

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111125\
 Data File : BF144226.D
 Acq On : 12 Nov 2025 02:52
 Operator : RC/JU
 Sample : Q3582-04 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT4912

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 11/12/2025
 Supervised By :Jagrut Upadhyay 11/12/2025

Quant Time: Nov 12 03:50:51 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	6.875	152	63469	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	220756	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	75935	20.000	ng	0.01
64) Phenanthrene-d10	11.451	188	103736	20.000	ng	# 0.05
76) Chrysene-d12	14.074	240	181757	20.000	ng	# 0.02
86) Perylene-d12	15.551	264	173943	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	59980	14.788	ng	0.00
7) Phenol-d6	6.504	99	76184	16.578	ng	0.00
23) Nitrobenzene-d5	7.433	82	41676	10.903	ng	0.00
42) 2,4,6-Tribromophenol	10.733	330	20708	21.732	ng	0.03
45) 2-Fluorobiphenyl	9.233	172	89348	17.378	ng	0.00
79) Terphenyl-d14	13.033	244	103745	9.066	ng	0.04
Target Compounds						
						Qvalue
75) Fluoranthene	12.680	202	95843	17.964	ng	# 64
81) Benzo(a)anthracene	14.068	228	75853	6.021	ng	# 83
83) Chrysene	14.104	228	97775	8.408	ng	# 89
84) Bis(2-ethylhexyl)phtha...	14.039	149	36770	5.288	ng	# 83
87) Indeno(1,2,3-cd)pyrene	17.045	276	30826	2.469	ng	99
88) Benzo(b)fluoranthene	15.115	252	88850m	8.985	ng	
89) Benzo(k)fluoranthene	15.127	252	38722m	4.183	ng	
90) Benzo(a)pyrene	15.486	252	57304	6.281	ng	# 91
92) Benzo(g,h,i)perylene	17.498	276	34146	3.448	ng	# 95

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

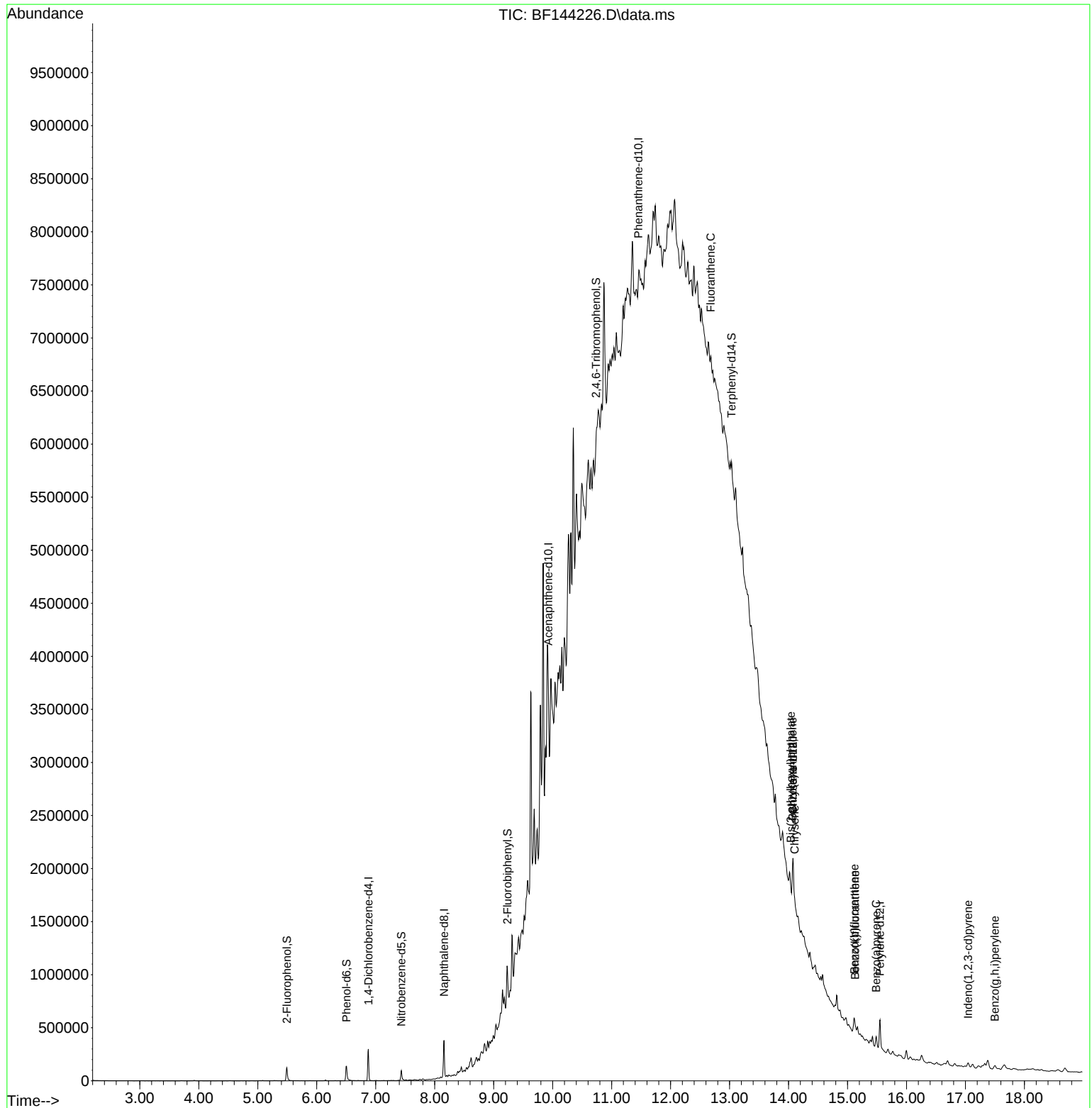
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111125\
Data File : BF144226.D
Acq On : 12 Nov 2025 02:52
Operator : RC/JU
Sample : Q3582-04 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

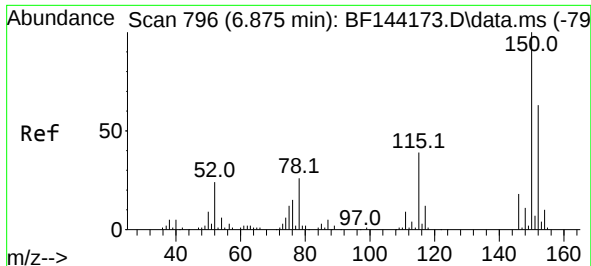
Instrument :
BNA_F
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Quant Time: Nov 12 03:50:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration

