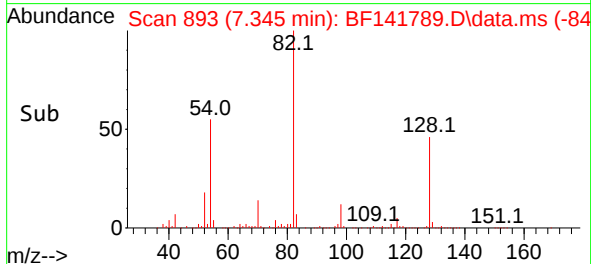
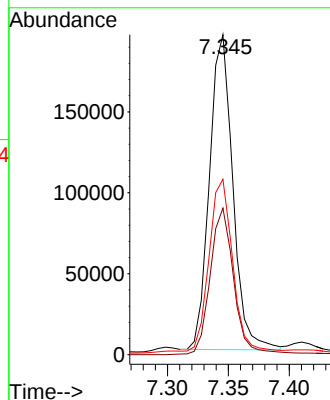
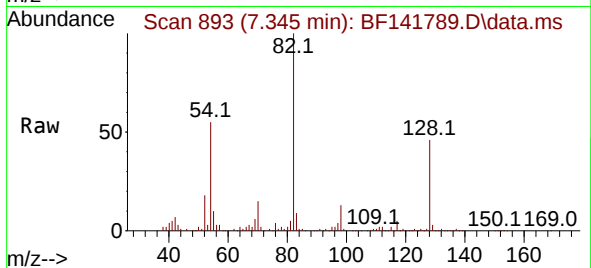
54 54.8 48.2 72.4

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.816 min Scan# 1313

Delta R.T. -0.017 min

Lab File: BF141789.D

Acq: 26 Feb 2025 18:25

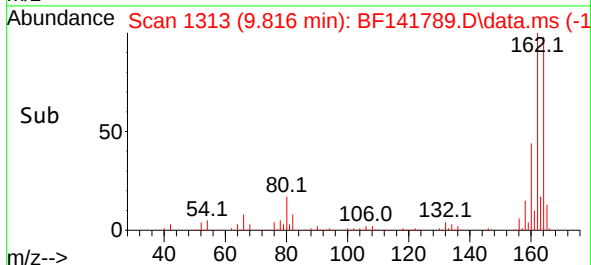
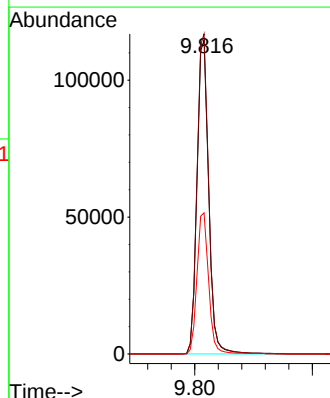
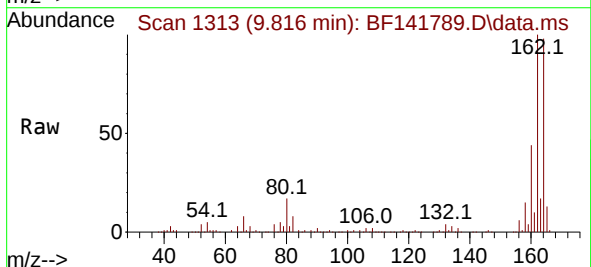
Tgt Ion:164 Resp: 158081

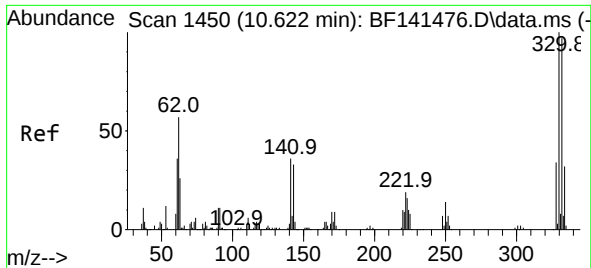
Ion Ratio Lower Upper

164 100

162 102.0 81.3 121.9

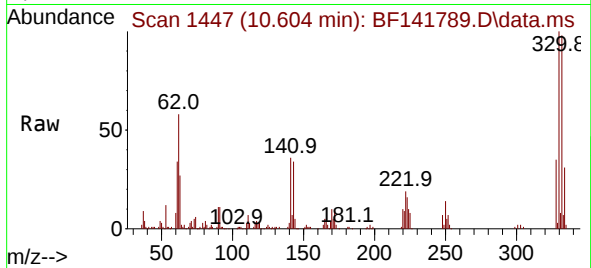
160 45.0 35.9 53.9





#42
2,4,6-Tribromophenol
Concen: 69.624 ng
RT: 10.604 min Scan# 1450
Delta R.T. -0.023 min
Lab File: BF141789.D
Acq: 26 Feb 2025 18:25

