

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112425\
 Data File : BF144339.D
 Acq On : 24 Nov 2025 22:44
 Operator : RC/JU
 Sample : Q3712-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-11212025

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 11/25/2025
 Supervised By :mohammad ahmed 11/26/2025

Quant Time: Nov 25 00:30:46 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	51134	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	176631	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	84654	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	150231	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	156887	20.000	ng	-0.01
86) Perylene-d12	15.521	264	174174	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	242772	74.296	ng	-0.01
7) Phenol-d6	6.492	99	260702	70.413	ng	0.00
23) Nitrobenzene-d5	7.422	82	152349	49.815	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	69783	65.690	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	306965	53.555	ng	-0.01
79) Terphenyl-d14	12.974	244	361358	36.586	ng	-0.02
Target Compounds						Qvalue
75) Fluoranthene	12.604	202	41661	5.392	ng	96
78) Pyrene	12.839	202	40416	3.195	ng	97
81) Benzo(a)anthracene	14.027	228	28581	2.629	ng	95
83) Chrysene	14.063	228	24505	2.441	ng	92
88) Benzo(b)fluoranthene	15.086	252	34226m	3.456	ng	
90) Benzo(a)pyrene	15.457	252	22931	2.510	ng	# 91

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

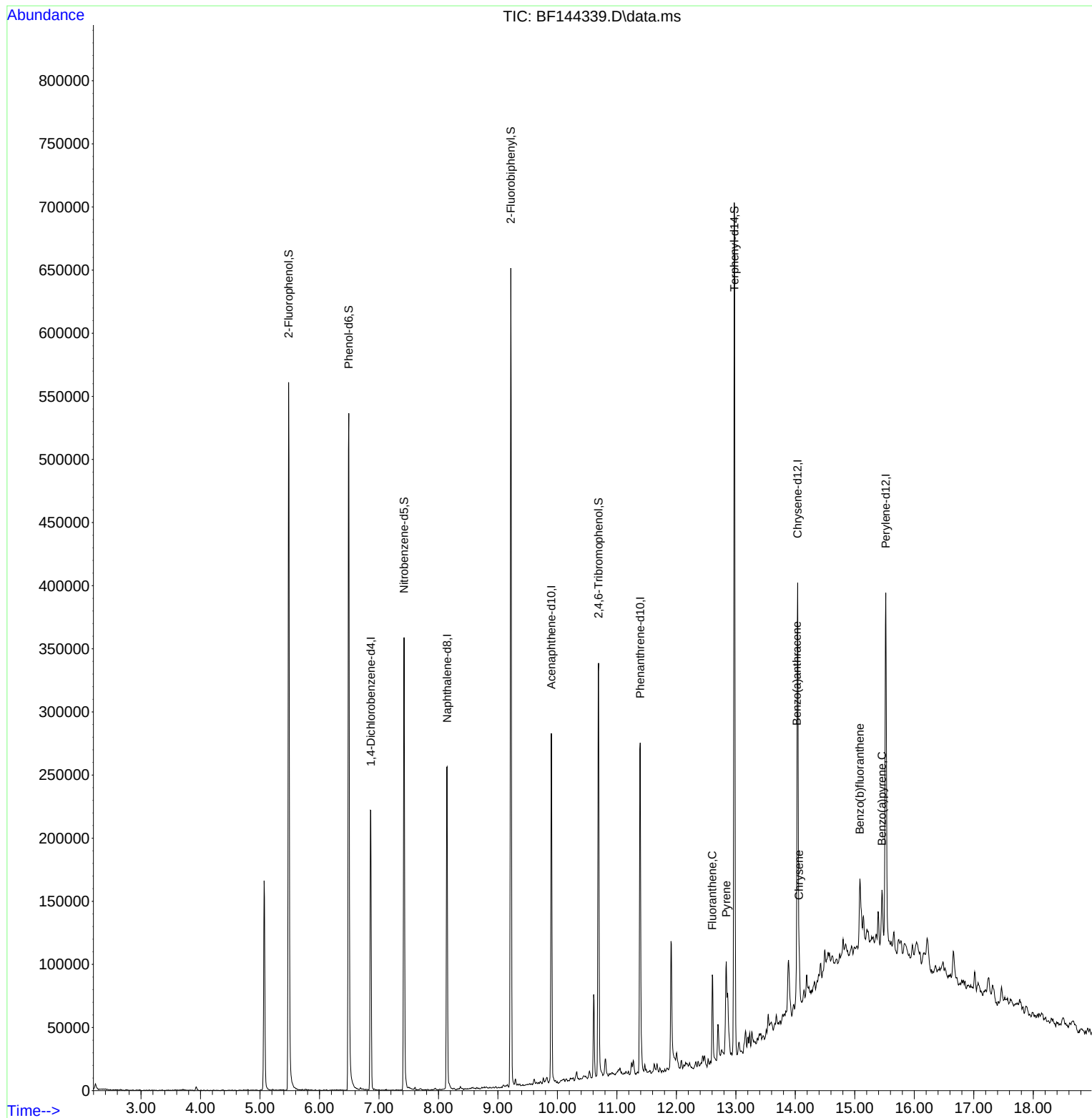
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112425\
Data File : BF144339.D
Acq On : 24 Nov 2025 22:44
Operator : RC/JU
Sample : Q3712-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

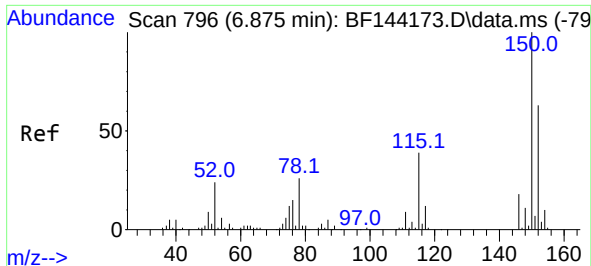
Instrument :
BNA_F
ClientSampleId :
JC-03-11212025

