

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
 Data File : BF141926.D
 Acq On : 11 Mar 2025 20:12
 Operator : RC/JU
 Sample : Q1534-01 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-636-COMP-16

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 03/12/2025
 Supervised By :Jagrut Upadhyay 03/12/2025

Quant Time: Mar 12 01:16:41 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	128327	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	467996	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	239280	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	392988	20.000	ng	0.00
76) Chrysene-d12	14.033	240	351999	20.000	ng	0.00
86) Perylene-d12	15.509	264	250107	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	158189	20.573	ng	0.00
7) Phenol-d6	6.492	99	194100	19.827	ng	-0.01
23) Nitrobenzene-d5	7.434	82	120804	14.527	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	50392	16.600	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	248302	15.782	ng	0.00
79) Terphenyl-d14	12.980	244	262998	11.046	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.421	178	102054	4.808	ng	97
75) Fluoranthene	12.610	202	157641	7.001	ng	99
78) Pyrene	12.839	202	154276	5.067	ng	99
81) Benzo(a)anthracene	14.027	228	65673	2.843	ng	93
83) Chrysene	14.057	228	71206	3.401	ng	97
88) Benzo(b)fluoranthene	15.074	252	58329m	3.403	ng	
90) Benzo(a)pyrene	15.445	252	37469	2.794	ng	# 95

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

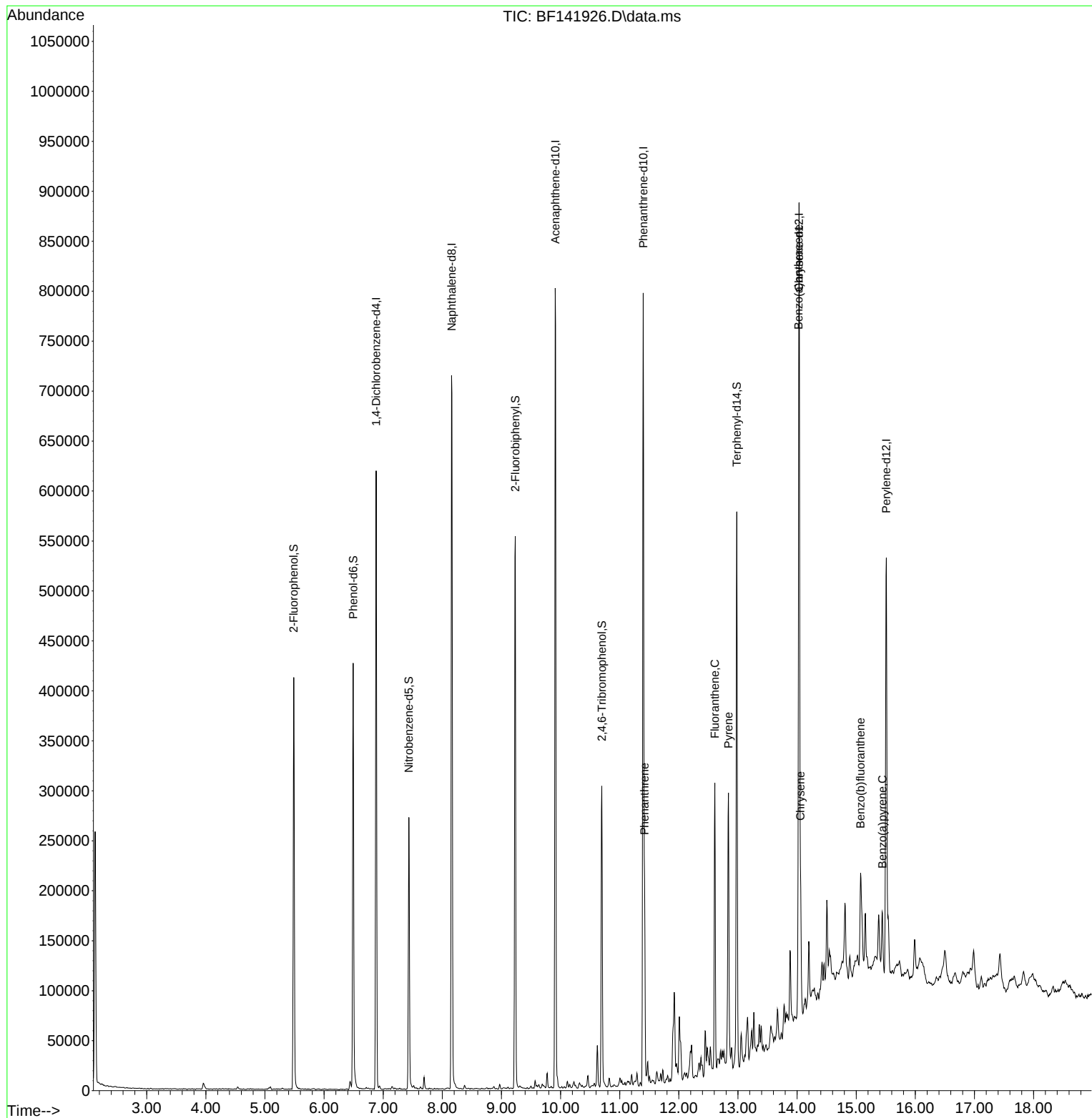
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031125\
Data File : BF141926.D
Acq On : 11 Mar 2025 20:12
Operator : RC/JU
Sample : Q1534-01 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-636-COMP-16

Quant Time: Mar 12 01:16:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

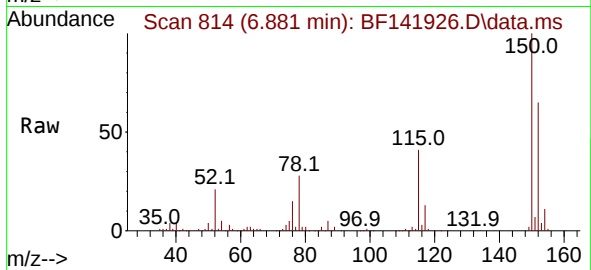
Reviewed By :Anahy Claudio 03/12/2025
Supervised By :Jagrut Upadhyay 03/12/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF141926.D
Acq: 11 Mar 2025 20:12

