

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
 Data File : BF144272.D
 Acq On : 17 Nov 2025 17:28
 Operator : RC/JU
 Sample : Q3649-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUPE-0.0-0.5-20251114

Quant Time: Nov 17 17:50:03 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 05 18:37:33 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 11/18/2025
 Supervised By :Sohil Jodhani 11/18/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	54942	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	197870	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	98301	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	159918	20.000	ng	0.00
76) Chrysene-d12	14.045	240	126617	20.000	ng	0.00
86) Perylene-d12	15.527	264	116785	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	229673	65.416	ng	0.00
7) Phenol-d6	6.498	99	252538	63.481	ng	0.00
23) Nitrobenzene-d5	7.428	82	154937	45.224	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	71557	58.008	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	321411	48.291	ng	0.00
79) Terphenyl-d14	12.986	244	306084	38.398	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.422	178	48193	6.053	ng	99
75) Fluoranthene	12.616	202	84892	10.321	ng	98
78) Pyrene	12.845	202	75242	7.370	ng	99
81) Benzo(a)anthracene	14.033	228	41490	4.728	ng	95
83) Chrysene	14.068	228	41260	5.093	ng	95
84) Bis(2-ethylhexyl)phtha...	14.015	149	13645	2.817	ng	100
88) Benzo(b)fluoranthene	15.092	252	45766m	6.893	ng	
89) Benzo(k)fluoranthene	15.110	252	16564m	2.665	ng	
90) Benzo(a)pyrene	15.462	252	26697	4.359	ng	# 91
92) Benzo(g,h,i)perylene	17.480	276	15681	2.359	ng	96

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

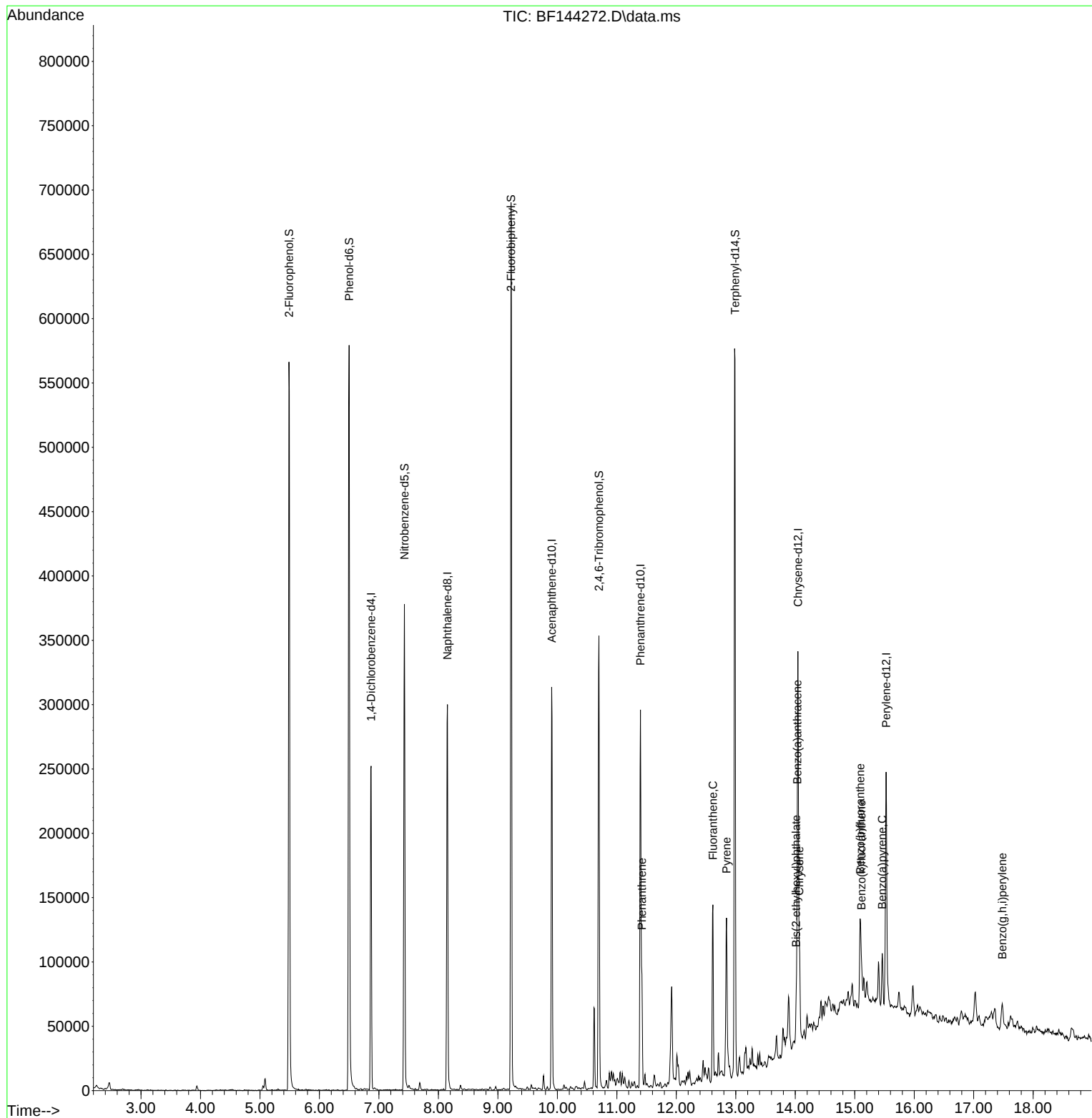
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144272.D
Acq On : 17 Nov 2025 17:28
Operator : RC/JU
Sample : Q3649-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

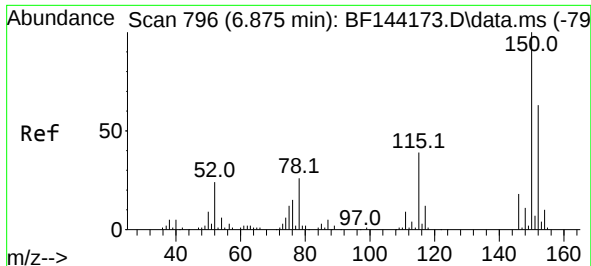
Instrument :
BNA_F
ClientSampleId :
DUPE-0.0-0.5-20251114

Quant Time: Nov 17 17:50:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

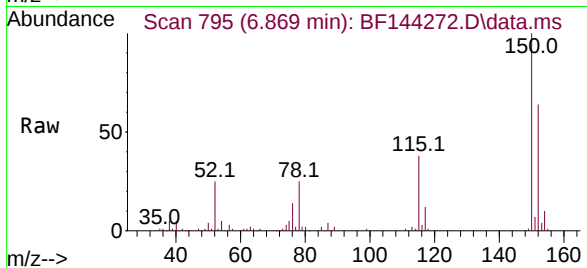
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 796
Delta R.T. -0.006 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

