

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120225\
 Data File : BF144402.D
 Acq On : 02 Dec 2025 14:51
 Operator : RC/JU
 Sample : Q3742-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1125-8

Manual Integrations
 APPROVED

Reviewed By :Jagrut
 Upadhyay
 12/03/2025

Supervised By :Sohil
 Jodhani
 12/03/2025

Quant Time: Dec 02 15:15:34 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	46949	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	165065	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	83893	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	127031	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	124335	20.000	ng	0.00
86) Perylene-d12	15.527	264	159293	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	246485	82.157	ng	0.00
7) Phenol-d6	6.498	99	273439	80.436	ng	0.00
23) Nitrobenzene-d5	7.422	82	171238	59.915	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	76721	72.876	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	352565	62.069	ng	-0.01
79) Terphenyl-d14	12.980	244	333153	42.561	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.416	77	9243	4.815	ng	# 86
31) Naphthalene	8.163	128	85021	10.828	ng	100
32) Benzoic acid	7.951	122	4712m	2.792	ng	
37) 2-Methylnaphthalene	8.857	142	71672	13.652	ng	99
38) 1-Methylnaphthalene	8.957	142	59446	11.736	ng	99
55) Dibenzofuran	10.104	168	21840	3.426	ng	# 94
71) Phenanthrene	11.416	178	82353	13.021	ng	98
74) Di-n-butylphthalate	11.951	149	69939	10.579	ng	99
75) Fluoranthene	12.610	202	90795	13.897	ng	98
78) Pyrene	12.839	202	83474	8.327	ng	98
81) Benzo(a)anthracene	14.033	228	55583m	6.450	ng	
83) Chrysene	14.068	228	53306	6.701	ng	# 94
84) Bis(2-ethylhexyl)phtha...	14.010	149	10557	2.220	ng	# 98
87) Indeno(1,2,3-cd)pyrene	17.027	276	27017	2.363	ng	97
88) Benzo(b)fluoranthene	15.092	252	78439m	8.661	ng	
89) Benzo(k)fluoranthene	15.110	252	25227m	2.976	ng	
90) Benzo(a)pyrene	15.462	252	51792	6.199	ng	# 92
92) Benzo(g,h,i)perylene	17.480	276	25093	2.767	ng	# 95

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

```
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120225\  
Data File : BF144402.D  
Acq On    : 02 Dec 2025  14:51  
Operator  : RC/JU  
Sample    : Q3742-03  
Misc      :  
ALS Vial  : 6    Sample Multiplier: 1
```

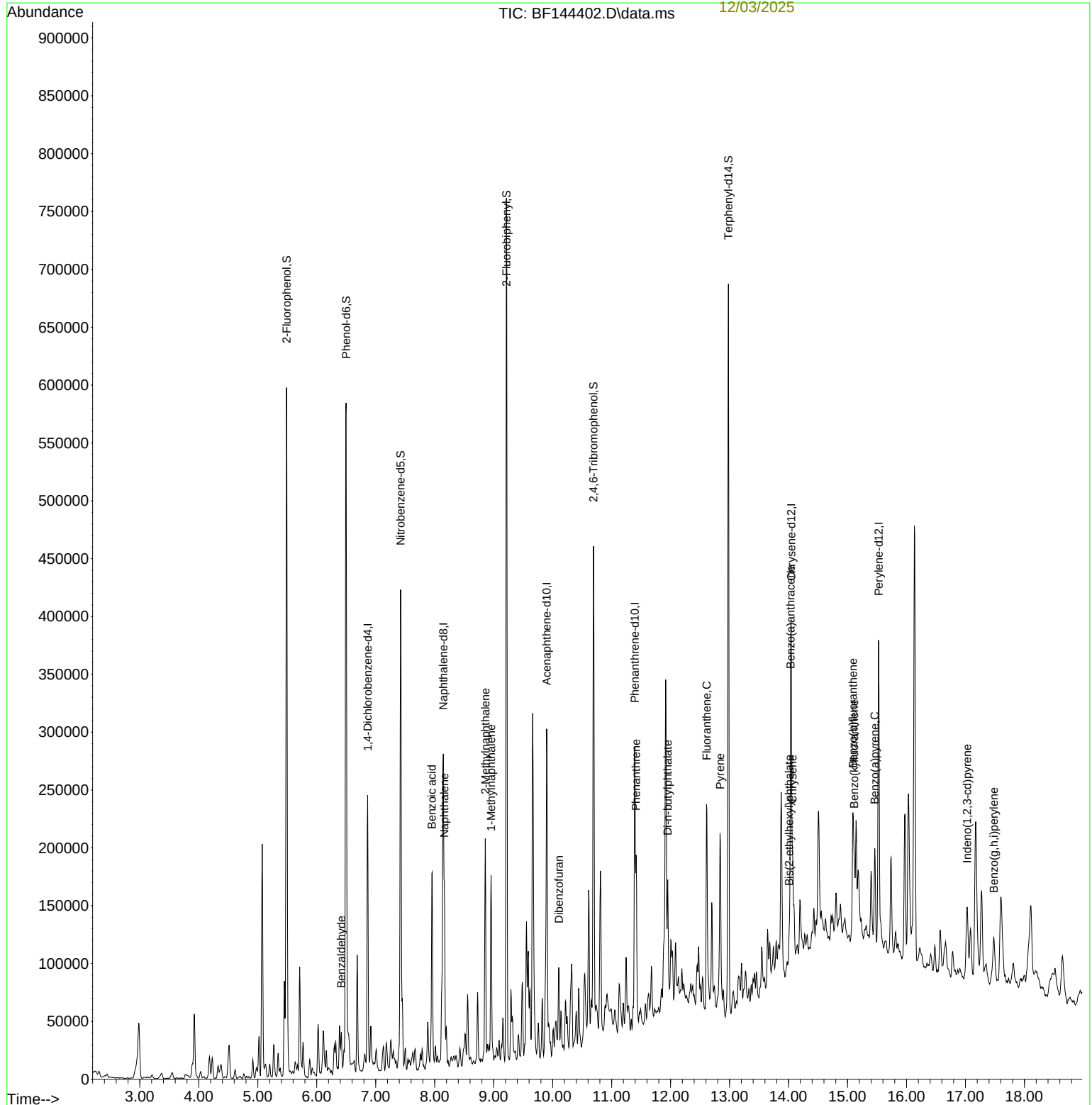
Instrument :
BNA_F
ClientSampleId :
SB-1125-8

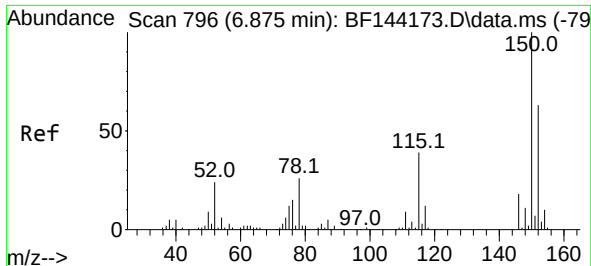
Quant Time: Dec 02 15:15:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut
Upadhyay
12/03/2025

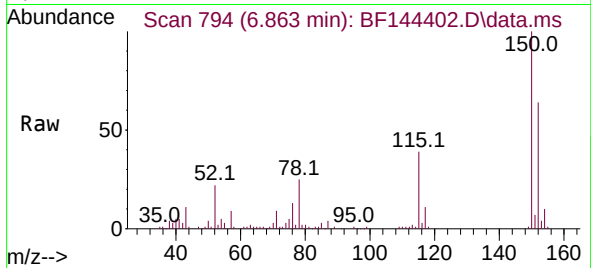
Supervised By :Sohil
Jodhani
12/03/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF144402.D
Acq: 02 Dec 2025 14:51

Instrument :
BNA_F
ClientSampleId :
SB-1125-8

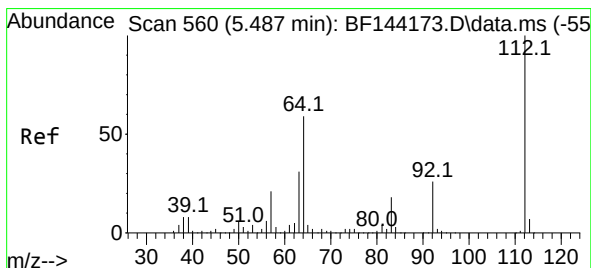
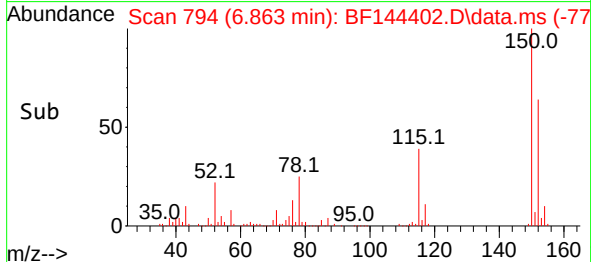
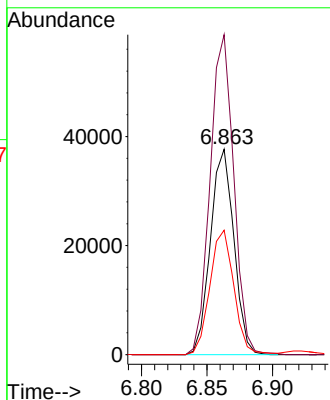


Tgt Ion:152 Resp: 46949
Ion Ratio Lower Upper
152 100
150 155.8 127.4 191.0
115 60.6 49.5 74.3

