

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120225\
 Data File : BF144413.D
 Acq On : 02 Dec 2025 20:18
 Operator : RC/JU
 Sample : Q3719-13
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1125-17A

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/03/2025
 Supervised By :Sohil Jodhani 12/03/2025

Quant Time: Dec 02 23:49:35 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	38060	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	134068	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	71503	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	142069	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	101218	20.000	ng	0.00
86) Perylene-d12	15.533	264	83845	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	191784	78.854	ng	0.00
7) Phenol-d6	6.498	99	215365	78.149	ng	0.00
23) Nitrobenzene-d5	7.422	82	126256	54.390	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	68246	76.059	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	248707	51.372	ng	-0.01
79) Terphenyl-d14	12.980	244	341617	53.610	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.416	178	68562	9.693	ng	99
72) Anthracene	11.469	178	16600	2.308	ng	98
75) Fluoranthene	12.610	202	151729	20.765	ng	98
78) Pyrene	12.839	202	133509	16.359	ng	97
80) Butylbenzylphthalate	13.457	149	6876	2.431	ng	# 86
81) Benzo(a)anthracene	14.033	228	58967	8.406	ng	# 93
83) Chrysene	14.069	228	53954	8.331	ng	# 92
87) Indeno(1,2,3-cd)pyrene	17.033	276	20979	3.486	ng	96
88) Benzo(b)fluoranthene	15.098	252	48783m	10.234	ng	
89) Benzo(k)fluoranthene	15.110	252	20440m	4.581	ng	
90) Benzo(a)pyrene	15.468	252	33904	7.710	ng	# 85
92) Benzo(g,h,i)perylene	17.498	276	20002	4.190	ng	# 92

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

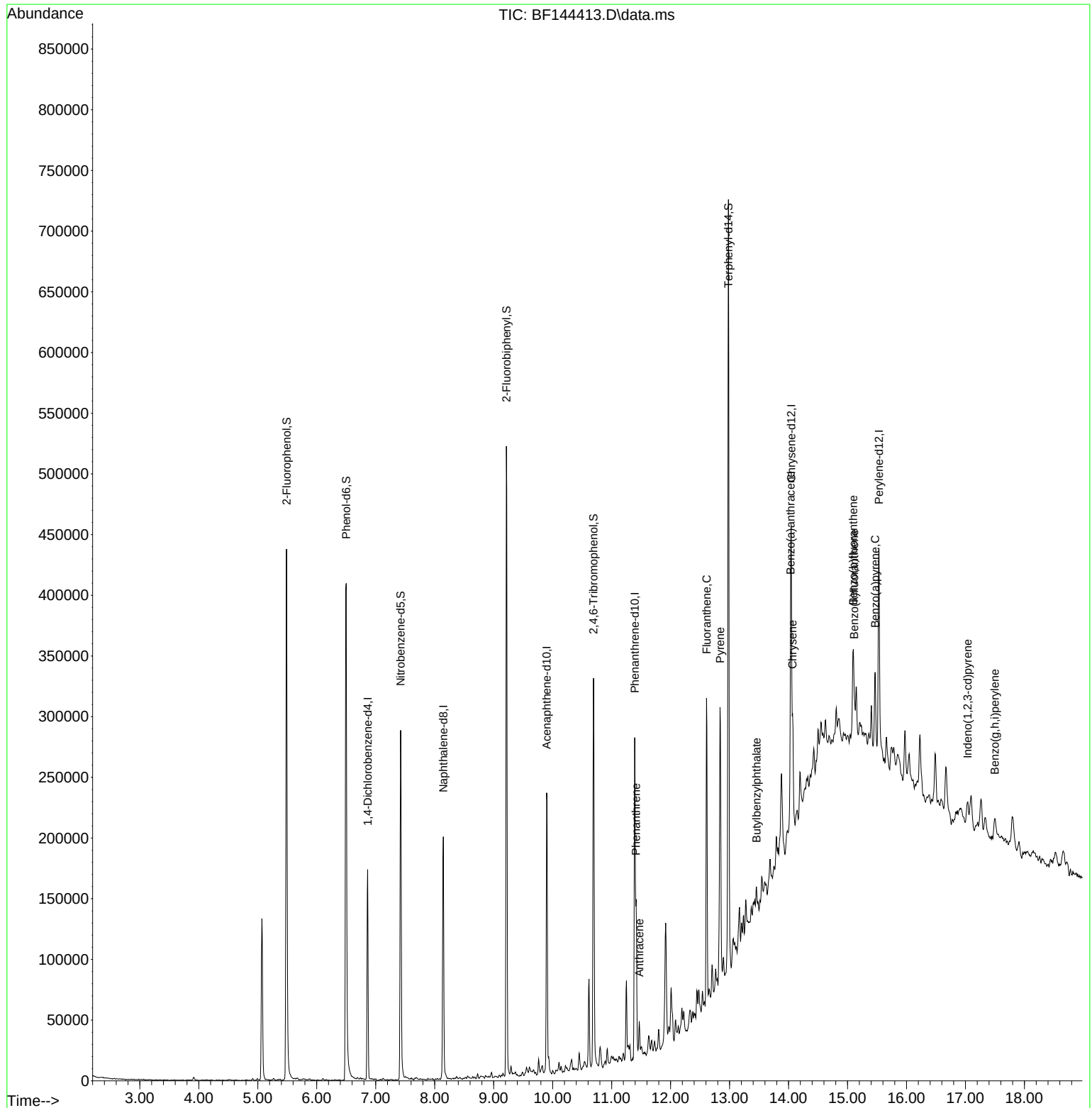
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120225\
Data File : BF144413.D
Acq On : 02 Dec 2025 20:18
Operator : RC/JU
Sample : Q3719-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

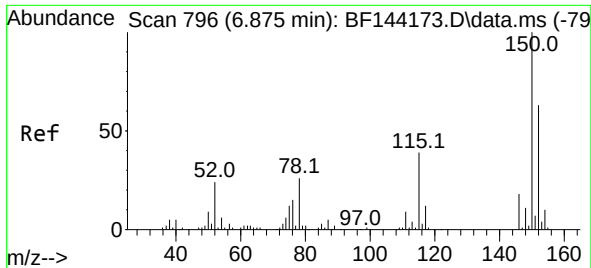
Instrument :
BNA_F
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SB-1125-17A

Quant Time: Dec 02 23:49:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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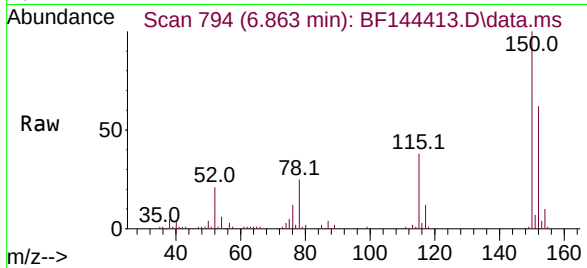
Reviewed By :Jagrut Upadhyay 12/03/2025
Supervised By :Sohil Jodhani 12/03/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF144413.D
Acq: 02 Dec 2025 20:18

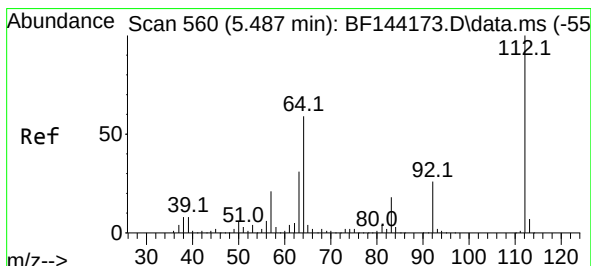
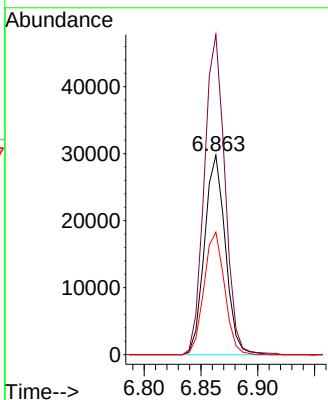
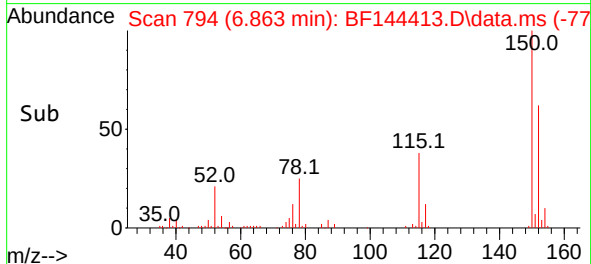
Instrument :
BNA_F
ClientSampleId :
SB-1125-17A