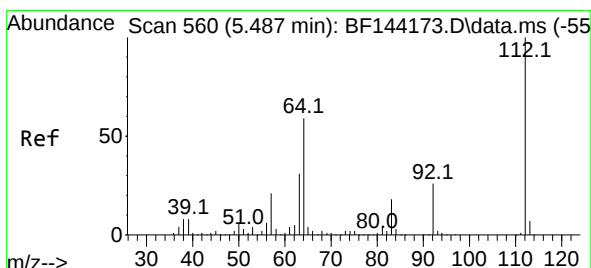
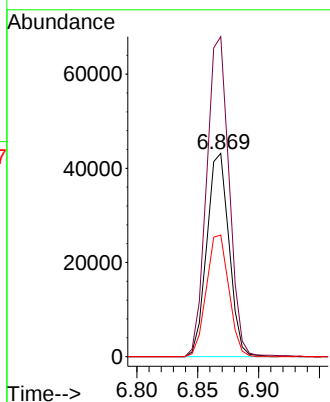
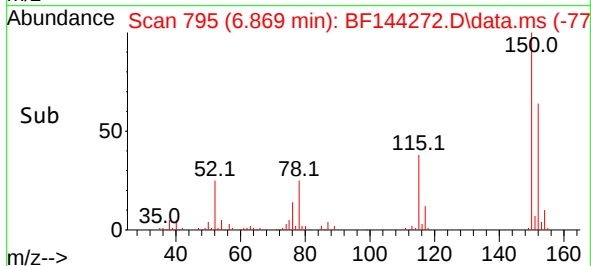
Instrument :
BNA_F
ClientSampleId :
DUPE-0.0-0.5-20251114



Tgt Ion:152 Resp: 54942
Ion Ratio Lower Upper
152 100
150 157.5 127.4 191.0
115 59.8 49.5 74.3

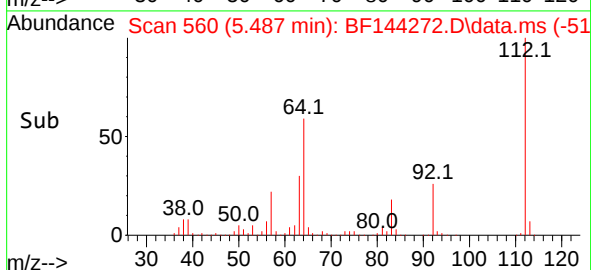
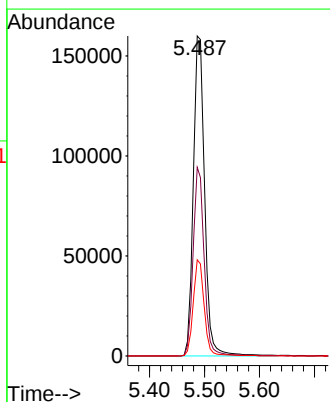
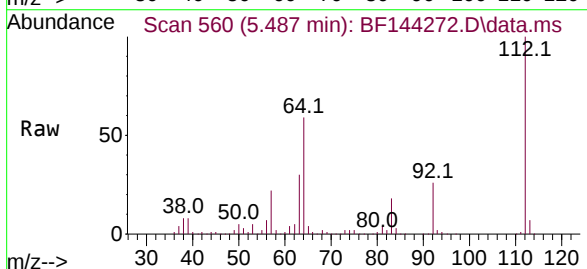
Manual Integrations
APPROVED

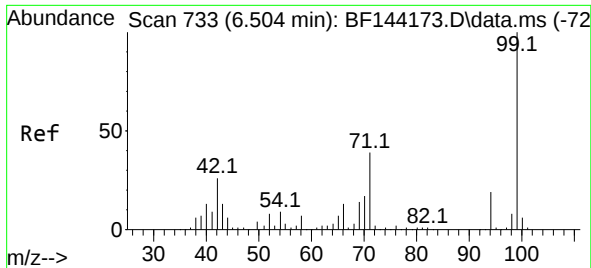
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025



#5
2-Fluorophenol
Concen: 65.416 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.006 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

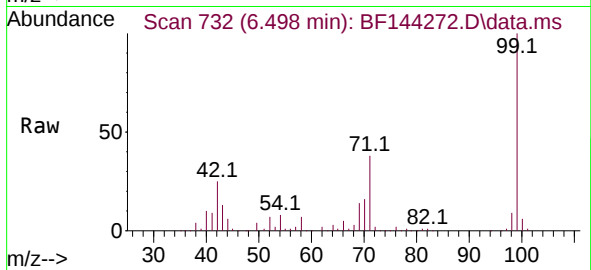
Tgt Ion:112 Resp: 229673
Ion Ratio Lower Upper
112 100
64 58.9 47.2 70.8
63 30.0 24.4 36.6





#7
Phenol-d6
Concen: 63.481 ng
RT: 6.498 min Scan# 733
Delta R.T. -0.000 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

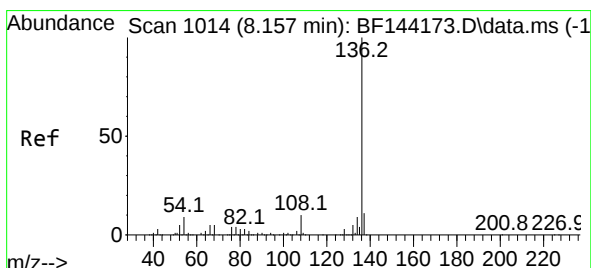
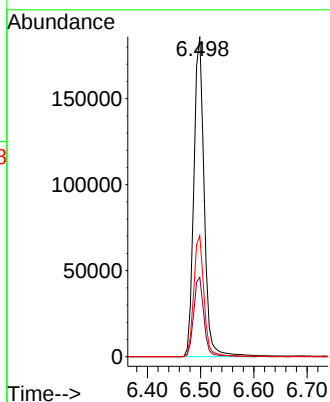
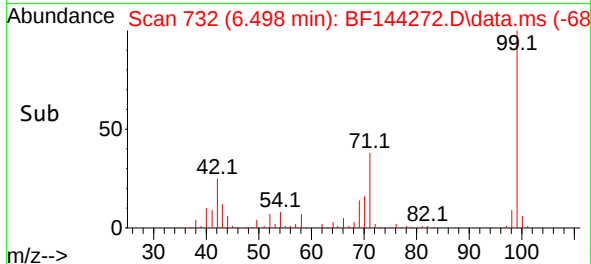
Instrument :
BNA_F
ClientSampleId :
DUPE-0.0-0.5-20251114



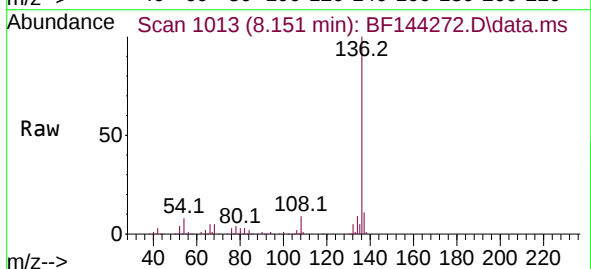
Tgt Ion: 99 Resp: 252538
Ion Ratio Lower Upper
99 100
42 24.8 20.9 31.3
71 37.8 31.4 47.2