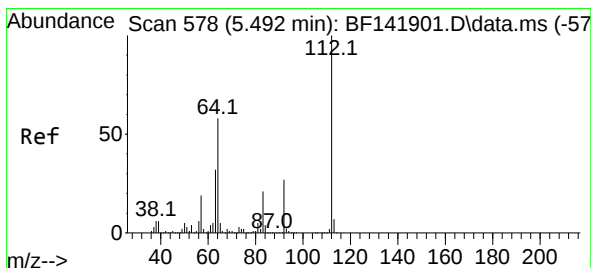
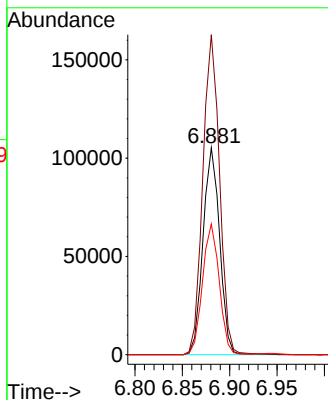
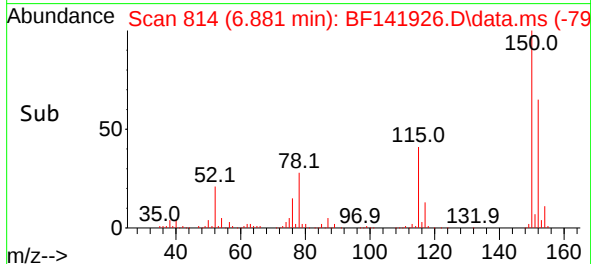
Instrument :
BNA_F
ClientSampleId :
OR-636-COMP-16



Tgt Ion:152 Resp: 12832
Ion Ratio Lower Upper
152 100
150 154.7 127.4 191.2
115 63.2 51.9 77.9

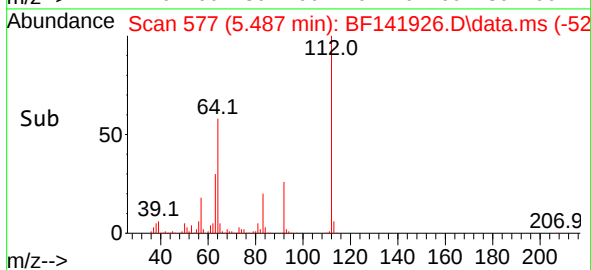
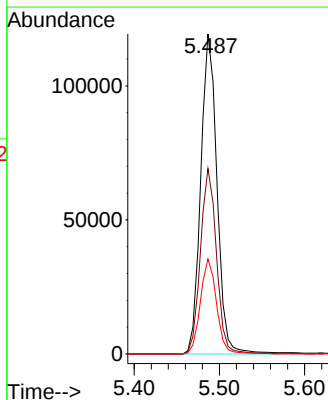
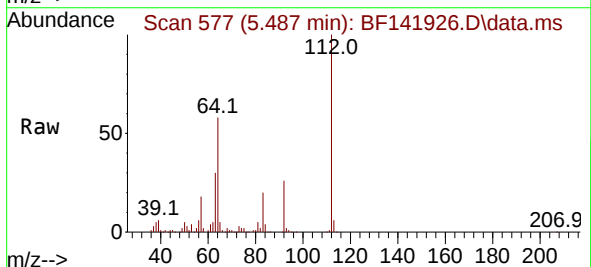
Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 03/12/2025
Supervised By :Jagrut Upadhyay 03/12/2025



#5
2-Fluorophenol
Concen: 20.573 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF141926.D
Acq: 11 Mar 2025 20:12

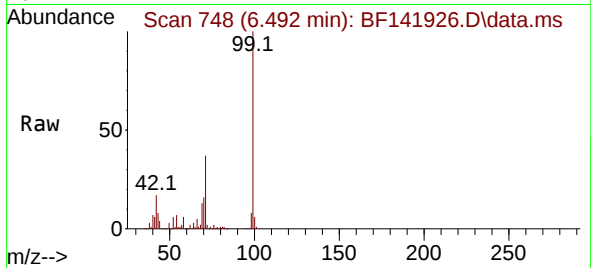
Tgt Ion:112 Resp: 158189
Ion Ratio Lower Upper
112 100
64 57.9 46.5 69.7
63 29.7 25.4 38.2





#7
Phenol-d6
Concen: 19.827 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF141926.D
Acq: 11 Mar 2025 20:12

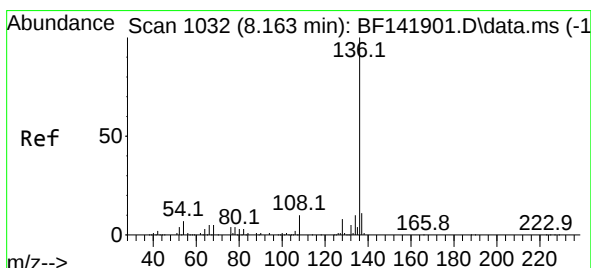
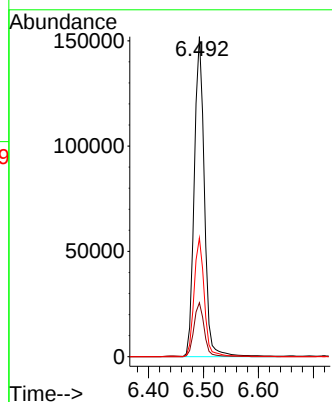
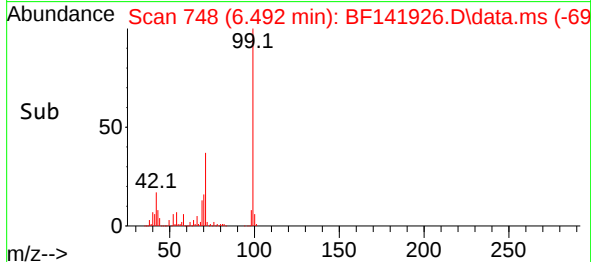
Instrument :
BNA_F
ClientSampleId :
OR-636-COMP-16



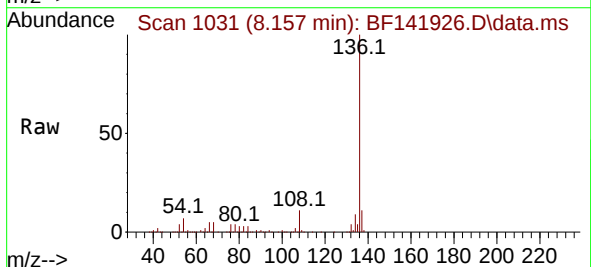
Tgt Ion: 99 Resp: 194100
Ion Ratio Lower Upper
99 100
42 16.9 14.6 21.8
71 37.1 30.8 46.2