Manual Integrations
APPROVED

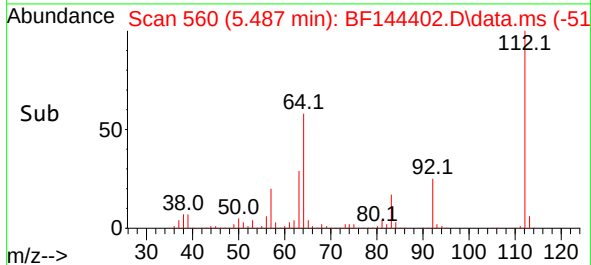
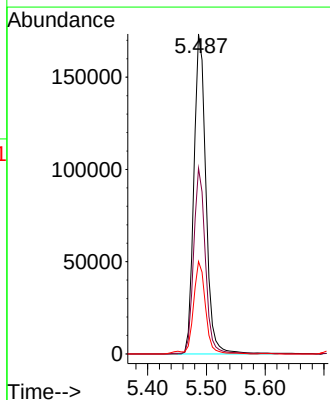
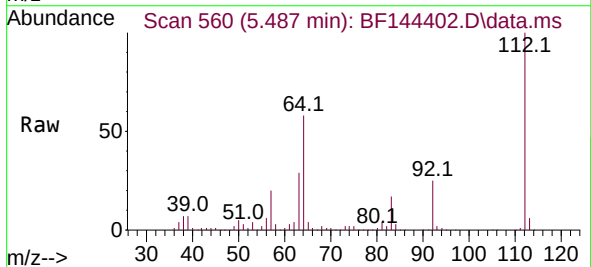
Reviewed By :Jagrut
Upadhyay
12/03/2025

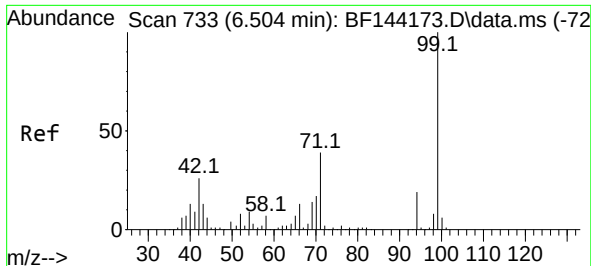
Supervised By :Sohil
Jodhani
12/03/2025



#5
2-Fluorophenol
Concen: 82.157 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.006 min
Lab File: BF144402.D
Acq: 02 Dec 2025 14:51

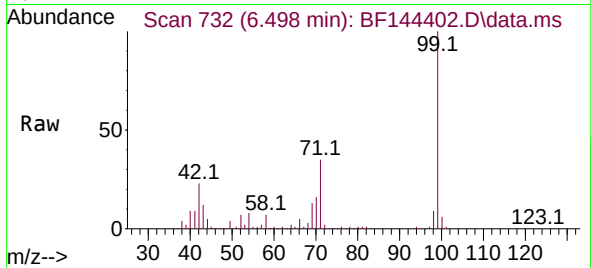
Tgt Ion:112 Resp: 246485
Ion Ratio Lower Upper
112 100
64 58.0 47.2 70.8
63 28.9 24.4 36.6





#7
Phenol-d6
Concen: 80.436 ng
RT: 6.498 min Scan# 733
Delta R.T. -0.000 min
Lab File: BF144402.D
Acq: 02 Dec 2025 14:51

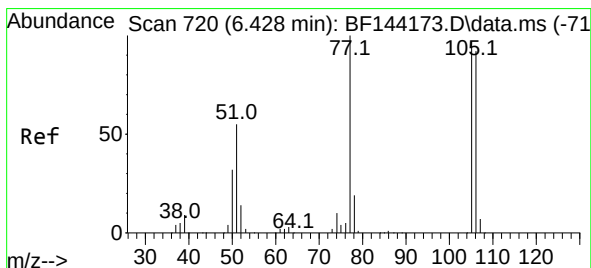
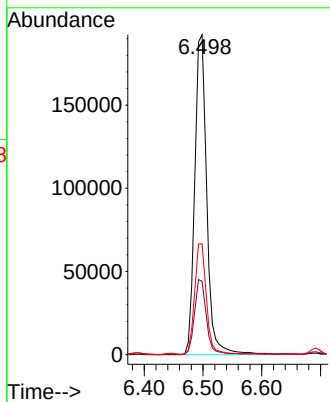
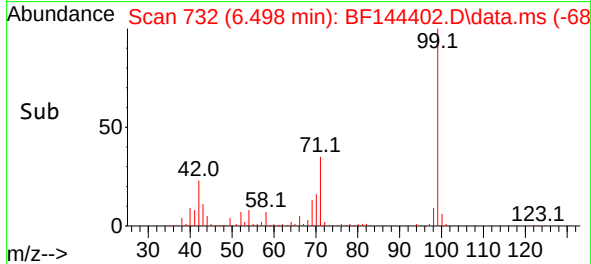
Instrument :
BNA_F
ClientSampleId :
SB-1125-8



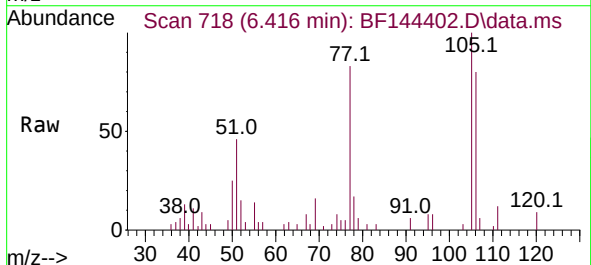
Tgt Ion: 99 Resp: 273439
Ion Ratio Lower Upper
99 100
42 23.0 20.9 31.3
71 34.6 31.4 47.2

Manual Integrations
APPROVED

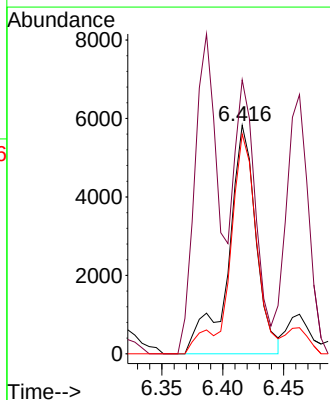
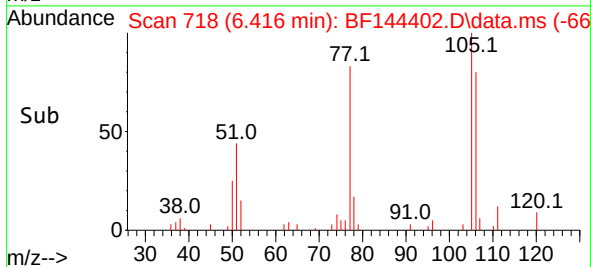
Reviewed By :Jagrut
Upadhyay
12/03/2025
Supervised By :Sohil
Jodhani
12/03/2025

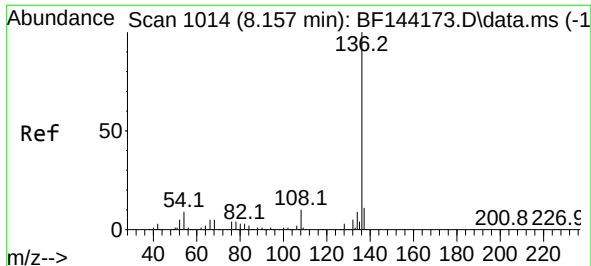


#9
Benzaldehyde
Concen: 4.815 ng
RT: 6.416 min Scan# 718
Delta R.T. -0.012 min
Lab File: BF144402.D
Acq: 02 Dec 2025 14:51



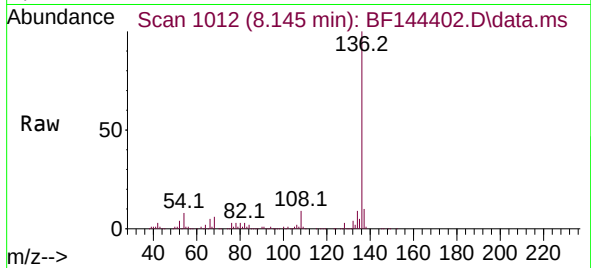
Tgt Ion: 77 Resp: 9243
Ion Ratio Lower Upper
77 100
105 119.9 77.2 117.2#
106 96.1 72.2 112.2





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF144402.D
Acq: 02 Dec 2025 14:51

Instrument :
BNA_F
ClientSampleId :
SB-1125-8

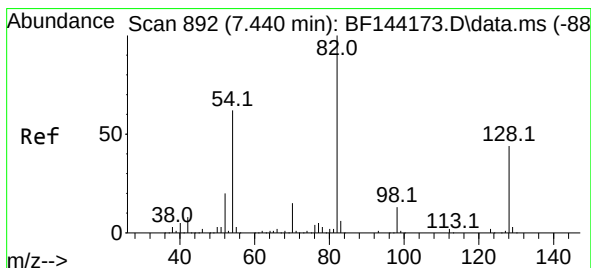
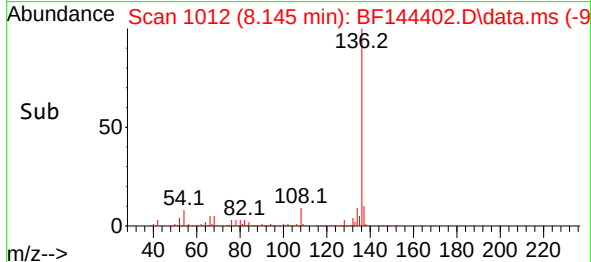
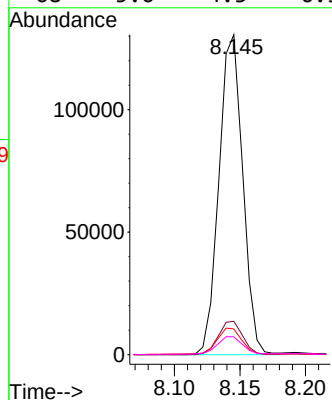


Tgt Ion:136 Resp: 165065
Ion Ratio Lower Upper
136 100
137 10.4 8.6 13.0
54 8.0 7.0 10.6
68 5.6 4.3 6.5