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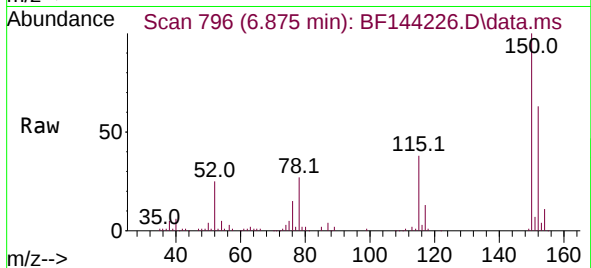
Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Jagrut Upadhyay 11/12/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 796
Delta R.T. -0.000 min
Lab File: BF144226.D
Acq: 12 Nov 2025 02:52

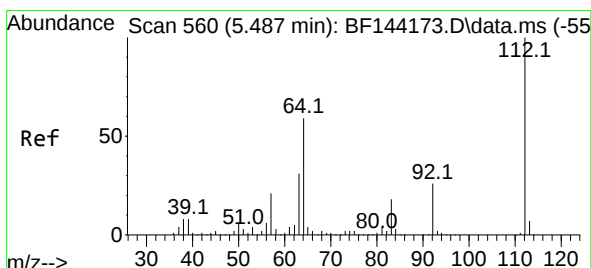
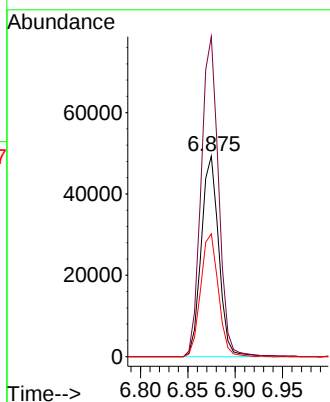
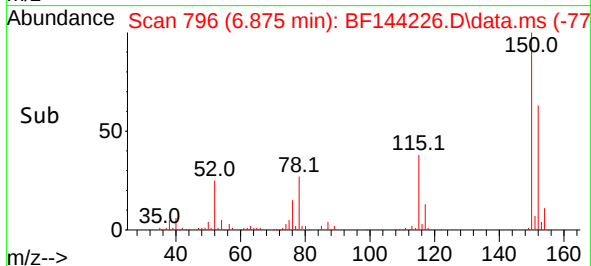
Instrument :
BNA_F
ClientSampleId :
RT4912



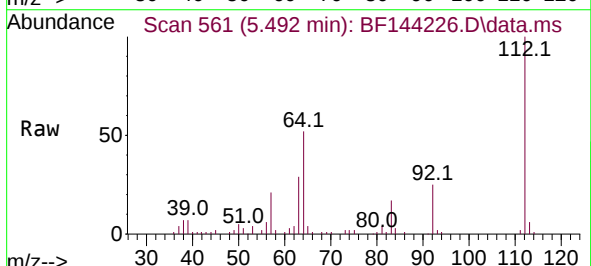
Tgt Ion:152 Resp: 63469
Ion Ratio Lower Upper
152 100
150 159.5 127.4 191.0
115 61.2 49.5 74.3

Manual Integrations
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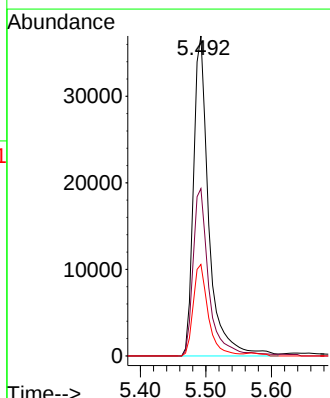
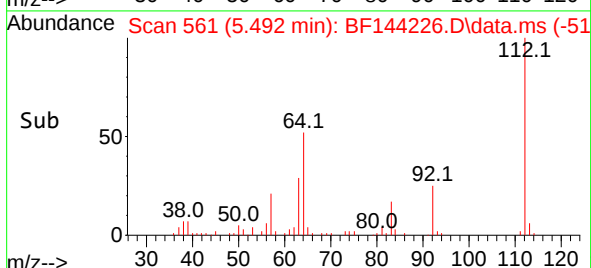
Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Jagrut Upadhyay 11/12/2025



#5
2-Fluorophenol
Concen: 14.788 ng
RT: 5.492 min Scan# 561
Delta R.T. -0.000 min
Lab File: BF144226.D
Acq: 12 Nov 2025 02:52



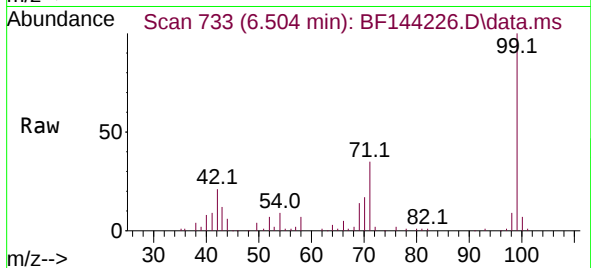
Tgt Ion:112 Resp: 59980
Ion Ratio Lower Upper
112 100
64 52.3 47.2 70.8
63 28.6 24.4 36.6





#7
Phenol-d6
Concen: 16.578 ng
RT: 6.504 min Scan# 733
Delta R.T. 0.006 min
Lab File: BF144226.D
Acq: 12 Nov 2025 02:52

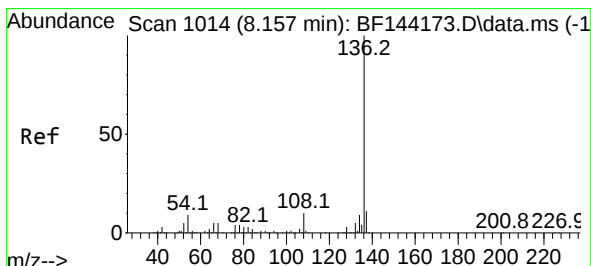
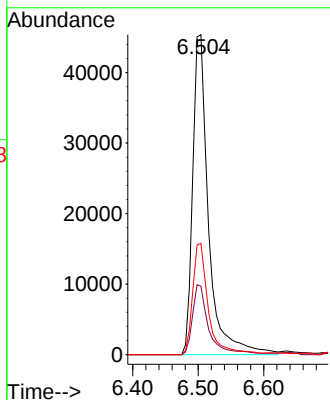
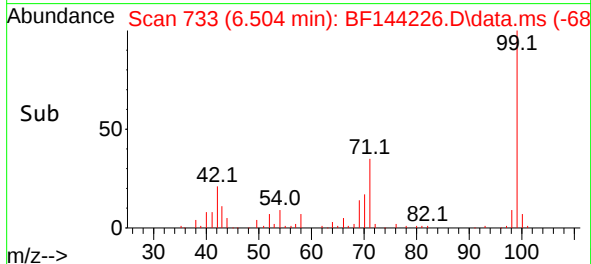
Instrument :
BNA_F
ClientSampleId :
RT4912