Manual Integrations
APPROVED

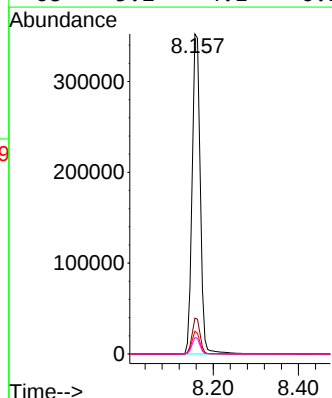
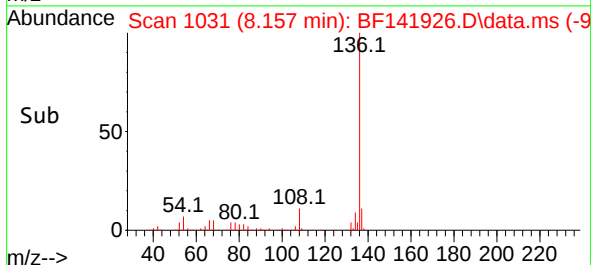
Reviewed By :Anahy Claudio 03/12/2025
Supervised By :Jagrut Upadhyay 03/12/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF141926.D
Acq: 11 Mar 2025 20:12



Tgt Ion:136 Resp: 467996
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 7.1 5.8 8.8
68 5.2 4.1 6.1





#23

Nitrobenzene-d5

Concen: 14.527 ng

RT: 7.434 min Scan# 90

Delta R.T. -0.012 min

Lab File: BF141926.D

Acq: 11 Mar 2025 20:12

Instrument :

BNA_F

ClientSampleId :

OR-636-COMP-16

Tgt Ion: 82 Resp: 120804

Ion Ratio Lower Upper

82 100

128 43.7 36.0 54.0

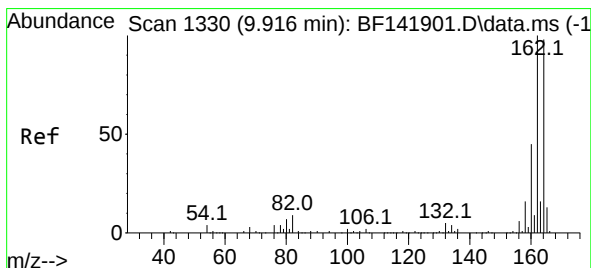
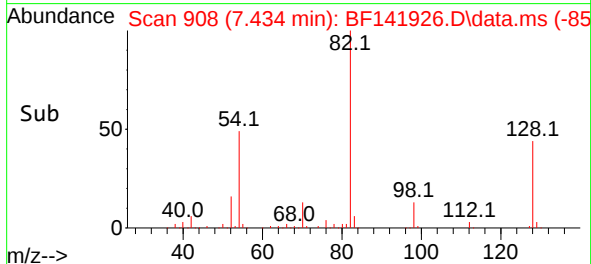
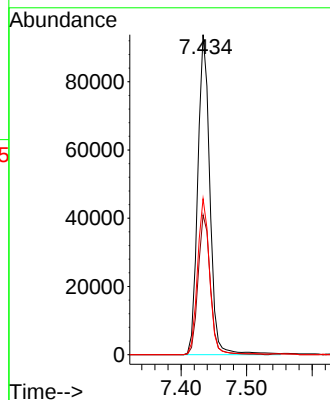
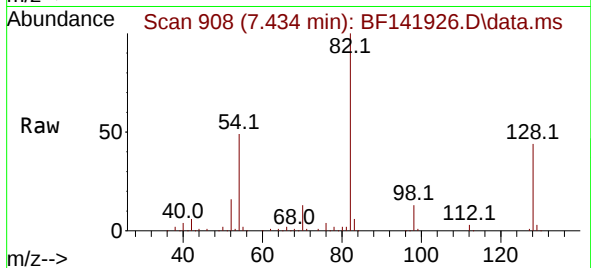
54 48.8 39.6 59.4

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/12/2025

Supervised By :Jagrut Upadhyay 03/12/2025



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1329

Delta R.T. -0.006 min

Lab File: BF141926.D

Acq: 11 Mar 2025 20:12

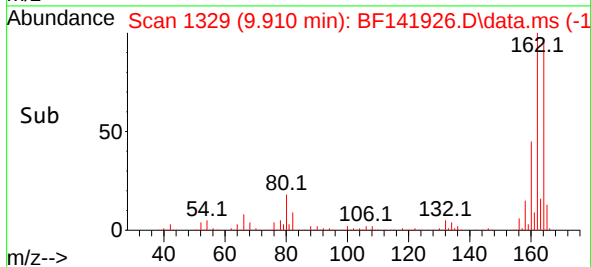
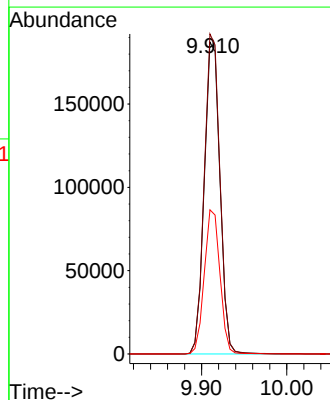
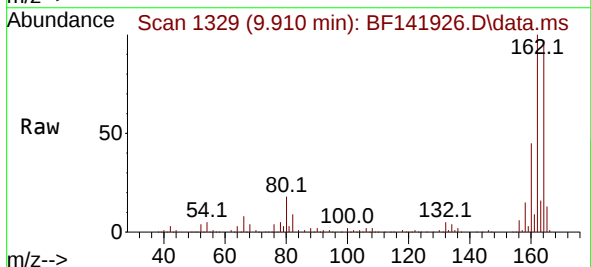
Tgt Ion:164 Resp: 239280