Manual Integrations
APPROVED

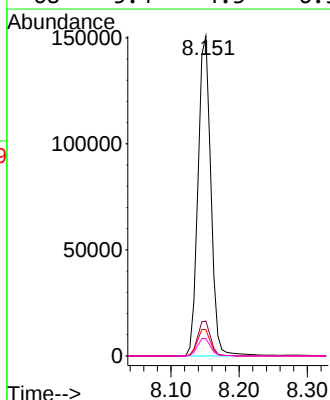
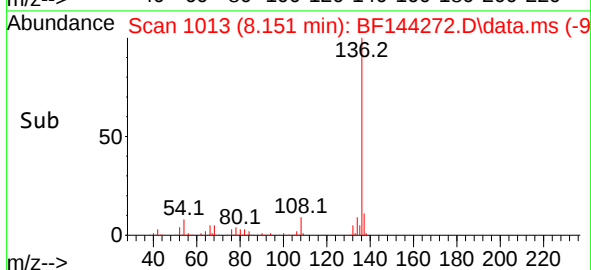
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

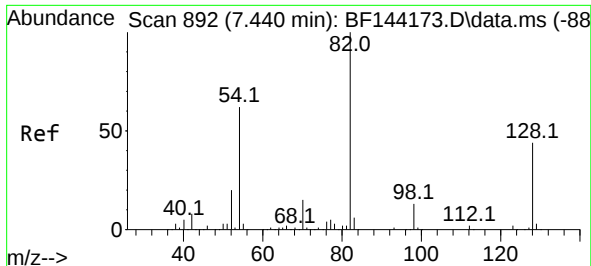


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28



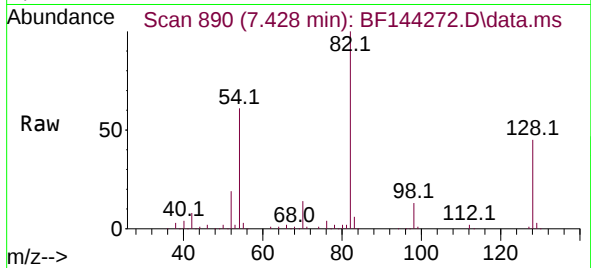
Tgt Ion:136 Resp: 197870
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.2 7.0 10.6
68 5.4 4.3 6.5





#23
Nitrobenzene-d5
Concen: 45.224 ng
RT: 7.428 min Scan# 89
Delta R.T. -0.006 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

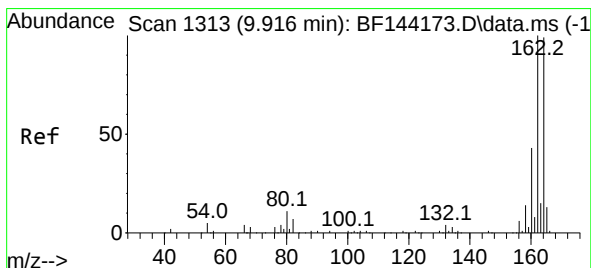
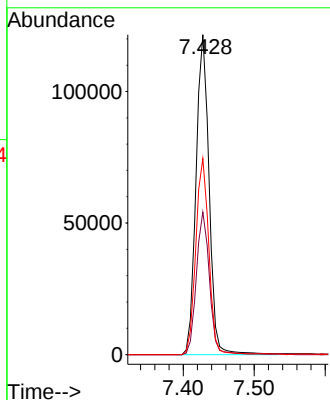
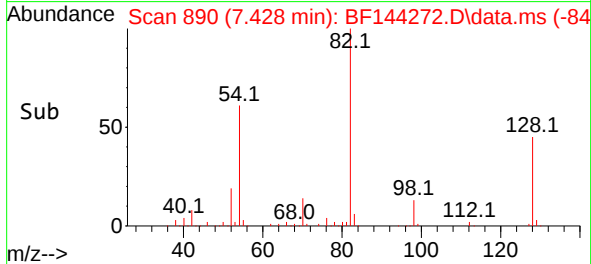
Instrument :
BNA_F
ClientSampleId :
DUPE-0.0-0.5-20251114



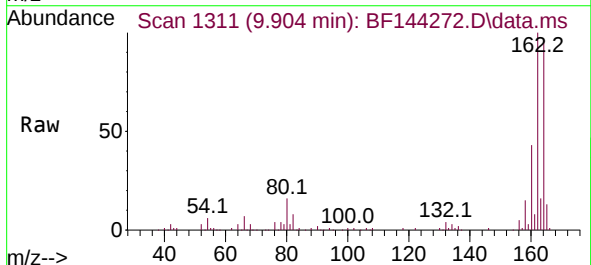
Tgt Ion: 82 Resp: 15493
Ion Ratio Lower Upper
82 100
128 44.6 34.7 52.1
54 61.3 49.5 74.3

Manual Integrations
APPROVED

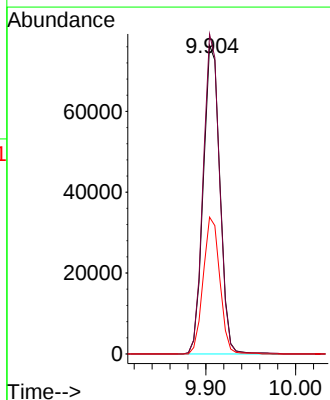
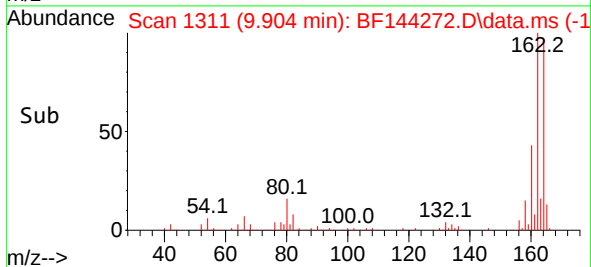
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1311
Delta R.T. -0.012 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28



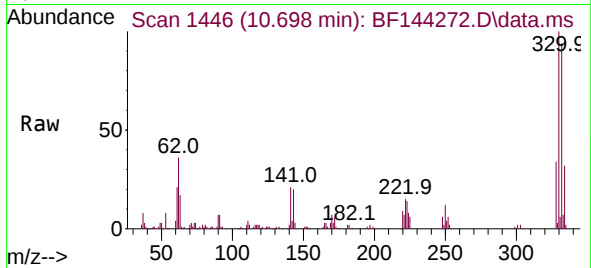
Tgt Ion:164 Resp: 98301
Ion Ratio Lower Upper
164 100
162 103.7 81.1 121.7
160 44.3 34.5 51.7





#42
2,4,6-Tribromophenol
Concen: 58.008 ng
RT: 10.698 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