Manual Integrations
APPROVED

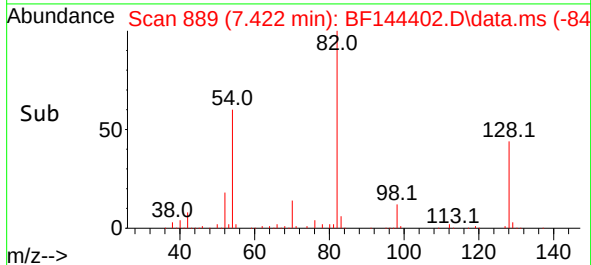
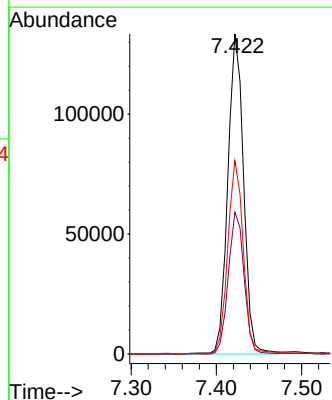
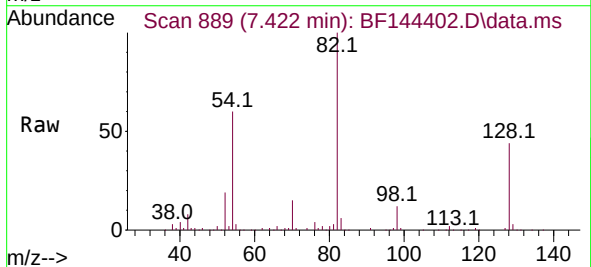
Reviewed By :Jagrut
Upadhyay
12/03/2025

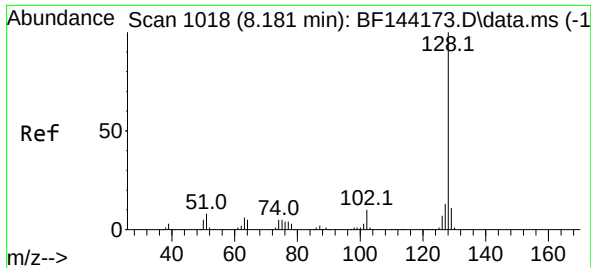
Supervised By :Sohil
Jodhani
12/03/2025



#23
Nitrobenzene-d5
Concen: 59.915 ng
RT: 7.422 min Scan# 889
Delta R.T. -0.012 min
Lab File: BF144402.D
Acq: 02 Dec 2025 14:51

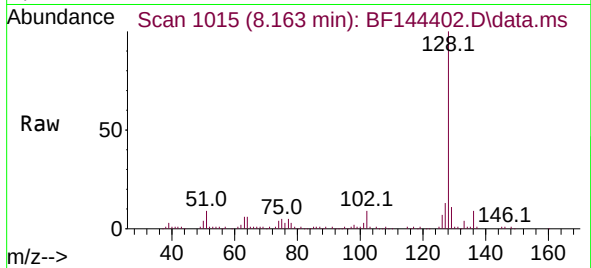
Tgt Ion: 82 Resp: 171238
Ion Ratio Lower Upper
82 100
128 44.3 34.7 52.1
54 60.4 49.5 74.3





#31
Naphthalene
Concen: 10.828 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF144402.D
Acq: 02 Dec 2025 14:51

Instrument :
BNA_F
ClientSampleId :
SB-1125-8

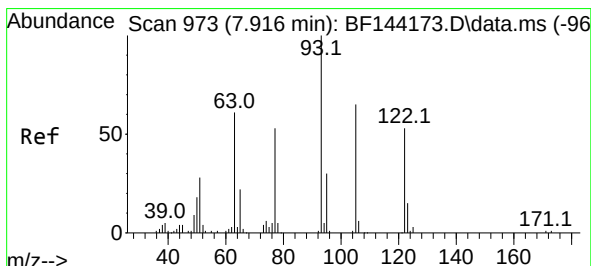
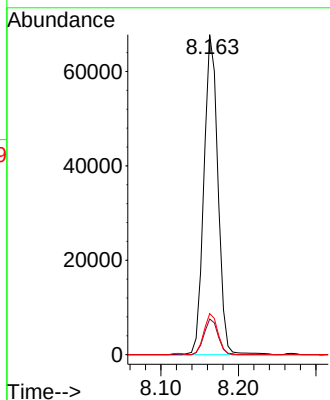
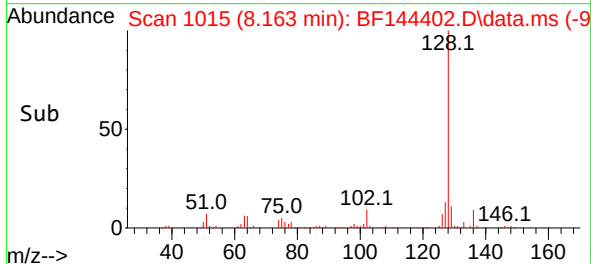


Tgt Ion:128 Resp: 8502
Ion Ratio Lower Upper
128 100
129 11.1 8.9 13.3
127 12.8 10.3 15.5

Manual Integrations
APPROVED

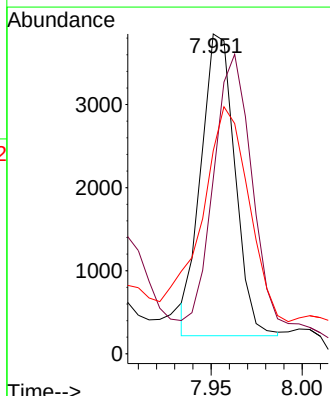
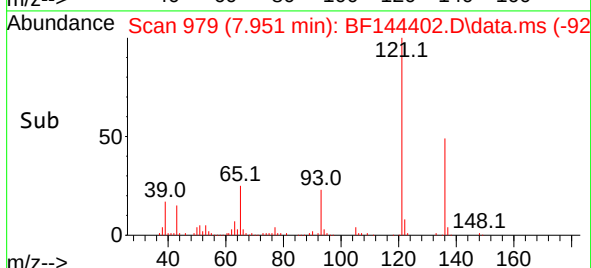
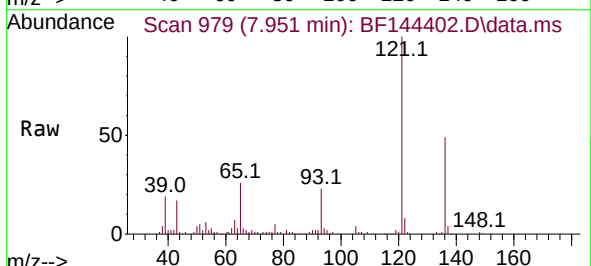
Reviewed By :Jagrut
Upadhyay
12/03/2025

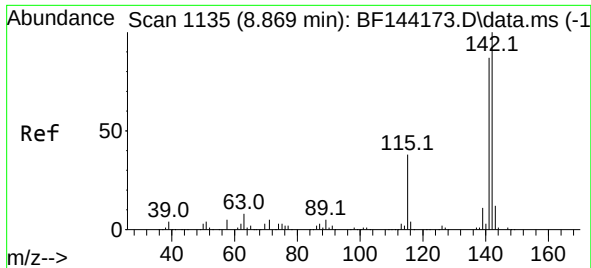
Supervised By :Sohil
Jodhani
12/03/2025



#32
Benzoic acid
Concen: 2.792 ng m
RT: 7.951 min Scan# 979
Delta R.T. 0.000 min
Lab File: BF144402.D
Acq: 02 Dec 2025 14:51

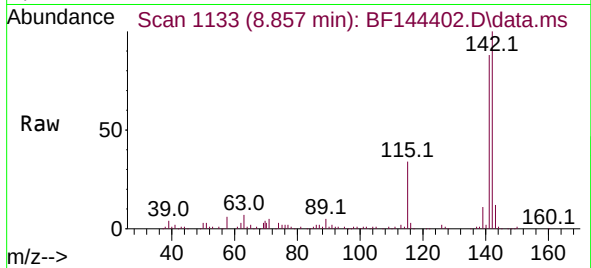
Tgt Ion:122 Resp: 4712
Ion Ratio Lower Upper
122 100
105 54.7 99.9 139.9#
77 63.5 77.5 117.5#





#37
2-Methylnaphthalene
Concen: 13.652 ng
RT: 8.857 min Scan# 1110
Delta R.T. -0.012 min
Lab File: BF144402.D
Acq: 02 Dec 2025 14:51

Instrument :
BNA_F
ClientSampleId :
SB-1125-8

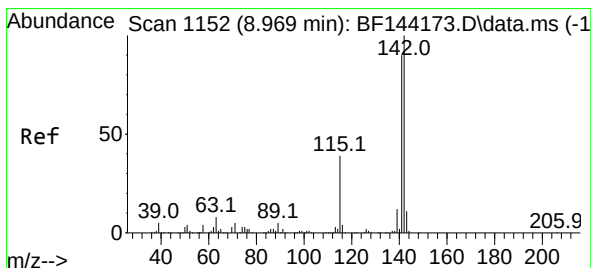
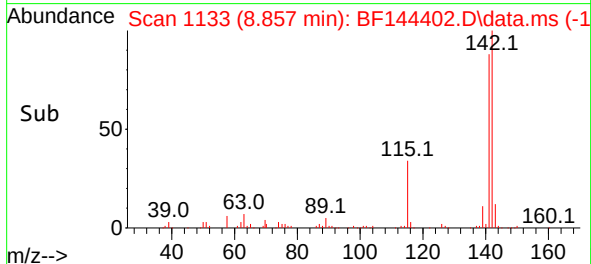
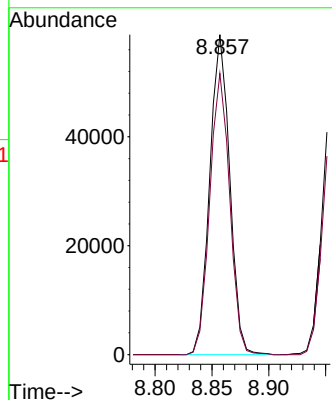