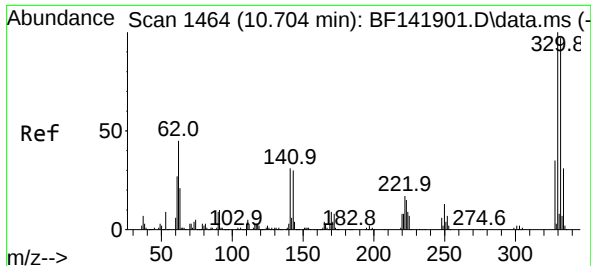
Ion Ratio Lower Upper

164 100

162 102.6 81.8 122.6

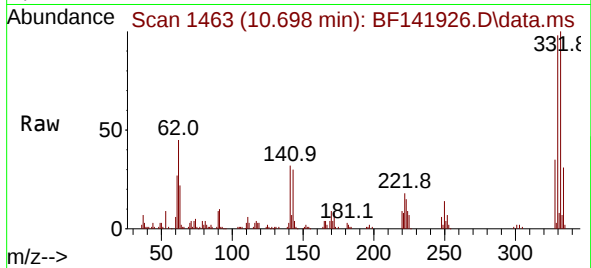
160 46.2 36.7 55.1





#42
2,4,6-Tribromophenol
Concen: 16.600 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF141926.D
Acq: 11 Mar 2025 20:12

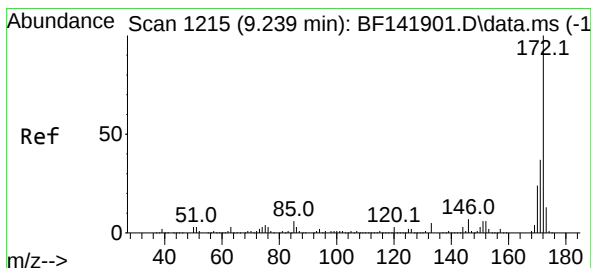
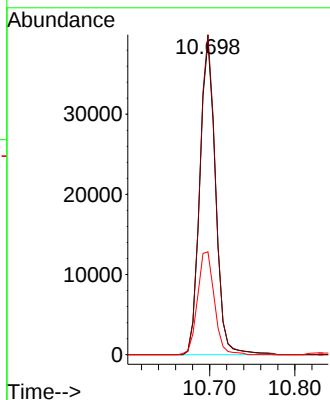
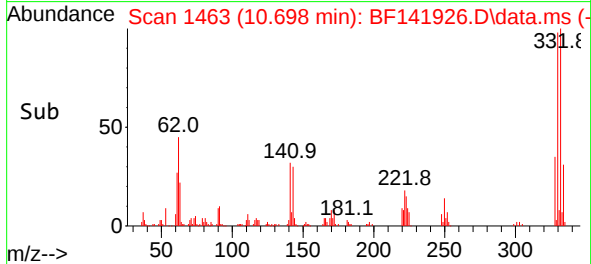
Instrument :
BNA_F
ClientSampleId :
OR-636-COMP-16



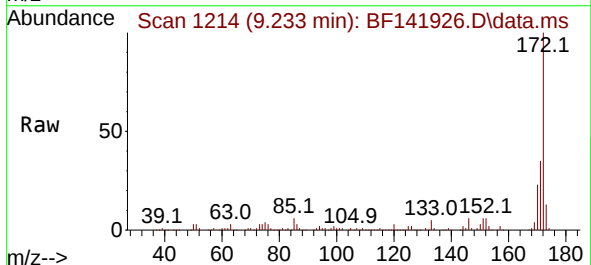
Tgt Ion:330 Resp: 50392
Ion Ratio Lower Upper
330 100
332 101.5 77.6 116.4
141 34.9 24.7 37.1

Manual Integrations
APPROVED

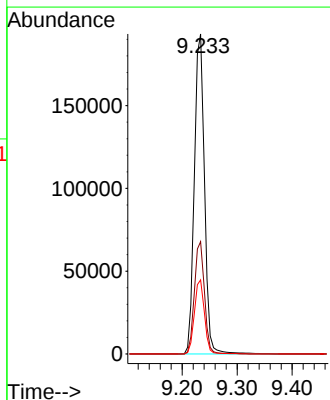
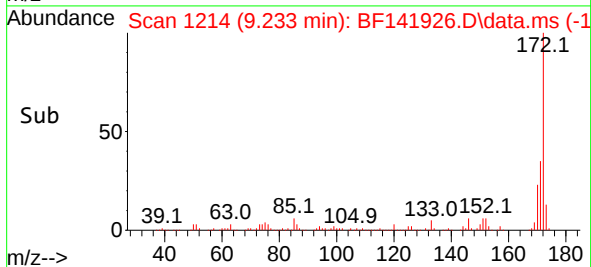
Reviewed By :Anahy Claudio 03/12/2025
Supervised By :Jagrut Upadhyay 03/12/2025

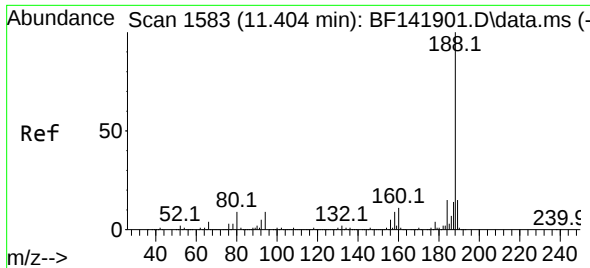


#45
2-Fluorobiphenyl
Concen: 15.782 ng
RT: 9.233 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF141926.D
Acq: 11 Mar 2025 20:12



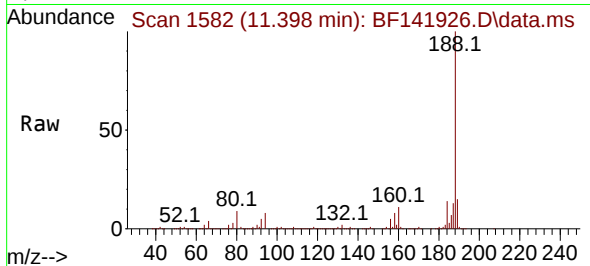
Tgt Ion:172 Resp: 248302
Ion Ratio Lower Upper
172 100
171 35.1 29.3 43.9
170 23.2 19.4 29.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF141926.D
Acq: 11 Mar 2025 20:12