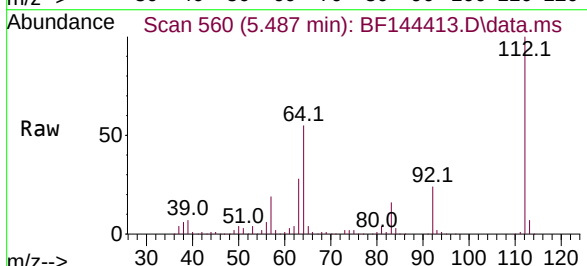
Tgt Ion:152 Resp: 38060
Ion Ratio Lower Upper
152 100
150 160.6 127.4 191.0
115 61.4 49.5 74.3

Manual Integrations
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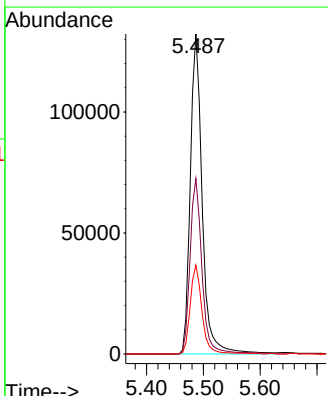
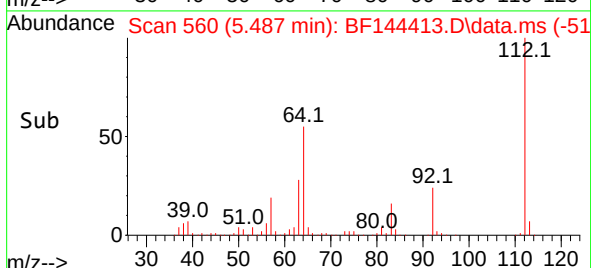
Reviewed By :Jagrut Upadhyay 12/03/2025
Supervised By :Sohil Jodhani 12/03/2025



#5
2-Fluorophenol
Concen: 78.854 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.006 min
Lab File: BF144413.D
Acq: 02 Dec 2025 20:18



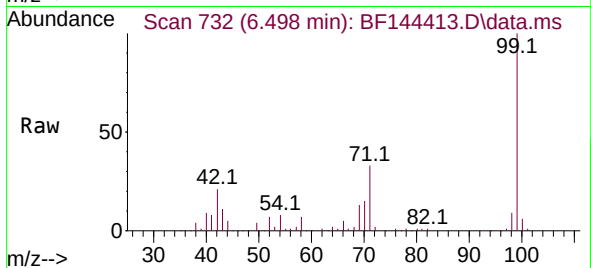
Tgt Ion:112 Resp: 191784
Ion Ratio Lower Upper
112 100
64 54.8 47.2 70.8
63 27.7 24.4 36.6





#7
Phenol-d6
Concen: 78.149 ng
RT: 6.498 min Scan# 733
Delta R.T. -0.000 min
Lab File: BF144413.D
Acq: 02 Dec 2025 20:18

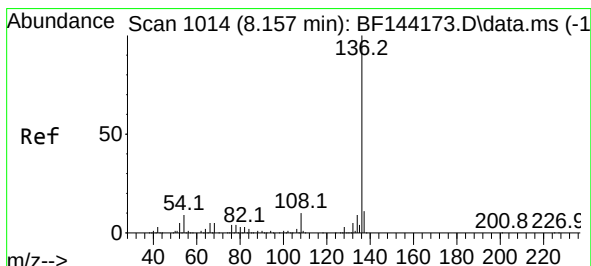
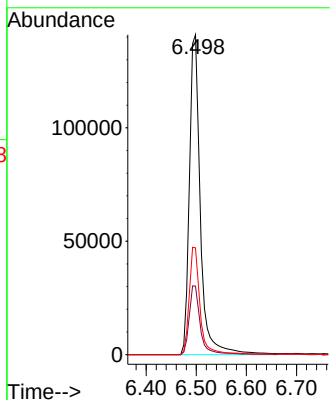
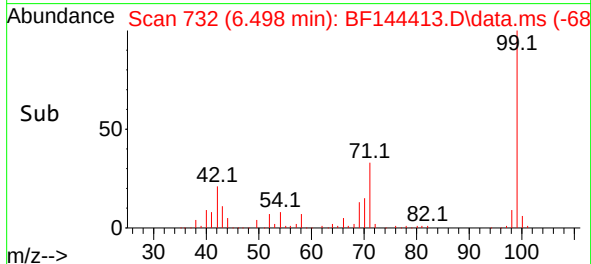
Instrument :
BNA_F
ClientSampleId :
SB-1125-17A



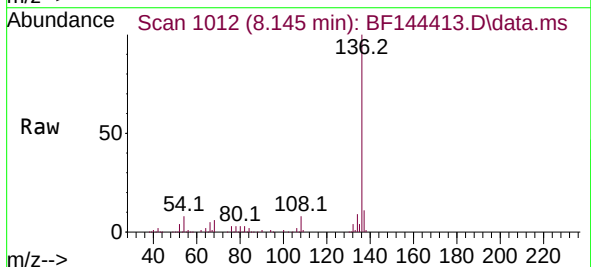
Tgt Ion: 99 Resp: 215368
Ion Ratio Lower Upper
99 100
42 21.4 20.9 31.3
71 33.4 31.4 47.2

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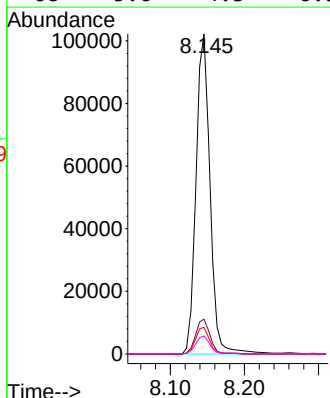
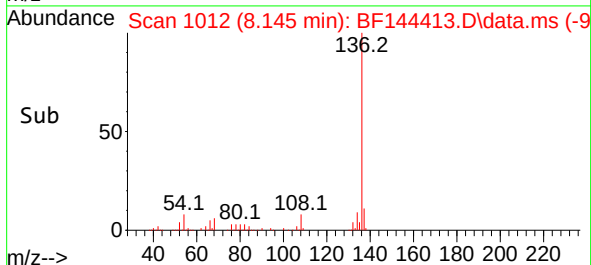
Reviewed By :Jagrut Upadhyay 12/03/2025
Supervised By :Sohil Jodhani 12/03/2025

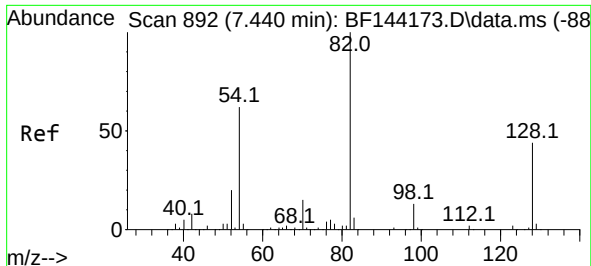


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF144413.D
Acq: 02 Dec 2025 20:18



Tgt Ion:136 Resp: 134068
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.3 7.0 10.6
68 5.6 4.3 6.5





#23

Nitrobenzene-d5

Concen: 54.390 ng

RT: 7.422 min Scan# 889

Delta R.T. -0.012 min

Lab File: BF144413.D

Acq: 02 Dec 2025 20:18

Instrument :

BNA_F

ClientSampleId :

