

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
 Data File : BF144269.D
 Acq On : 17 Nov 2025 15:59
 Operator : RC/JU
 Sample : Q3638-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MOO-25-0327

Manual Integrations
 APPROVED

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

Quant Time: Nov 17 16:38:09 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	6.869	152	54887	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	205034	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	105847	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	165397	20.000	ng	0.00
76) Chrysene-d12	14.045	240	126328	20.000	ng	0.00
86) Perylene-d12	15.527	264	110144	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	245872	70.100	ng	0.00
7) Phenol-d6	6.498	99	273119	68.723	ng	0.00
23) Nitrobenzene-d5	7.428	82	163845	46.153	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	82806	62.342	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	236344	32.978	ng	0.00
79) Terphenyl-d14	12.986	244	244222	30.708	ng	0.00
Target Compounds						
52) Acenaphthene	9.939	154	16941m	2.950	ng	Qvalue
55) Dibenzofuran	10.110	168	18497	2.300	ng	# 93
58) Fluorene	10.457	166	14368	2.349	ng	# 86
71) Phenanthrene	11.422	178	79908	9.704	ng	98
75) Fluoranthene	12.616	202	63583	7.475	ng	99
78) Pyrene	12.845	202	46274	4.543	ng	95
88) Benzo(b)fluoranthene	15.092	252	15375m	2.455	ng	

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

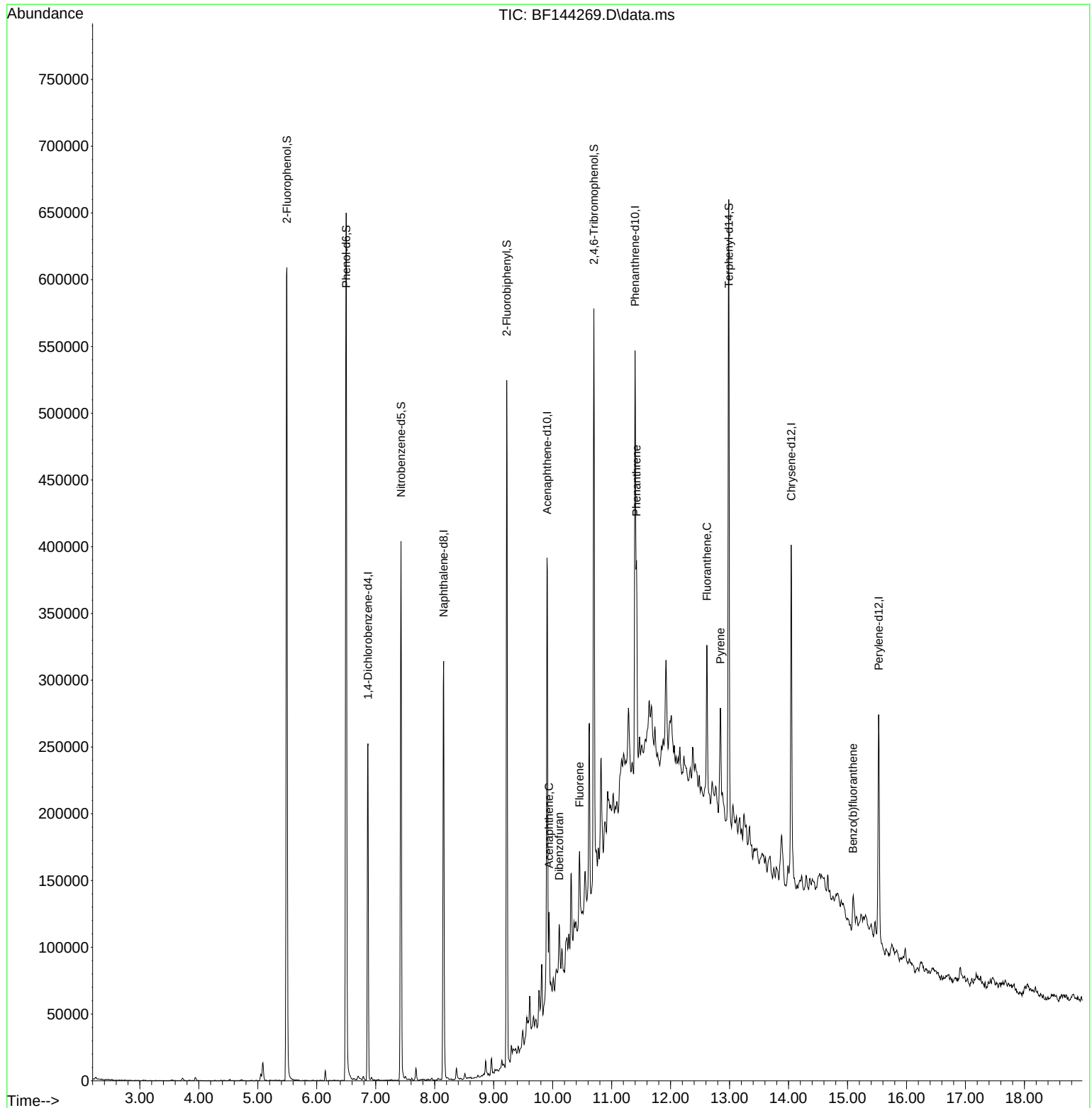
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144269.D
Acq On : 17 Nov 2025 15:59
Operator : RC/JU
Sample : Q3638-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

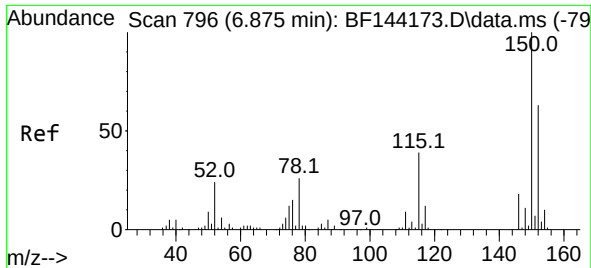
Instrument :
BNA_F
ClientSampleId :
MOO-25-0327

Quant Time: Nov 17 16:38:09 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
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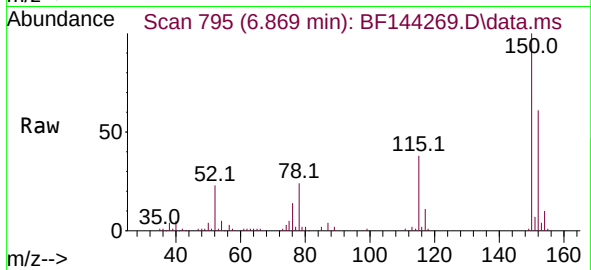
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 796
Delta R.T. -0.006 min
Lab File: BF144269.D
Acq: 17 Nov 2025 15:59