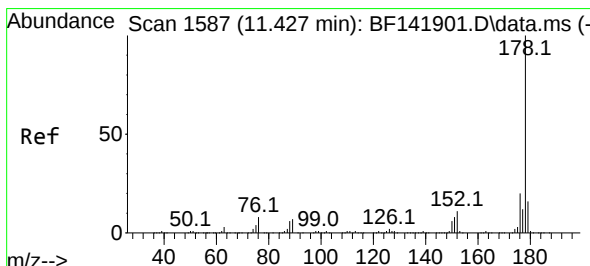
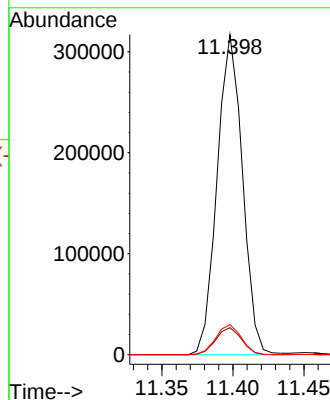
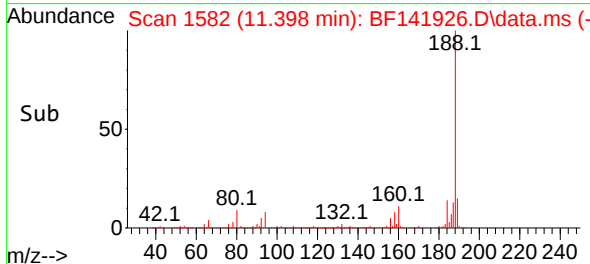
Instrument :
BNA_F
ClientSampleId :
OR-636-COMP-16



Tgt Ion:188 Resp: 392988
Ion Ratio Lower Upper
188 100
94 8.5 6.8 10.2
80 9.4 7.6 11.4

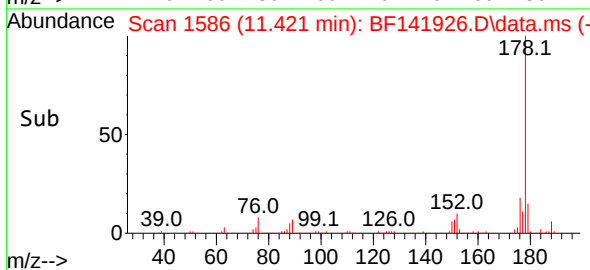
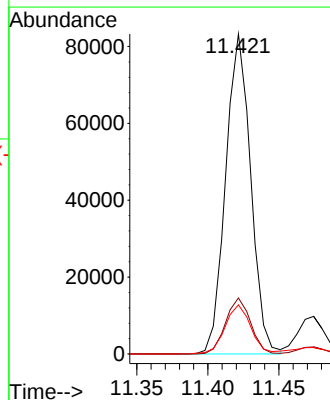
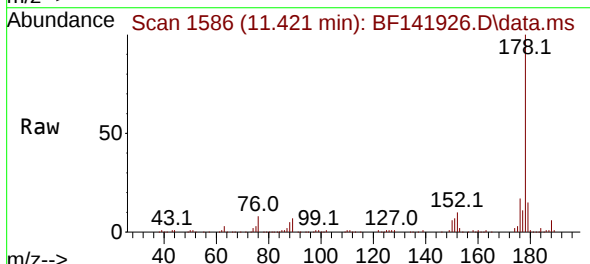
Manual Integrations
APPROVED

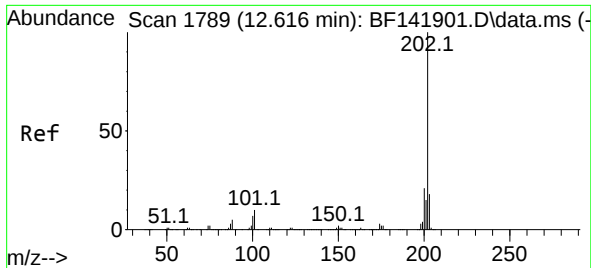
Reviewed By :Anahy Claudio 03/12/2025
Supervised By :Jagrut Upadhyay 03/12/2025



#71
Phenanthrene
Concen: 4.808 ng
RT: 11.421 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF141926.D
Acq: 11 Mar 2025 20:12

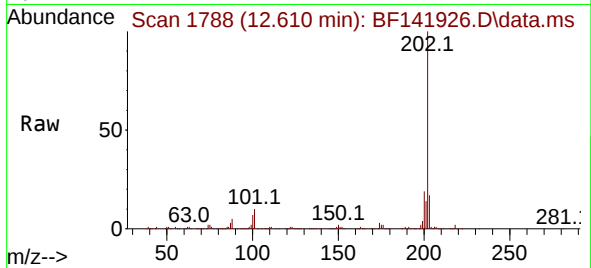
Tgt Ion:178 Resp: 102054
Ion Ratio Lower Upper
178 100
176 17.5 15.8 23.8
179 15.3 12.6 19.0





#75
Fluoranthene
Concen: 7.001 ng
RT: 12.610 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141926.D
Acq: 11 Mar 2025 20:12

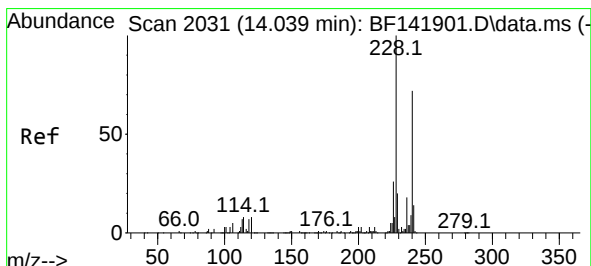
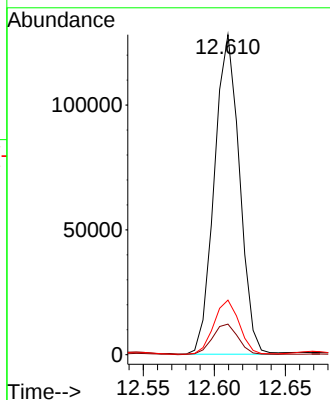
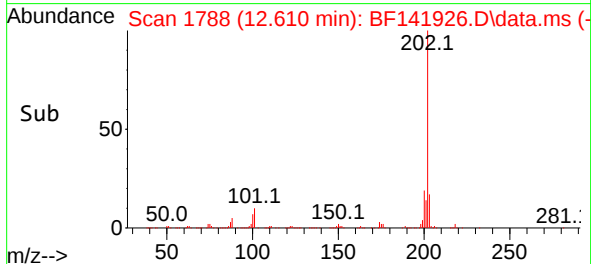
Instrument :
BNA_F
ClientSampleId :
OR-636-COMP-16