SB-1125-17A

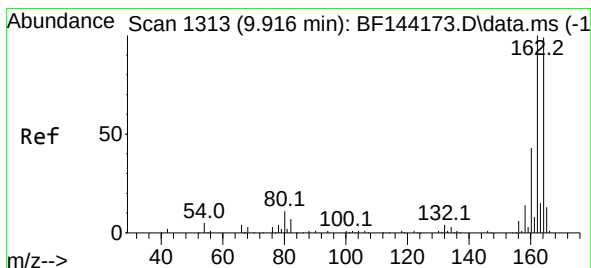
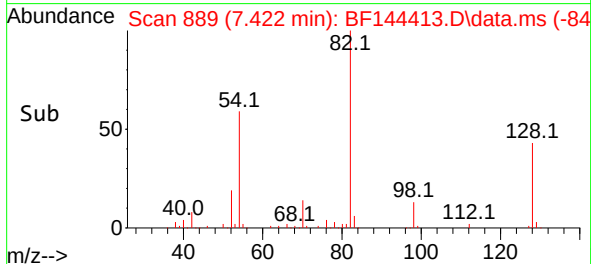
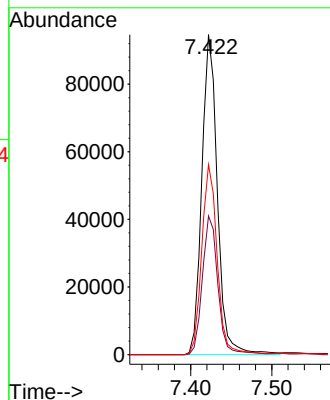
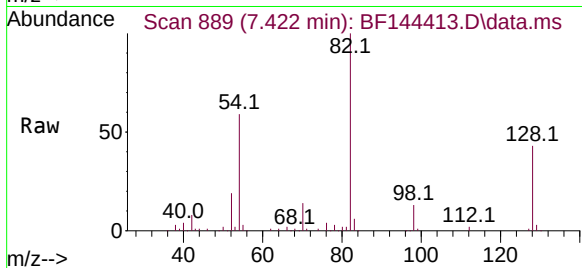
Tgt Ion: 82 Resp: 126256

Ion	Ratio	Lower	Upper
82	100		
128	43.3	34.7	52.1
54	59.4	49.5	74.3

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.898 min Scan# 1310

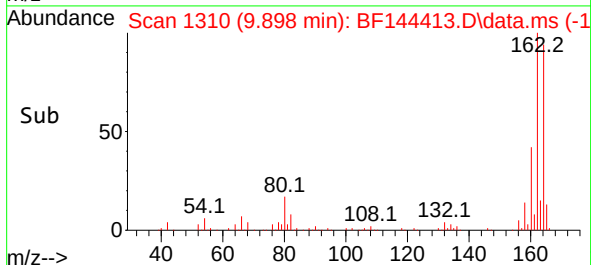
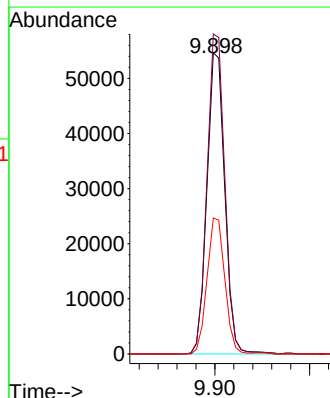
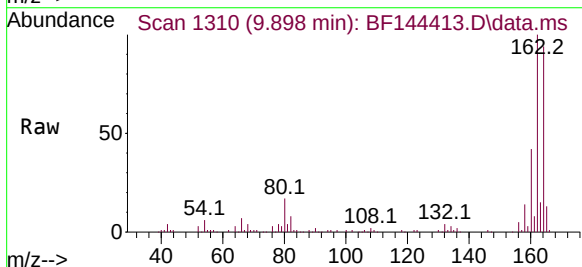
Delta R.T. -0.018 min

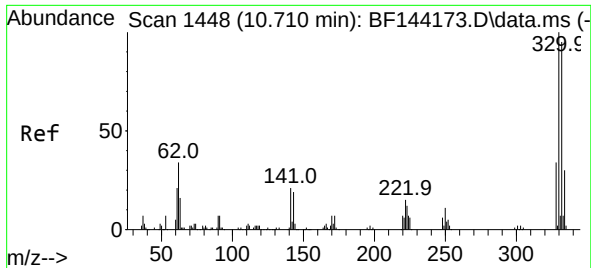
Lab File: BF144413.D

Acq: 02 Dec 2025 20:18

Tgt Ion:164 Resp: 71503

Ion	Ratio	Lower	Upper
164	100		
162	106.2	81.1	121.7
160	45.1	34.5	51.7





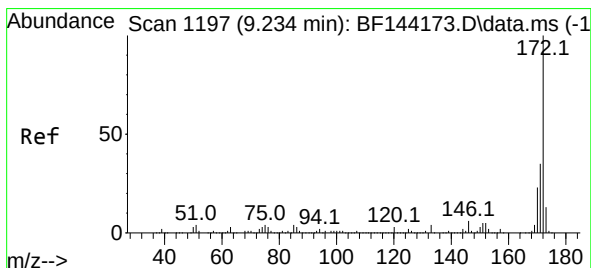
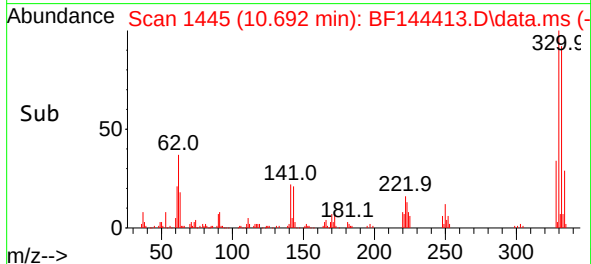
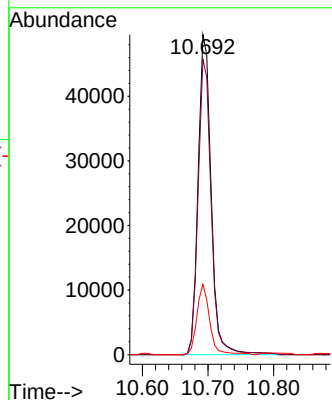
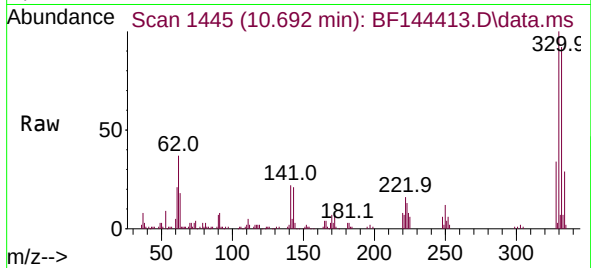
#42
2,4,6-Tribromophenol
Concen: 76.059 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF144413.D
Acq: 02 Dec 2025 20:18

Instrument :
BNA_F
ClientSampleId :
SB-1125-17A

Tgt Ion: 330 Resp: 68246
Ion Ratio Lower Upper
330 100
332 92.5 76.7 115.1
141 21.5 17.8 26.8