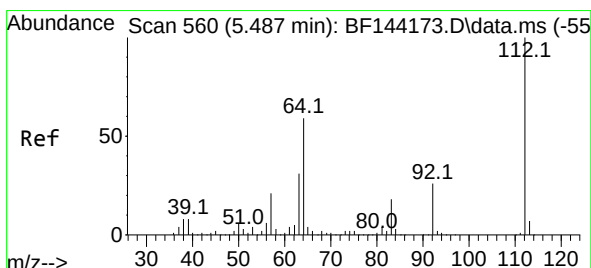
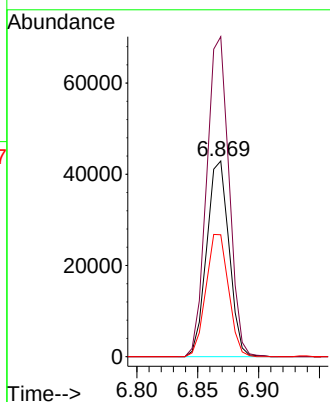
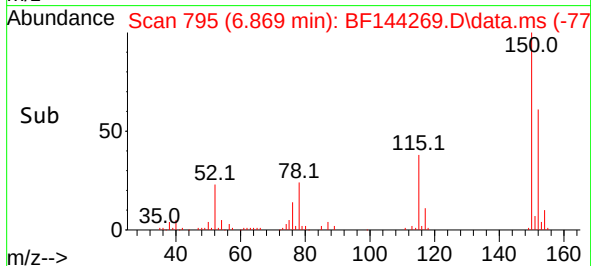
Instrument :
BNA_F
ClientSampleId :
MOO-25-0327



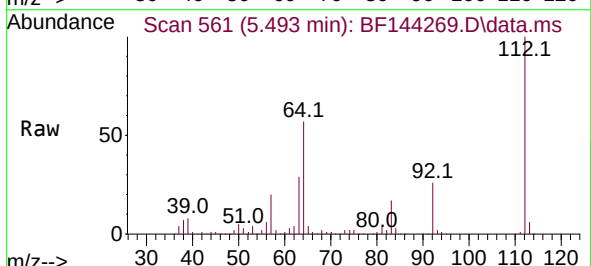
Tgt Ion:152 Resp: 5488
Ion Ratio Lower Upper
152 100
150 163.6 127.4 191.0
115 62.3 49.5 74.3

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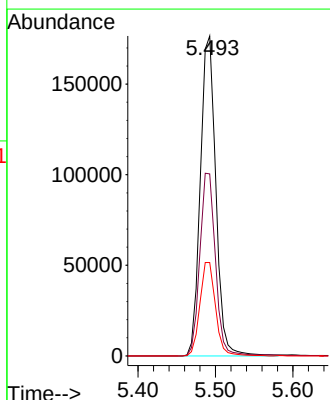
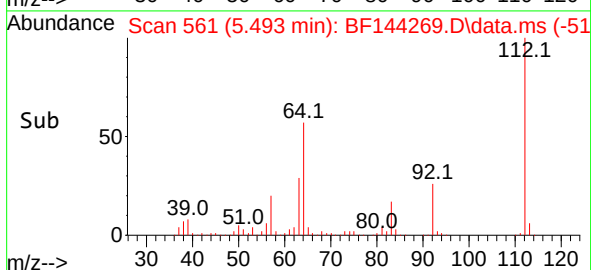
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025



#5
2-Fluorophenol
Concen: 70.100 ng
RT: 5.493 min Scan# 561
Delta R.T. -0.000 min
Lab File: BF144269.D
Acq: 17 Nov 2025 15:59



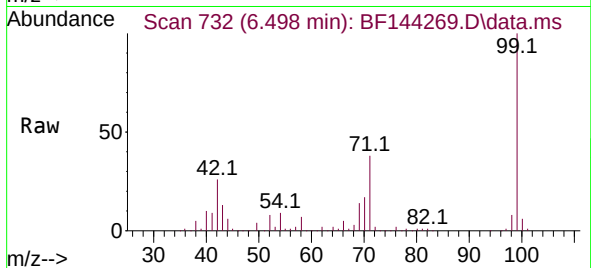
Tgt Ion:112 Resp: 245872
Ion Ratio Lower Upper
112 100
64 56.9 47.2 70.8
63 29.2 24.4 36.6





#7
Phenol-d6
Concen: 68.723 ng
RT: 6.498 min Scan# 731
Delta R.T. -0.000 min
Lab File: BF144269.D
Acq: 17 Nov 2025 15:59

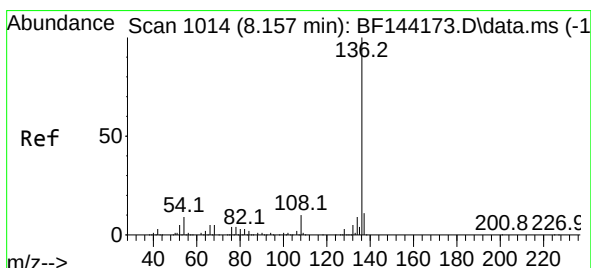
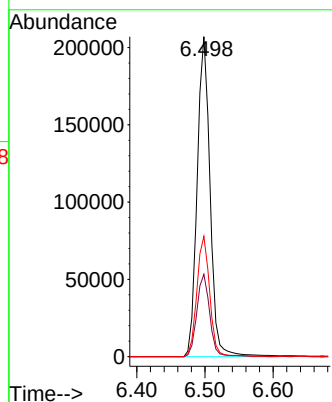
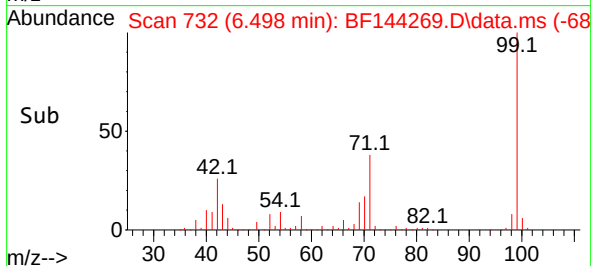
Instrument :
BNA_F
ClientSampleId :
MOO-25-0327