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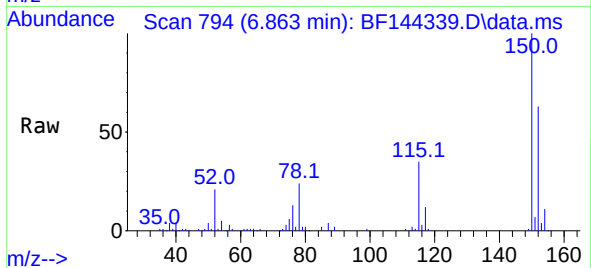
Quant Time: Nov 25 00:30:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 794
Delta R.T. -0.012 min
Lab File: BF144339.D
Acq: 24 Nov 2025 22:44

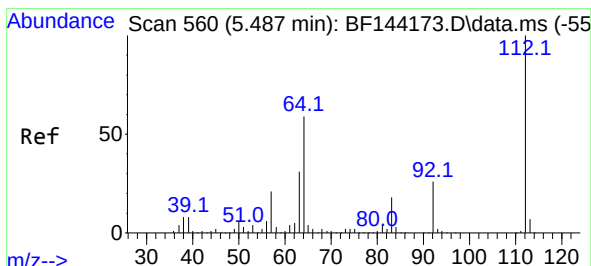
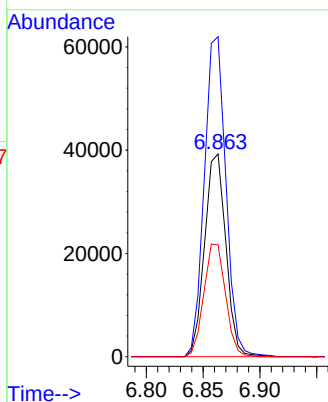
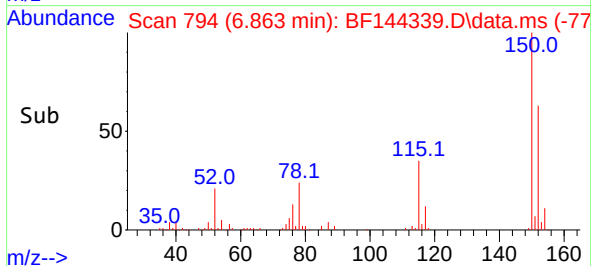
Instrument :
BNA_F
ClientSampleId :
JC-03-11212025



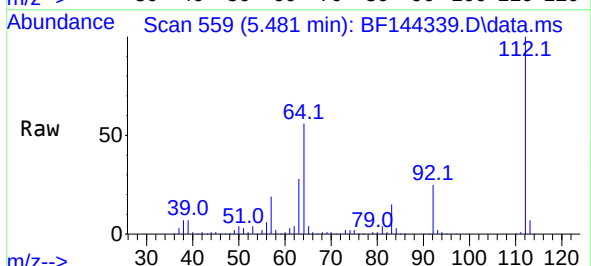
Tgt Ion:152 Resp: 51134
Ion Ratio Lower Upper
152 100
150 157.9 127.4 191.0
115 55.2 49.5 74.3

Manual Integrations
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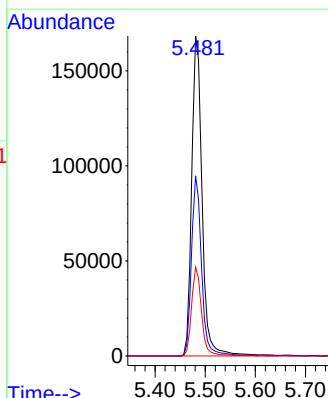
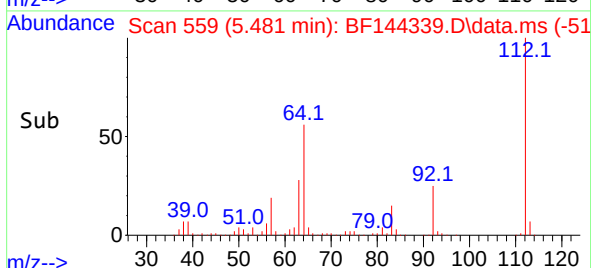
Reviewed By :Jagrut Upadhyay 11/25/2025
Supervised By :mohammad ahmed 11/26/2025



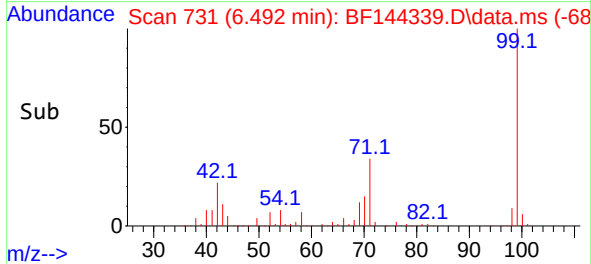
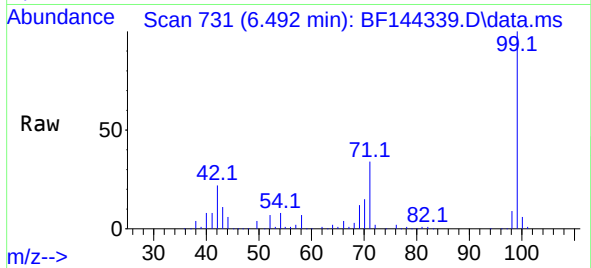
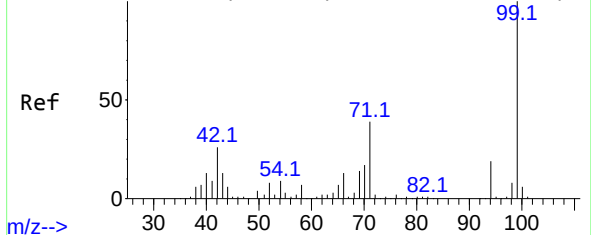
#5
2-Fluorophenol
Concen: 74.296 ng
RT: 5.481 min Scan# 559
Delta R.T. -0.012 min
Lab File: BF144339.D
Acq: 24 Nov 2025 22:44



Tgt Ion:112 Resp: 242772
Ion Ratio Lower Upper
112 100
64 56.3 47.2 70.8
63 27.8 24.4 36.6



Abundance Scan 733 (6.504 min): BF144173.D\data.ms (-72



#7

Phenol-d6

Concen: 70.413 ng

RT: 6.492 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF144339.D

Acq: 24 Nov 2025 22:44

Instrument :

BNA_F

ClientSampleId :