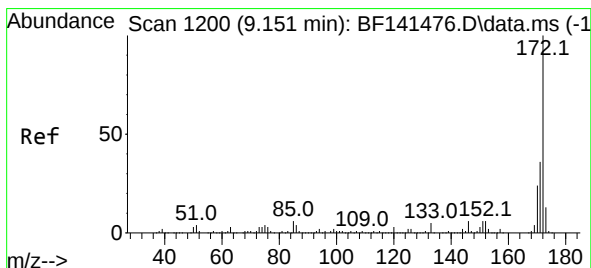
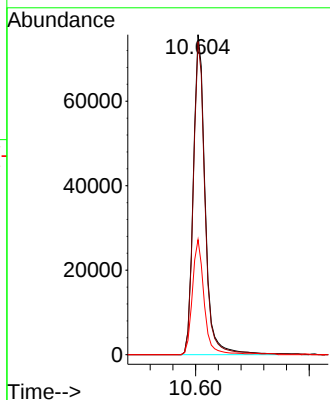
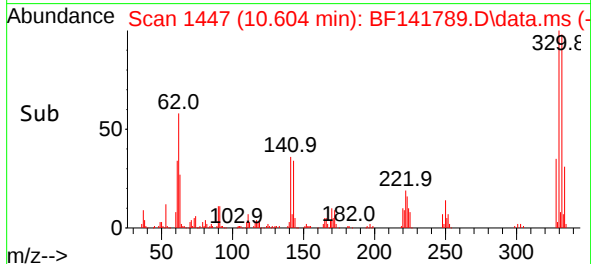
Instrument :
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VNJ-227



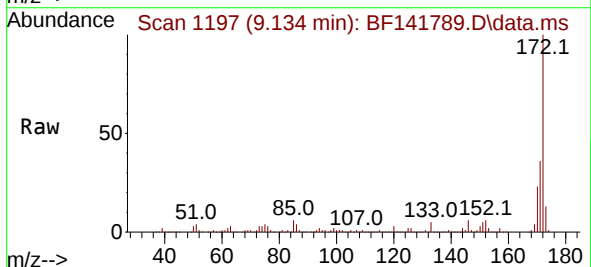
Tgt Ion: 330 Resp: 110562
Ion Ratio Lower Upper
330 100
332 96.7 78.5 117.7
141 35.5 31.0 46.4

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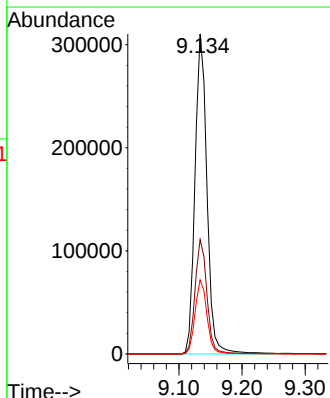
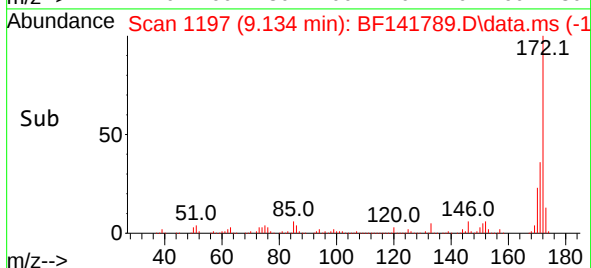
Reviewed By :Anahy Claudio 02/27/2025
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#45
2-Fluorobiphenyl
Concen: 39.858 ng
RT: 9.134 min Scan# 1197
Delta R.T. -0.017 min
Lab File: BF141789.D
Acq: 26 Feb 2025 18:25



Tgt Ion: 172 Resp: 408967
Ion Ratio Lower Upper
172 100
171 35.7 28.7 43.1
170 23.1 18.9 28.3