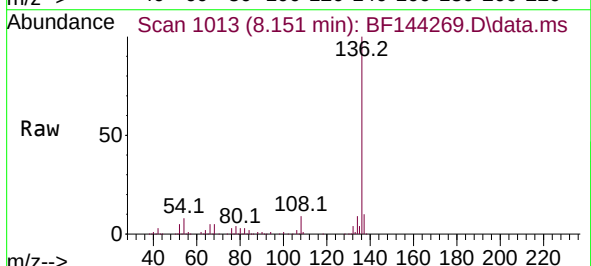
Tgt Ion: 99 Resp: 273119
Ion Ratio Lower Upper
99 100
42 25.7 20.9 31.3
71 37.6 31.4 47.2

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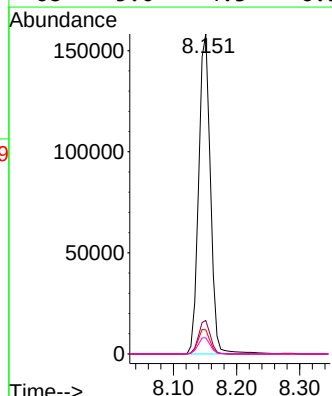
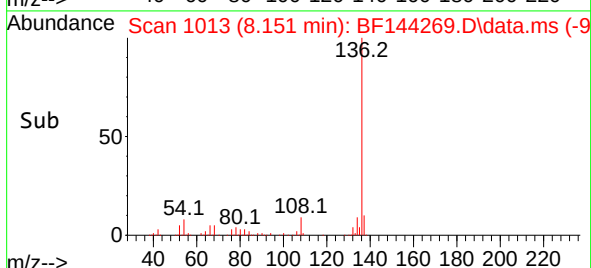
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

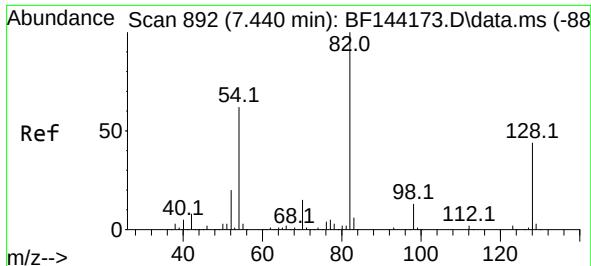


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BF144269.D
Acq: 17 Nov 2025 15:59



Tgt Ion:136 Resp: 205034
Ion Ratio Lower Upper
136 100
137 10.4 8.6 13.0
54 7.5 7.0 10.6
68 5.0 4.3 6.5





#23

Nitrobenzene-d5

Concen: 46.153 ng

RT: 7.428 min Scan# 89

Delta R.T. -0.006 min

Lab File: BF144269.D

Acq: 17 Nov 2025 15:59

Instrument :

BNA_F

ClientSampleId :

MOO-25-0327

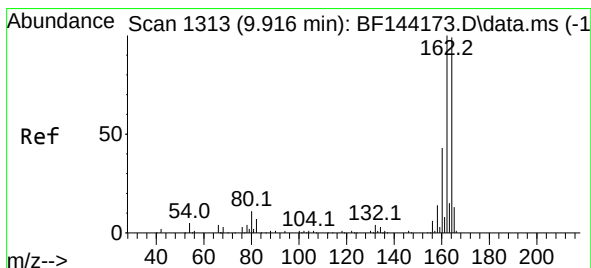
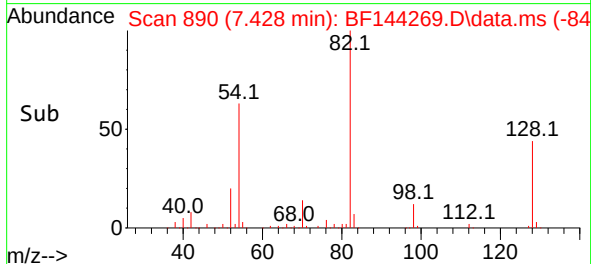
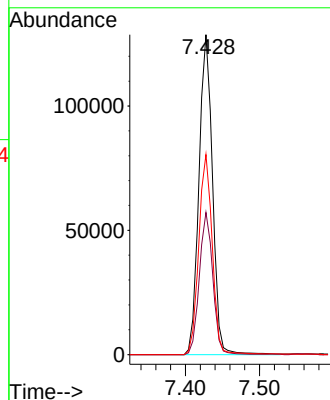
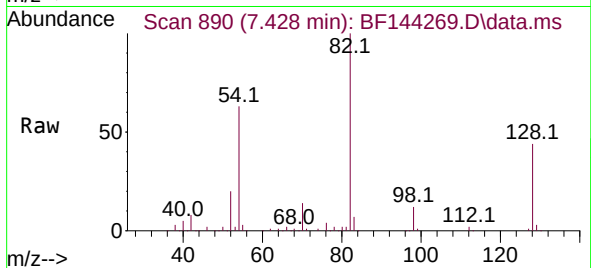
Tgt Ion: 82 Resp: 163845

Ion	Ratio	Lower	Upper
82	100		
128	44.4	34.7	52.1
54	62.5	49.5	74.3

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.904 min Scan# 1311

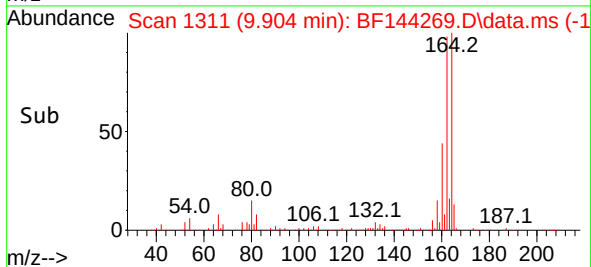
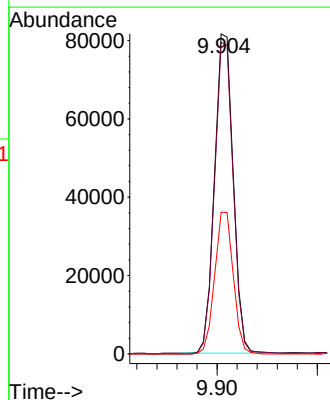
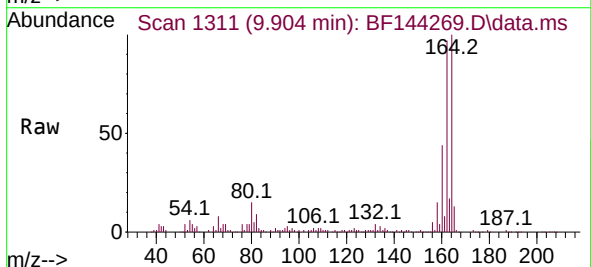
Delta R.T. -0.012 min