JC-03-11212025

Tgt Ion: 99 Resp: 26070

Ion Ratio Lower Upper

99 100

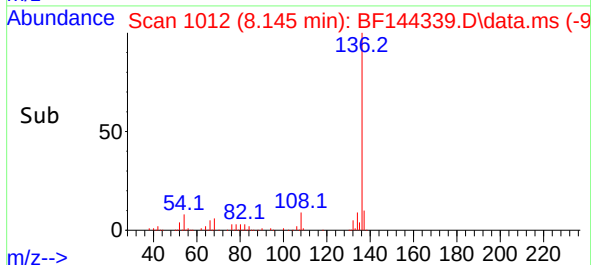
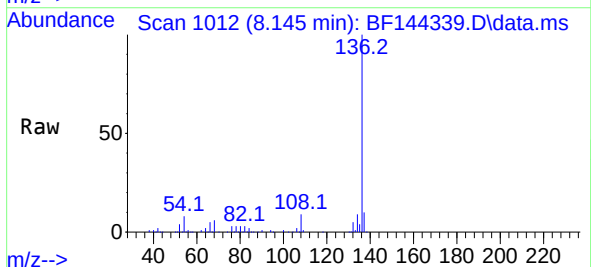
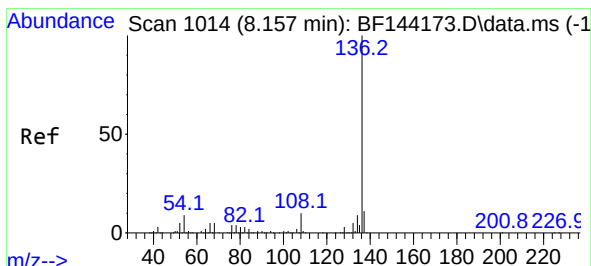
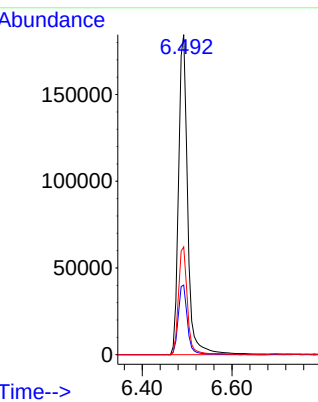
42 21.8 20.9 31.3

71 33.7 31.4 47.2

Manual Integrations

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.145 min Scan# 1012

Delta R.T. -0.012 min

Lab File: BF144339.D

Acq: 24 Nov 2025 22:44

Tgt Ion:136 Resp: 176631

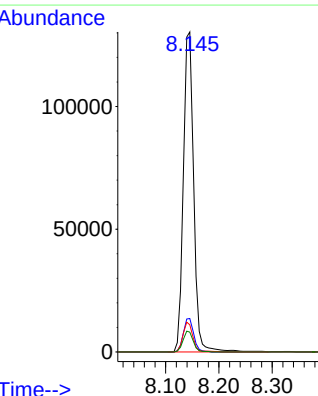
Ion Ratio Lower Upper

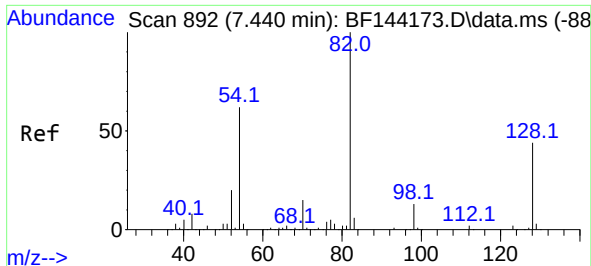
136 100

137 10.5 8.6 13.0

54 8.5 7.0 10.6

68 6.2 4.3 6.5





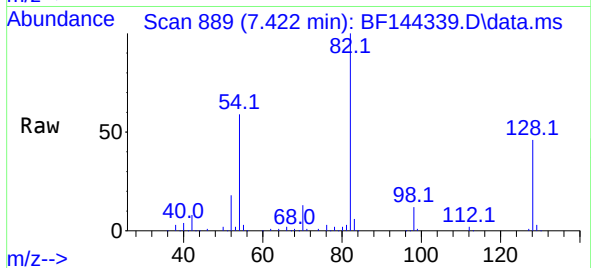
#23
Nitrobenzene-d5
Concen: 49.815 ng
RT: 7.422 min Scan# 892
Delta R.T. -0.012 min
Lab File: BF144339.D
Acq: 24 Nov 2025 22:44

Instrument :

BNA_F

ClientSampleId :

JC-03-11212025

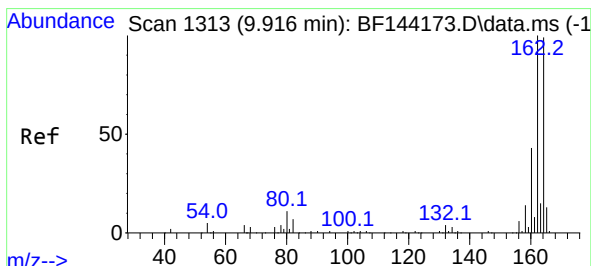
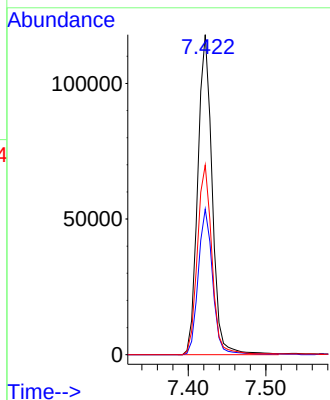
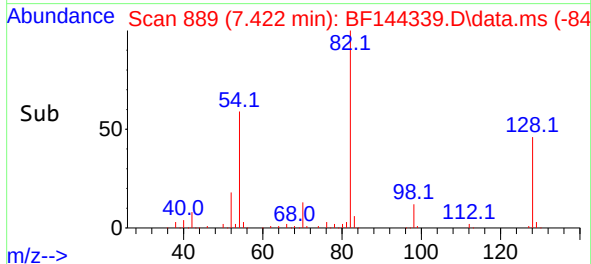


Tgt Ion: 82 Resp: 152349
Ion Ratio Lower Upper
82 100
128 45.5 34.7 52.1
54 59.2 49.5 74.3