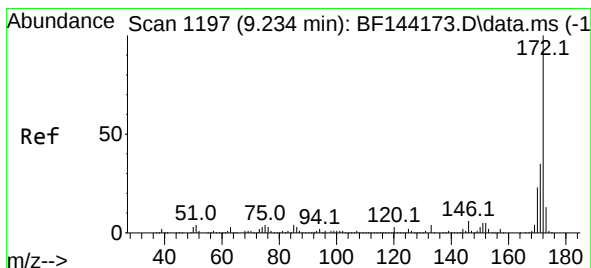
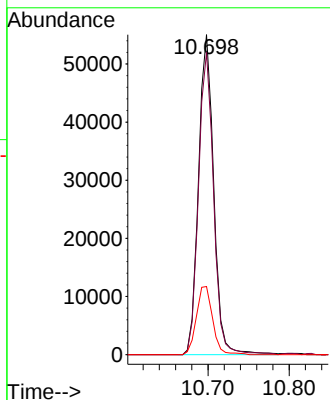
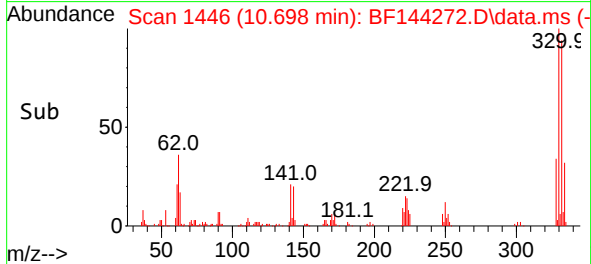
Instrument : BNA_F
ClientSampleId : DUPE-0.0-0.5-20251114



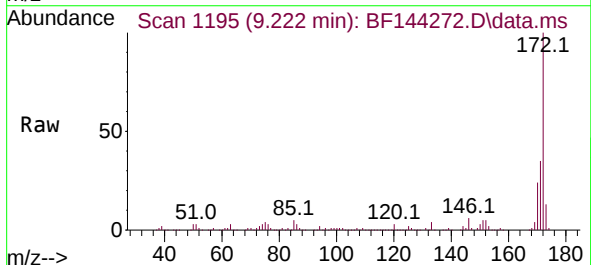
Tgt Ion: 330 Resp: 71552
Ion Ratio Lower Upper
330 100
332 93.9 76.7 115.1
141 22.7 17.8 26.8

Manual Integrations
APPROVED

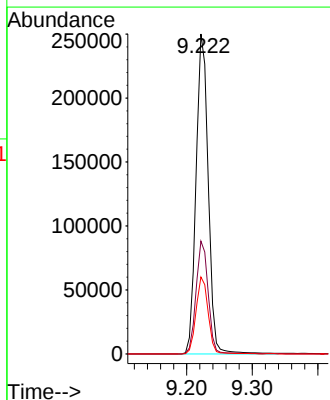
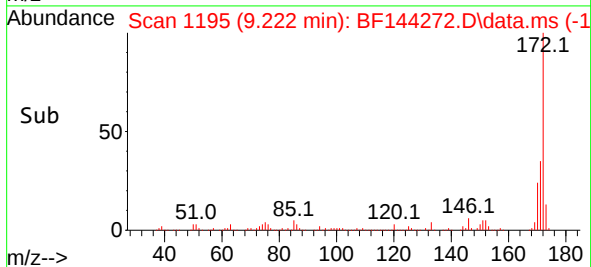
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

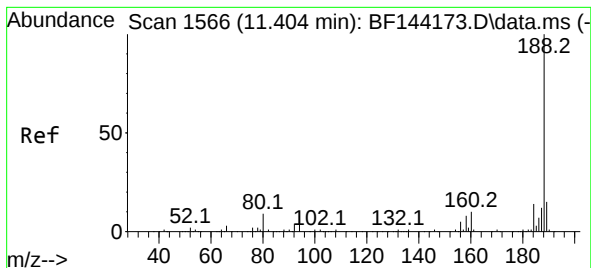


#45
2-Fluorobiphenyl
Concen: 48.291 ng
RT: 9.222 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28



Tgt Ion: 172 Resp: 321411
Ion Ratio Lower Upper
172 100
171 35.2 28.1 42.1
170 24.1 18.6 28.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1566

Delta R.T. -0.006 min

Lab File: BF144272.D

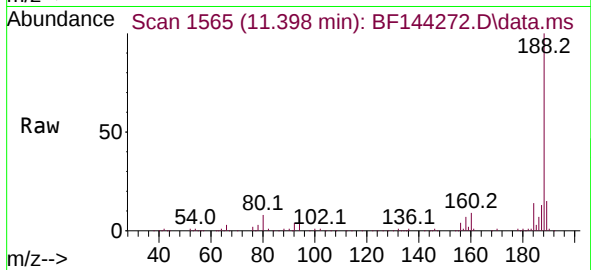
Acq: 17 Nov 2025 17:28

Instrument :

BNA_F

ClientSampleId :

DUPE-0.0-0.5-20251114



Tgt Ion:188 Resp: 159918

Ion Ratio Lower Upper

188 100

94 7.3 6.2 9.2

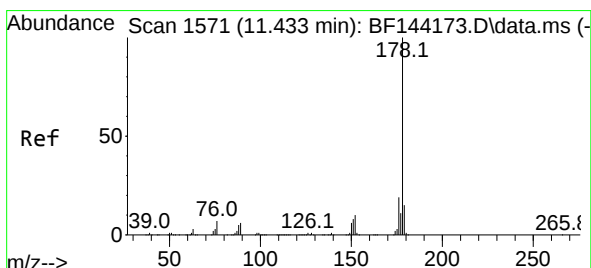
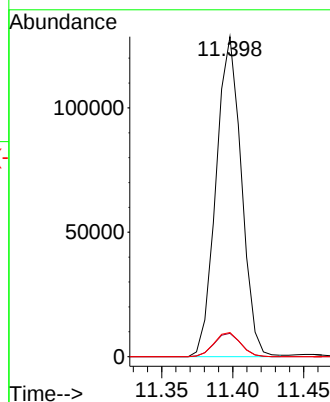
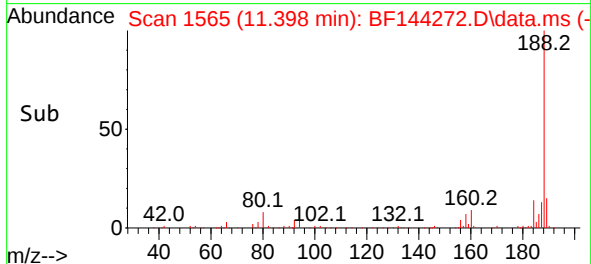
80 7.5 6.9 10.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/18/2025

Supervised By :Sohil Jodhani 11/18/2025



#71

Phenanthrene

Concen: 6.053 ng

RT: 11.422 min Scan# 1569

Delta R.T. -0.006 min

Lab File: BF144272.D

Acq: 17 Nov 2025 17:28

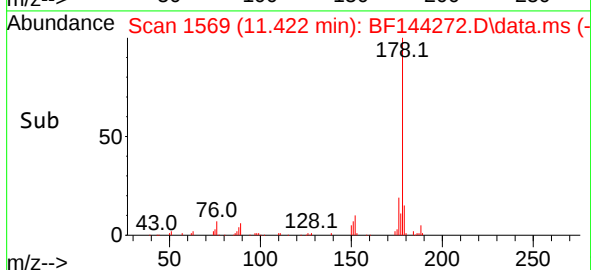
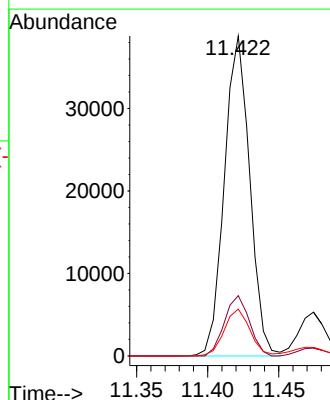
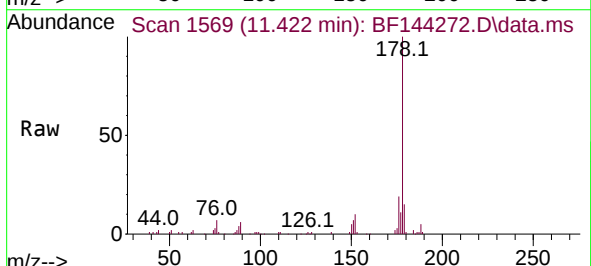
Tgt Ion:178 Resp: 48193