Tgt Ion:142 Resp: 71672
Ion Ratio Lower Upper
142 100
141 87.9 69.9 104.9

Manual Integrations
APPROVED

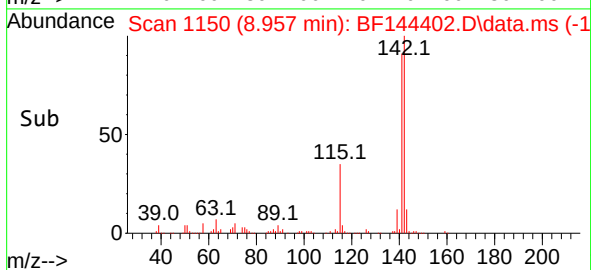
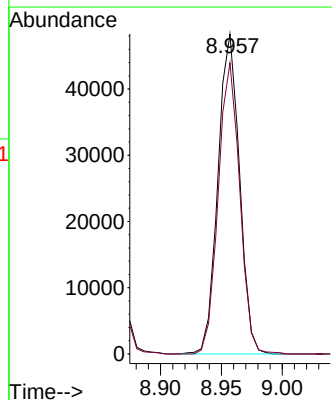
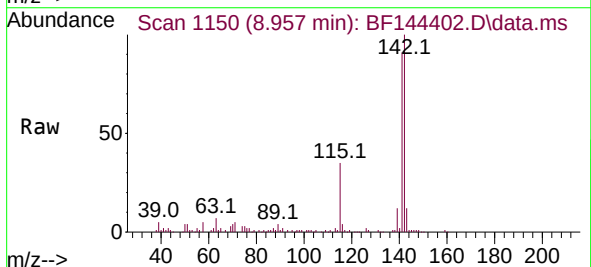
Reviewed By :Jagrut
Upadhyay
12/03/2025

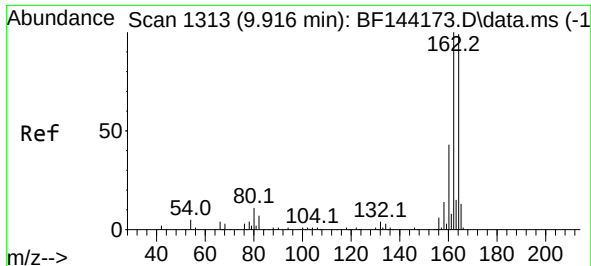
Supervised By :Sohil
Jodhani
12/03/2025



#38
1-Methylnaphthalene
Concen: 11.736 ng
RT: 8.957 min Scan# 1150
Delta R.T. -0.012 min
Lab File: BF144402.D
Acq: 02 Dec 2025 14:51

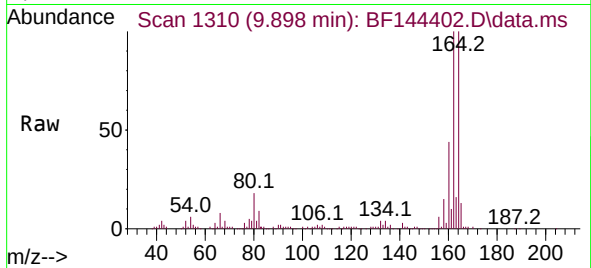
Tgt Ion:142 Resp: 59446
Ion Ratio Lower Upper
142 100
141 90.9 72.1 108.1





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1313
Delta R.T. -0.018 min
Lab File: BF144402.D
Acq: 02 Dec 2025 14:51

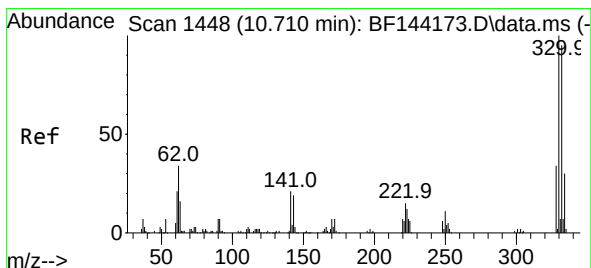
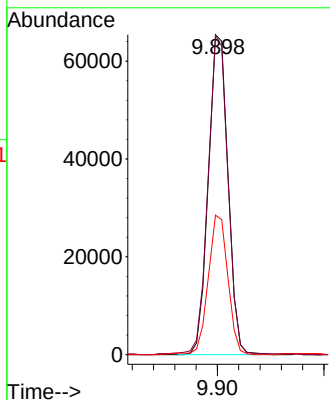
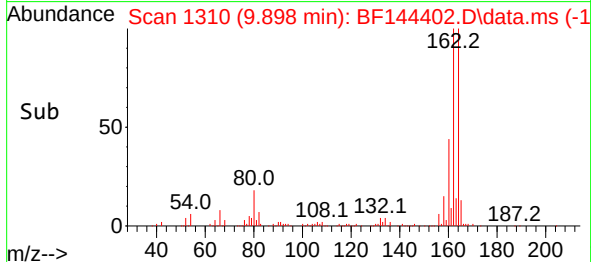
Instrument :
BNA_F
ClientSampleId :
SB-1125-8



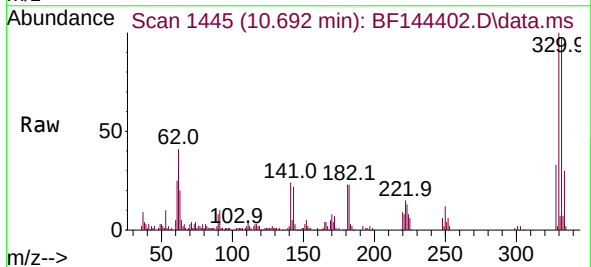
Tgt Ion:164 Resp: 83893
Ion Ratio Lower Upper
164 100
162 99.7 81.1 121.7
160 43.6 34.5 51.7

Manual Integrations
APPROVED

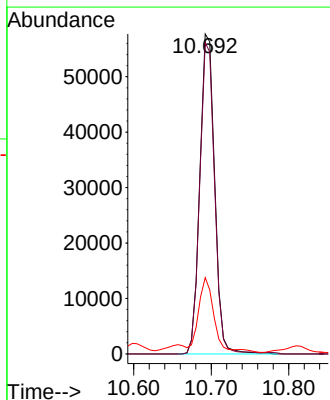
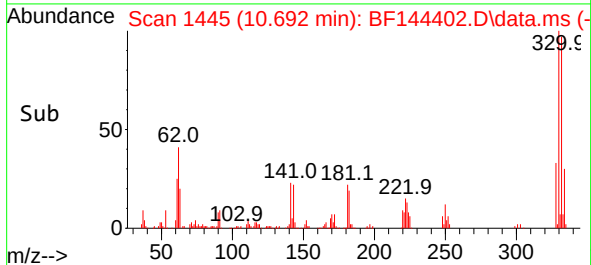
Reviewed By :Jagrut
Upadhyay
12/03/2025
Supervised By :Sohil
Jodhani
12/03/2025

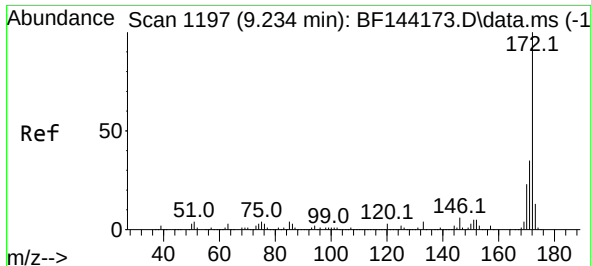


#42
2,4,6-Tribromophenol
Concen: 72.876 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF144402.D
Acq: 02 Dec 2025 14:51



Tgt Ion:330 Resp: 76721
Ion Ratio Lower Upper
330 100
332 96.7 76.7 115.1
141 24.5 17.8 26.8





#45

2-Fluorobiphenyl

Concen: 62.069 ng

RT: 9.216 min Scan# 1194

Delta R.T. -0.012 min

Lab File: BF144402.D

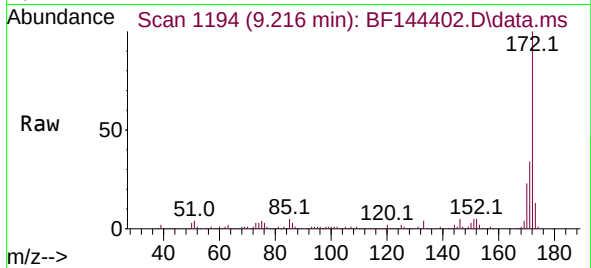
Acq: 02 Dec 2025 14:51

Instrument :

BNA_F

ClientSampleId :

SB-1125-8



Tgt Ion:172 Resp: 35256

Ion	Ratio	Lower	Upper
172	100		
171	34.2	28.1	42.1
170	22.6	18.6	28.0

Manual Integrations
APPROVED

Reviewed By :Jagrut

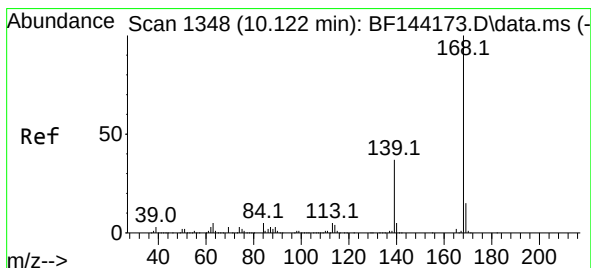
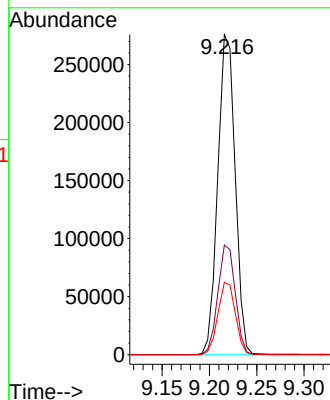
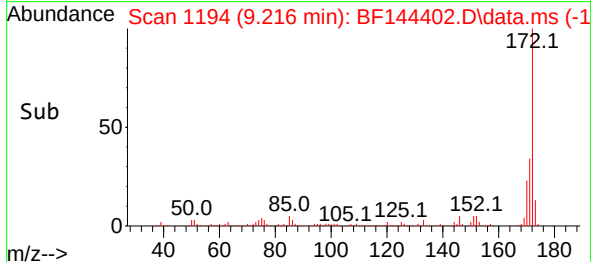
Upadhyay