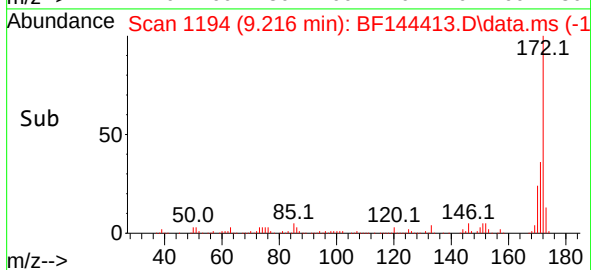
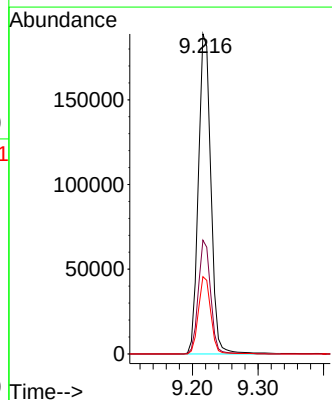
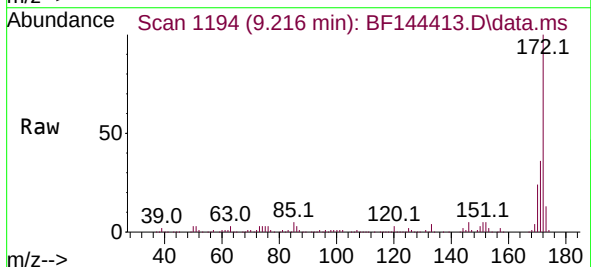
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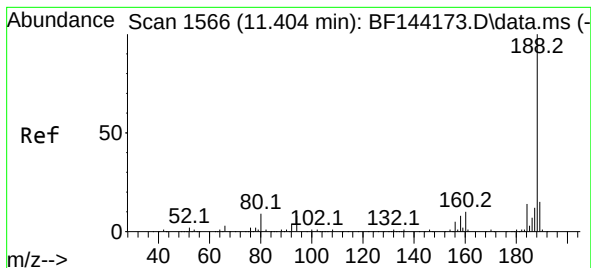
Reviewed By :Jagrut Upadhyay 12/03/2025
Supervised By :Sohil Jodhani 12/03/2025



#45
2-Fluorobiphenyl
Concen: 51.372 ng
RT: 9.216 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF144413.D
Acq: 02 Dec 2025 20:18

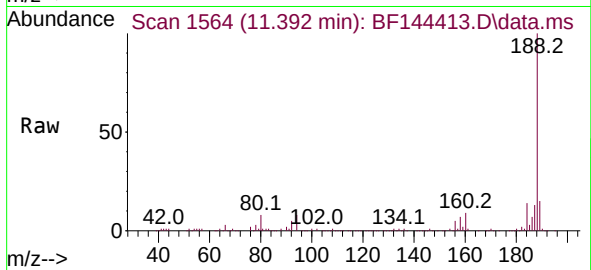
Tgt Ion: 172 Resp: 248707
Ion Ratio Lower Upper
172 100
171 35.5 28.1 42.1
170 24.1 18.6 28.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144413.D
Acq: 02 Dec 2025 20:18

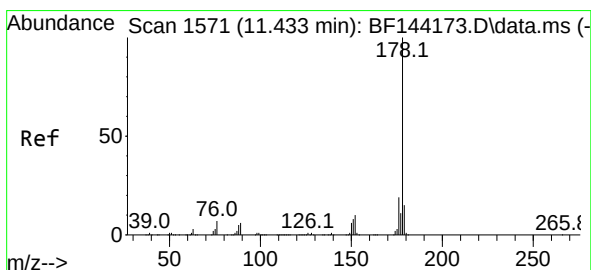
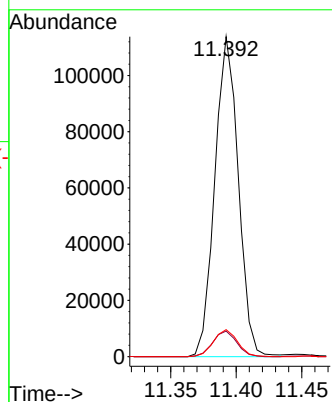
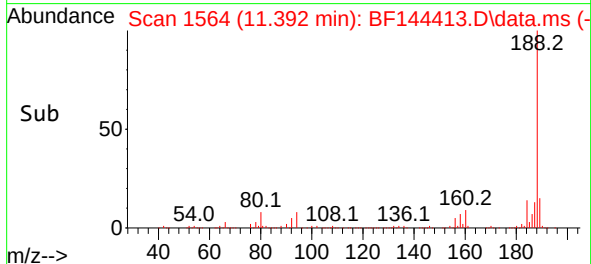
Instrument :
BNA_F
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SB-1125-17A



Tgt Ion:188 Resp: 142069
Ion Ratio Lower Upper
188 100
94 8.0 6.2 9.2
80 8.4 6.9 10.3

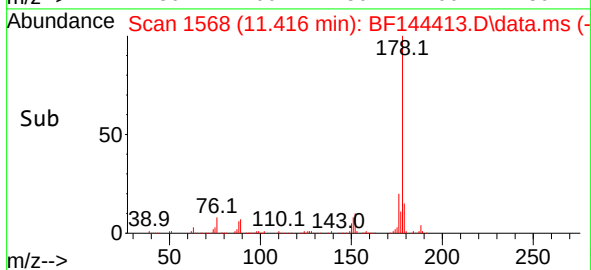
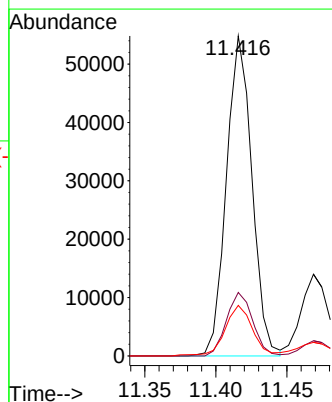
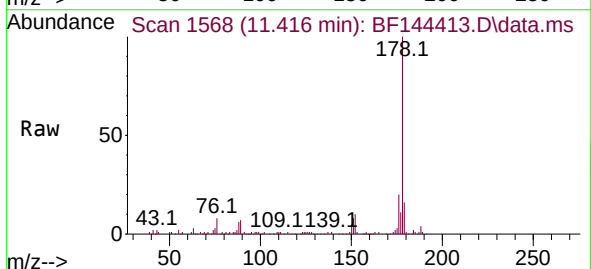
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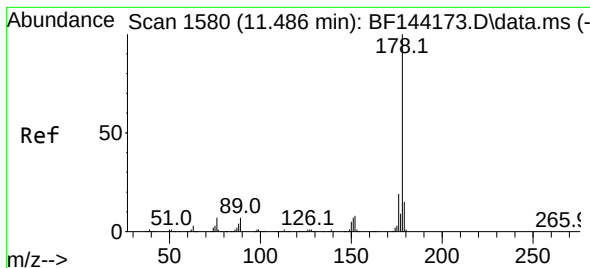
Reviewed By :Jagrut Upadhyay 12/03/2025
Supervised By :Sohil Jodhani 12/03/2025



#71
Phenanthrene
Concen: 9.693 ng
RT: 11.416 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF144413.D
Acq: 02 Dec 2025 20:18

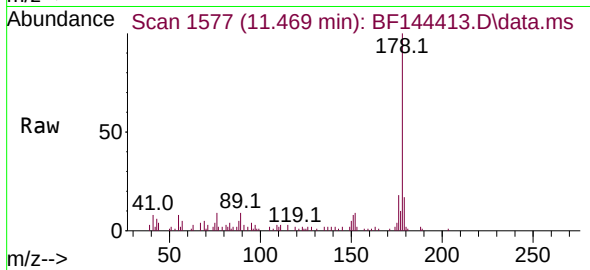
Tgt Ion:178 Resp: 68562
Ion Ratio Lower Upper
178 100
176 19.8 15.5 23.3
179 15.8 12.2 18.4





#72
 Anthracene
 Concen: 2.308 ng
 RT: 11.469 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF144413.D
 Acq: 02 Dec 2025 20:18