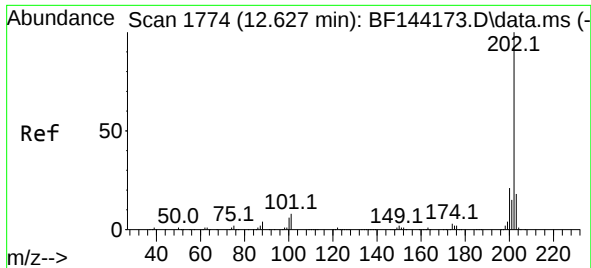
Ion Ratio Lower Upper

178 100

176 18.8 15.5 23.3

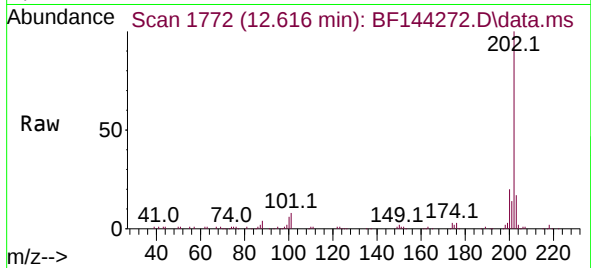
179 14.6 12.2 18.4





#75
Fluoranthene
Concen: 10.321 ng
RT: 12.616 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

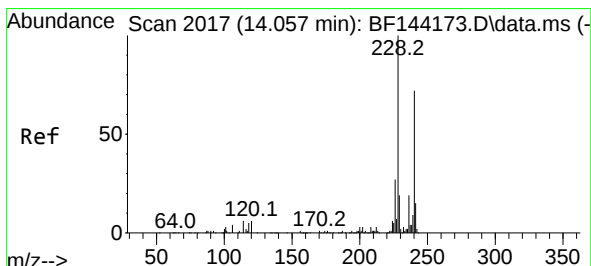
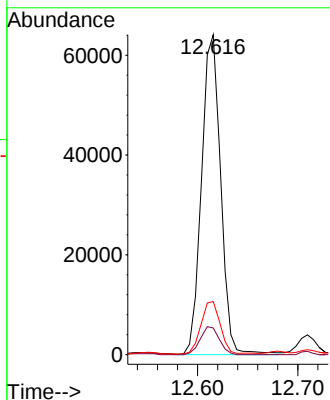
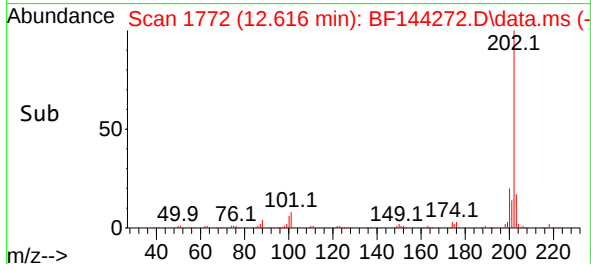
Instrument :
BNA_F
ClientSampleId :
DUPE-0.0-0.5-20251114



Tgt Ion:202 Resp: 84892
Ion Ratio Lower Upper
202 100
101 8.3 0.0 27.9
203 16.6 0.0 37.5

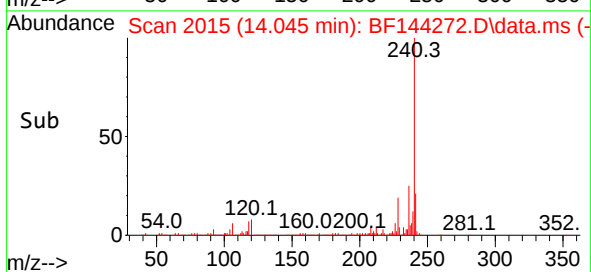
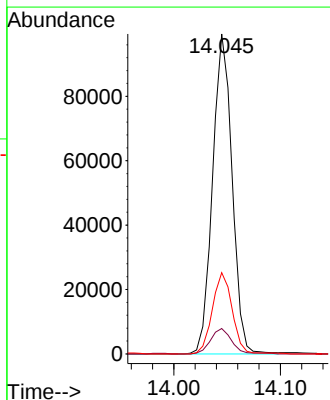
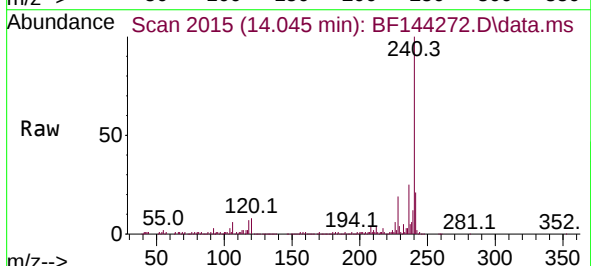
Manual Integrations
APPROVED

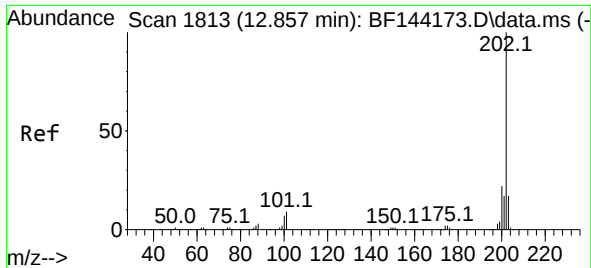
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

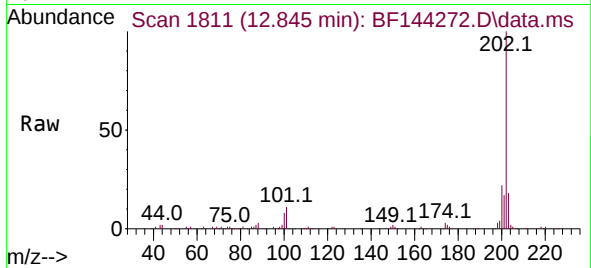
Tgt Ion:240 Resp: 126617
Ion Ratio Lower Upper
240 100
120 7.9 6.6 10.0
236 25.4 21.4 32.2





#78
Pyrene
Concen: 7.370 ng
RT: 12.845 min Scan# 1811
Delta R.T. -0.006 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