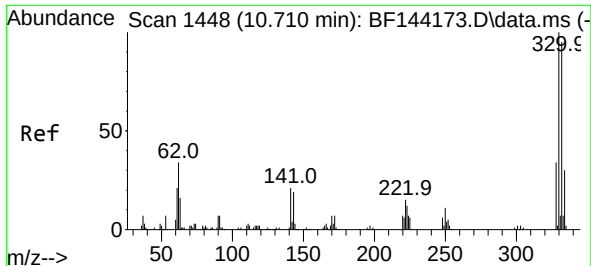
Lab File: BF144269.D

Acq: 17 Nov 2025 15:59

Tgt Ion:164 Resp: 105847

Ion	Ratio	Lower	Upper
164	100		
162	97.4	81.1	121.7
160	44.3	34.5	51.7





#42
2,4,6-Tribromophenol
Concen: 62.342 ng
RT: 10.698 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF144269.D
Acq: 17 Nov 2025 15:59

Instrument :

BNA_F

ClientSampleId :

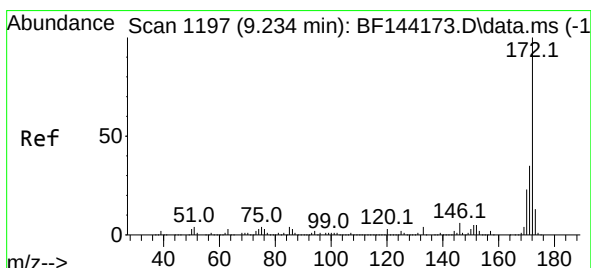
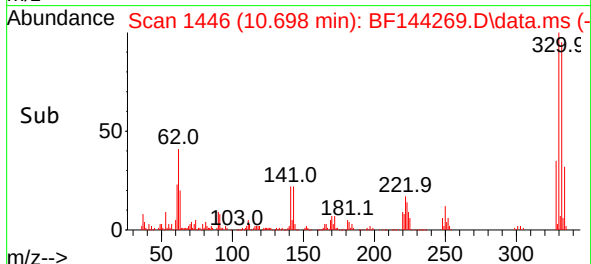
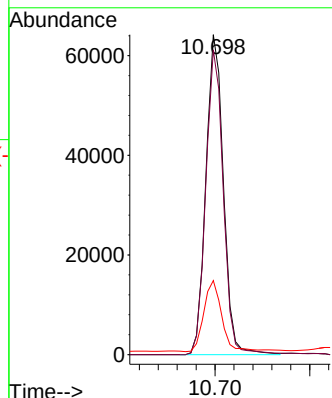
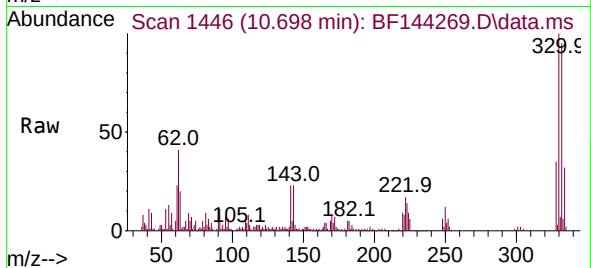
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Tgt Ion:330 Resp: 82806
Ion Ratio Lower Upper
330 100
332 95.2 76.7 115.1
141 23.4 17.8 26.8

Manual Integrations

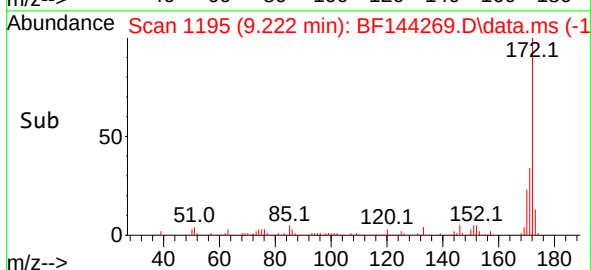
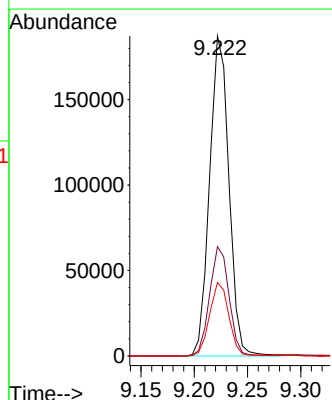
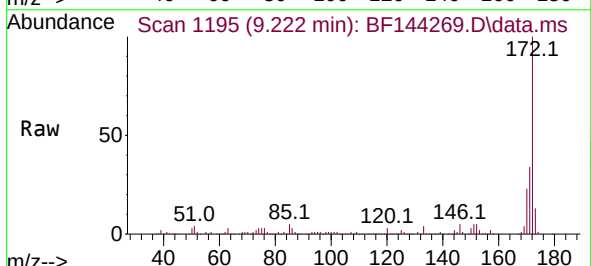
APPROVED

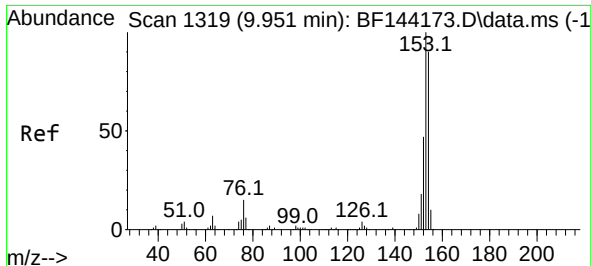
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025



#45
2-Fluorobiphenyl
Concen: 32.978 ng
RT: 9.222 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BF144269.D
Acq: 17 Nov 2025 15:59

Tgt Ion:172 Resp: 236344
Ion Ratio Lower Upper
172 100
171 34.1 28.1 42.1
170 22.9 18.6 28.0