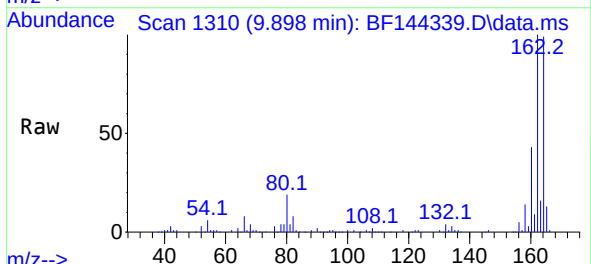
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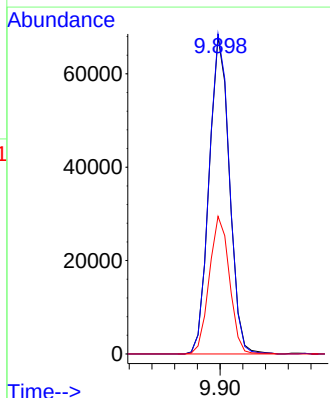
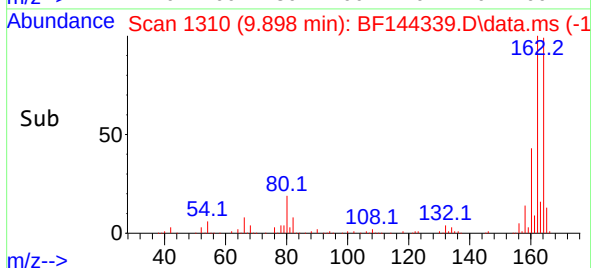
Reviewed By :Jagrut Upadhyay 11/25/2025
Supervised By :mohammad ahmed 11/26/2025

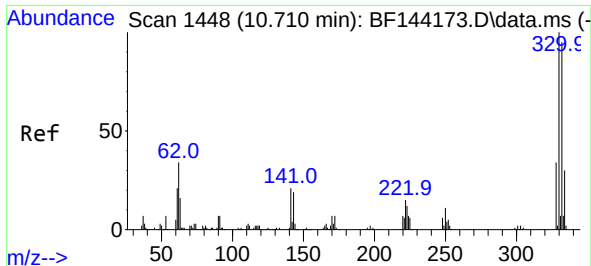


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1310
Delta R.T. -0.018 min
Lab File: BF144339.D
Acq: 24 Nov 2025 22:44



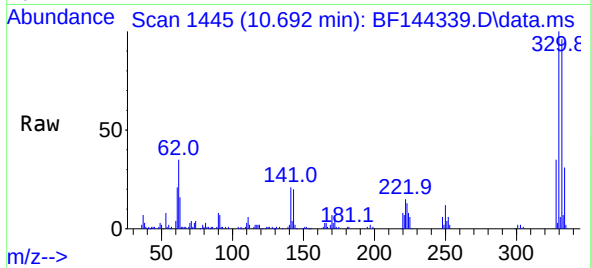
Tgt Ion:164 Resp: 84654
Ion Ratio Lower Upper
164 100
162 101.0 81.1 121.7
160 43.4 34.5 51.7





#42
2,4,6-Tribromophenol
Concen: 65.690 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF144339.D
Acq: 24 Nov 2025 22:44

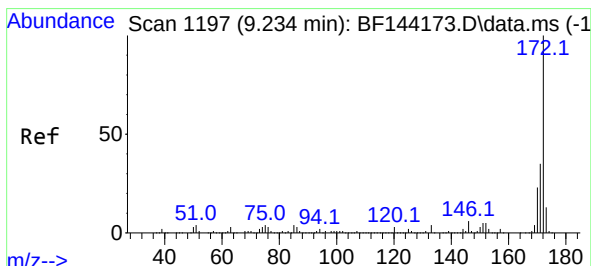
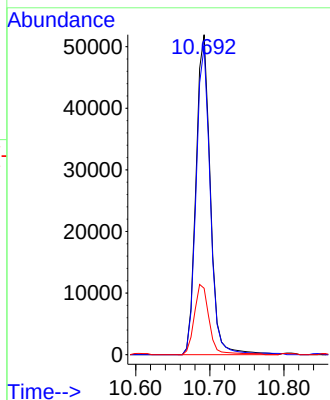
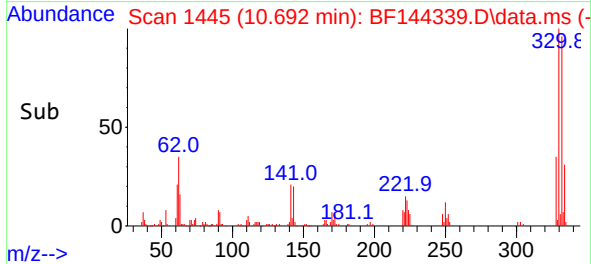
Instrument :
BNA_F
ClientSampleId :
JC-03-11212025



Tgt Ion:330 Resp: 6978
Ion Ratio Lower Upper
330 100
332 94.5 76.7 115.1
141 22.8 17.8 26.8