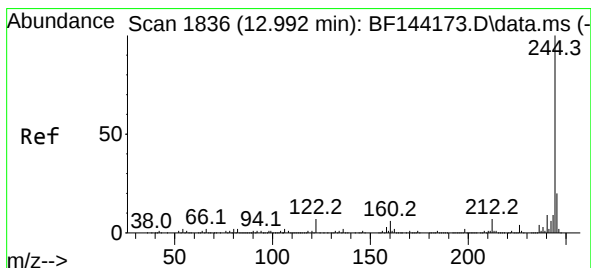
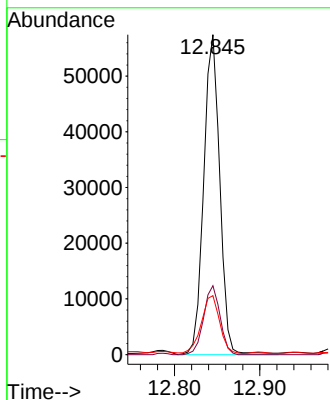
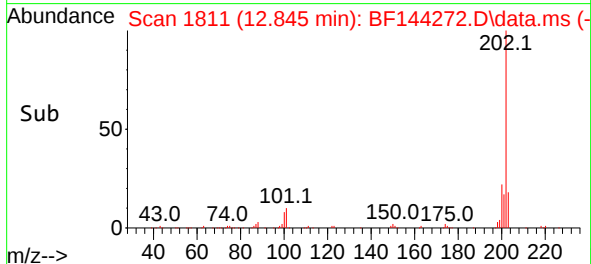
Instrument :
BNA_F
ClientSampleId :
DUPE-0.0-0.5-20251114



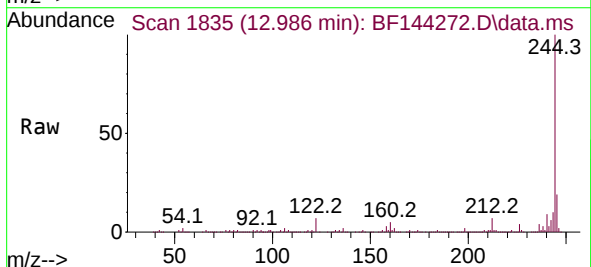
Tgt Ion:202 Resp: 75242
Ion Ratio Lower Upper
202 100
200 21.5 17.2 25.8
203 18.4 13.7 20.5

Manual Integrations
APPROVED

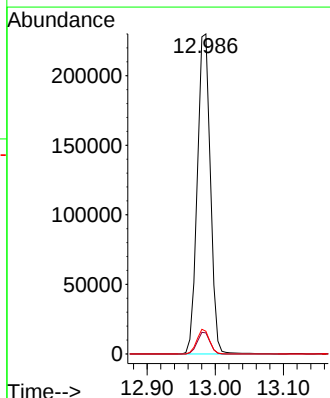
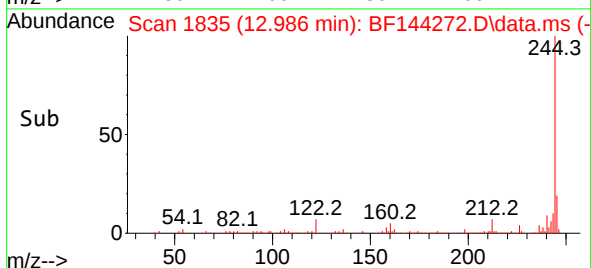
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

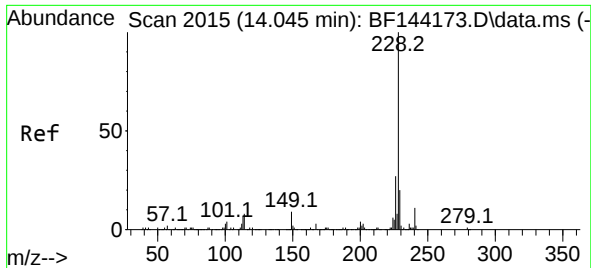


#79
Terphenyl-d14
Concen: 38.398 ng
RT: 12.986 min Scan# 1835
Delta R.T. -0.006 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28



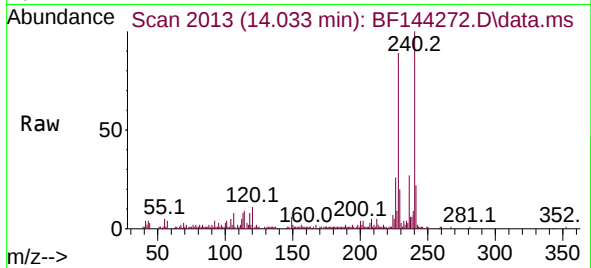
Tgt Ion:244 Resp: 306084
Ion Ratio Lower Upper
244 100
212 6.6 5.3 7.9
122 7.1 5.6 8.4





#81
Benzo(a)anthracene
Concen: 4.728 ng
RT: 14.033 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

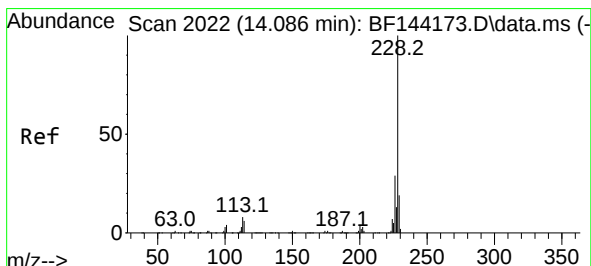
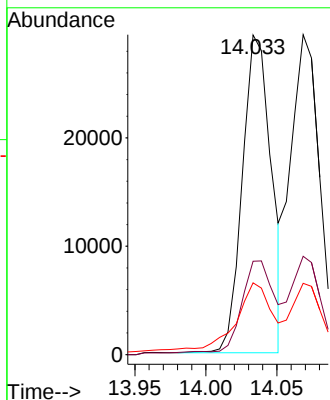
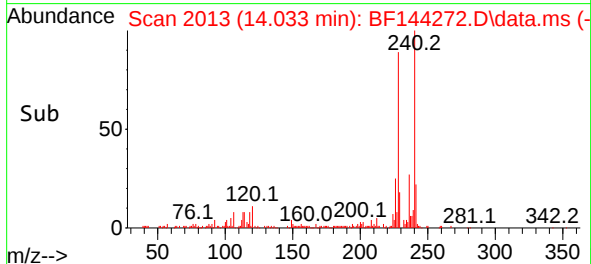
Instrument : BNA_F
ClientSampleId : DUPE-0.0-0.5-20251114



Tgt Ion:228 Resp: 41490
Ion Ratio Lower Upper
228 100
226 29.2 21.8 32.8
229 22.5 15.8 23.6