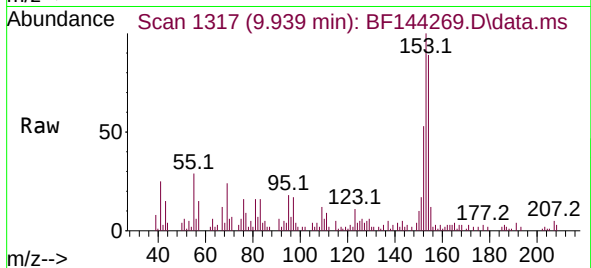
#52
Acenaphthene
Concen: 2.950 ng m
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF144269.D
Acq: 17 Nov 2025 15:59

Instrument :

BNA_F

ClientSampleId :

MOO-25-0327

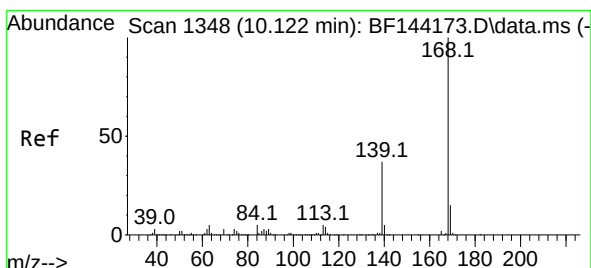
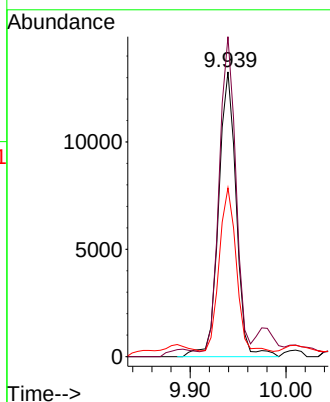
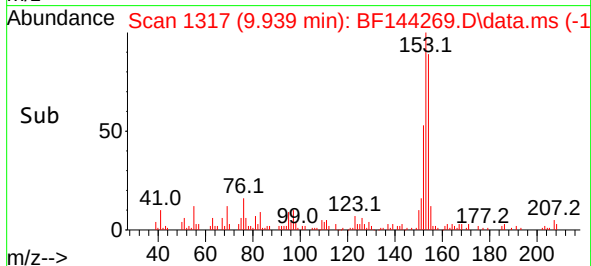


Tgt Ion:154 Resp: 1694
Ion Ratio Lower Upper
154 100
153 112.4 89.0 133.4
152 59.3 42.2 63.4

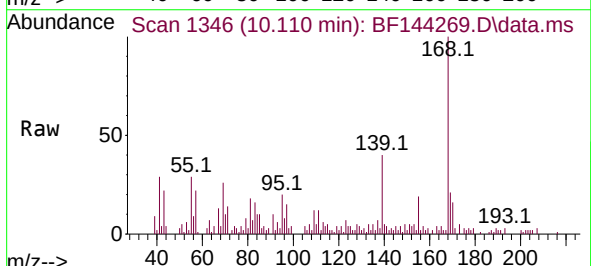
Manual Integrations

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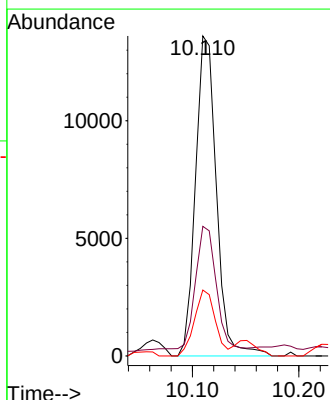
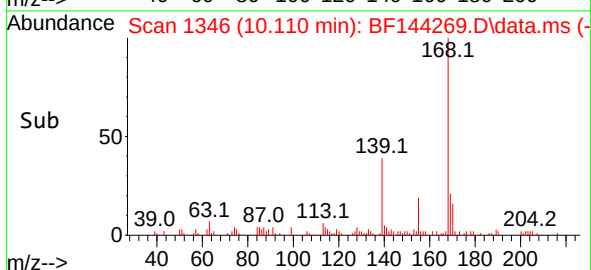
Reviewed By :Jagrut Upadhyay 11/18/2025
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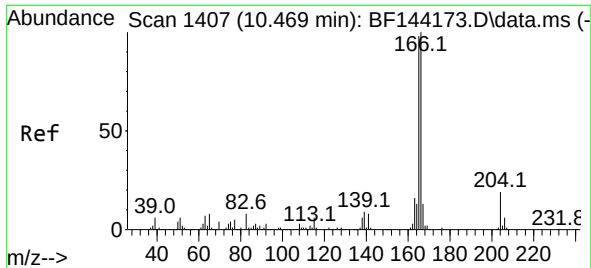


#55
Dibenzofuran
Concen: 2.300 ng
RT: 10.110 min Scan# 1346
Delta R.T. -0.006 min
Lab File: BF144269.D
Acq: 17 Nov 2025 15:59



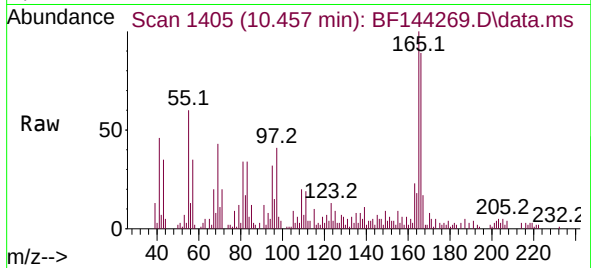
Tgt Ion:168 Resp: 18497
Ion Ratio Lower Upper
168 100
139 40.5 30.2 45.2
169 20.6 12.2 18.4#





#58
Fluorene
Concen: 2.349 ng
RT: 10.457 min Scan# 1407
Delta R.T. -0.006 min
Lab File: BF144269.D
Acq: 17 Nov 2025 15:59

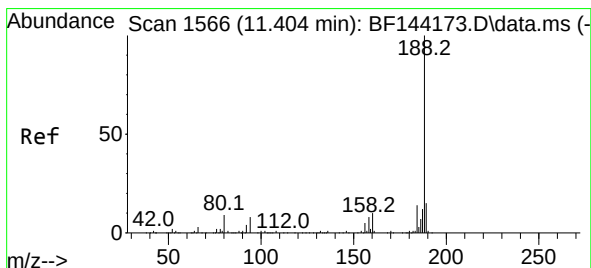
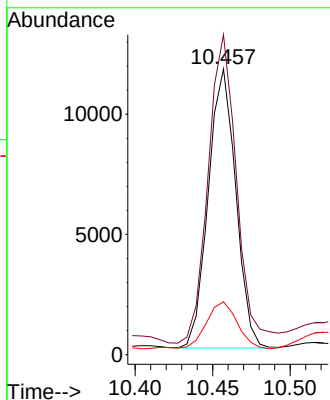
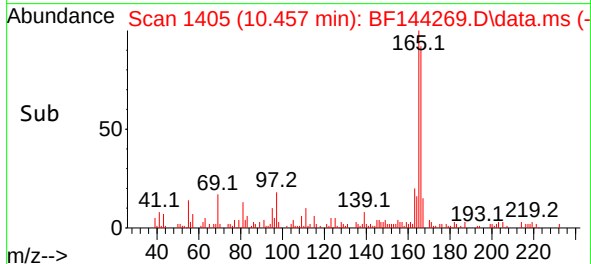
Instrument :
BNA_F
ClientSampleId :
MOO-25-0327