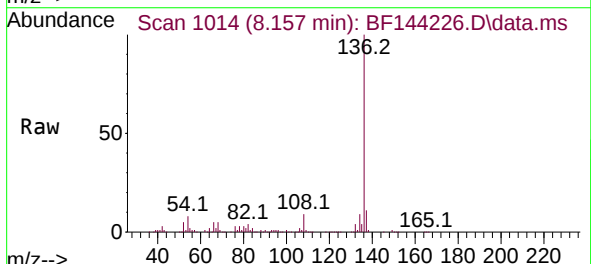
Tgt Ion: 99 Resp: 76184
Ion Ratio Lower Upper
99 100
42 21.4 20.9 31.3
71 34.8 31.4 47.2

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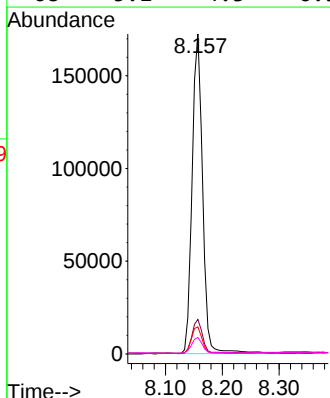
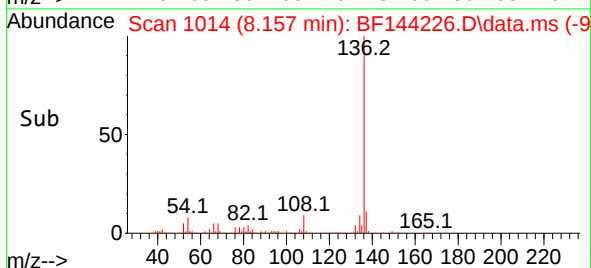
Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Jagrut Upadhyay 11/12/2025

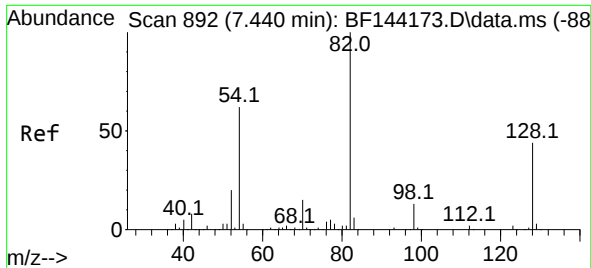


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.000 min
Lab File: BF144226.D
Acq: 12 Nov 2025 02:52



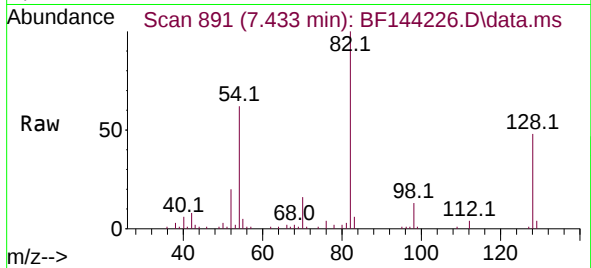
Tgt Ion:136 Resp: 220756
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.4 7.0 10.6
68 5.1 4.3 6.5





#23
Nitrobenzene-d5
Concen: 10.903 ng
RT: 7.433 min Scan# 89
Delta R.T. -0.000 min
Lab File: BF144226.D
Acq: 12 Nov 2025 02:52

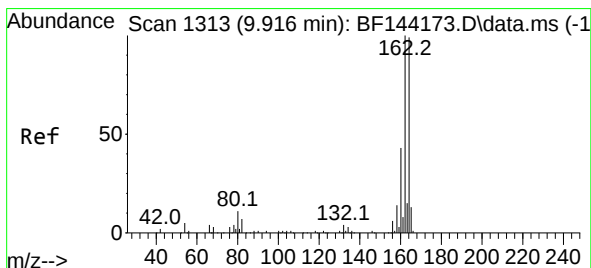
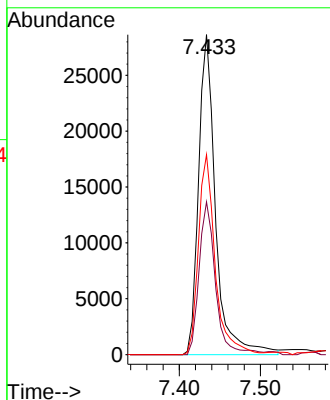
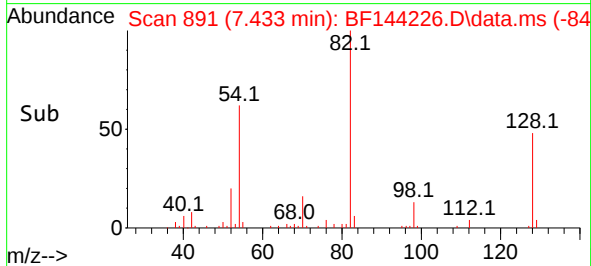
Instrument :
BNA_F
ClientSampleId :
RT4912



Tgt Ion: 82 Resp: 41676
Ion Ratio Lower Upper
82 100
128 47.7 34.7 52.1
54 62.5 49.5 74.3