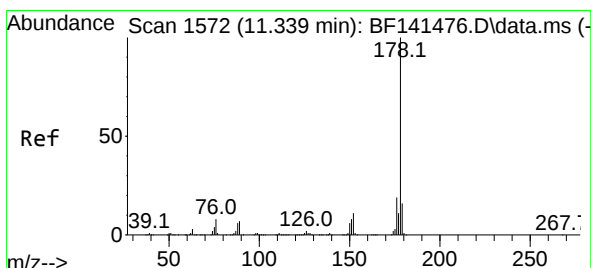
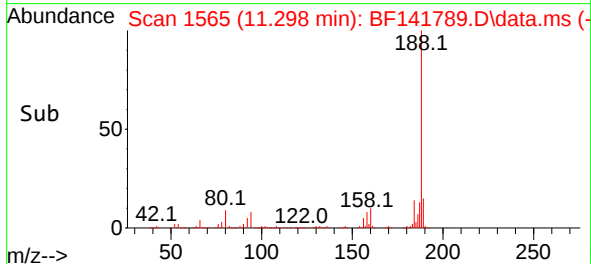
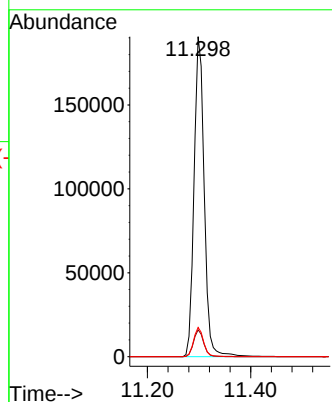
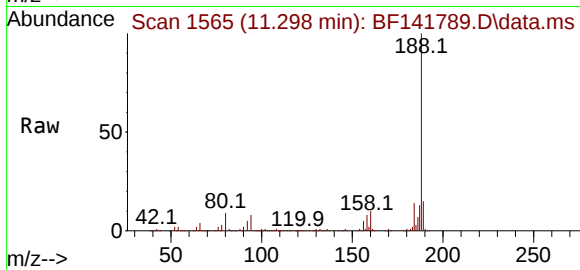
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1568
Delta R.T. -0.017 min
Lab File: BF141789.D
Acq: 26 Feb 2025 18:25

Instrument :
BNA_F
ClientSampleId :
VNJ-227

Tgt Ion:188 Resp: 260149
Ion Ratio Lower Upper
188 100
94 8.4 6.6 10.0
80 9.1 7.3 10.9

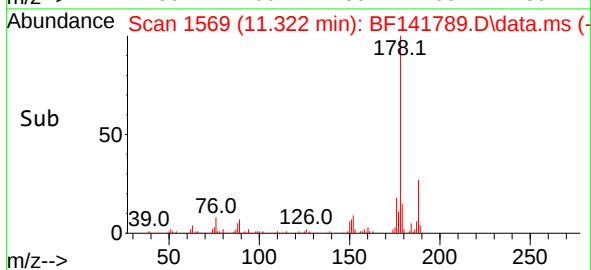
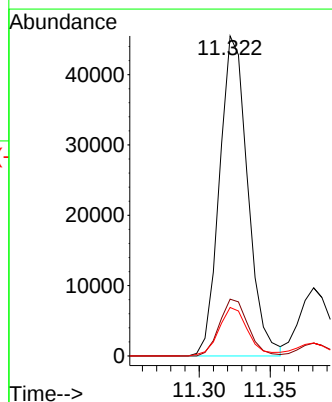
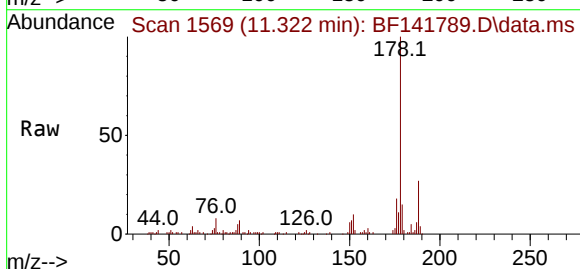
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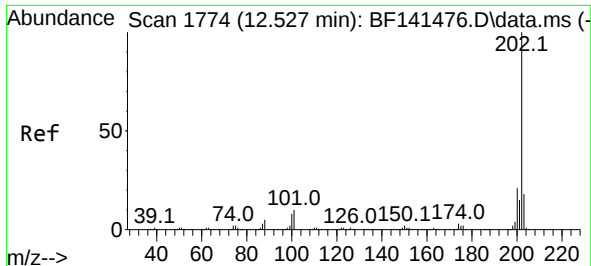
Reviewed By :Anahy Claudio 02/27/2025
Supervised By :Jagrut Upadhyay 02/27/2025



#71
Phenanthrene
Concen: 4.387 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.023 min
Lab File: BF141789.D
Acq: 26 Feb 2025 18:25