Tgt Ion:202 Resp: 15764
Ion Ratio Lower Upper
202 100
101 9.6 0.0 29.7
203 17.1 0.0 37.8

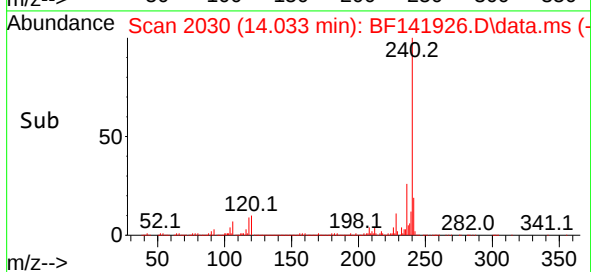
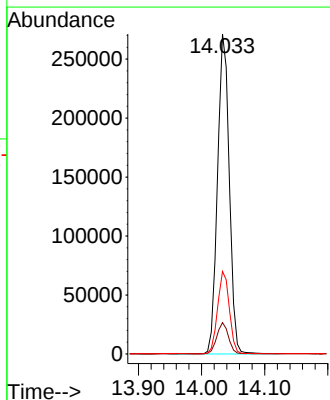
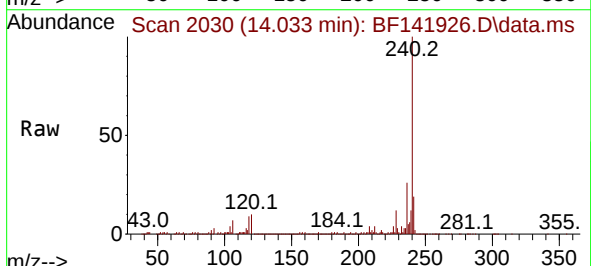
Manual Integrations
APPROVED

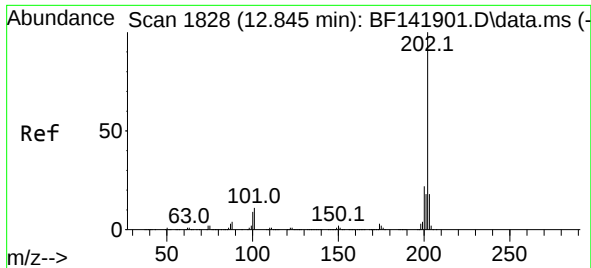
Reviewed By :Anahy Claudio 03/12/2025
Supervised By :Jagrut Upadhyay 03/12/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF141926.D
Acq: 11 Mar 2025 20:12

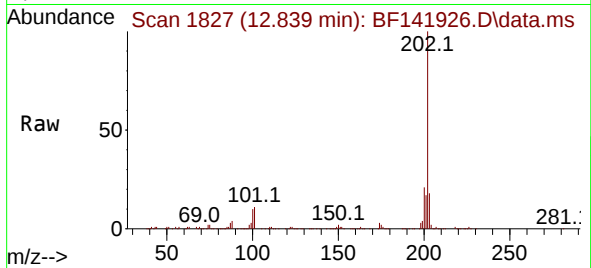
Tgt Ion:240 Resp: 351999
Ion Ratio Lower Upper
240 100
120 9.8 8.4 12.6
236 25.8 20.5 30.7





#78
Pyrene
Concen: 5.067 ng
RT: 12.839 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF141926.D
Acq: 11 Mar 2025 20:12

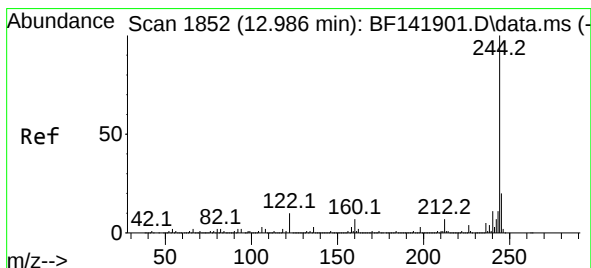
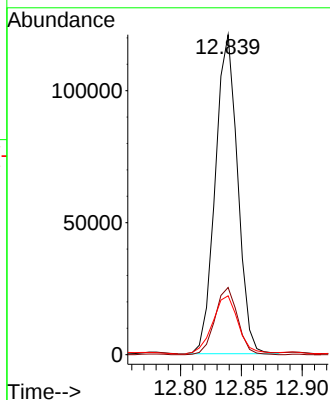
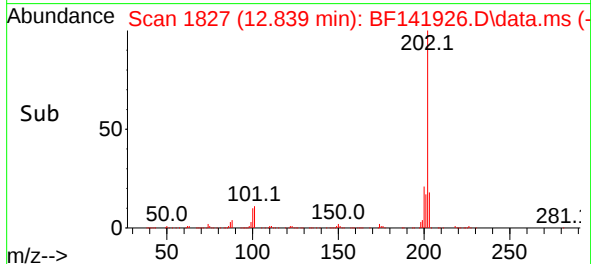
Instrument :
BNA_F
ClientSampleId :
OR-636-COMP-16



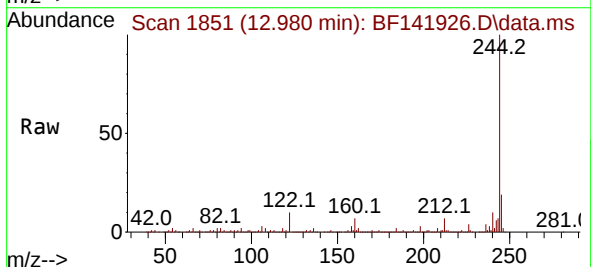
Tgt Ion:202 Resp: 154270
Ion Ratio Lower Upper
202 100
200 21.0 17.3 25.9
203 18.4 14.4 21.6