12/03/2025

Supervised By :Sohil

Jodhani

12/03/2025



#55

Dibenzofuran

Concen: 3.426 ng

RT: 10.104 min Scan# 1345

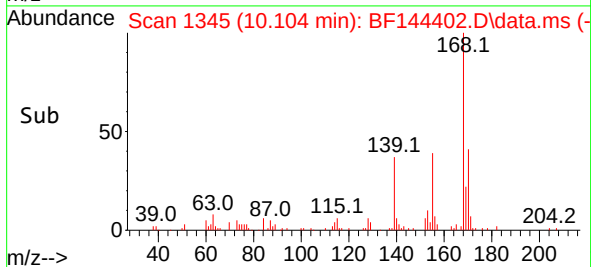
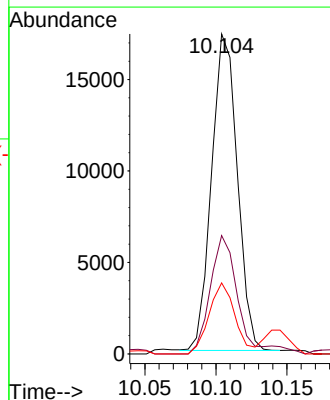
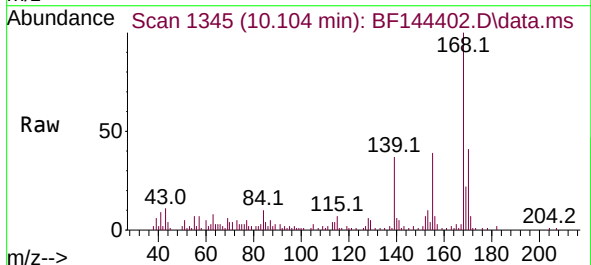
Delta R.T. -0.012 min

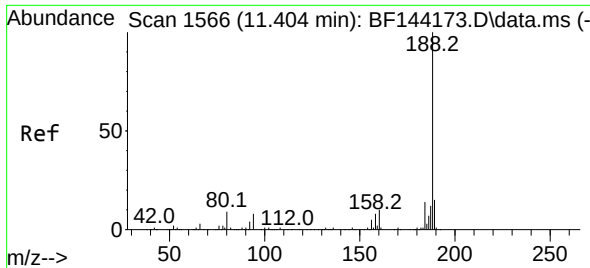
Lab File: BF144402.D

Acq: 02 Dec 2025 14:51

Tgt Ion:168 Resp: 21840

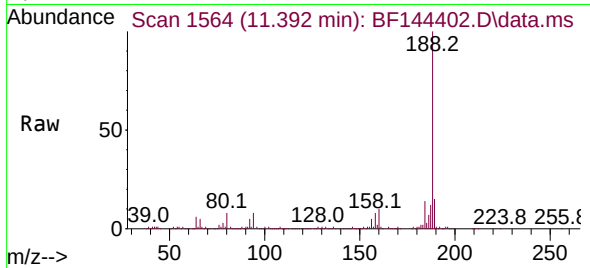
Ion	Ratio	Lower	Upper
168	100		
139	37.0	30.2	45.2
169	22.2	12.2	18.4





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1564
Delta R.T. -0.012 min
Lab File: BF144402.D
Acq: 02 Dec 2025 14:51

Instrument :
BNA_F
ClientSampleId :
SB-1125-8

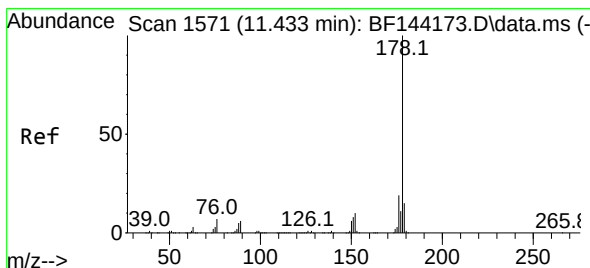
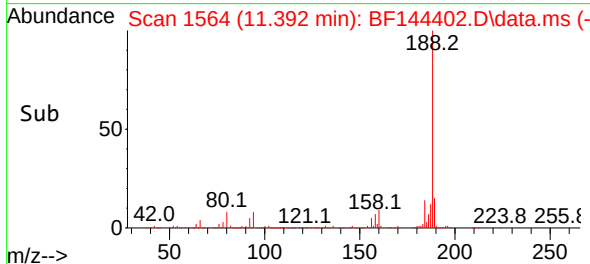
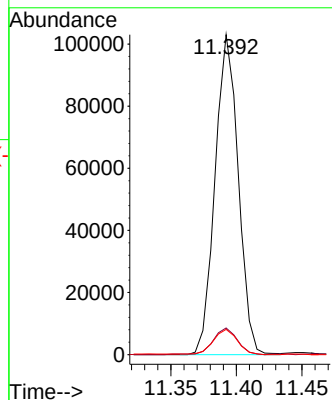


Tgt Ion:188 Resp: 127033
Ion Ratio Lower Upper
188 100
94 8.3 6.2 9.2
80 7.9 6.9 10.3

Manual Integrations
APPROVED

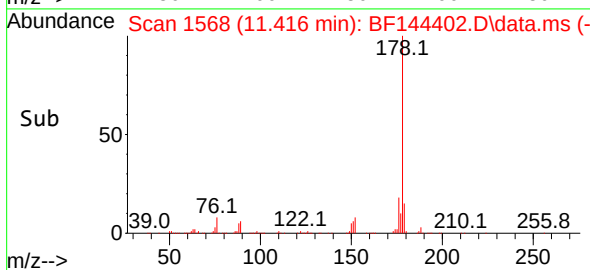
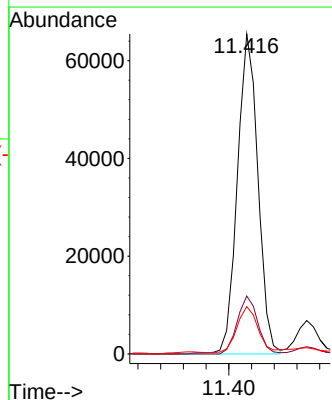
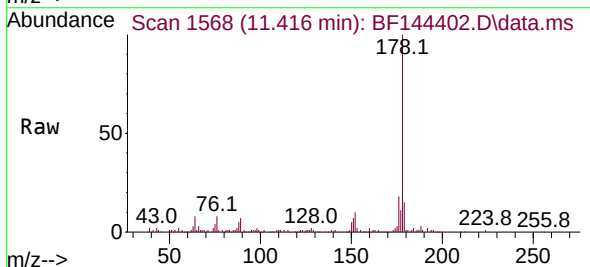
Reviewed By :Jagrut
Upadhyay
12/03/2025

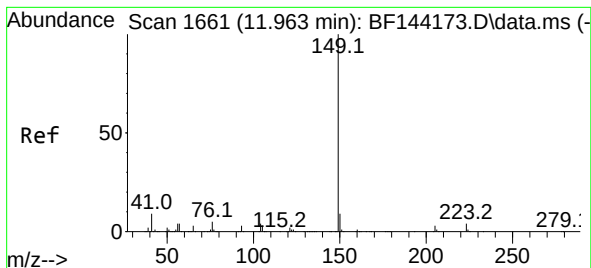
Supervised By :Sohil
Jodhani
12/03/2025



#71
Phenanthrene
Concen: 13.021 ng
RT: 11.416 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF144402.D
Acq: 02 Dec 2025 14:51

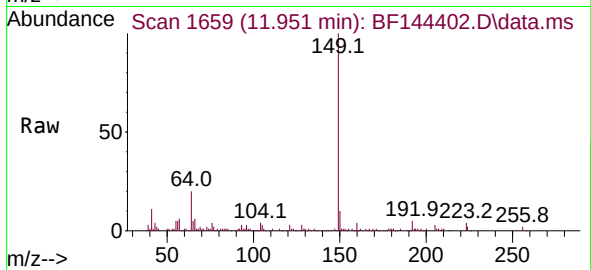
Tgt Ion:178 Resp: 82353
Ion Ratio Lower Upper
178 100
176 18.1 15.5 23.3
179 14.8 12.2 18.4





#74
Di-n-butylphthalate
Concen: 10.579 ng
RT: 11.951 min Scan# 1659
Delta R.T. -0.012 min
Lab File: BF144402.D
Acq: 02 Dec 2025 14:51

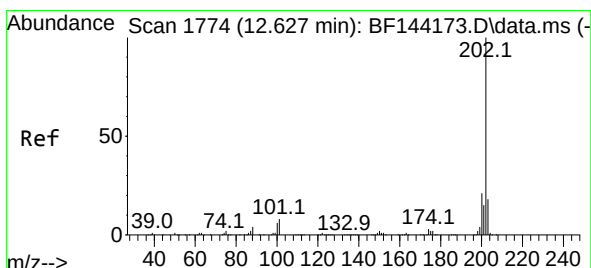
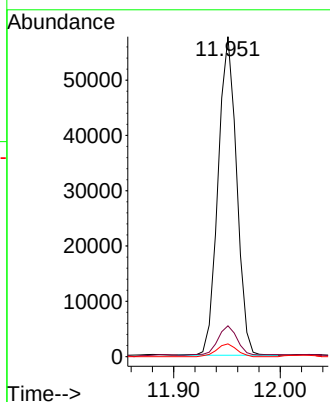
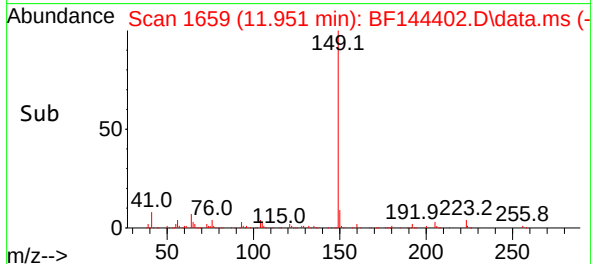
Instrument :
BNA_F
ClientSampleId :
SB-1125-8



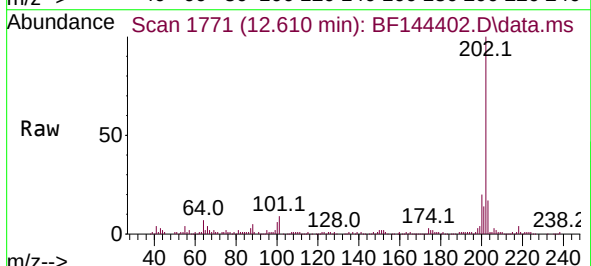
Tgt Ion:149 Resp: 69939
Ion Ratio Lower Upper
149 100
150 9.7 7.4 11.0
104 4.0 3.4 5.2