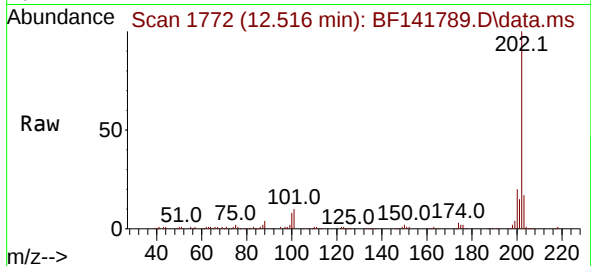
Tgt Ion:178 Resp: 62820
Ion Ratio Lower Upper
178 100
176 17.8 15.4 23.0
179 15.1 12.4 18.6





#75
Fluoranthene
Concen: 6.399 ng
RT: 12.516 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF141789.D
Acq: 26 Feb 2025 18:25

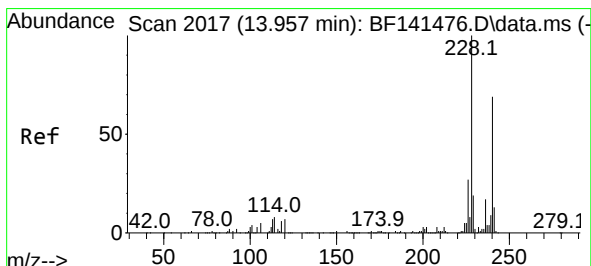
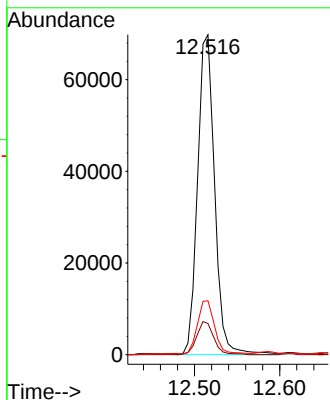
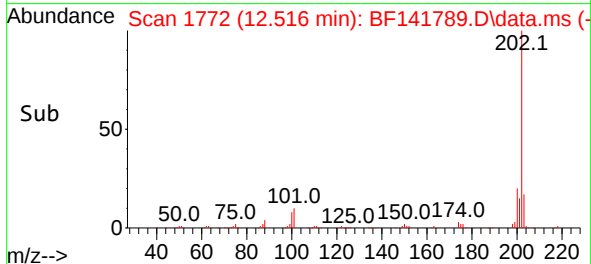
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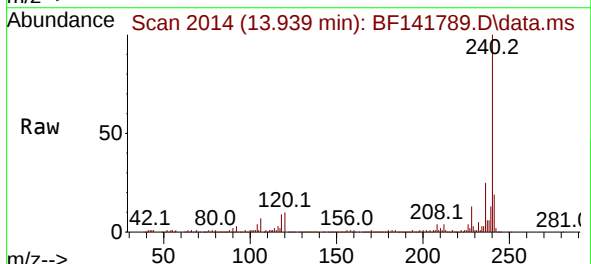
Tgt Ion:202 Resp: 97140
Ion Ratio Lower Upper
202 100
101 9.8 0.0 30.2
203 16.8 0.0 37.6

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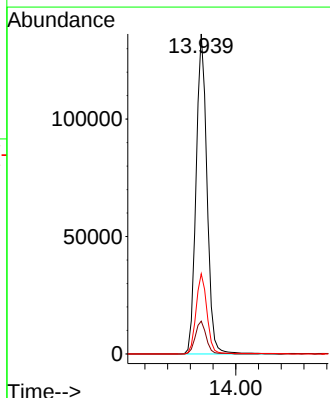
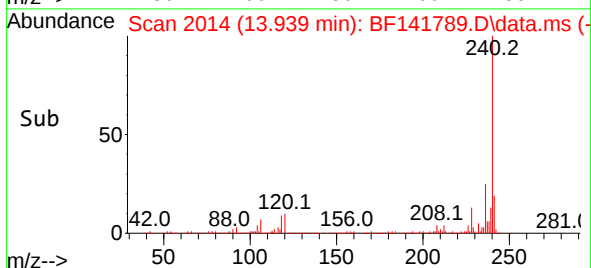
Reviewed By :Anahy Claudio 02/27/2025
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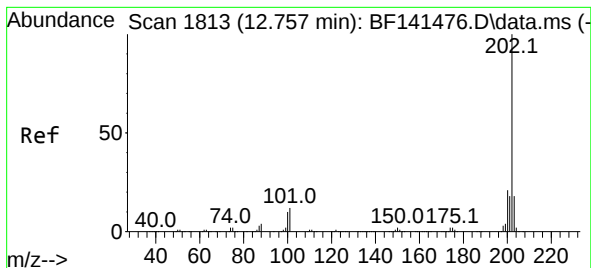


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.939 min Scan# 2014
Delta R.T. -0.023 min
Lab File: BF141789.D
Acq: 26 Feb 2025 18:25