Manual Integrations
APPROVED

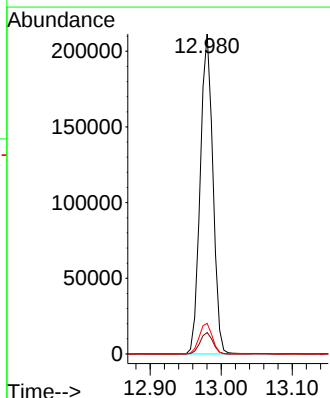
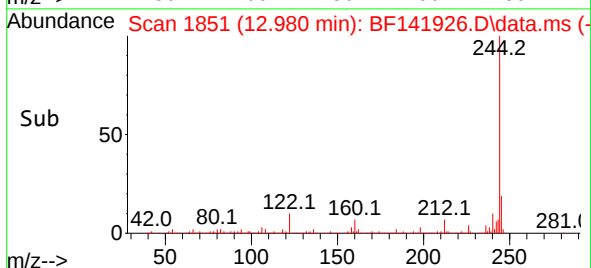
Reviewed By :Anahy Claudio 03/12/2025
Supervised By :Jagrut Upadhyay 03/12/2025

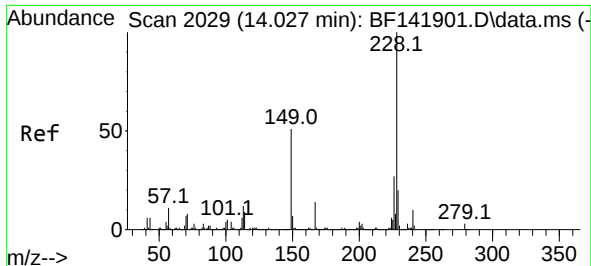


#79
Terphenyl-d14
Concen: 11.046 ng
RT: 12.980 min Scan# 1851
Delta R.T. -0.006 min
Lab File: BF141926.D
Acq: 11 Mar 2025 20:12



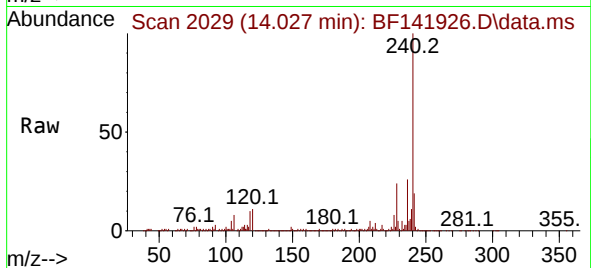
Tgt Ion:244 Resp: 262998
Ion Ratio Lower Upper
244 100
212 6.7 6.0 9.0
122 9.6 7.7 11.5





#81
Benzo(a)anthracene
Concen: 2.843 ng
RT: 14.027 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF141926.D
Acq: 11 Mar 2025 20:12

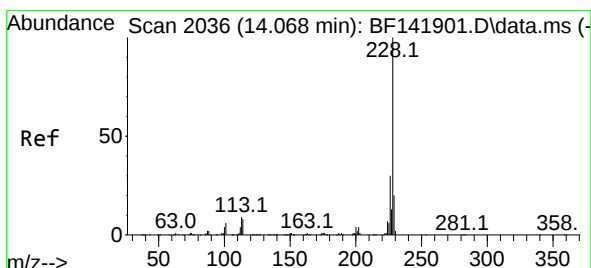
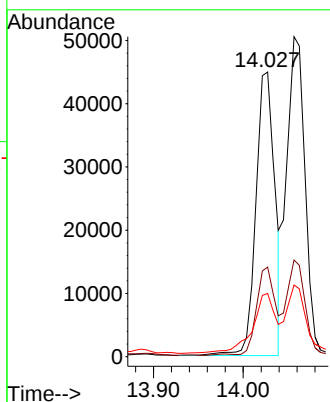
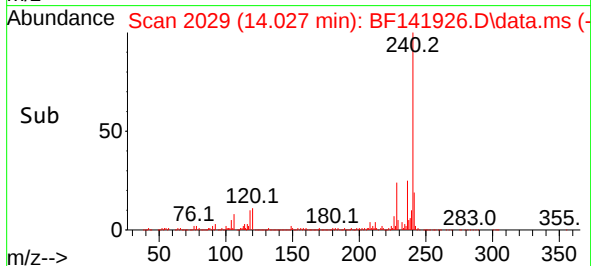
Instrument :
BNA_F
ClientSampleId :
OR-636-COMP-16



Tgt Ion:228 Resp: 6567
Ion Ratio Lower Upper
228 100
226 31.5 21.8 32.8
229 22.2 16.0 24.0

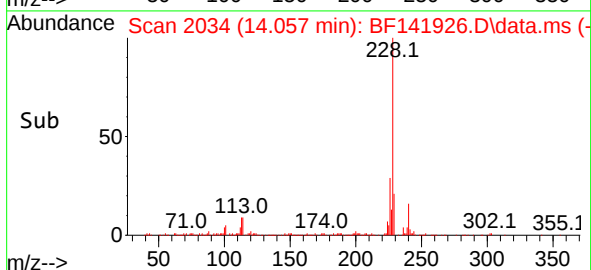
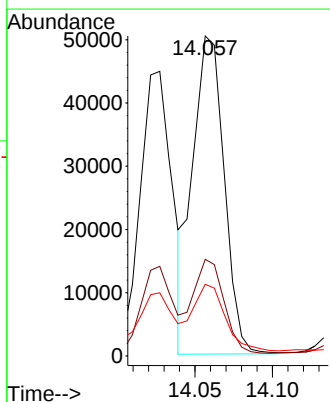
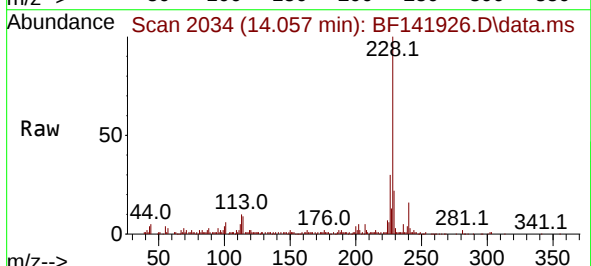
Manual Integrations
APPROVED

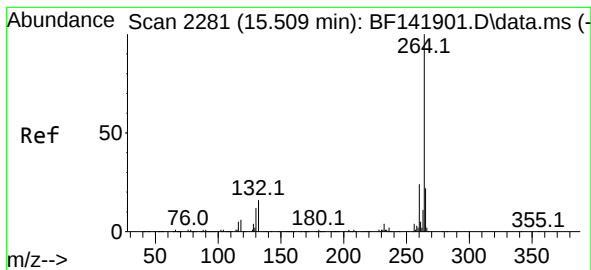
Reviewed By :Anahy Claudio 03/12/2025
Supervised By :Jagrut Upadhyay 03/12/2025