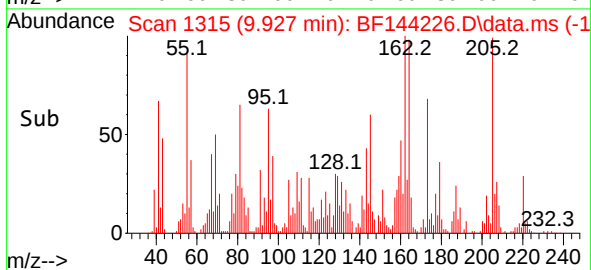
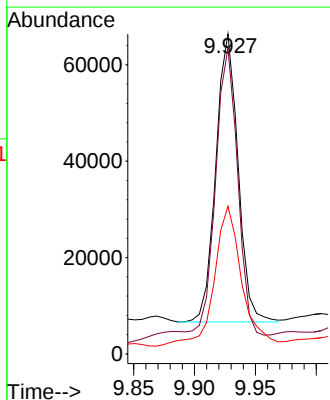
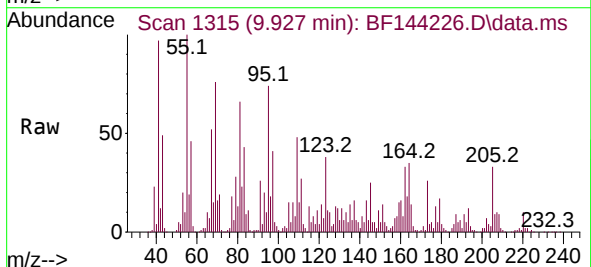
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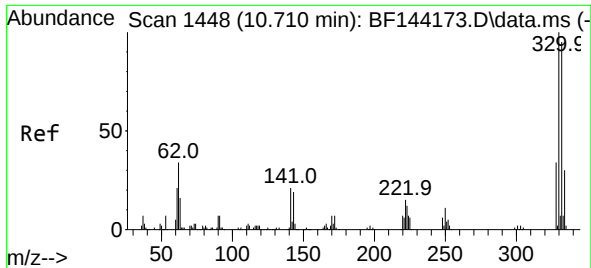
Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Jagrut Upadhyay 11/12/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.927 min Scan# 1315
Delta R.T. 0.011 min
Lab File: BF144226.D
Acq: 12 Nov 2025 02:52

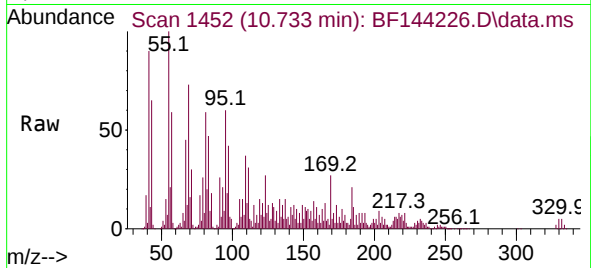
Tgt Ion:164 Resp: 75935
Ion Ratio Lower Upper
164 100
162 95.5 81.1 121.7
160 46.1 34.5 51.7





#42
2,4,6-Tribromophenol
Concen: 21.732 ng
RT: 10.733 min Scan# 1448
Delta R.T. 0.029 min
Lab File: BF144226.D
Acq: 12 Nov 2025 02:52

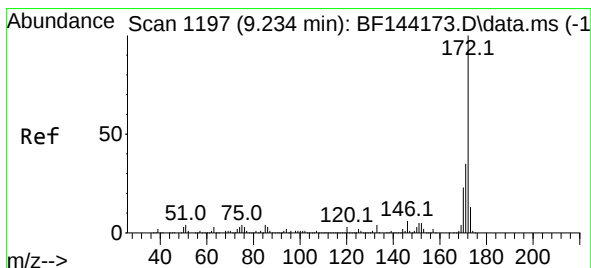
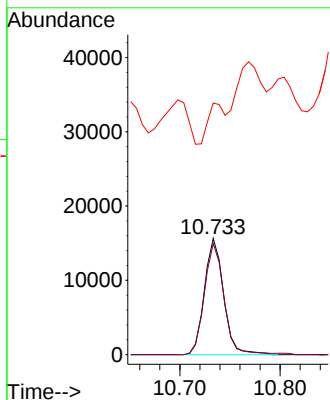
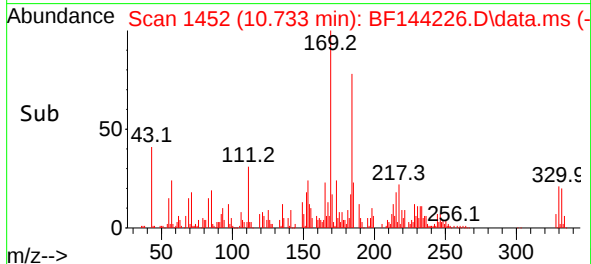
Instrument :
BNA_F
ClientSampleId :
RT4912



Tgt Ion: 330 Resp: 20708
Ion Ratio Lower Upper
330 100
332 98.3 76.7 115.1
141 30.4 17.8 26.8

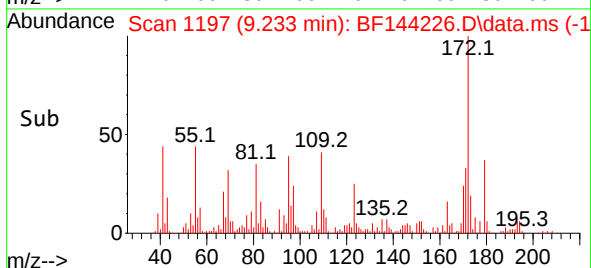
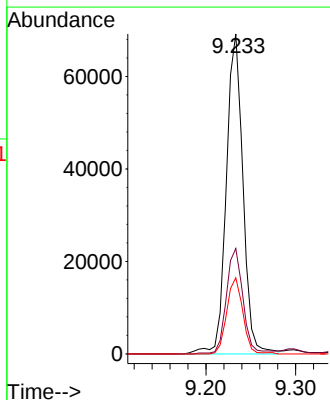
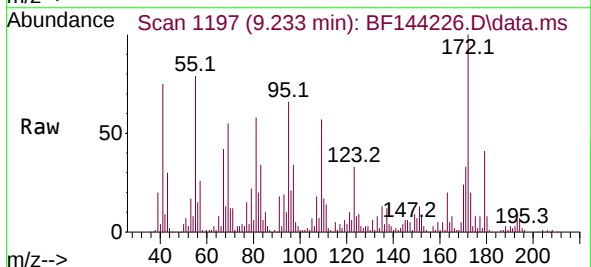
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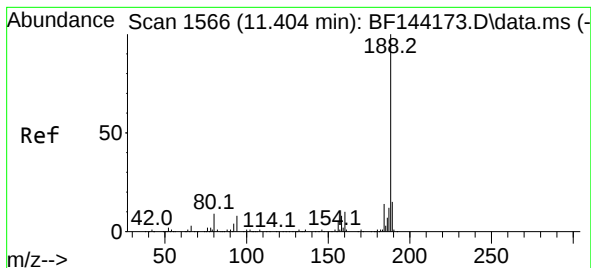
Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Jagrut Upadhyay 11/12/2025