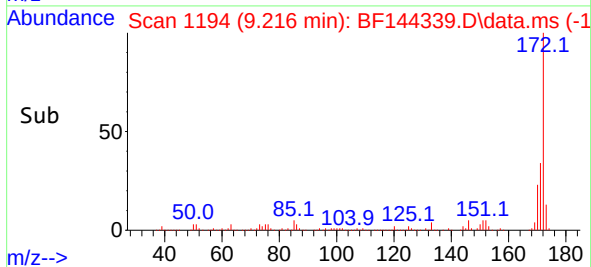
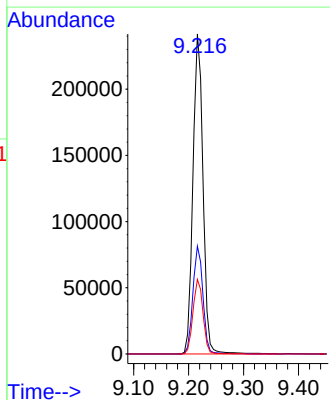
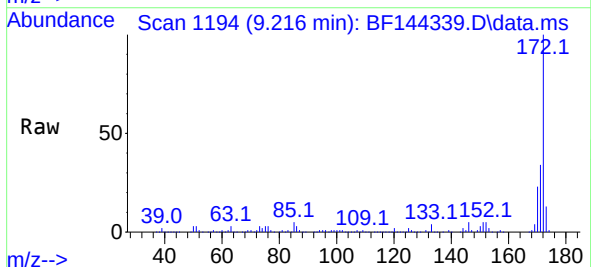
Manual Integrations
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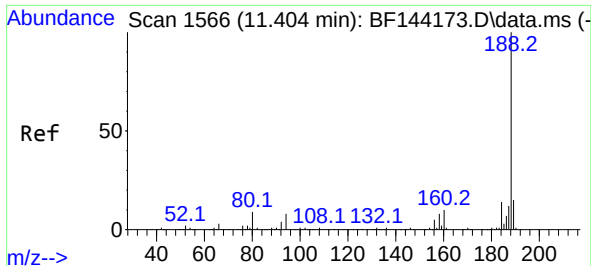
Reviewed By :Jagrut Upadhyay 11/25/2025
Supervised By :mohammad ahmed 11/26/2025



#45
2-Fluorobiphenyl
Concen: 53.555 ng
RT: 9.216 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF144339.D
Acq: 24 Nov 2025 22:44

Tgt Ion:172 Resp: 306965
Ion Ratio Lower Upper
172 100
171 33.7 28.1 42.1
170 23.3 18.6 28.0





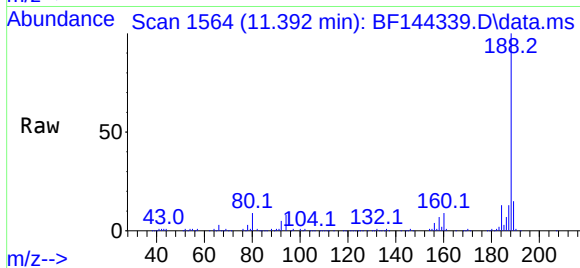
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144339.D
Acq: 24 Nov 2025 22:44

Instrument :

BNA_F

ClientSampleId :

JC-03-11212025

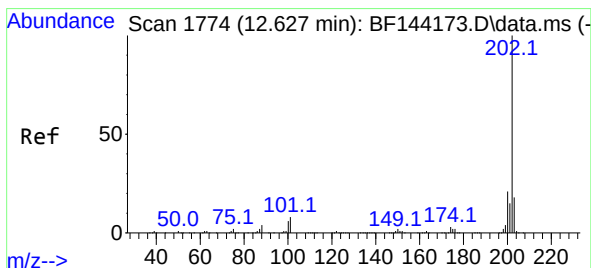
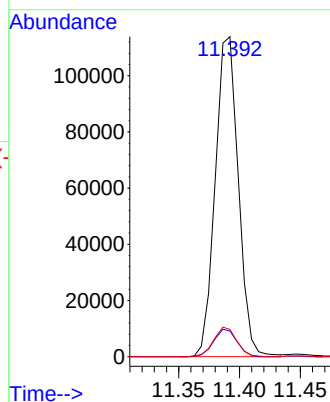
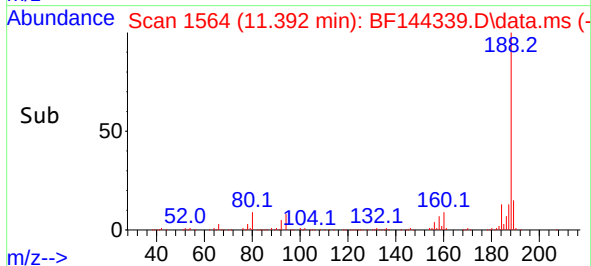


Tgt Ion:188 Resp: 15023
Ion Ratio Lower Upper
188 100
94 8.0 6.2 9.2
80 8.5 6.9 10.3

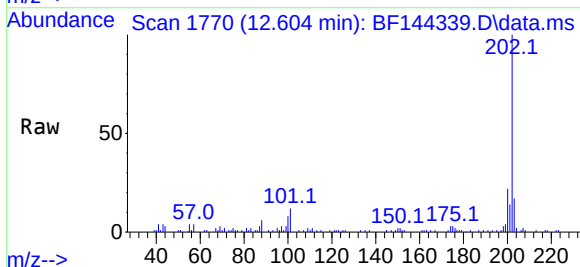
Manual Integrations

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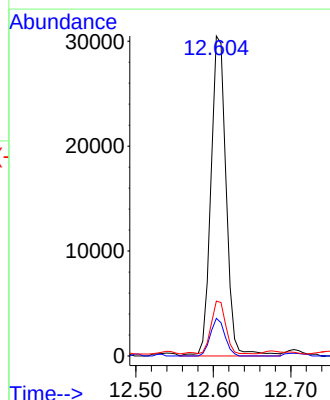
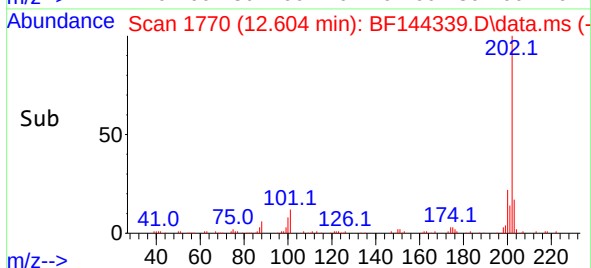
Reviewed By :Jagrut Upadhyay 11/25/2025
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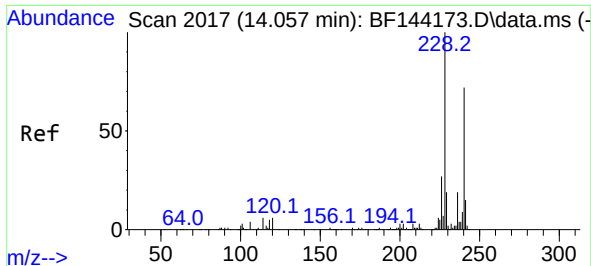


#75
Fluoranthene
Concen: 5.392 ng
RT: 12.604 min Scan# 1770
Delta R.T. -0.018 min
Lab File: BF144339.D
Acq: 24 Nov 2025 22:44