Manual Integrations
APPROVED

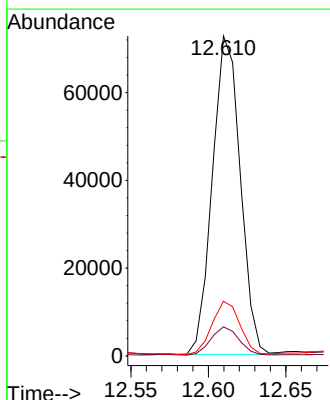
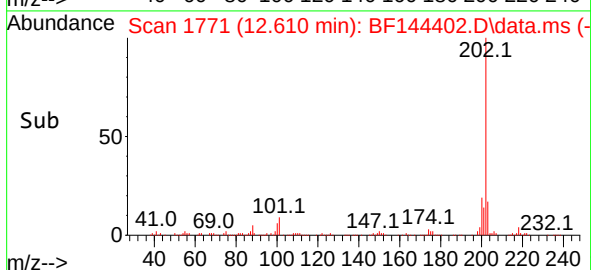
Reviewed By :Jagrut
Upadhyay
12/03/2025
Supervised By :Sohil
Jodhani
12/03/2025

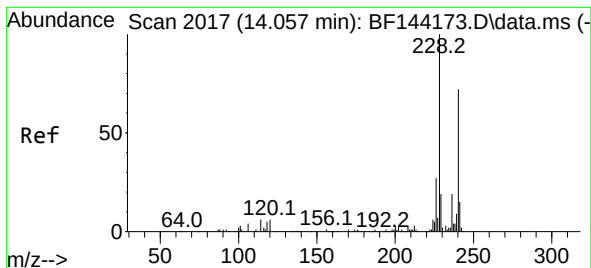


#75
Fluoranthene
Concen: 13.897 ng
RT: 12.610 min Scan# 1771
Delta R.T. -0.012 min
Lab File: BF144402.D
Acq: 02 Dec 2025 14:51



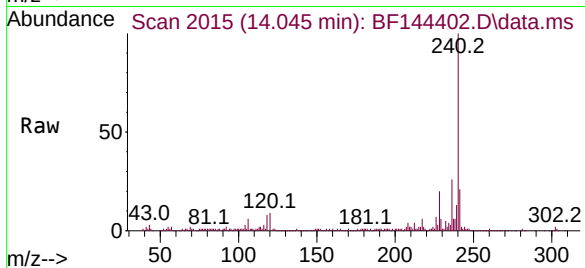
Tgt Ion:202 Resp: 90795
Ion Ratio Lower Upper
202 100
101 9.1 0.0 27.9
203 17.1 0.0 37.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF144402.D
Acq: 02 Dec 2025 14:51

Instrument :
BNA_F
ClientSampleId :
SB-1125-8

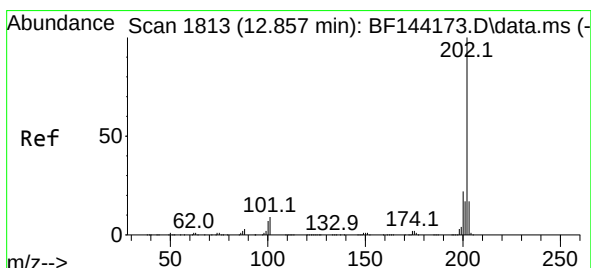
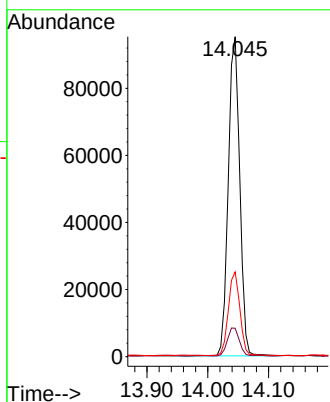
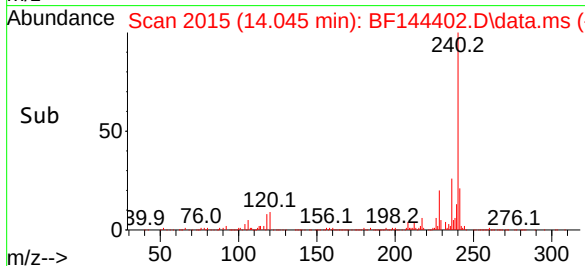


Tgt Ion:240 Resp: 124335
Ion Ratio Lower Upper
240 100
120 8.9 6.6 10.0
236 26.5 21.4 32.2

Manual Integrations
APPROVED

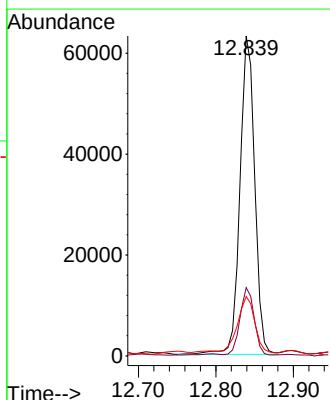
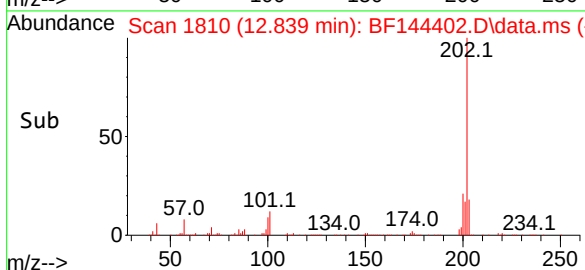
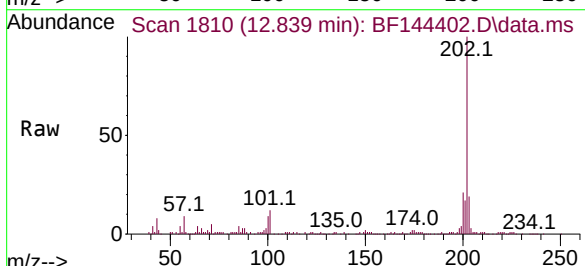
Reviewed By :Jagrut
Upadhyay
12/03/2025

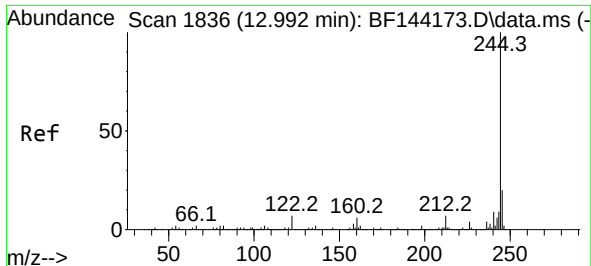
Supervised By :Sohil
Jodhani
12/03/2025



#78
Pyrene
Concen: 8.327 ng
RT: 12.839 min Scan# 1810
Delta R.T. -0.012 min
Lab File: BF144402.D
Acq: 02 Dec 2025 14:51

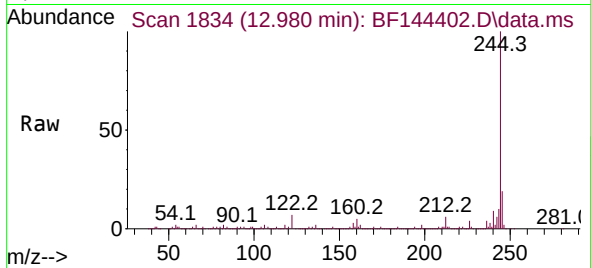
Tgt Ion:202 Resp: 83474
Ion Ratio Lower Upper
202 100
200 21.3 17.2 25.8
203 18.5 13.7 20.5





#79
Terphenyl-d14
Concen: 42.561 ng
RT: 12.980 min Scan# 1836
Delta R.T. -0.012 min
Lab File: BF144402.D
Acq: 02 Dec 2025 14:51

Instrument :
BNA_F
ClientSampleId :
SB-1125-8

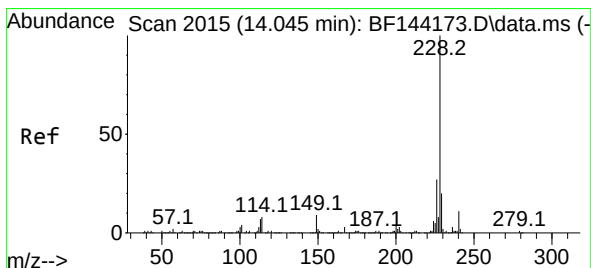
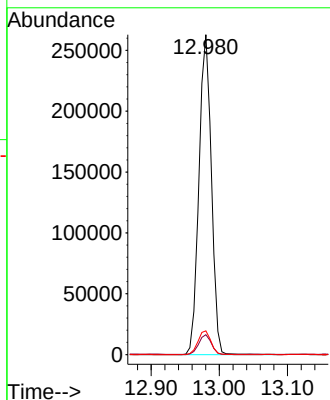
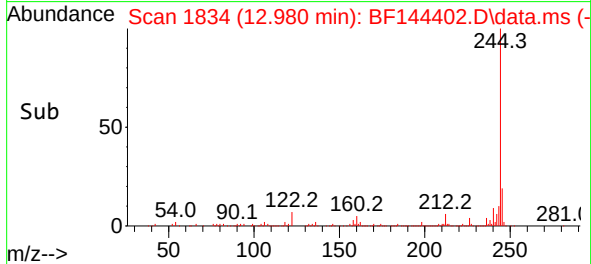


Tgt Ion:244 Resp: 333153
Ion Ratio Lower Upper
244 100
212 6.2 5.3 7.9
122 7.4 5.6 8.4