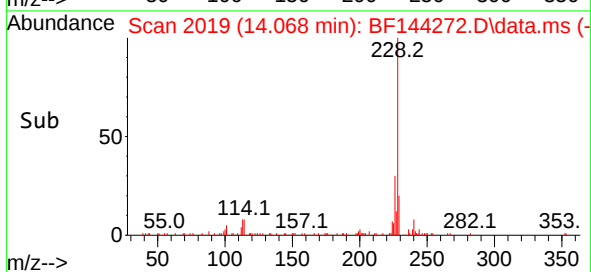
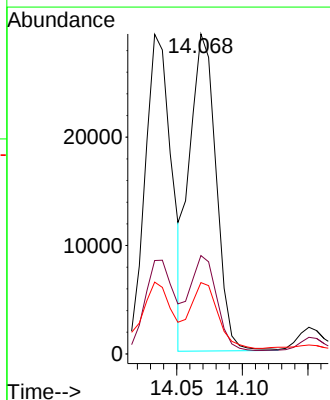
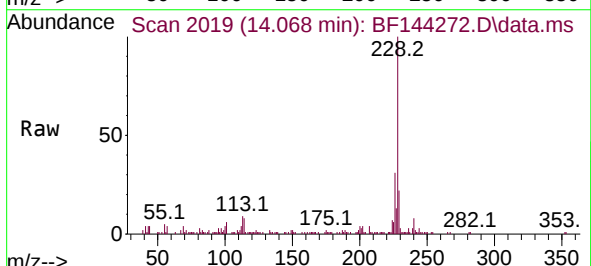
Manual Integrations
APPROVED

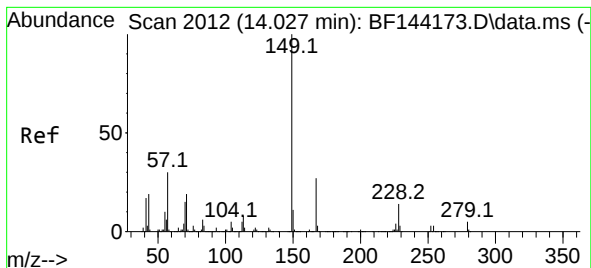
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025



#83
Chrysene
Concen: 5.093 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

Tgt Ion:228 Resp: 41260
Ion Ratio Lower Upper
228 100
226 30.7 22.9 34.3
229 22.3 15.0 22.6





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.817 ng

RT: 14.015 min Scan# 2010

Delta R.T. -0.012 min

Lab File: BF144272.D

Acq: 17 Nov 2025 17:28

Instrument :

BNA_F

ClientSampleId :

DUPE-0.0-0.5-20251114

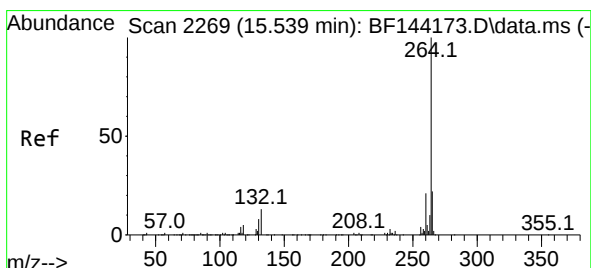
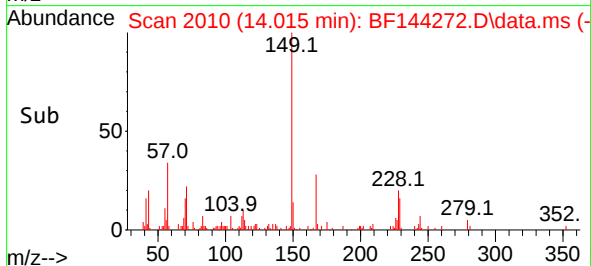
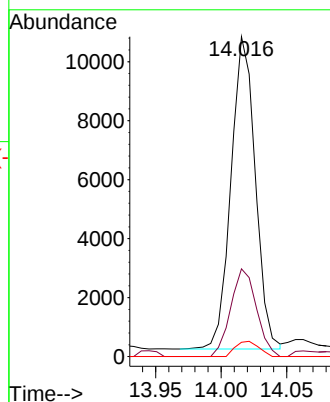
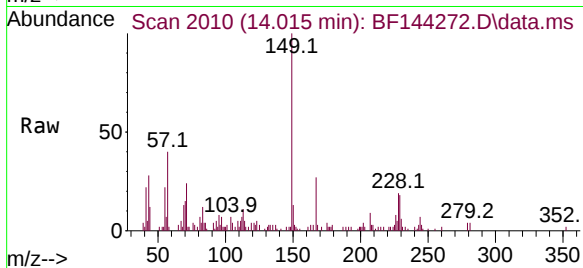
Tgt Ion:149 Resp: 13645

Ion	Ratio	Lower	Upper
149	100		
167	27.4	21.8	32.8
279	4.5	3.7	5.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 2267

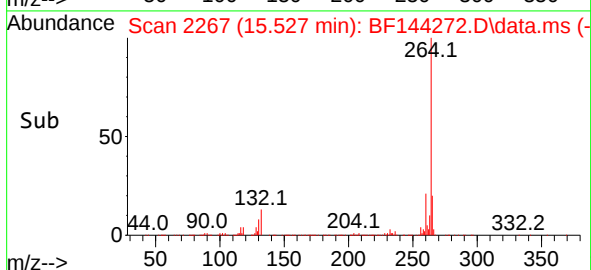
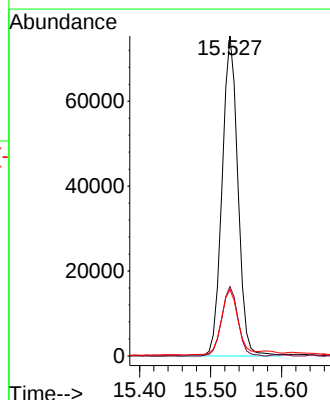
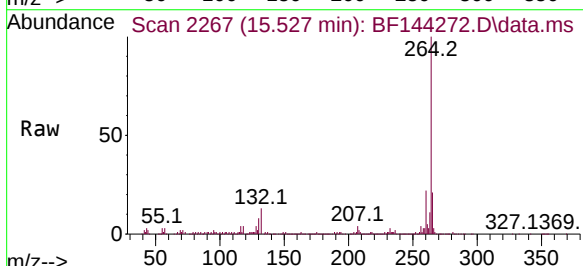
Delta R.T. -0.012 min

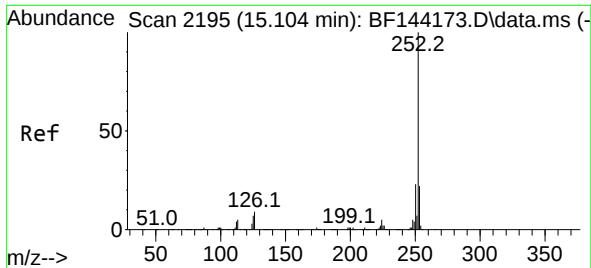
Lab File: BF144272.D

Acq: 17 Nov 2025 17:28

Tgt Ion:264 Resp: 116785

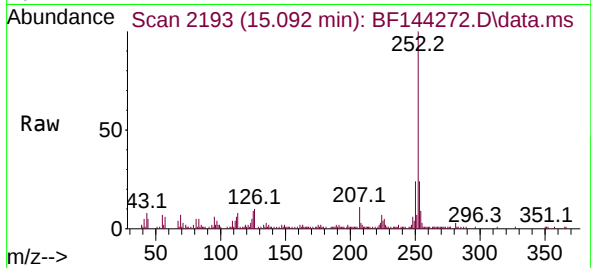
Ion	Ratio	Lower	Upper
264	100		
260	21.6	17.1	25.7
265	20.7	17.4	26.0





#88
Benzo(b)fluoranthene
Concen: 6.893 ng m
RT: 15.092 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