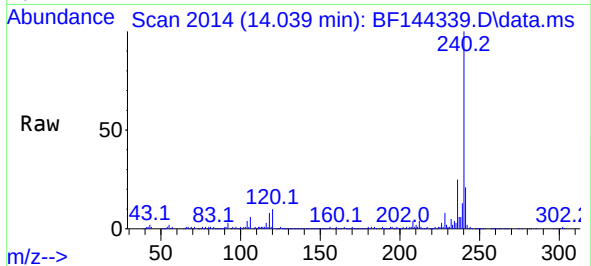
Tgt Ion:202 Resp: 41661
Ion Ratio Lower Upper
202 100
101 11.8 0.0 27.9
203 17.2 0.0 37.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF144339.D
Acq: 24 Nov 2025 22:44

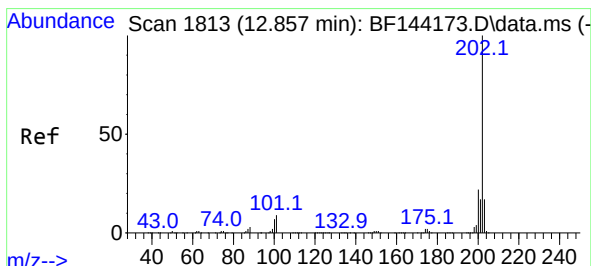
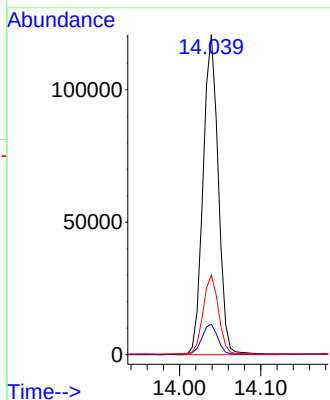
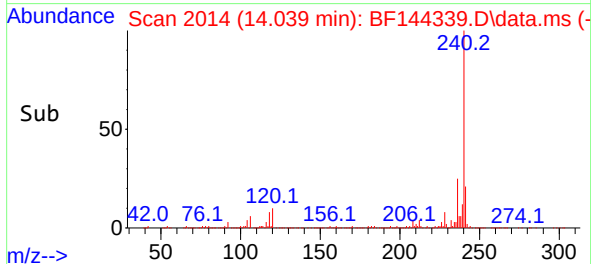
Instrument :
BNA_F
ClientSampleId :
JC-03-11212025



Tgt Ion:240 Resp: 15688
Ion Ratio Lower Upper
240 100
120 9.5 6.6 10.0
236 24.9 21.4 32.2

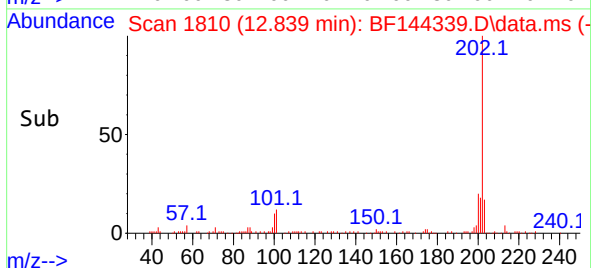
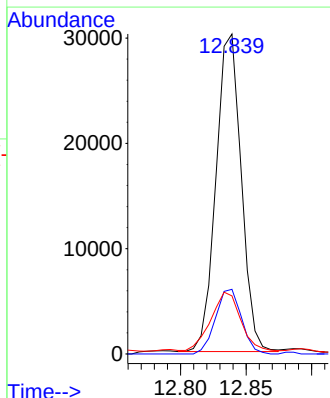
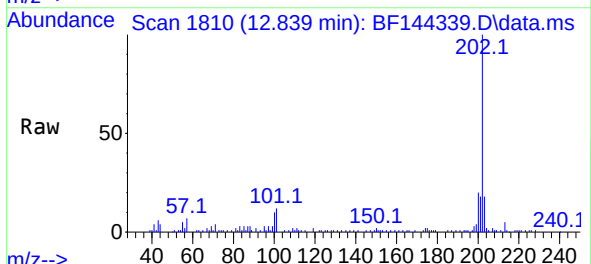
Manual Integrations
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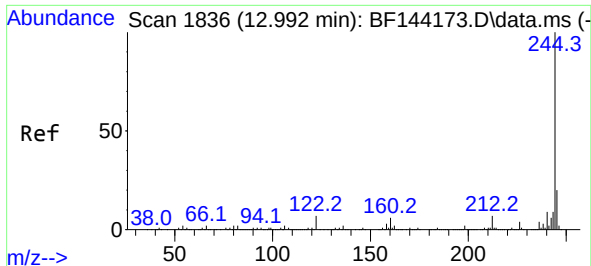
Reviewed By :Jagrut Upadhyay 11/25/2025
Supervised By :mohammad ahmed 11/26/2025



#78
Pyrene
Concen: 3.195 ng
RT: 12.839 min Scan# 1810
Delta R.T. -0.012 min
Lab File: BF144339.D
Acq: 24 Nov 2025 22:44

Tgt Ion:202 Resp: 40416
Ion Ratio Lower Upper
202 100
200 20.2 17.2 25.8
203 18.1 13.7 20.5