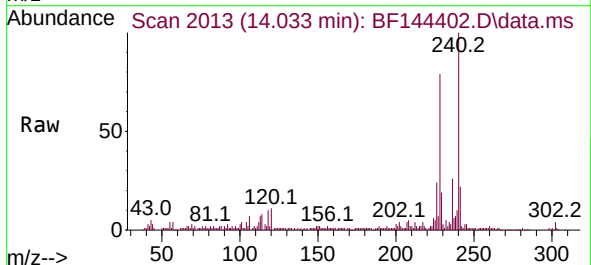
Manual Integrations
APPROVED

Reviewed By :Jagrut
Upadhyay
12/03/2025

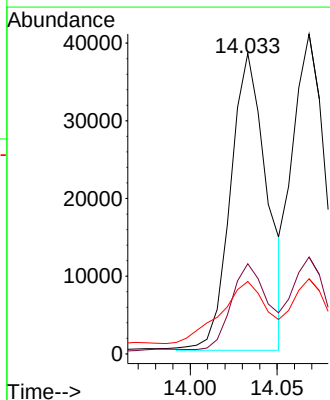
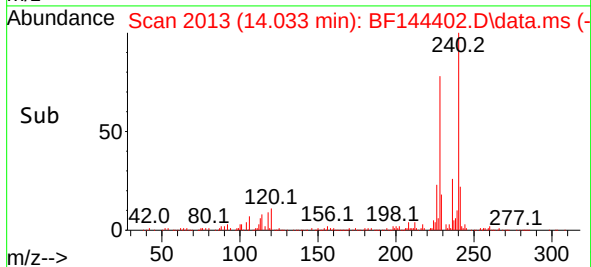
Supervised By :Sohil
Jodhani
12/03/2025

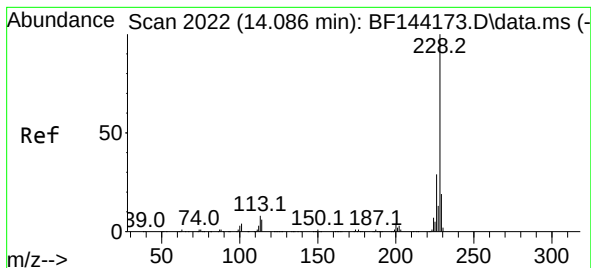


#81
Benzo(a)anthracene
Concen: 6.450 ng m
RT: 14.033 min Scan# 2013
Delta R.T. -0.012 min
Lab File: BF144402.D
Acq: 02 Dec 2025 14:51



Tgt Ion:228 Resp: 55583
Ion Ratio Lower Upper
228 100
226 30.0 21.8 32.8
229 24.1 15.8 23.6#





#83

Chrysene

Concen: 6.701 ng

RT: 14.068 min Scan# 2009

Delta R.T. -0.012 min

Lab File: BF144402.D

Acq: 02 Dec 2025 14:51

Instrument :

BNA_F

ClientSampleId :

SB-1125-8

Tgt Ion:228	Resp:	53306
Ion Ratio	Lower	Upper
228	100	
226	30.3	22.9 34.3
229	23.5	15.0 22.6

Manual Integrations

APPROVED

Reviewed By :Jagrut

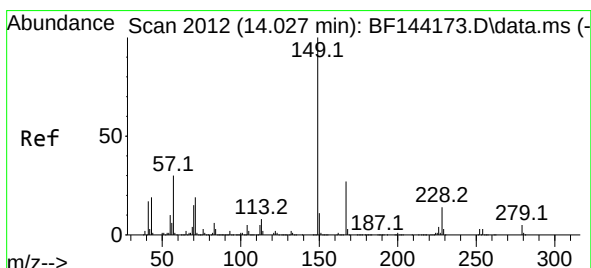
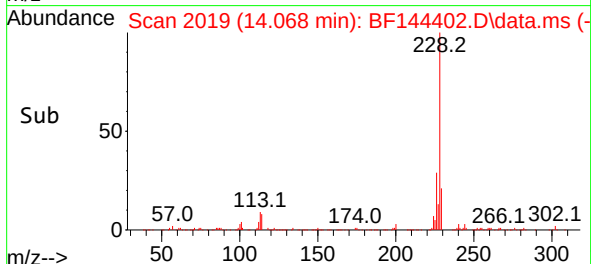
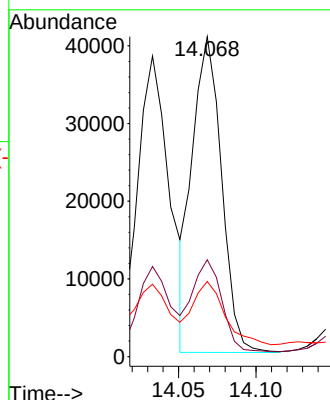
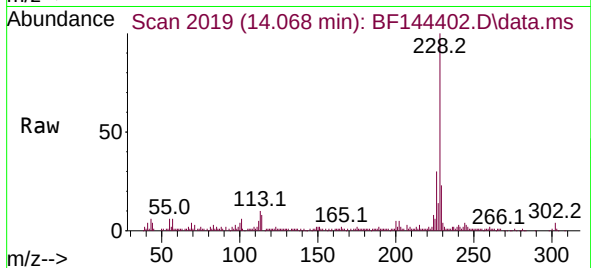
Upadhyay

12/03/2025

Supervised By :Sohil

Jodhani

12/03/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.220 ng

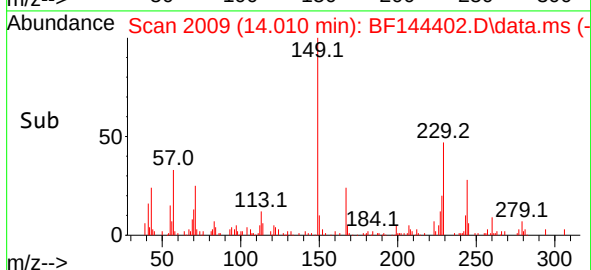
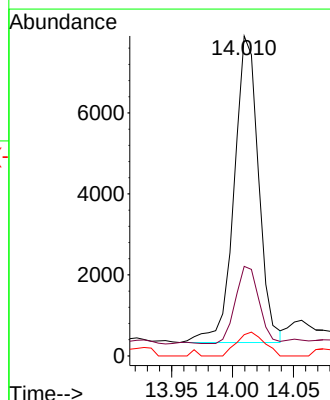
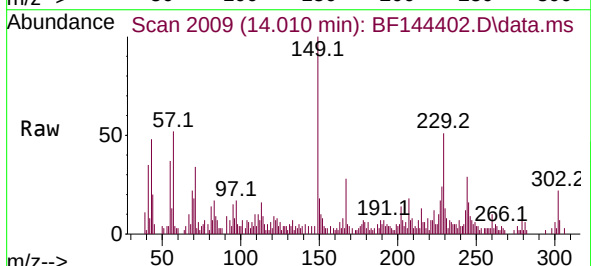
RT: 14.010 min Scan# 2009

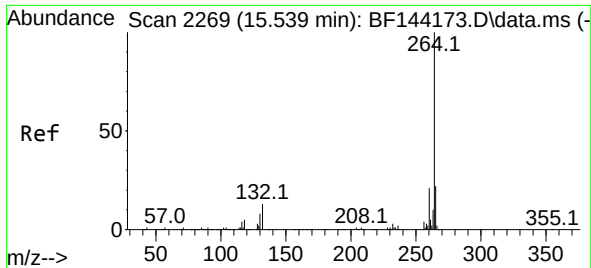
Delta R.T. -0.018 min

Lab File: BF144402.D

Acq: 02 Dec 2025 14:51

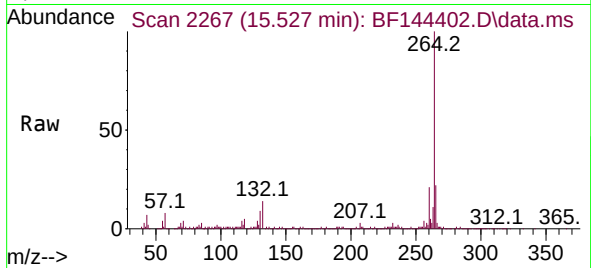
Tgt Ion:149	Resp:	10557
Ion Ratio	Lower	Upper
149	100	
167	28.0	21.8 32.8
279	6.6	3.7 5.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF144402.D
Acq: 02 Dec 2025 14:51

Instrument :
BNA_F
ClientSampleId :
SB-1125-8

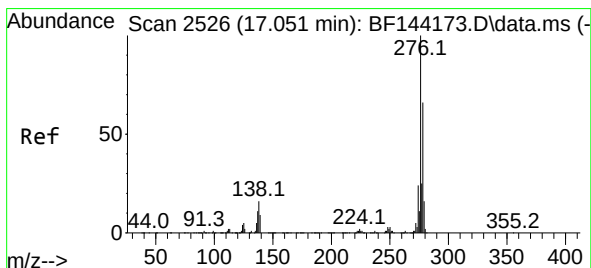
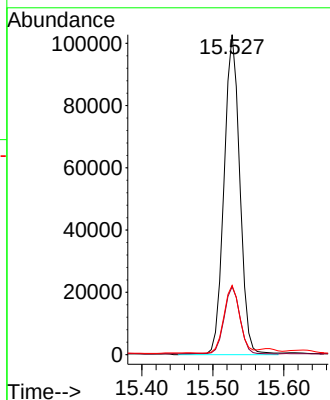
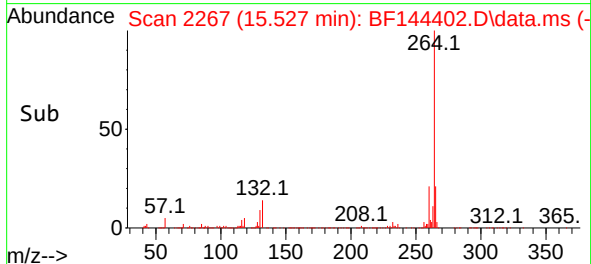


Tgt Ion:264 Resp: 159293
Ion Ratio Lower Upper
264 100
260 21.2 17.1 25.7
265 21.6 17.4 26.0