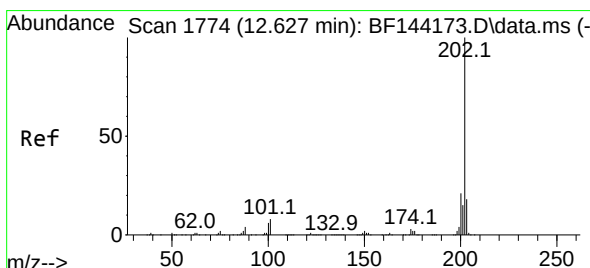
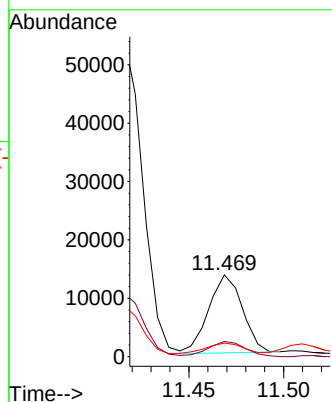
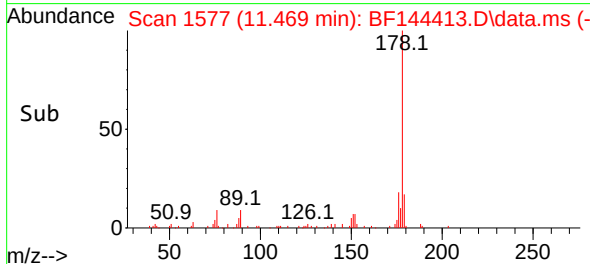
Instrument :
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 SB-1125-17A



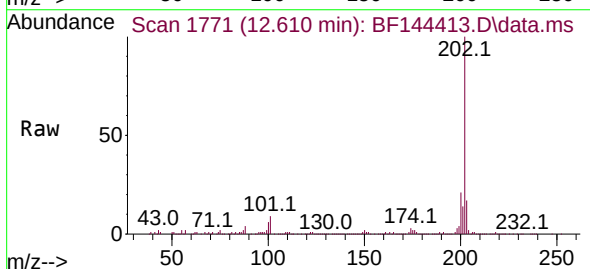
Tgt Ion:178 Resp: 16600
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.3 22.9
 179 16.6 12.0 18.0

Manual Integrations
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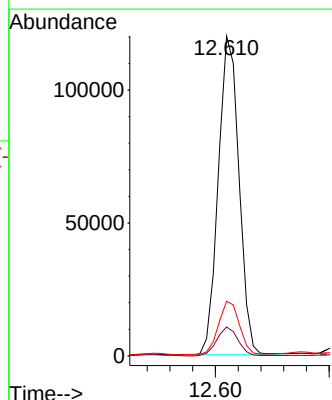
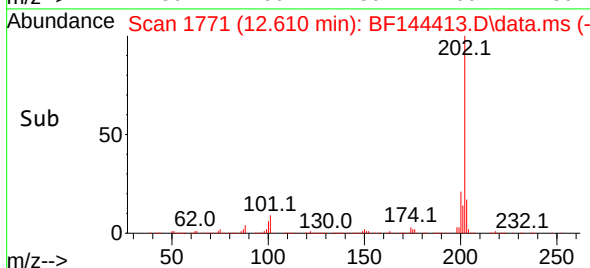
Reviewed By :Jagrut Upadhyay 12/03/2025
 Supervised By :Sohil Jodhani 12/03/2025

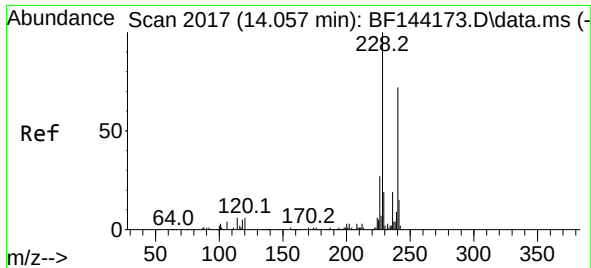


#75
 Fluoranthene
 Concen: 20.765 ng
 RT: 12.610 min Scan# 1771
 Delta R.T. -0.012 min
 Lab File: BF144413.D
 Acq: 02 Dec 2025 20:18



Tgt Ion:202 Resp: 151729
 Ion Ratio Lower Upper
 202 100
 101 9.0 0.0 27.9
 203 17.1 0.0 37.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF144413.D
Acq: 02 Dec 2025 20:18

Instrument :

BNA_F

ClientSampleId :

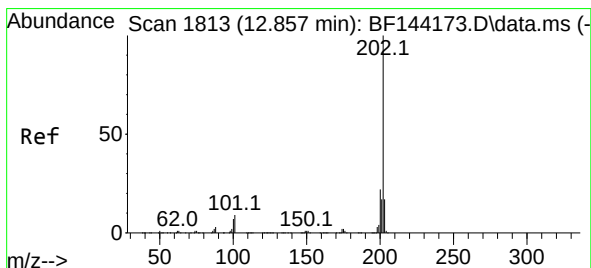
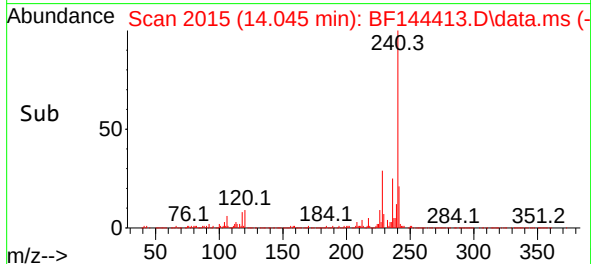
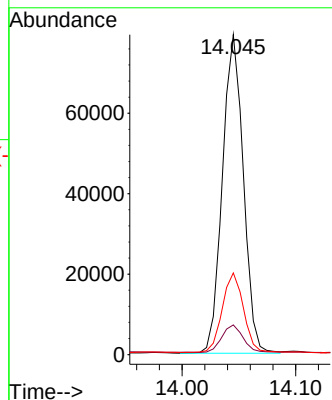
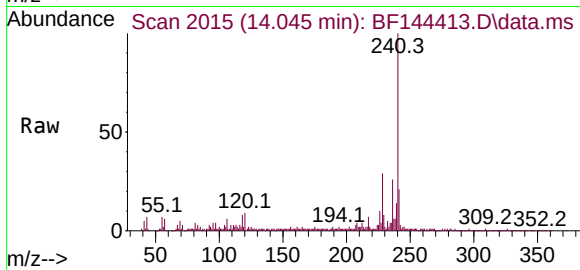
SB-1125-17A

Tgt Ion:240 Resp: 101218
Ion Ratio Lower Upper
240 100
120 9.3 6.6 10.0
236 25.5 21.4 32.2

Manual Integrations

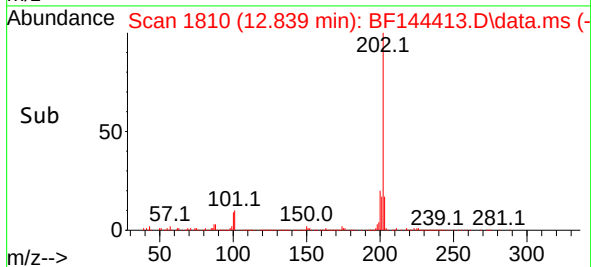
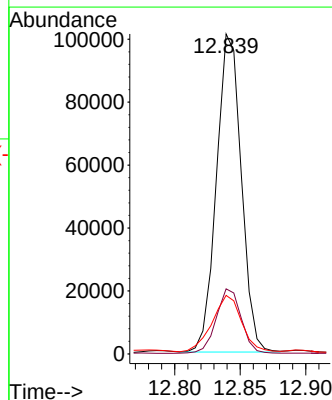
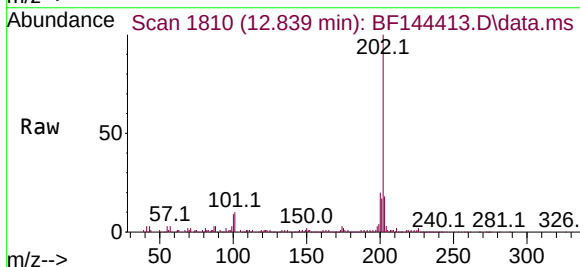
APPROVED

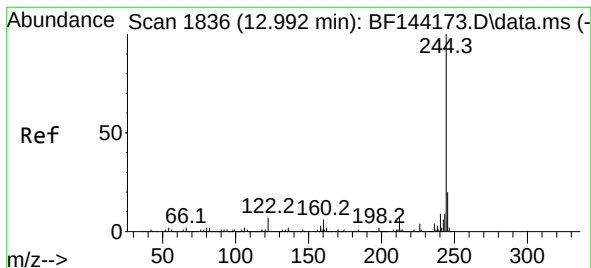
Reviewed By :Jagrut Upadhyay 12/03/2025
Supervised By :Sohil Jodhani 12/03/2025