#83
Chrysene
Concen: 3.401 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.012 min
Lab File: BF141926.D
Acq: 11 Mar 2025 20:12

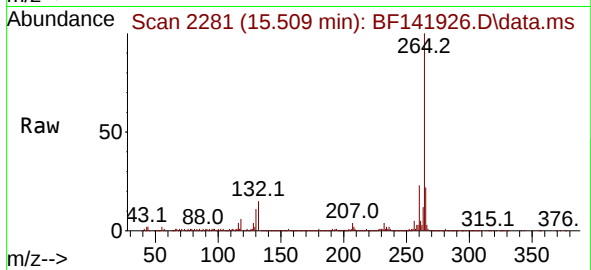
Tgt Ion:228 Resp: 71206
Ion Ratio Lower Upper
228 100
226 30.2 24.1 36.1
229 22.4 15.7 23.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.509 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141926.D
Acq: 11 Mar 2025 20:12

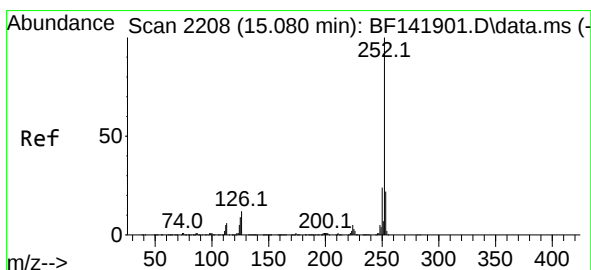
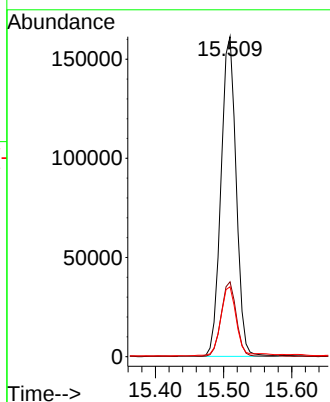
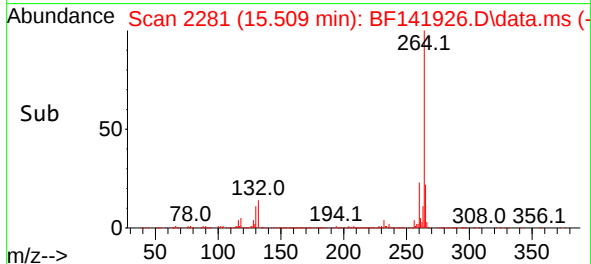
Instrument :
BNA_F
ClientSampleId :
OR-636-COMP-16



Tgt Ion:264 Resp: 25010
Ion Ratio Lower Upper
264 100
260 23.4 19.1 28.7
265 21.8 17.5 26.3

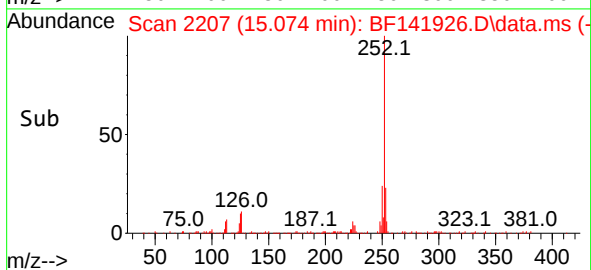
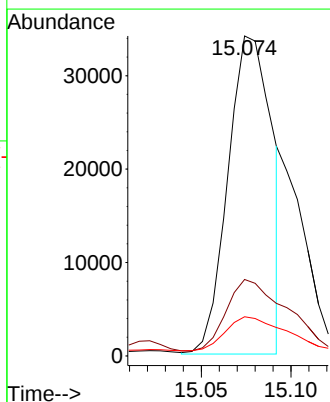
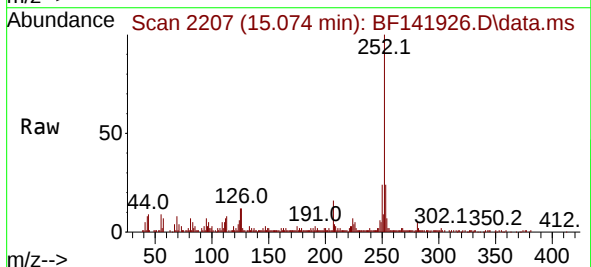
Manual Integrations
APPROVED

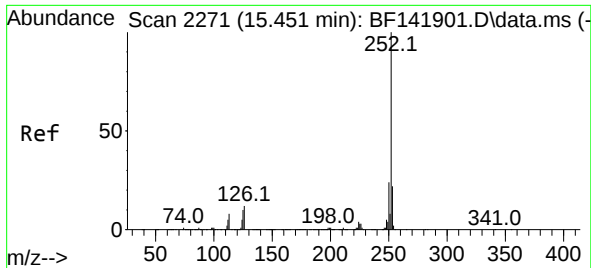
Reviewed By :Anahy Claudio 03/12/2025
Supervised By :Jagrut Upadhyay 03/12/2025



#88
Benzo(b)fluoranthene
Concen: 3.403 ng m
RT: 15.074 min Scan# 2207
Delta R.T. -0.006 min
Lab File: BF141926.D
Acq: 11 Mar 2025 20:12

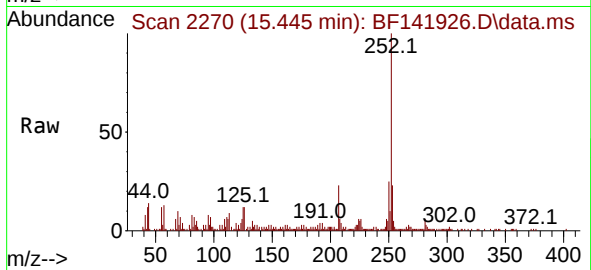
Tgt Ion:252 Resp: 58329
Ion Ratio Lower Upper
252 100
253 23.9 17.5 26.3
125 12.3 7.0 10.4#





#90
Benzo(a)pyrene
Concen: 2.794 ng
RT: 15.445 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF141926.D
Acq: 11 Mar 2025 20:12

Instrument :
BNA_F
ClientSampleId :
OR-636-COMP-16



Tgt Ion:252 Resp: 37469
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.0
125 12.4 7.8 11.8

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 03/12/2025
Supervised By :Jagrut Upadhyay 03/12/2025