Tgt Ion:240 Resp: 182322
Ion Ratio Lower Upper
240 100
120 10.2 8.0 12.0
236 25.0 19.8 29.8





#78

Pyrene

Concen: 5.229 ng

RT: 12.739 min Scan# 1810

Delta R.T. -0.023 min

Lab File: BF141789.D

Acq: 26 Feb 2025 18:25

Instrument :

BNA_F

ClientSampleId :

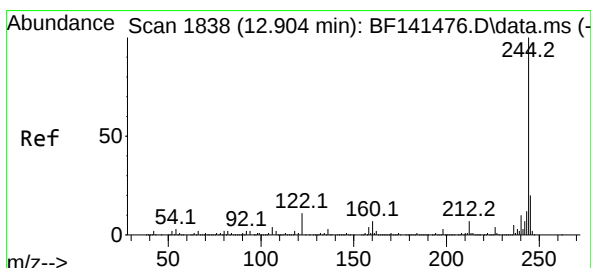
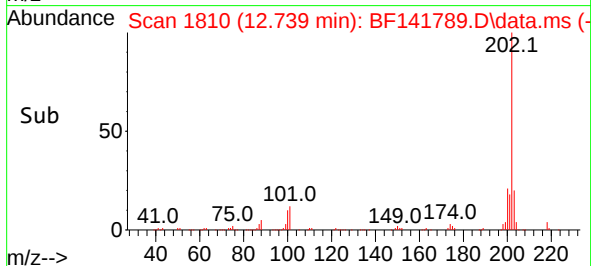
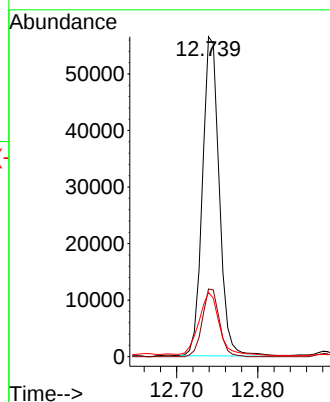
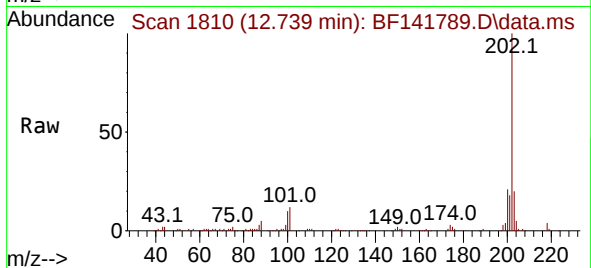
VNJ-227

Tgt Ion:202 Resp: 81150
 Ion Ratio Lower Upper
 202 100
 200 21.2 17.0 25.4
 203 20.1 14.3 21.5

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#79

Terphenyl-d14

Concen: 35.467 ng

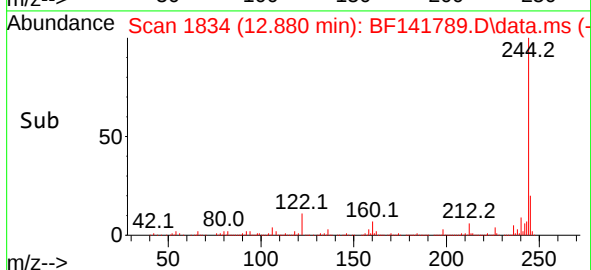
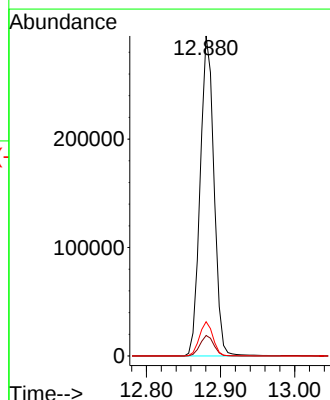
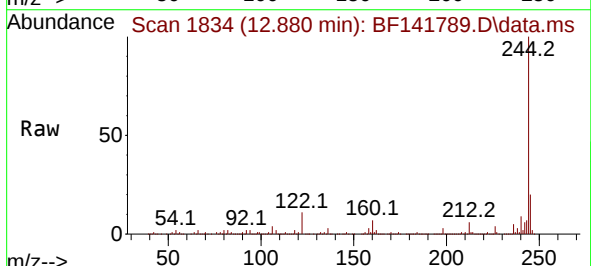
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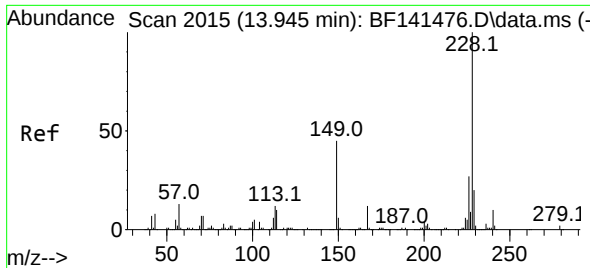
Delta R.T. -0.023 min