#45
2-Fluorobiphenyl
Concen: 17.378 ng
RT: 9.233 min Scan# 1197
Delta R.T. 0.006 min
Lab File: BF144226.D
Acq: 12 Nov 2025 02:52

Tgt Ion: 172 Resp: 89348
Ion Ratio Lower Upper
172 100
171 32.9 28.1 42.1
170 23.8 18.6 28.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.451 min Scan# 11

Delta R.T. 0.047 min

Lab File: BF144226.D

Acq: 12 Nov 2025 02:52

Instrument :

BNA_F

ClientSampleId :

RT4912

Tgt Ion:188 Resp: 103736

Ion Ratio Lower Upper

188 100

94 46.8 6.2 9.2

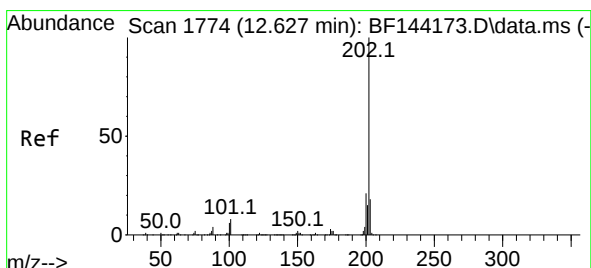
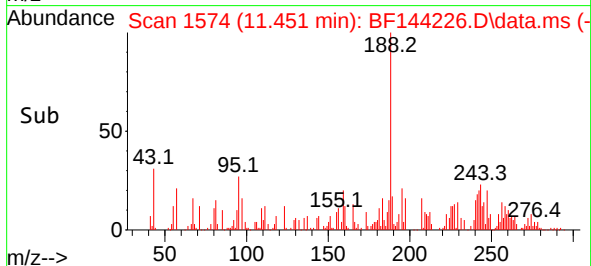
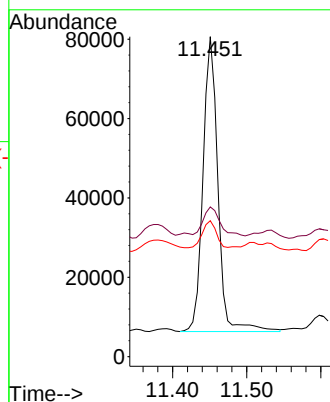
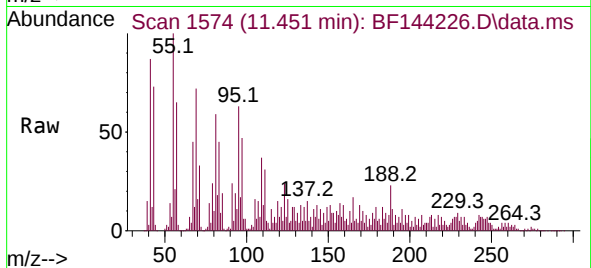
80 42.5 6.9 10.3

Manual Integrations

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#75

Fluoranthene

Concen: 17.964 ng

RT: 12.680 min Scan# 1783

Delta R.T. 0.059 min

Lab File: BF144226.D

Acq: 12 Nov 2025 02:52

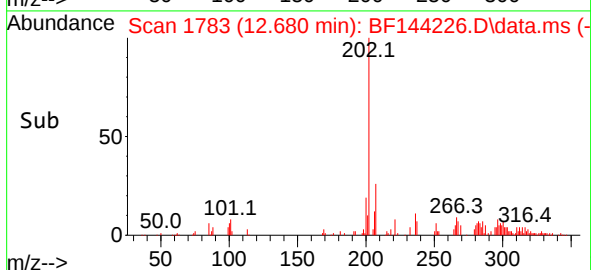
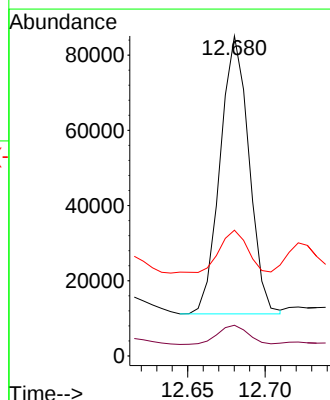
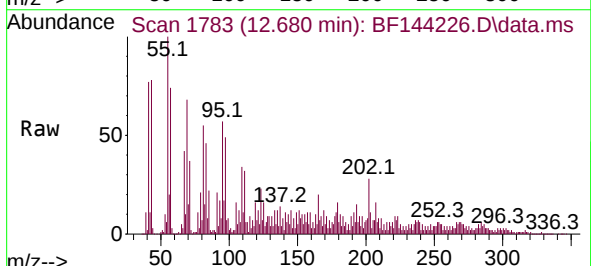
Tgt Ion:202 Resp: 95843

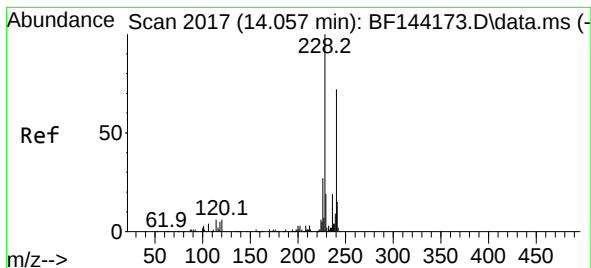
Ion Ratio Lower Upper

202 100

101 9.6 0.0 27.9

203 39.3 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.074 min Scan# 20

Delta R.T. 0.023 min

Lab File: BF144226.D

Acq: 12 Nov 2025 02:52

Instrument :

BNA_F

ClientSampleId :