Manual Integrations
APPROVED

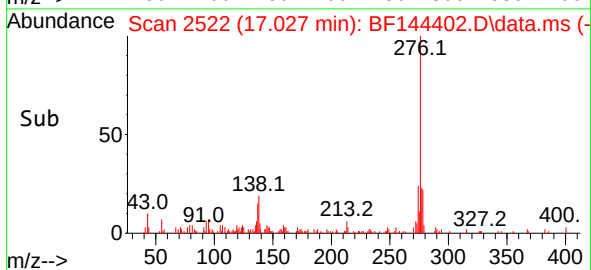
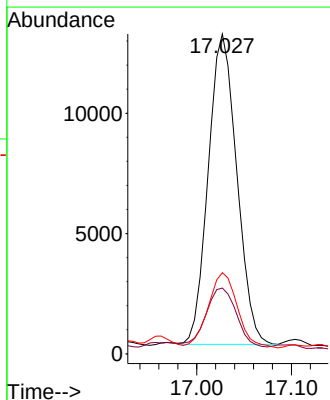
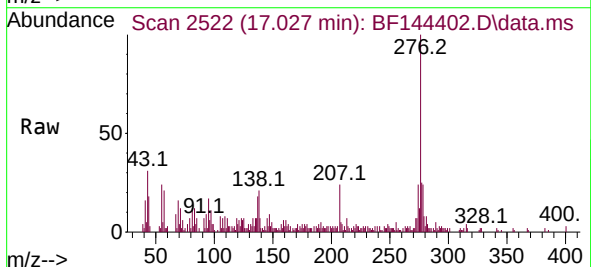
Reviewed By :Jagrut
Upadhyay
12/03/2025

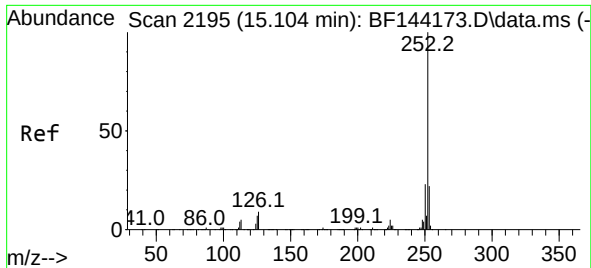
Supervised By :Sohil
Jodhani
12/03/2025



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.363 ng
RT: 17.027 min Scan# 2522
Delta R.T. -0.006 min
Lab File: BF144402.D
Acq: 02 Dec 2025 14:51

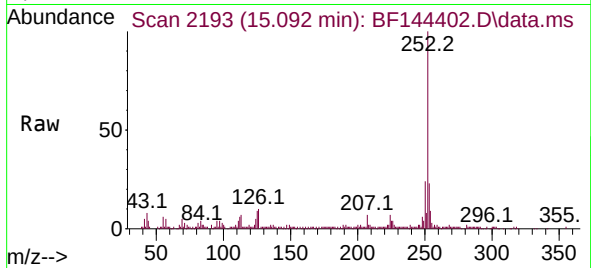
Tgt Ion:276 Resp: 27017
Ion Ratio Lower Upper
276 100
138 20.2 13.9 20.9
277 24.9 19.8 29.6





#88
Benzo(b)fluoranthene
Concen: 8.661 ng m
RT: 15.092 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF144402.D
Acq: 02 Dec 2025 14:51

Instrument :
BNA_F
ClientSampleId :
SB-1125-8

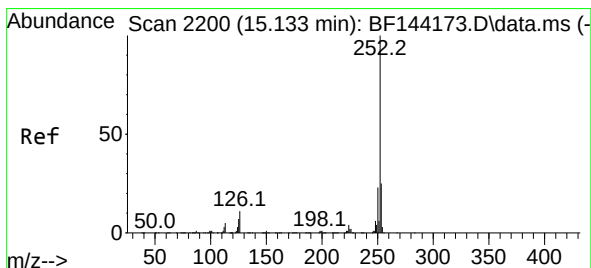
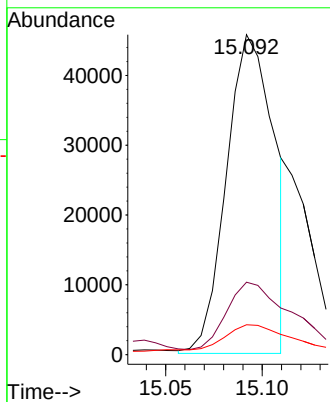
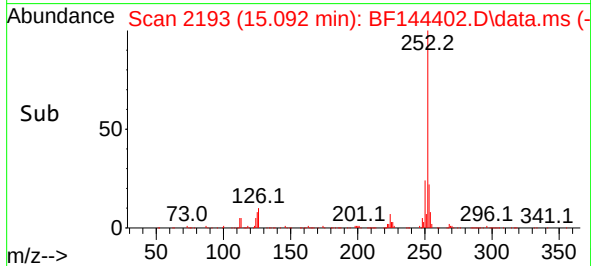


Tgt Ion:252 Resp: 78439
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.2
125 9.3 5.3 7.9

Manual Integrations
APPROVED

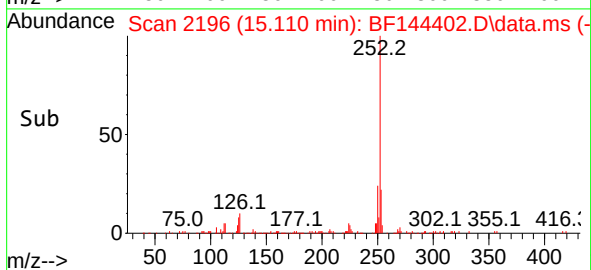
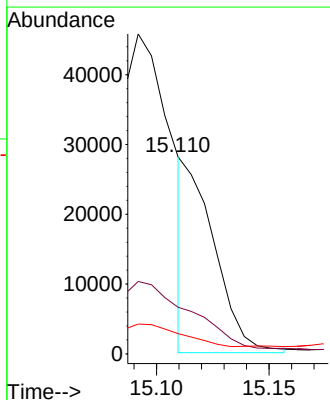
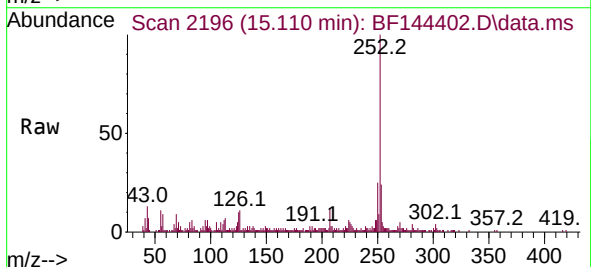
Reviewed By :Jagrut
Upadhyay
12/03/2025

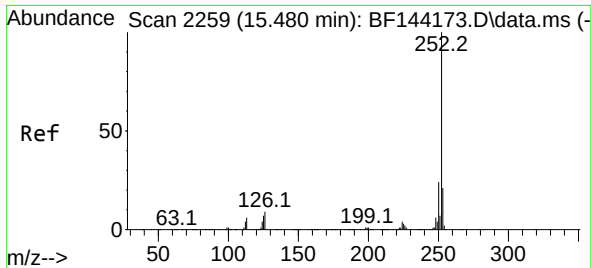
Supervised By :Sohil
Jodhani
12/03/2025



#89
Benzo(k)fluoranthene
Concen: 2.976 ng m
RT: 15.110 min Scan# 2196
Delta R.T. -0.018 min
Lab File: BF144402.D
Acq: 02 Dec 2025 14:51

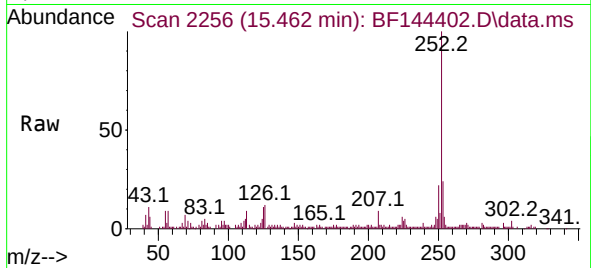
Tgt Ion:252 Resp: 25227
Ion Ratio Lower Upper
252 100
253 23.7 18.0 27.0
125 10.3 5.4 8.2





#90
Benzo(a)pyrene
Concen: 6.199 ng
RT: 15.462 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF144402.D
Acq: 02 Dec 2025 14:51

Instrument :
BNA_F
ClientSampleId :
SB-1125-8

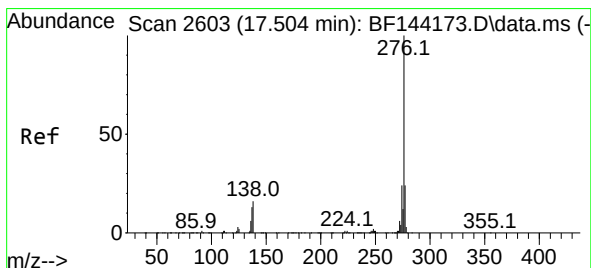
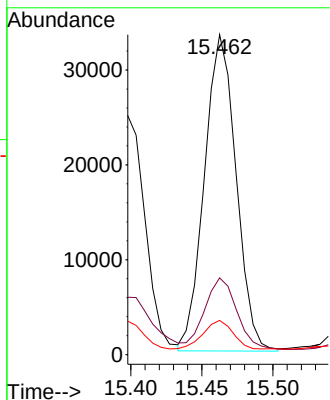
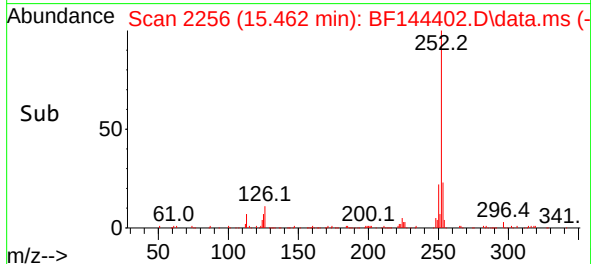


Tgt Ion:252 Resp: 51792
Ion Ratio Lower Upper
252 100
253 24.0 16.7 25.1
125 10.7 5.7 8.5

Manual Integrations
APPROVED

Reviewed By :Jagrut
Upadhyay
12/03/2025

Supervised By :Sohil
Jodhani
12/03/2025



#92
Benzo(g,h,i)perylene
Concen: 2.767 ng
RT: 17.480 min Scan# 2599
Delta R.T. -0.012 min
Lab File: BF144402.D
Acq: 02 Dec 2025 14:51

Tgt Ion:276 Resp: 25093
Ion Ratio Lower Upper
276 100
277 23.2 19.0 28.4
138 20.8 12.9 19.3