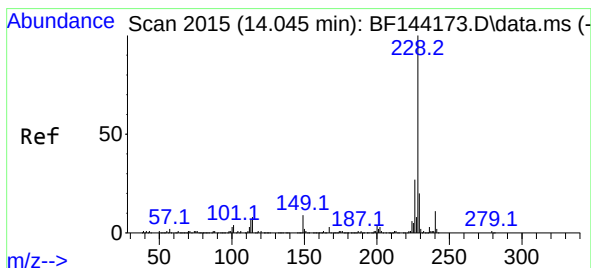
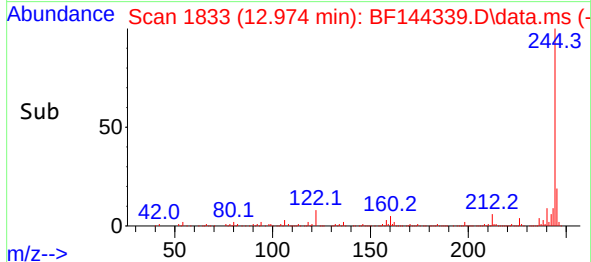
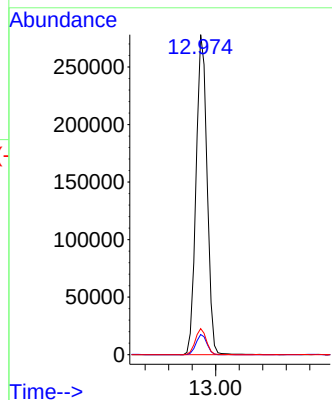
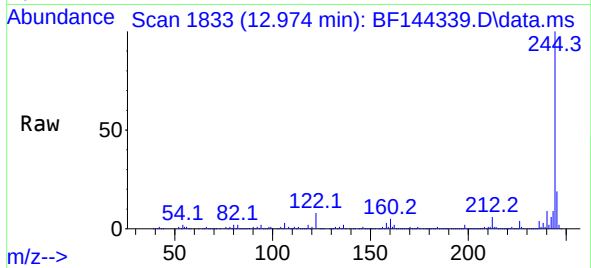
#79
Terphenyl-d14
Concen: 36.586 ng
RT: 12.974 min Scan# 1836
Delta R.T. -0.018 min
Lab File: BF144339.D
Acq: 24 Nov 2025 22:44

Instrument :
BNA_F
ClientSampleId :
JC-03-11212025

Tgt Ion:244 Resp: 361358
Ion Ratio Lower Upper
244 100
212 6.3 5.3 7.9
122 8.2 5.6 8.4

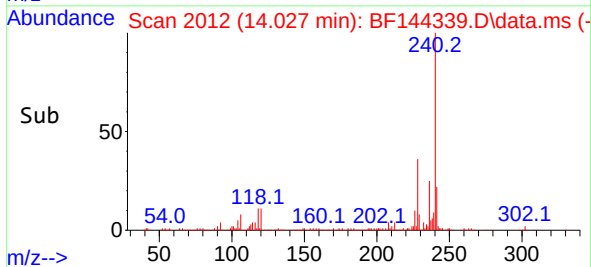
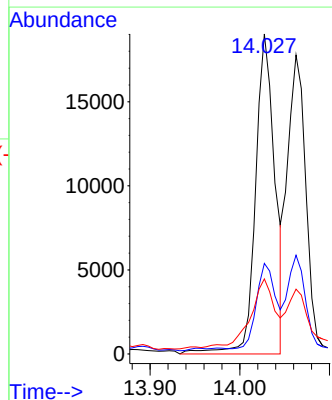
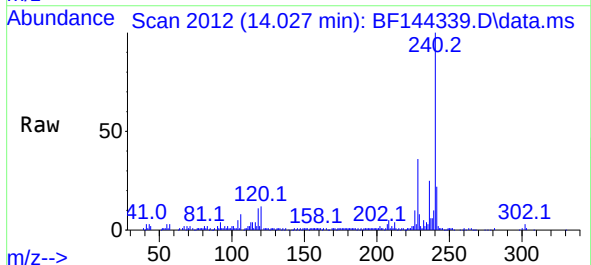
Manual Integrations
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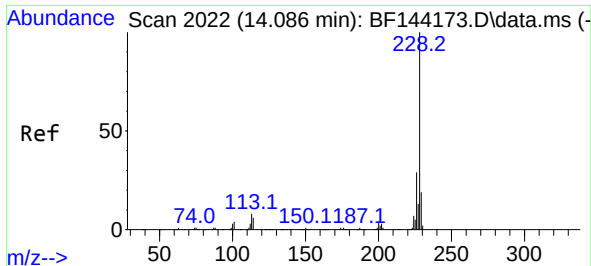
Reviewed By :Jagrut Upadhyay 11/25/2025
Supervised By :mohammad ahmed 11/26/2025



#81
Benzo(a)anthracene
Concen: 2.629 ng
RT: 14.027 min Scan# 2012
Delta R.T. -0.018 min
Lab File: BF144339.D
Acq: 24 Nov 2025 22:44

Tgt Ion:228 Resp: 28581
Ion Ratio Lower Upper
228 100
226 28.3 21.8 32.8
229 23.4 15.8 23.6





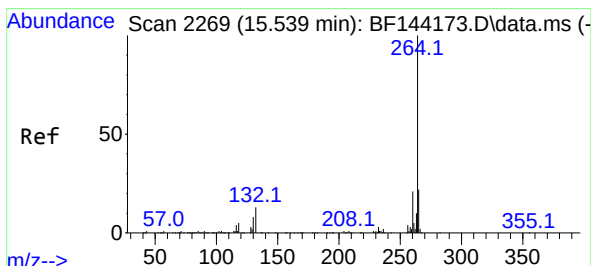
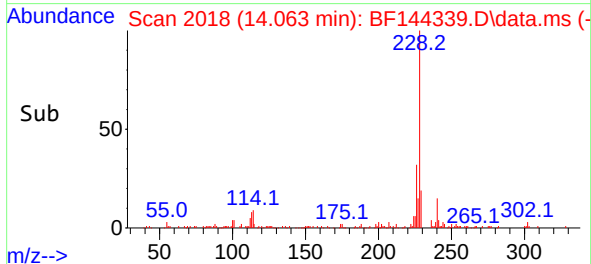
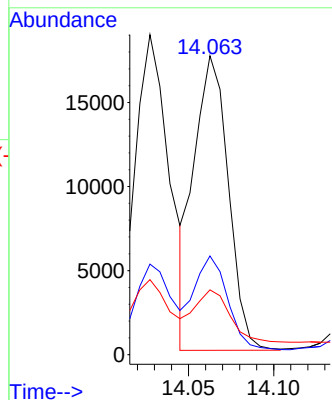
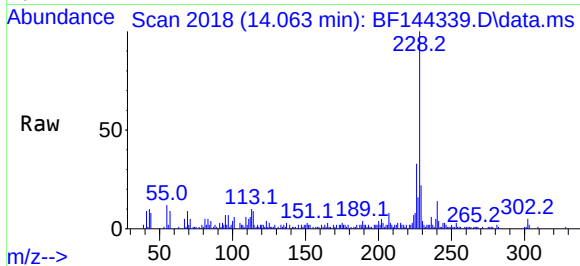
#83
Chrysene
Concen: 2.441 ng
RT: 14.063 min Scan# 2022
Delta R.T. -0.018 min
Lab File: BF144339.D
Acq: 24 Nov 2025 22:44