#78
Pyrene
Concen: 16.359 ng
RT: 12.839 min Scan# 1810
Delta R.T. -0.012 min
Lab File: BF144413.D
Acq: 02 Dec 2025 20:18

Tgt Ion:202 Resp: 133509
Ion Ratio Lower Upper
202 100
200 20.3 17.2 25.8
203 18.3 13.7 20.5





#79

Terphenyl-d14

Concen: 53.610 ng

RT: 12.980 min Scan# 1836

Delta R.T. -0.012 min

Lab File: BF144413.D

Acq: 02 Dec 2025 20:18

Instrument :

BNA_F

ClientSampleId :

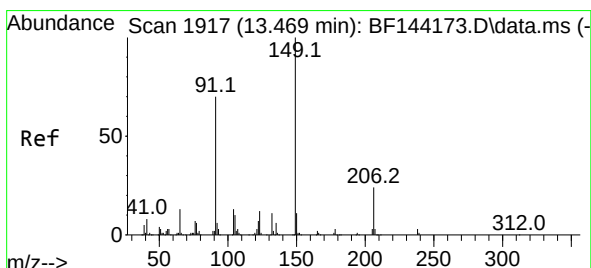
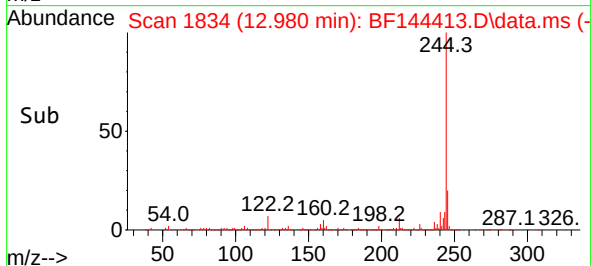
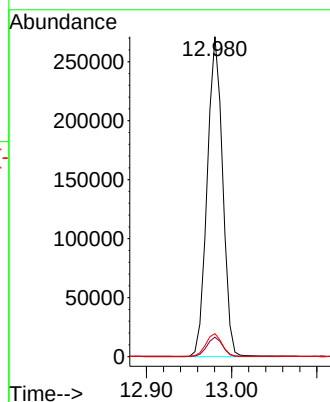
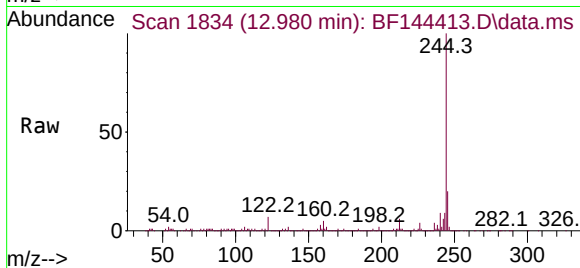
SB-1125-17A

Tgt Ion:	244	Resp:	34161
Ion Ratio	Lower	Upper	
244	100		
212	6.1	5.3	7.9
122	7.2	5.6	8.4

Manual Integrations

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Reviewed By :Jagrut Upadhyay 12/03/2025
Supervised By :Sohil Jodhani 12/03/2025



#80

Butylbenzylphthalate

Concen: 2.431 ng

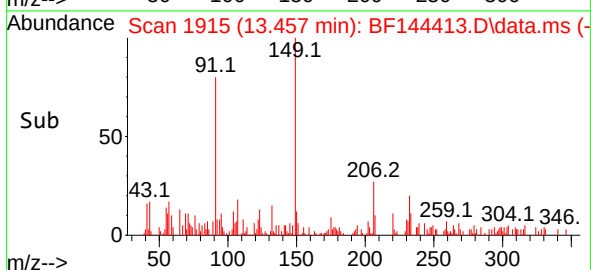
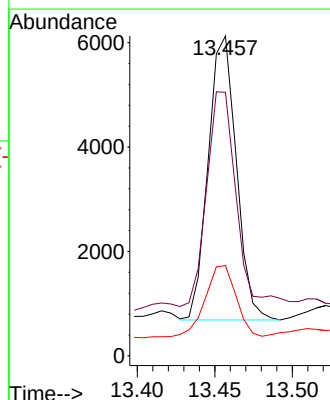
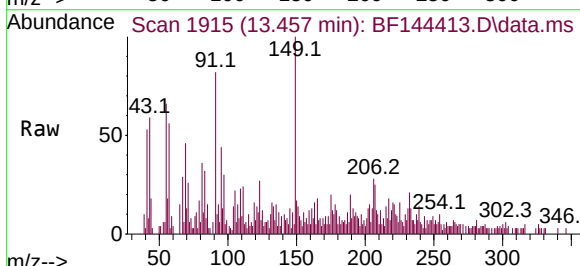
RT: 13.457 min Scan# 1915

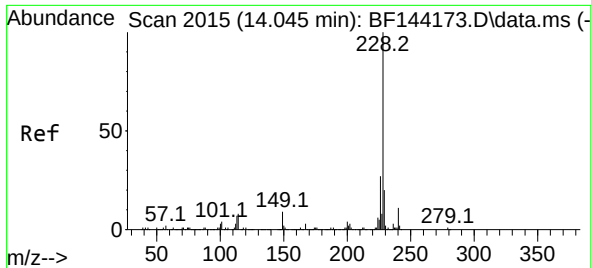
Delta R.T. -0.012 min

Lab File: BF144413.D

Acq: 02 Dec 2025 20:18

Tgt Ion:	149	Resp:	6876
Ion Ratio	Lower	Upper	
149	100		
91	82.4	56.1	84.1
206	28.2	18.8	28.2





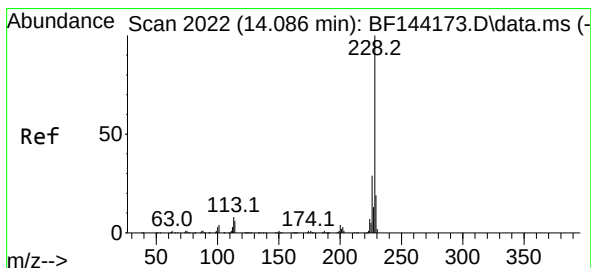
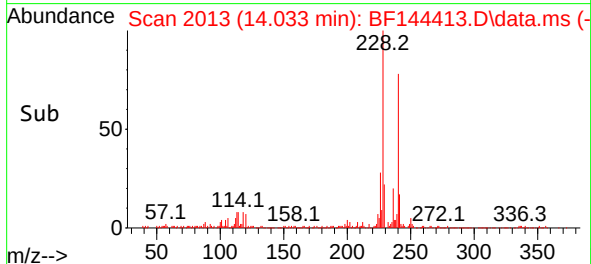
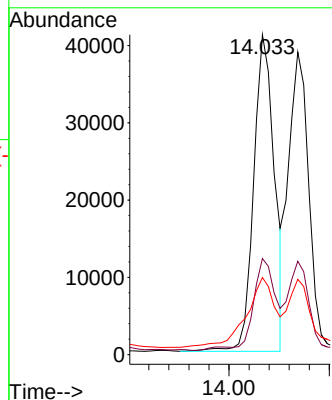
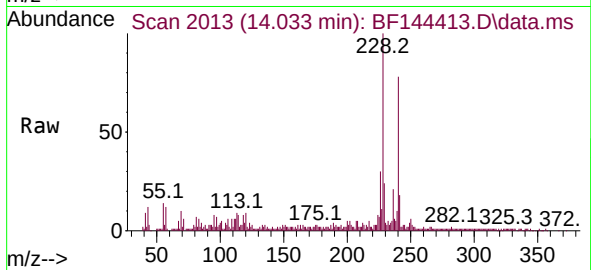
#81
Benzo(a)anthracene
Concen: 8.406 ng
RT: 14.033 min Scan# 2013
Delta R.T. -0.012 min
Lab File: BF144413.D
Acq: 02 Dec 2025 20:18