Lab File: BF141789.D

Acq: 26 Feb 2025 18:25

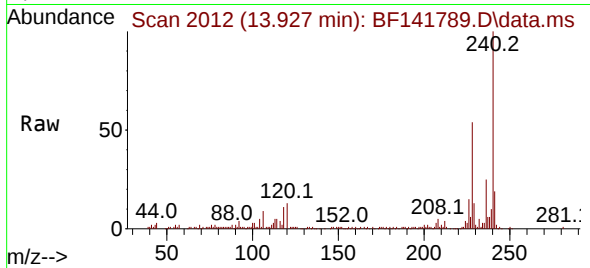
Tgt Ion:244 Resp: 383044
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.6 8.4
 122 10.7 8.4 12.6





#81
Benzo(a)anthracene
Concen: 3.300 ng
RT: 13.927 min Scan# 2018
Delta R.T. -0.023 min
Lab File: BF141789.D
Acq: 26 Feb 2025 18:25

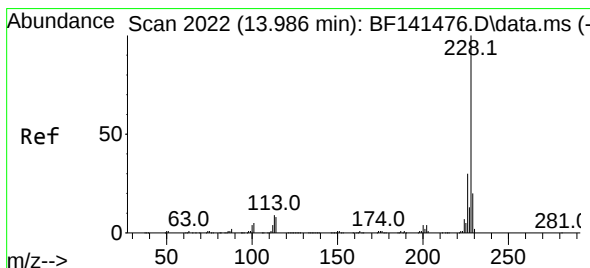
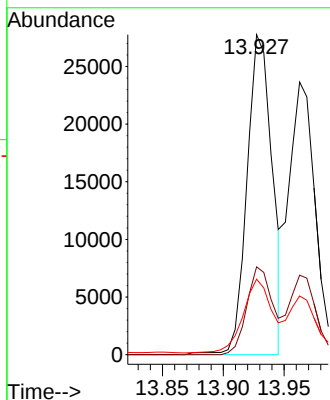
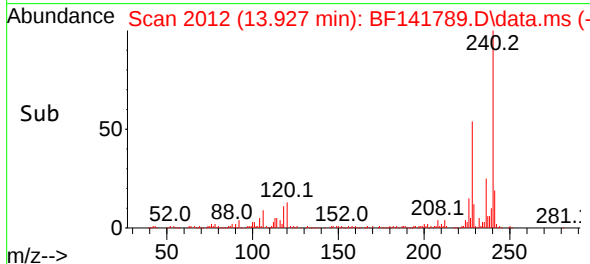
Instrument :
BNA_F
ClientSampleId :
VNJ-227



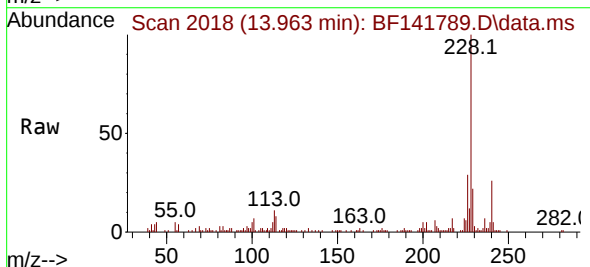
Tgt Ion:228 Resp: 3999
Ion Ratio Lower Upper
228 100
226 27.4 21.8 32.8
229 23.6 15.8 23.6

Manual Integrations
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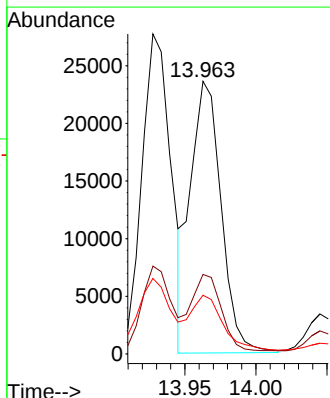
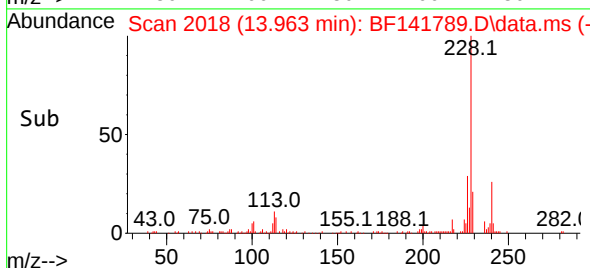
Reviewed By :Anahy Claudio 02/27/2025
Supervised By :Jagrut Upadhyay 02/27/2025