RT4912

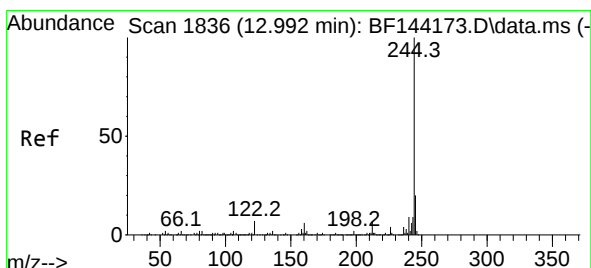
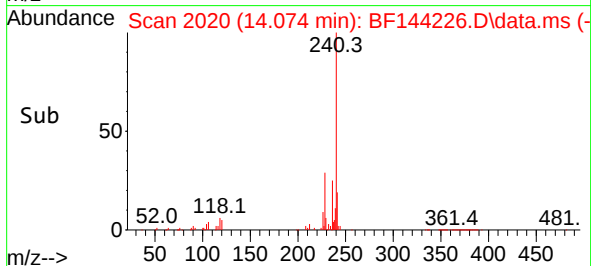
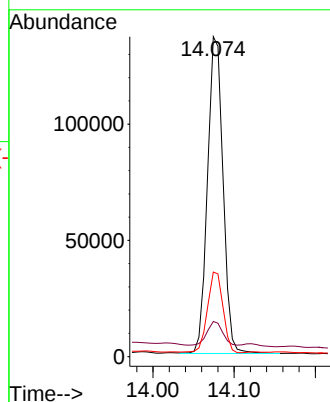
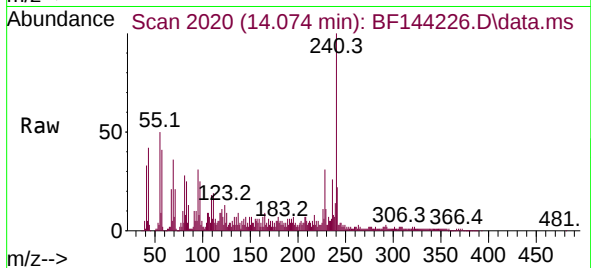
Tgt Ion:240 Resp: 181752
 Ion Ratio Lower Upper
 240 100
 120 11.0 6.6 10.0#
 236 26.4 21.4 32.2

Manual Integrations

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Supervised By :Jagrut Upadhyay 11/12/2025



#79

Terphenyl-d14

Concen: 9.066 ng

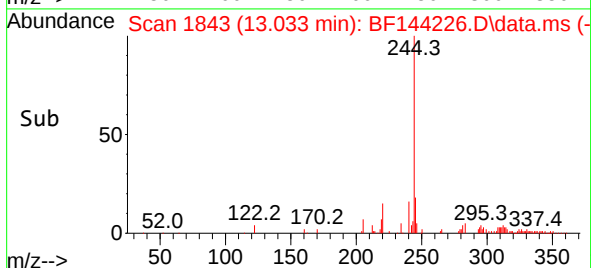
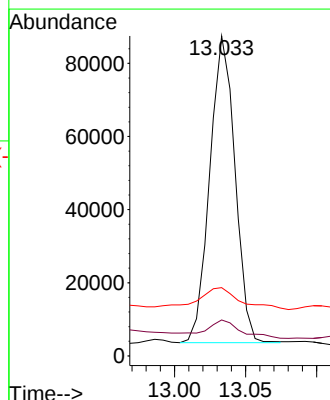
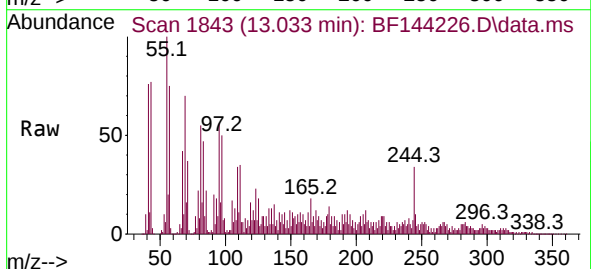
RT: 13.033 min Scan# 1843

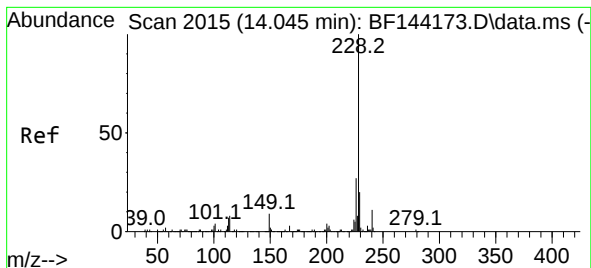
Delta R.T. 0.041 min

Lab File: BF144226.D

Acq: 12 Nov 2025 02:52

Tgt Ion:244 Resp: 103745
 Ion Ratio Lower Upper
 244 100
 212 11.2 5.3 7.9#
 122 21.3 5.6 8.4#





#81

Benzo(a)anthracene

Concen: 6.021 ng

RT: 14.068 min Scan# 20

Delta R.T. 0.023 min

Lab File: BF144226.D

Acq: 12 Nov 2025 02:52

Instrument :

BNA_F

ClientSampleId :

RT4912

Tgt Ion:228 Resp: 7585

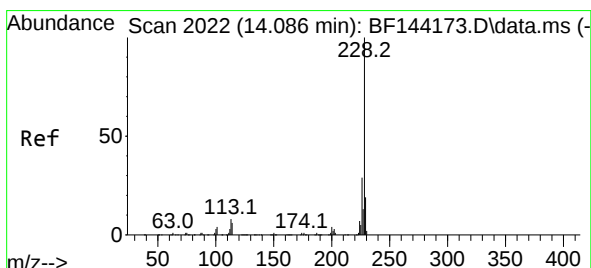
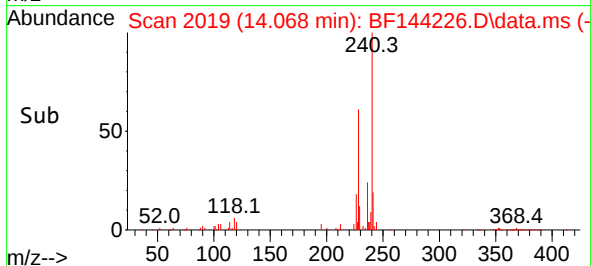
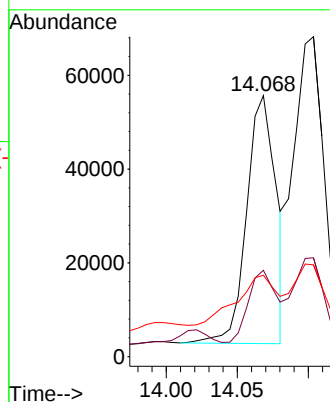
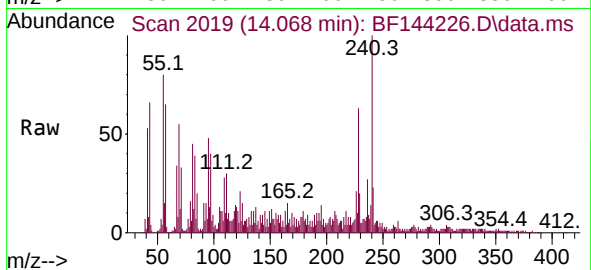
Ion	Ratio	Lower	Upper
228	100		
226	33.1	21.8	32.8
229	31.2	15.8	23.6