Instrument :
BNA_F
ClientSampleId :
SB-1125-17A

Tgt Ion:228 Resp: 58962
Ion Ratio Lower Upper
228 100
226 30.0 21.8 32.8
229 24.1 15.8 23.6

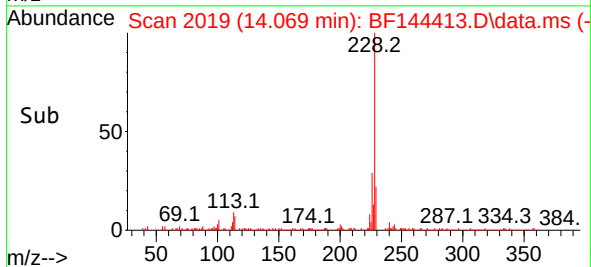
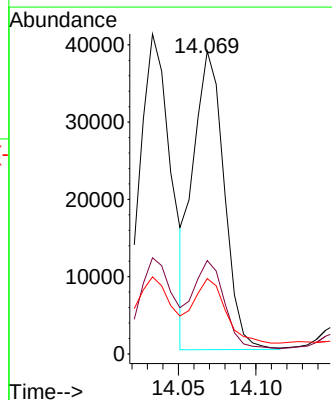
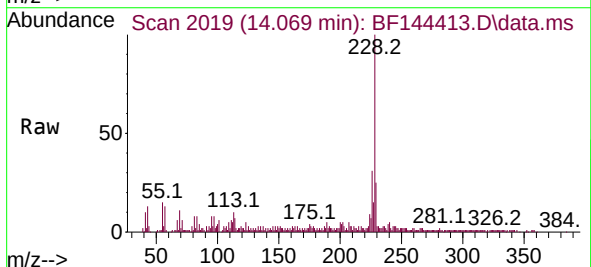
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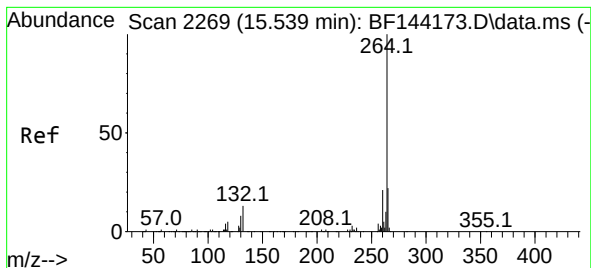
Reviewed By :Jagrut Upadhyay 12/03/2025
Supervised By :Sohil Jodhani 12/03/2025



#83
Chrysene
Concen: 8.331 ng
RT: 14.069 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF144413.D
Acq: 02 Dec 2025 20:18

Tgt Ion:228 Resp: 53954
Ion Ratio Lower Upper
228 100
226 30.9 22.9 34.3
229 24.8 15.0 22.6





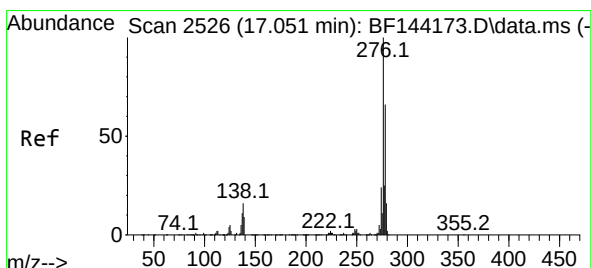
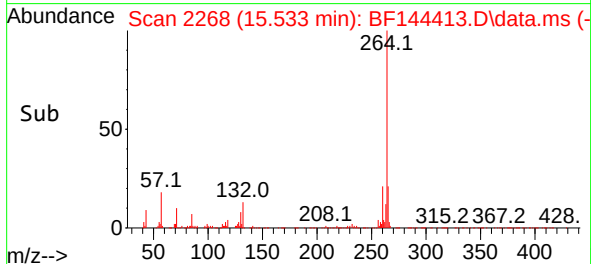
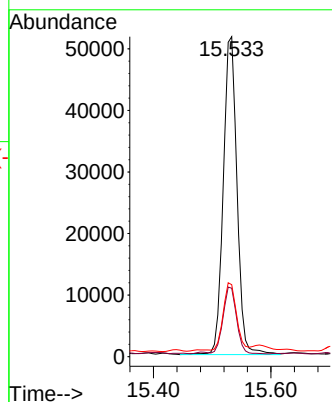
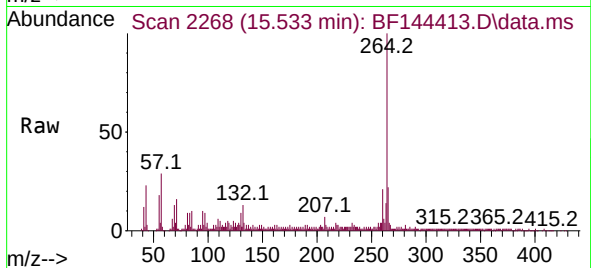
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF144413.D
Acq: 02 Dec 2025 20:18

Instrument :
BNA_F
ClientSampleId :
SB-1125-17A

Tgt Ion:264 Resp: 83845
Ion Ratio Lower Upper
264 100
260 21.4 17.1 25.7
265 22.5 17.4 26.0

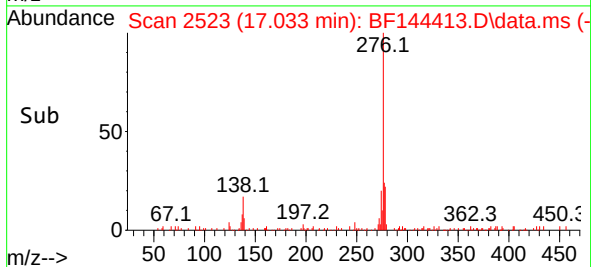
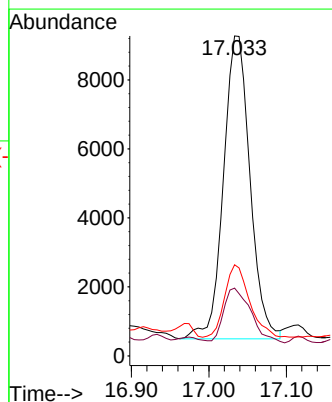
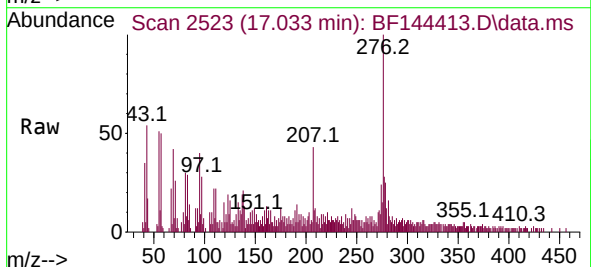
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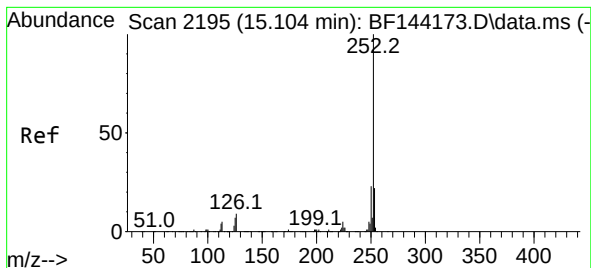
Reviewed By :Jagrut Upadhyay 12/03/2025
Supervised By :Sohil Jodhani 12/03/2025



#87
Indeno(1,2,3-cd)pyrene
Concen: 3.486 ng
RT: 17.033 min Scan# 2523
Delta R.T. -0.000 min
Lab File: BF144413.D
Acq: 02 Dec 2025 20:18

Tgt Ion:276 Resp: 20979
Ion Ratio Lower Upper
276 100
138 18.6 13.9 20.9
277 22.5 19.8 29.6





#88

Benzo(b)fluoranthene

Concen: 10.234 ng m

RT: 15.098 min Scan# 2194

Delta R.T. -0.000 min

Lab File: BF144413.D

Acq: 02 Dec 2025 20:18

Instrument :