Tgt Ion:166 Resp: 14368
Ion Ratio Lower Upper
166 100
165 112.0 78.6 118.0
167 18.5 10.4 15.6

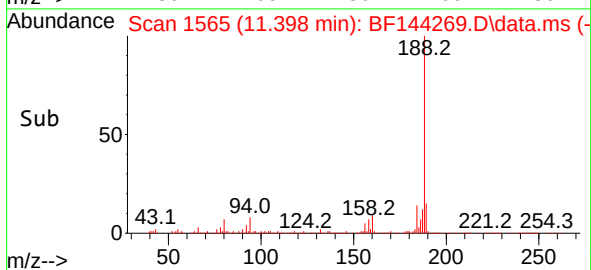
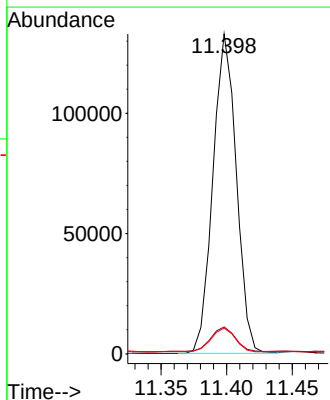
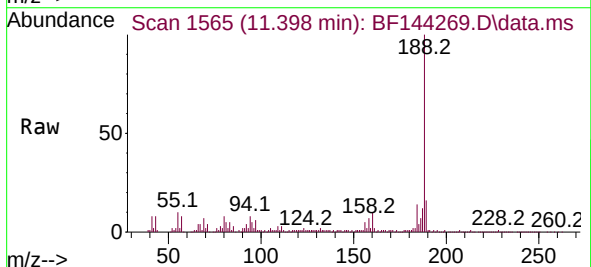
Manual Integrations
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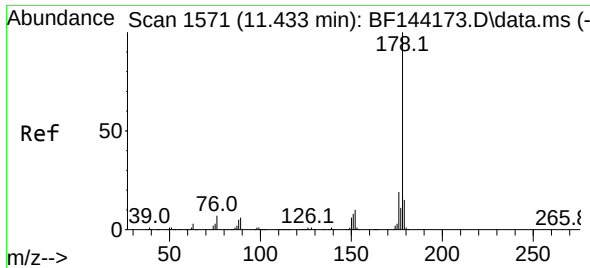
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1565
Delta R.T. -0.006 min
Lab File: BF144269.D
Acq: 17 Nov 2025 15:59

Tgt Ion:188 Resp: 165397
Ion Ratio Lower Upper
188 100
94 8.4 6.2 9.2
80 8.1 6.9 10.3





#71
Phenanthrene
Concen: 9.704 ng
RT: 11.422 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144269.D
Acq: 17 Nov 2025 15:59

Instrument :

BNA_F

ClientSampleId :

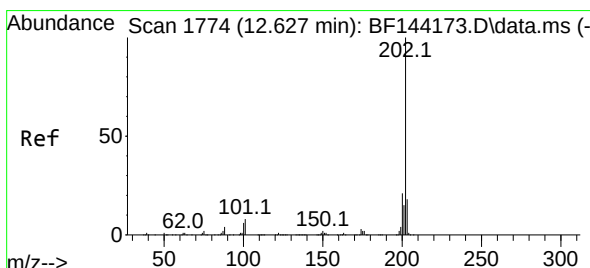
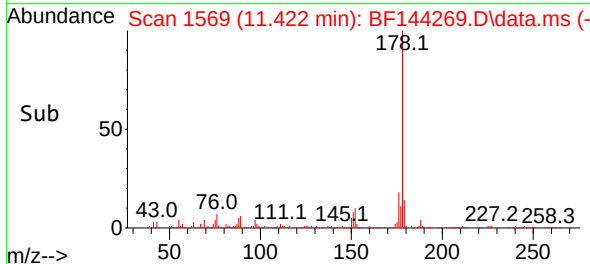
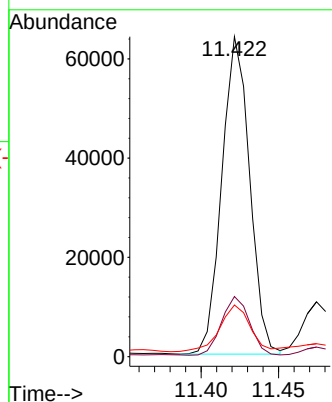
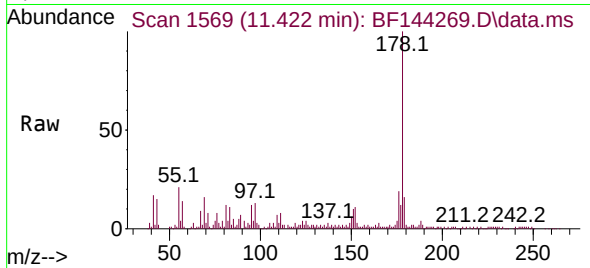
MOO-25-0327

Tgt Ion:178 Resp: 79908
Ion Ratio Lower Upper
178 100
176 18.8 15.5 23.3
179 16.1 12.2 18.4