Manual Integrations

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Supervised By :Jagrut Upadhyay 11/12/2025



#83

Chrysene

Concen: 8.408 ng

RT: 14.104 min Scan# 2025

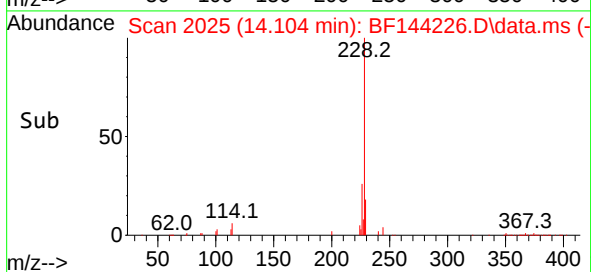
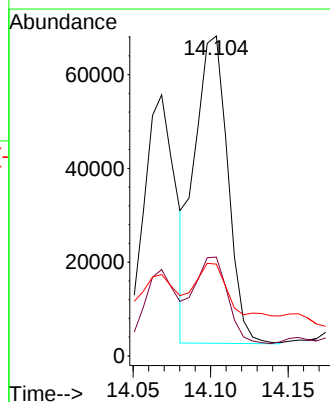
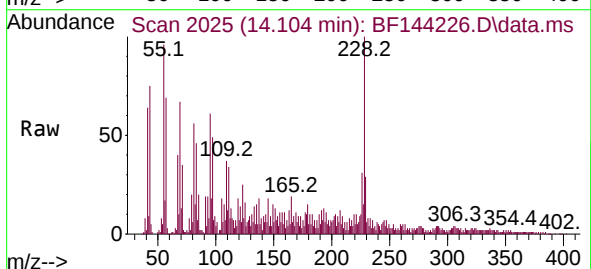
Delta R.T. 0.023 min

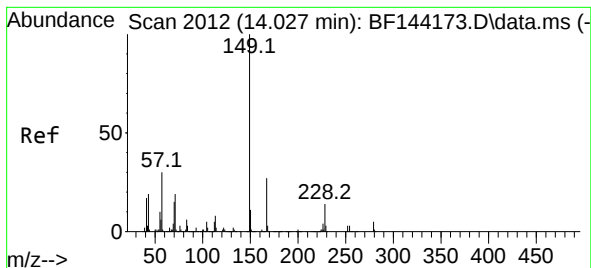
Lab File: BF144226.D

Acq: 12 Nov 2025 02:52

Tgt Ion:228 Resp: 97775

Ion	Ratio	Lower	Upper
228	100		
226	30.9	22.9	34.3
229	28.7	15.0	22.6





#84
Bis(2-ethylhexyl)phthalate
Concen: 5.288 ng
RT: 14.039 min Scan# 2012
Delta R.T. 0.012 min
Lab File: BF144226.D
Acq: 12 Nov 2025 02:52

Instrument :

BNA_F

ClientSampleId :

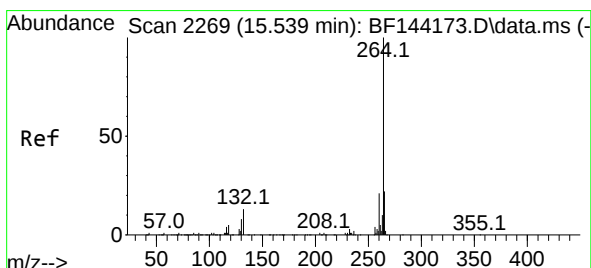
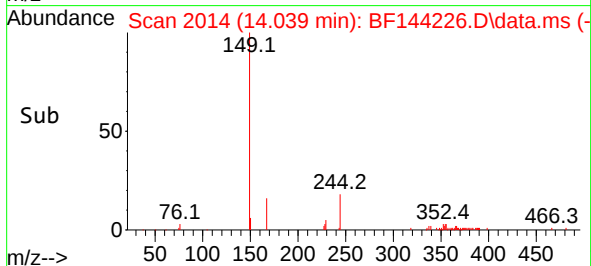
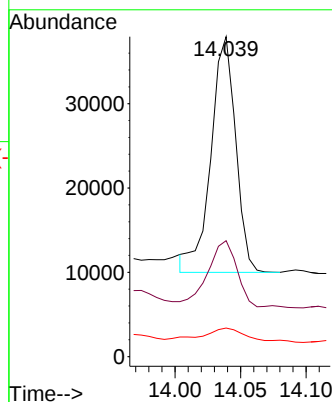
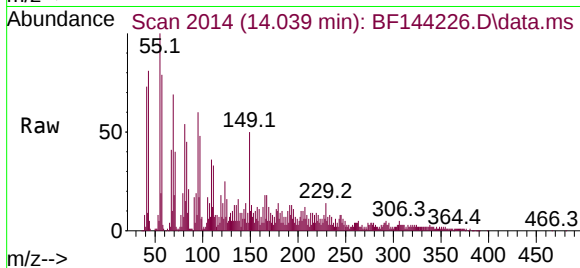
RT4912

Tgt Ion:149 Resp: 36770
Ion Ratio Lower Upper
149 100
167 36.2 21.8 32.8
279 8.9 3.7 5.5

Manual Integrations

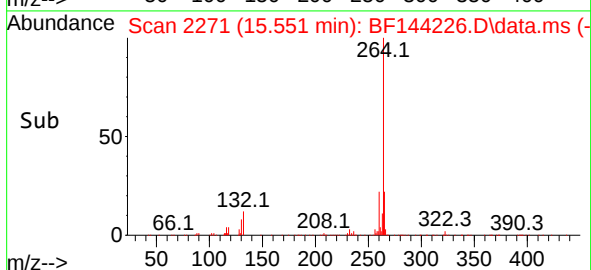
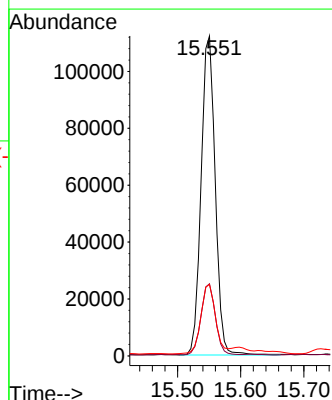
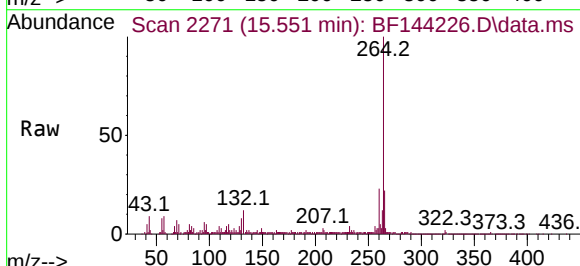
APPROVED