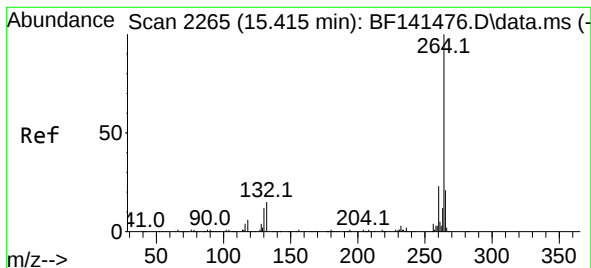


#83
Chrysene
Concen: 3.166 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.029 min
Lab File: BF141789.D
Acq: 26 Feb 2025 18:25



Tgt Ion:228 Resp: 35426
Ion Ratio Lower Upper
228 100
226 29.2 24.0 36.0
229 21.5 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.386 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF141789.D

Acq: 26 Feb 2025 18:25

Instrument :

BNA_F

ClientSampleId :

VNJ-227

Tgt Ion:264 Resp: 18584

Ion Ratio Lower Upper

264 100

260 22.5 18.6 28.0

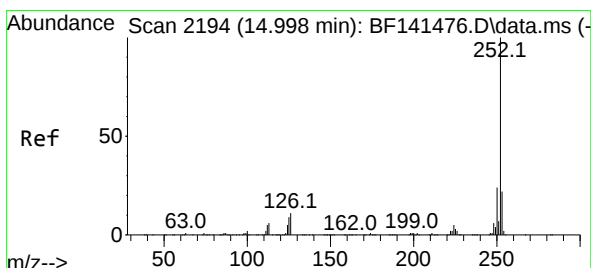
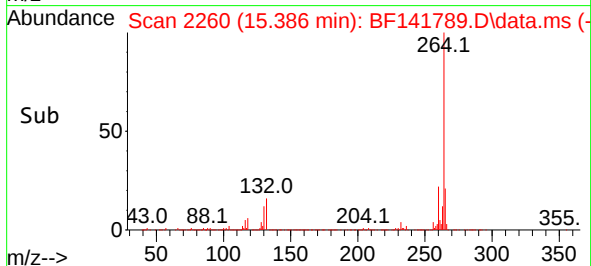
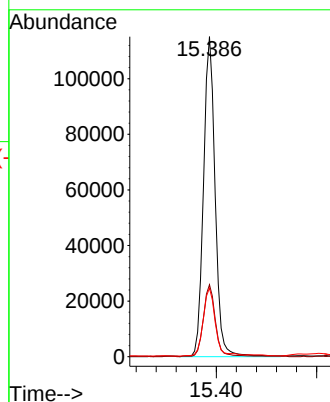
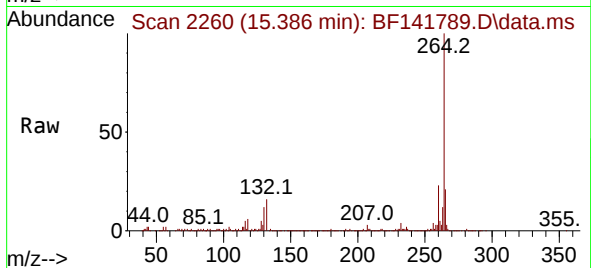
265 21.5 17.0 25.4