Instrument :
BNA_F
ClientSampleId :
JC-03-11212025

Tgt Ion:228 Resp: 2450
Ion Ratio Lower Upper
228 100
226 33.0 22.9 34.3
229 21.7 15.0 22.6

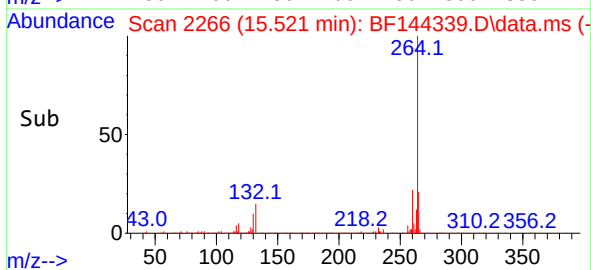
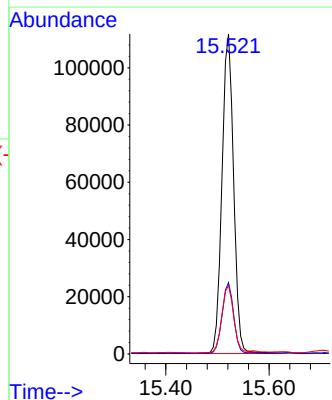
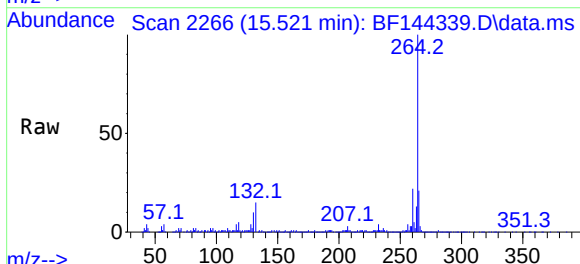
Manual Integrations
APPROVED

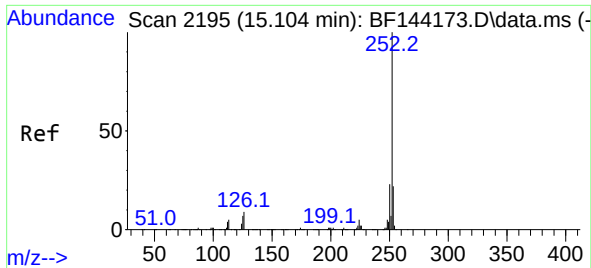
Reviewed By :Jagrut Upadhyay 11/25/2025
Supervised By :mohammad ahmed 11/26/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2266
Delta R.T. -0.018 min
Lab File: BF144339.D
Acq: 24 Nov 2025 22:44

Tgt Ion:264 Resp: 174174
Ion Ratio Lower Upper
264 100
260 22.3 17.1 25.7
265 21.4 17.4 26.0





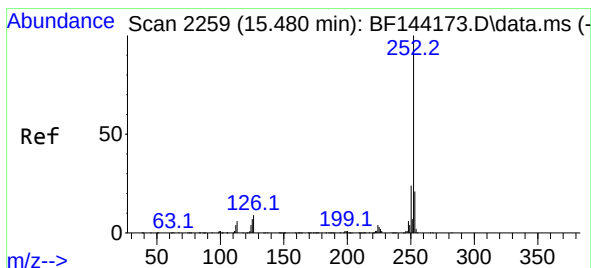
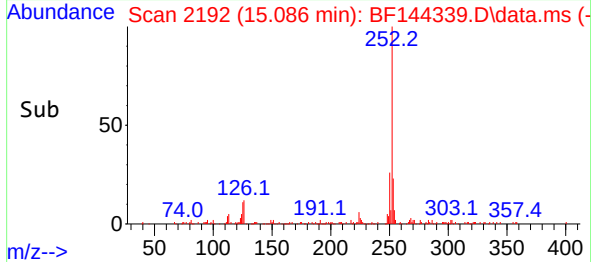
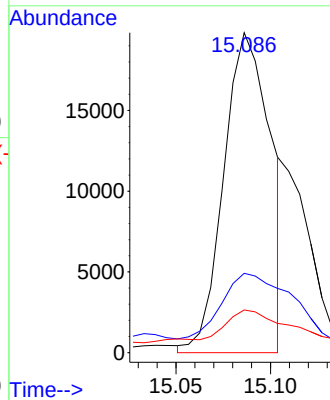
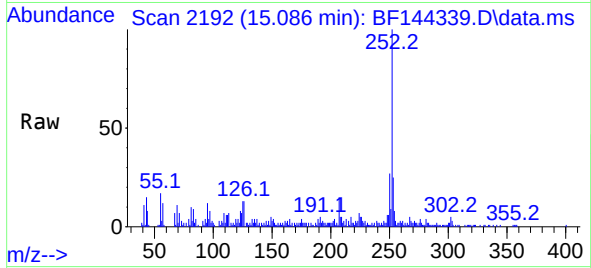
#88
Benzo(b)fluoranthene
Concen: 3.456 ng m
RT: 15.086 min Scan# 2195
Delta R.T. -0.012 min
Lab File: BF144339.D
Acq: 24 Nov 2025 22:44

Instrument :
BNA_F
ClientSampleId :
JC-03-11212025

Tgt Ion:252 Resp: 34220
Ion Ratio Lower Upper
252 100
253 24.8 17.4 26.2
125 13.3 5.3 7.9

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/25/2025
Supervised By :mohammad ahmed 11/26/2025



#90
Benzo(a)pyrene
Concen: 2.510 ng
RT: 15.457 min Scan# 2255
Delta R.T. -0.018 min
Lab File: BF144339.D
Acq: 24 Nov 2025 22:44

Tgt Ion:252 Resp: 22931
Ion Ratio Lower Upper
252 100
253 24.6 16.7 25.1
125 11.7 5.7 8.5