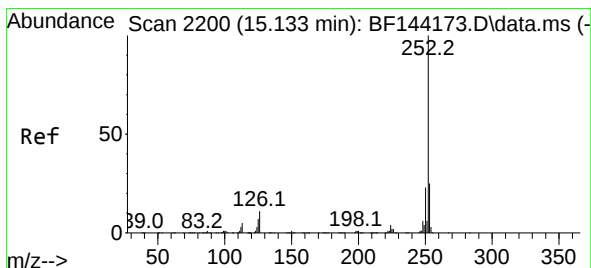
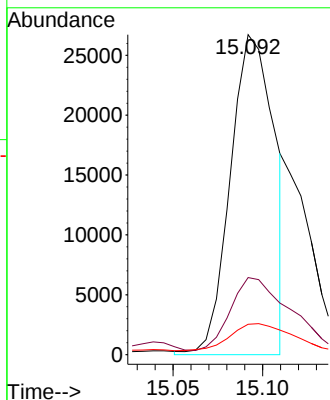
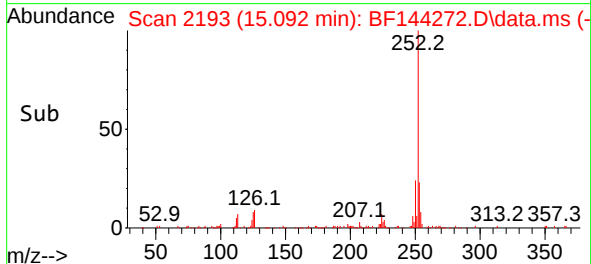
Instrument :
BNA_F
ClientSampleId :
DUPE-0.0-0.5-20251114



Tgt Ion:252 Resp: 45766
Ion Ratio Lower Upper
252 100
253 24.1 17.4 26.2
125 9.5 5.3 7.9

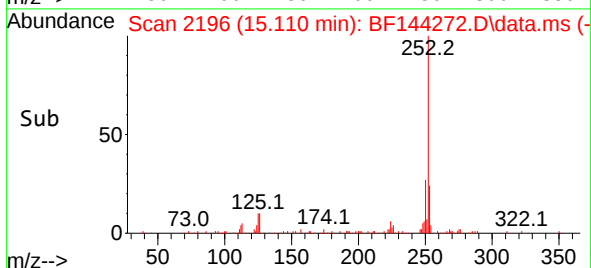
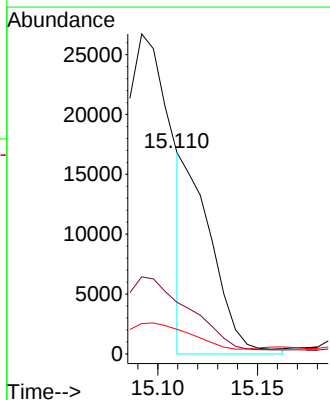
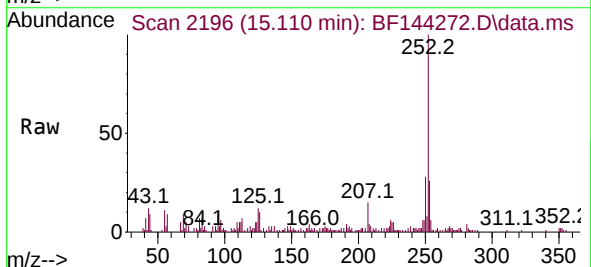
Manual Integrations
APPROVED

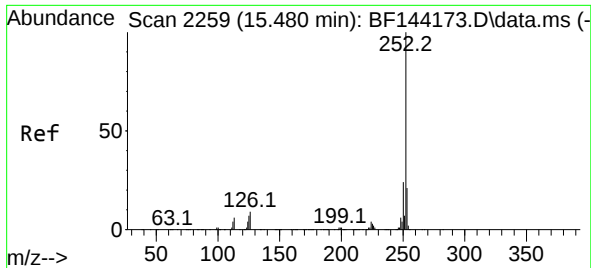
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025



#89
Benzo(k)fluoranthene
Concen: 2.665 ng m
RT: 15.110 min Scan# 2196
Delta R.T. -0.018 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

Tgt Ion:252 Resp: 16564
Ion Ratio Lower Upper
252 100
253 25.6 18.0 27.0
125 12.2 5.4 8.2





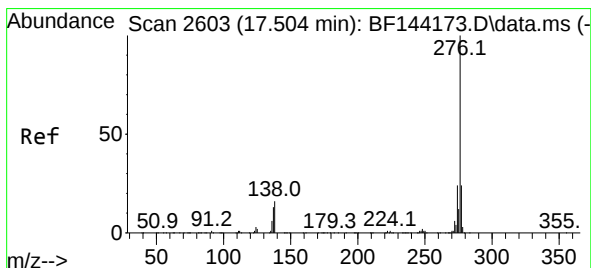
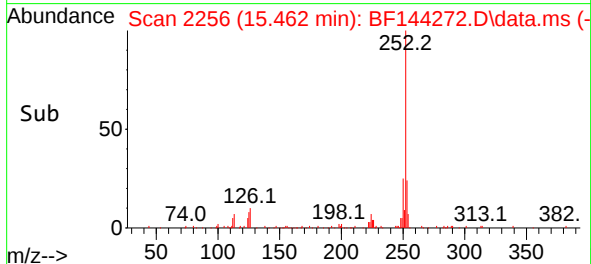
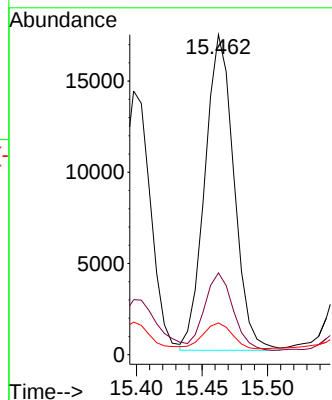
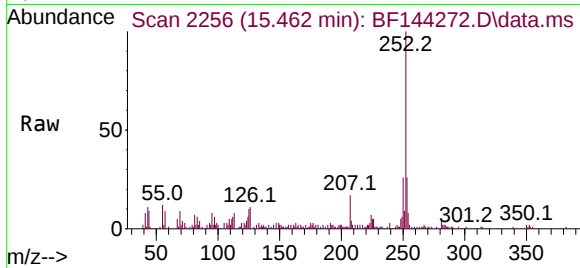
#90
Benzo(a)pyrene
Concen: 4.359 ng
RT: 15.462 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

Instrument :
BNA_F
ClientSampleId :
DUPE-0.0-0.5-20251114

Tgt Ion:252 Resp: 2669
Ion Ratio Lower Upper
252 100
253 25.5 16.7 25.1
125 9.9 5.7 8.5

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025



#92
Benzo(g,h,i)perylene
Concen: 2.359 ng
RT: 17.480 min Scan# 2599
Delta R.T. -0.012 min
Lab File: BF144272.D
Acq: 17 Nov 2025 17:28

Tgt Ion:276 Resp: 15681
Ion Ratio Lower Upper
276 100
277 25.7 19.0 28.4
138 14.7 12.9 19.3