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 02/27/2025

Supervised By :Jagrut Upadhyay 02/27/2025



#88

Benzo(b)fluoranthene

Concen: 3.066 ng m

RT: 14.969 min Scan# 2189

Delta R.T. -0.035 min

Lab File: BF141789.D

Acq: 26 Feb 2025 18:25

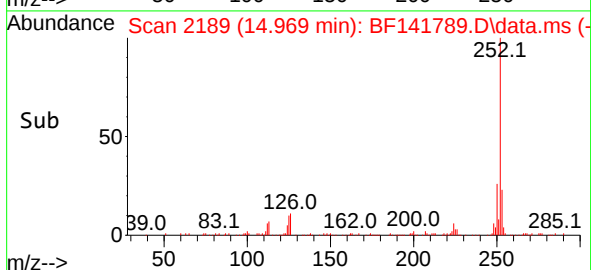
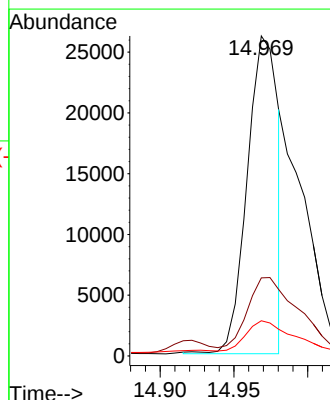
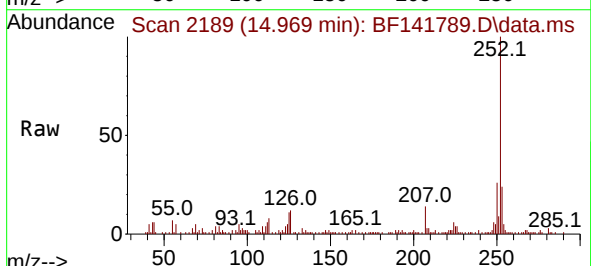
Tgt Ion:252 Resp: 38258

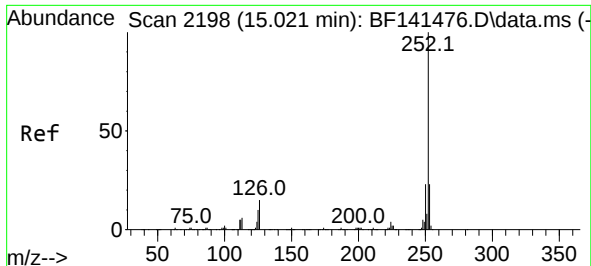
Ion Ratio Lower Upper

252 100

253 24.4 17.5 26.3

125 11.0 7.0 10.6#





#89

Benzo(k)fluoranthene

Concen: 2.084 ng m

RT: 14.980 min Scan# 2198

Delta R.T. -0.053 min

Lab File: BF141789.D

Acq: 26 Feb 2025 18:25

Instrument :

BNA_F

ClientSampleId :

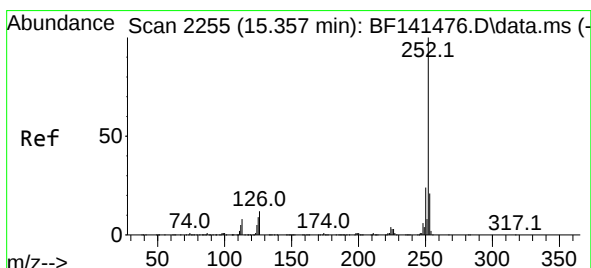
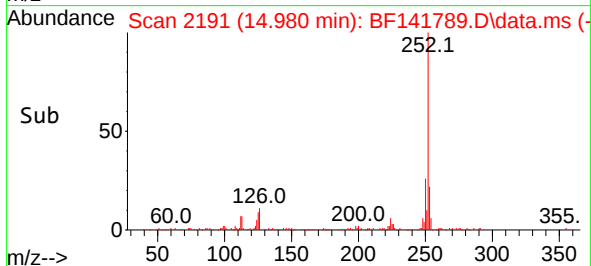
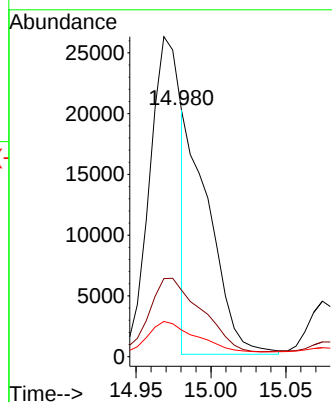
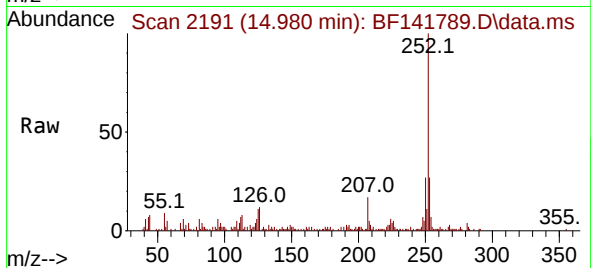
VNJ-227

Tgt Ion:252 Resp: 2220
 Ion Ratio Lower Upper
 252 100
 253 27.0 18.0 27.0
 125 10.8 7.4 11.0

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 02/27/2025
 Supervised By :Jagrut Upadhyay 02/27/2025



#90

Benzo(a)pyrene

Concen: 3.029 ng

RT: 15.327 min Scan# 2250

Delta R.T. -0.035 min

Lab File: BF141789.D

Acq: 26 Feb 2025 18:25

Tgt Ion:252 Resp: 30587
 Ion Ratio Lower Upper
 252 100
 253 25.3 17.1 25.7
 125 12.7 7.4 11.2#