Manual Integrations

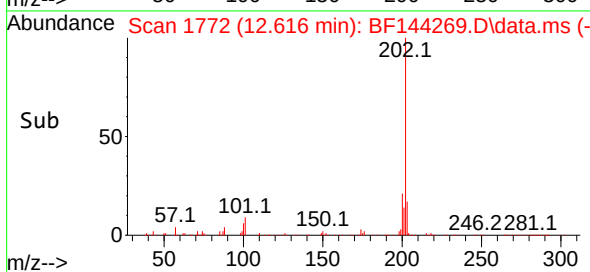
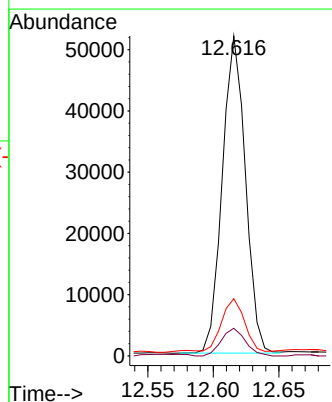
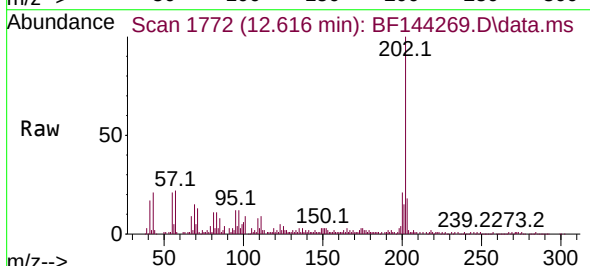
APPROVED

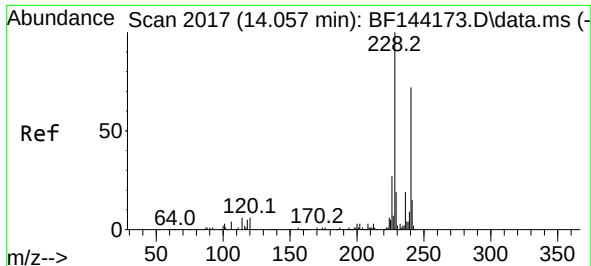
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025



#75
Fluoranthene
Concen: 7.475 ng
RT: 12.616 min Scan# 1772
Delta R.T. -0.006 min
Lab File: BF144269.D
Acq: 17 Nov 2025 15:59

Tgt Ion:202 Resp: 63583
Ion Ratio Lower Upper
202 100
101 8.6 0.0 27.9
203 17.9 0.0 37.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF144269.D
Acq: 17 Nov 2025 15:59

Instrument :

BNA_F

ClientSampleId :

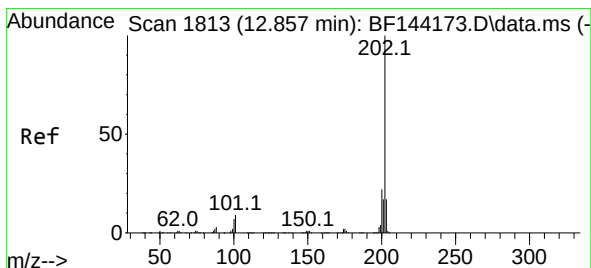
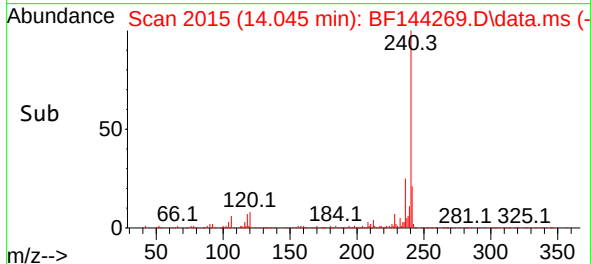
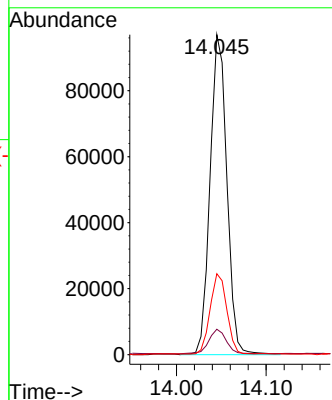
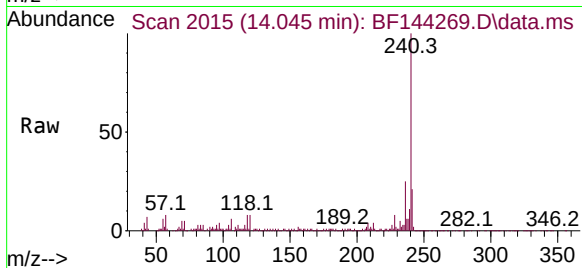
MOO-25-0327

Tgt Ion:240 Resp: 126328
Ion Ratio Lower Upper
240 100
120 7.9 6.6 10.0
236 25.3 21.4 32.2

Manual Integrations

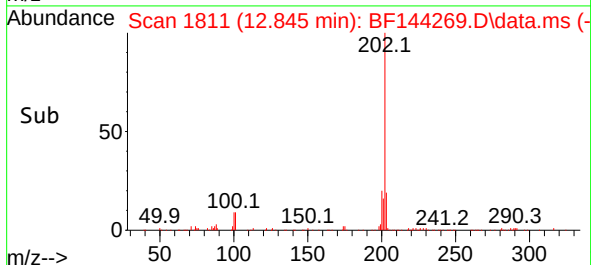
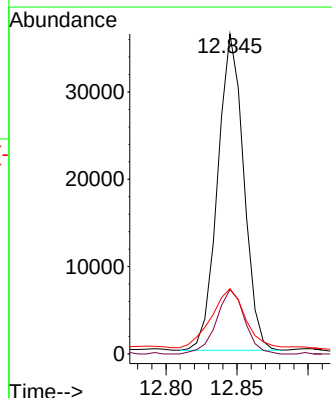
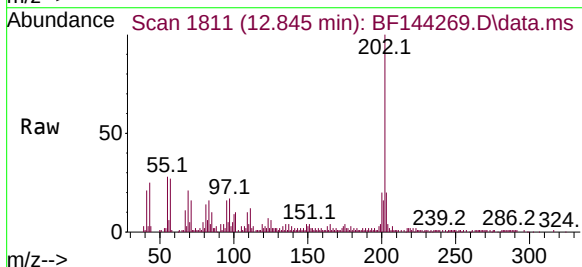
APPROVED

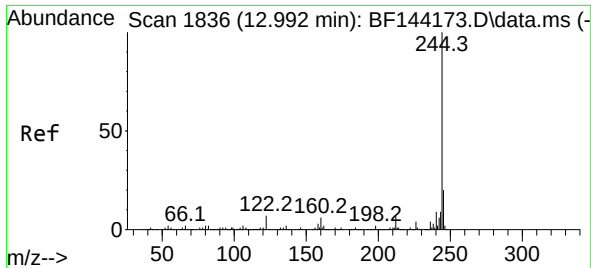
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025