BNF

ClientSampleId :

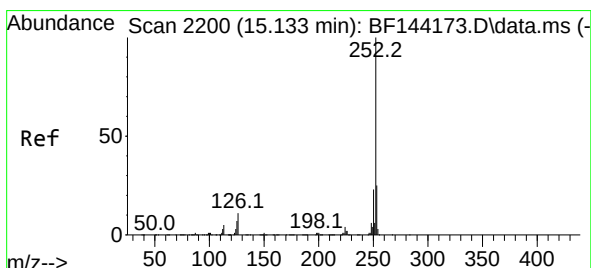
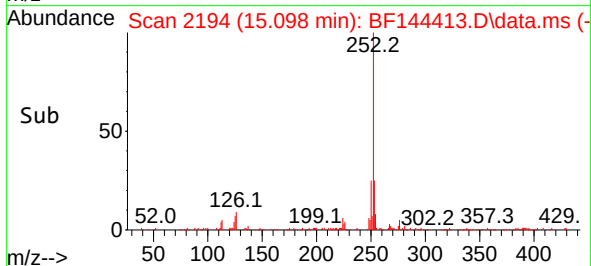
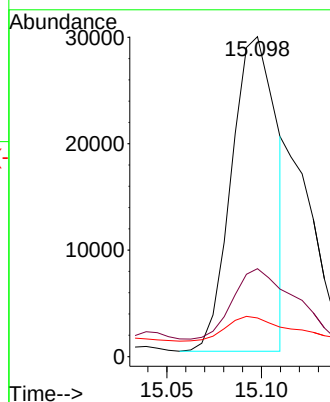
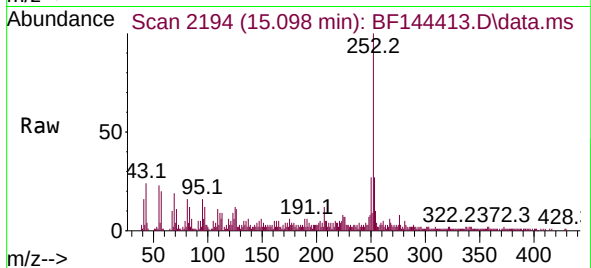
SB-1125-17A

Tgt Ion:252 Resp: 48783
 Ion Ratio Lower Upper
 252 100
 253 27.5 17.4 26.2#
 125 12.1 5.3 7.9#

Manual Integrations

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Reviewed By :Jagrut Upadhyay 12/03/2025
 Supervised By :Sohil Jodhani 12/03/2025



#89

Benzo(k)fluoranthene

Concen: 4.581 ng m

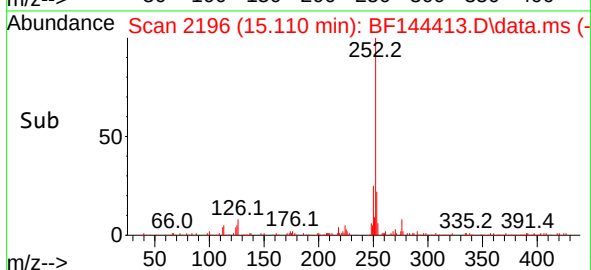
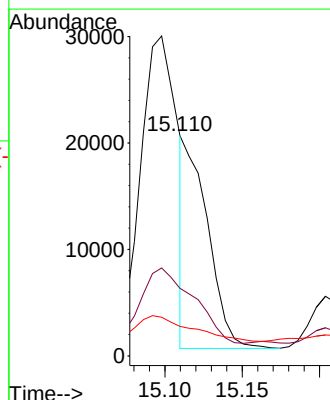
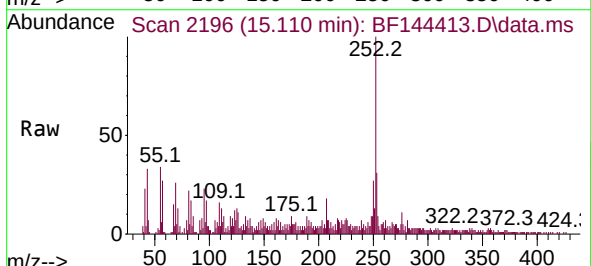
RT: 15.110 min Scan# 2196

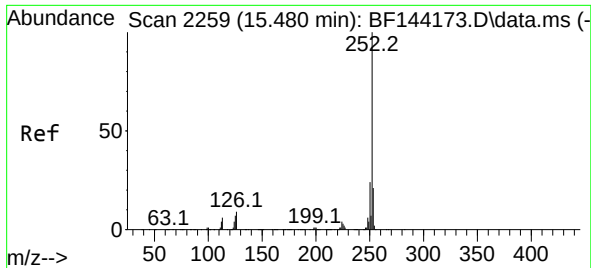
Delta R.T. -0.018 min

Lab File: BF144413.D

Acq: 02 Dec 2025 20:18

Tgt Ion:252 Resp: 20440
 Ion Ratio Lower Upper
 252 100
 253 30.7 18.0 27.0#
 125 13.4 5.4 8.2#





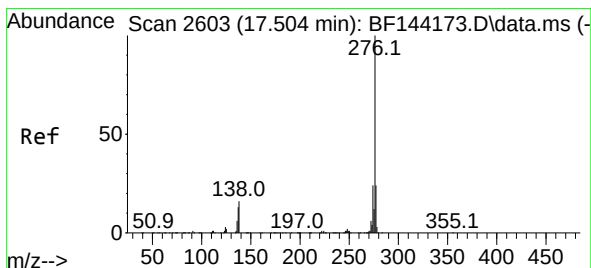
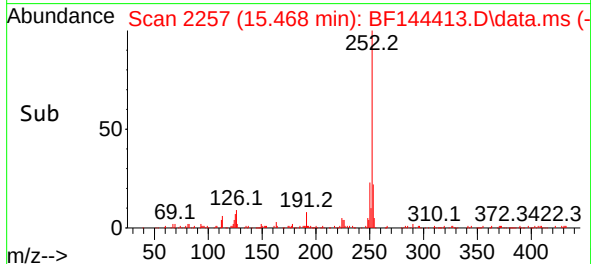
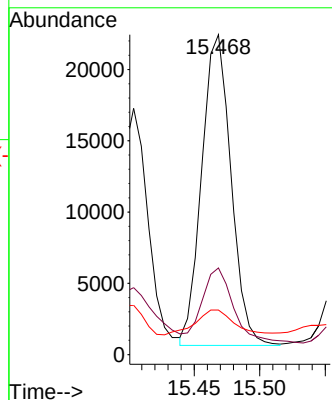
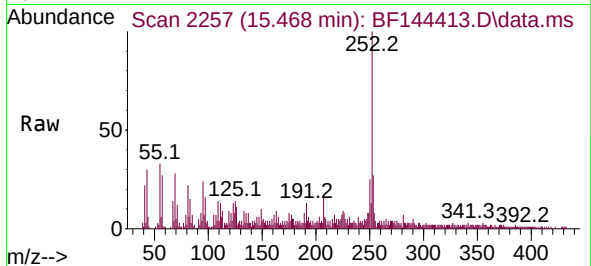
#90
Benzo(a)pyrene
Concen: 7.710 ng
RT: 15.468 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF144413.D
Acq: 02 Dec 2025 20:18

Instrument :
BNA_F
ClientSampleId :
SB-1125-17A

Tgt Ion:252 Resp: 33904
Ion Ratio Lower Upper
252 100
253 27.1 16.7 25.1
125 13.9 5.7 8.5

Manual Integrations
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Reviewed By :Jagrut Upadhyay 12/03/2025
Supervised By :Sohil Jodhani 12/03/2025



#92
Benzo(g,h,i)perylene
Concen: 4.190 ng
RT: 17.498 min Scan# 2602
Delta R.T. 0.006 min
Lab File: BF144413.D
Acq: 02 Dec 2025 20:18

Tgt Ion:276 Resp: 20002
Ion Ratio Lower Upper
276 100
277 27.1 19.0 28.4
138 19.7 12.9 19.3