#78
Pyrene
Concen: 4.543 ng
RT: 12.845 min Scan# 1811
Delta R.T. -0.006 min
Lab File: BF144269.D
Acq: 17 Nov 2025 15:59

Tgt Ion:202 Resp: 46274
Ion Ratio Lower Upper
202 100
200 20.1 17.2 25.8
203 20.4 13.7 20.5





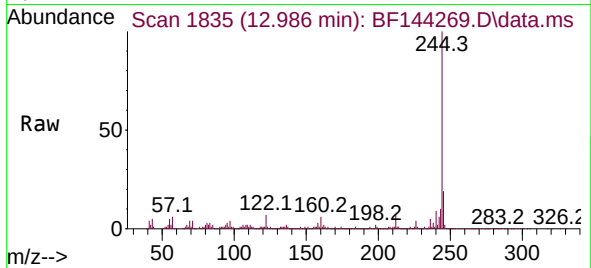
#79
Terphenyl-d14
Concen: 30.708 ng
RT: 12.986 min Scan# 1836
Delta R.T. -0.006 min
Lab File: BF144269.D
Acq: 17 Nov 2025 15:59

Instrument :

BNA_F

ClientSampleId :

MOO-25-0327

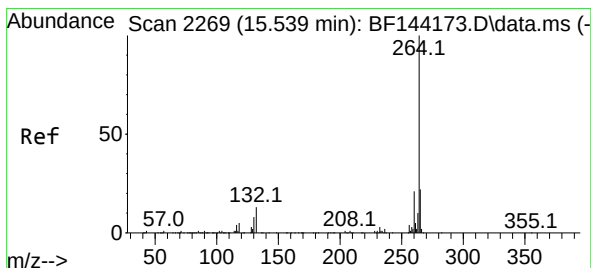
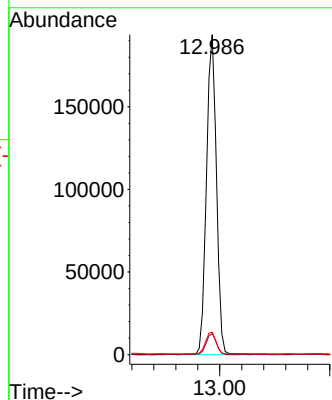
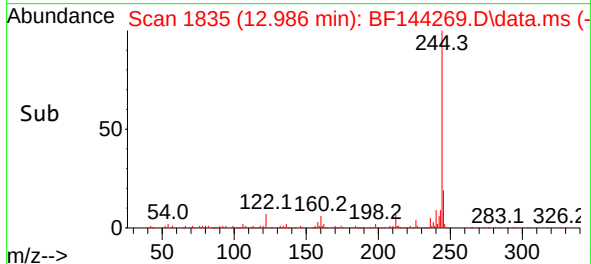


Tgt Ion:244 Resp: 244222
Ion Ratio Lower Upper
244 100
212 6.6 5.3 7.9
122 7.0 5.6 8.4

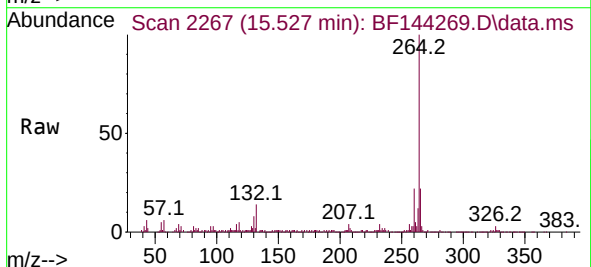
Manual Integrations

APPROVED

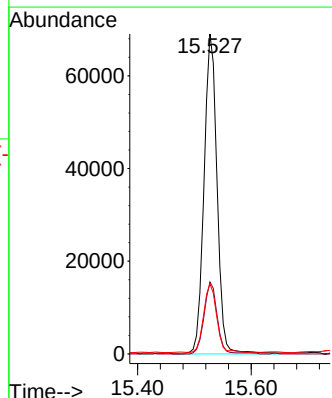
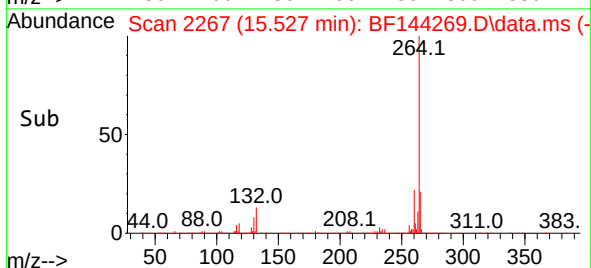
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

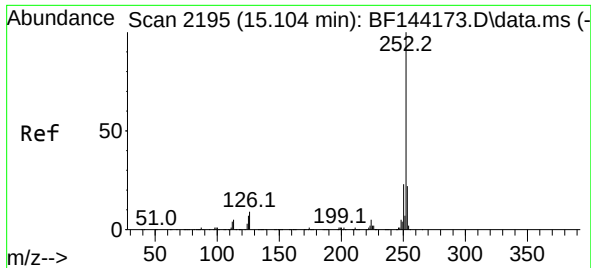


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2267
Delta R.T. -0.012 min
Lab File: BF144269.D
Acq: 17 Nov 2025 15:59



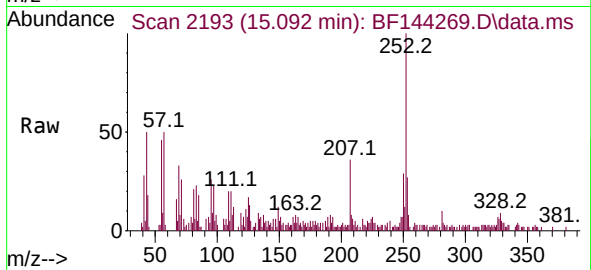
Tgt Ion:264 Resp: 110144
Ion Ratio Lower Upper
264 100
260 22.5 17.1 25.7
265 21.9 17.4 26.0





#88
Benzo(b)fluoranthene
Concen: 2.455 ng m
RT: 15.092 min Scan# 2193
Delta R.T. -0.006 min
Lab File: BF144269.D
Acq: 17 Nov 2025 15:59

Instrument :
BNA_F
ClientSampleId :
MOO-25-0327



Tgt Ion:252 Resp: 15375
Ion Ratio Lower Upper
252 100
253 26.7 17.4 26.2
125 16.9 5.3 7.9

Manual Integrations
APPROVED

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