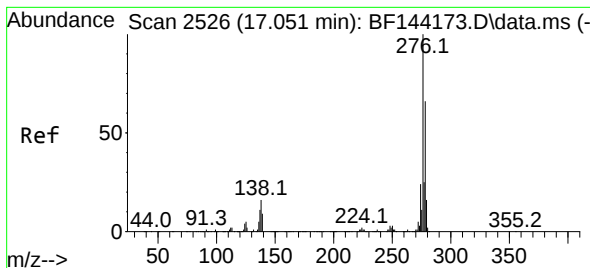
Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Jagrut Upadhyay 11/12/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 2271
Delta R.T. 0.012 min
Lab File: BF144226.D
Acq: 12 Nov 2025 02:52

Tgt Ion:264 Resp: 173943
Ion Ratio Lower Upper
264 100
260 22.5 17.1 25.7
265 22.4 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.469 ng

RT: 17.045 min Scan# 2197

Delta R.T. 0.012 min

Lab File: BF144226.D

Acq: 12 Nov 2025 02:52

Instrument :

BNA_F

ClientSampleId :

RT4912

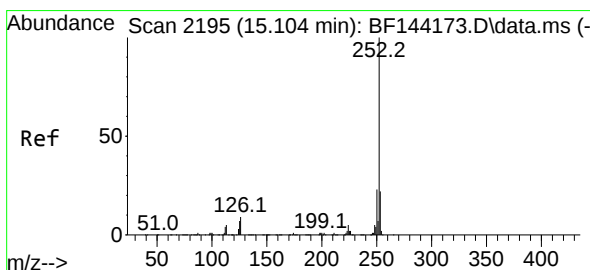
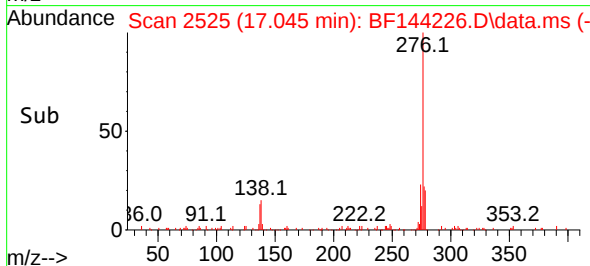
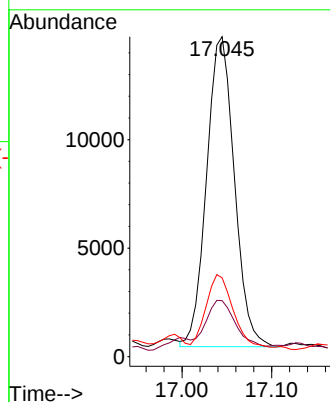
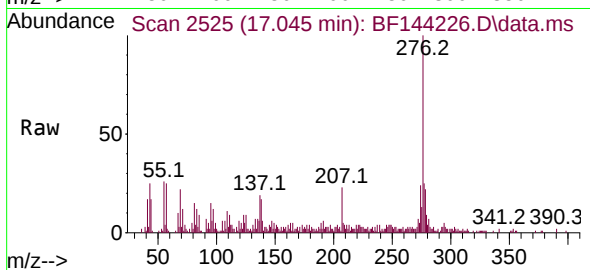
Tgt Ion:276 Resp: 30826
 Ion Ratio Lower Upper
 276 100
 138 16.8 13.9 20.9
 277 24.6 19.8 29.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 11/12/2025

Supervised By :Jagrut Upadhyay 11/12/2025



#88

Benzo(b)fluoranthene

Concen: 8.985 ng m

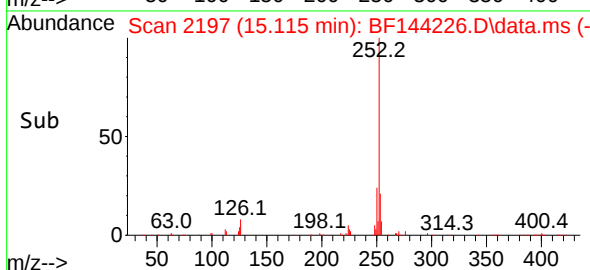
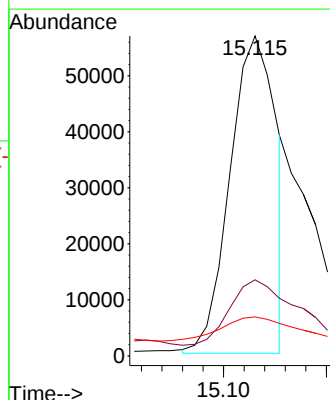
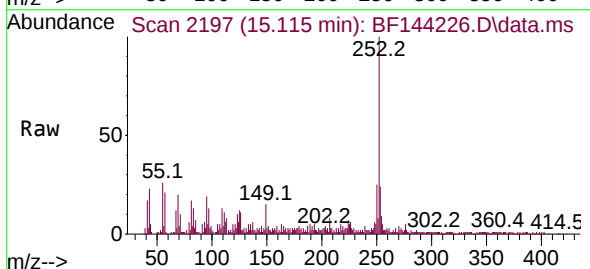
RT: 15.115 min Scan# 2197

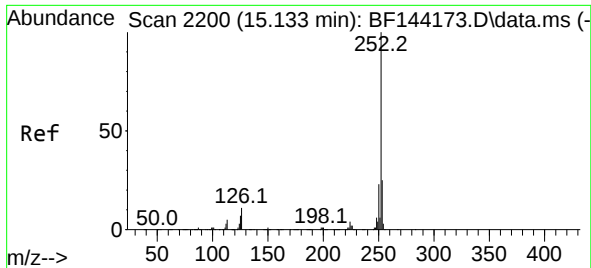
Delta R.T. 0.017 min

Lab File: BF144226.D

Acq: 12 Nov 2025 02:52

Tgt Ion:252 Resp: 88850
 Ion Ratio Lower Upper
 252 100
 253 23.8 17.4 26.2
 125 12.2 5.3 7.9#





#89

Benzo(k)fluoranthene

Concen: 4.183 ng m

RT: 15.127 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF144226.D

Acq: 12 Nov 2025 02:52

Instrument :

BNA_F

ClientSampleId :

RT4912

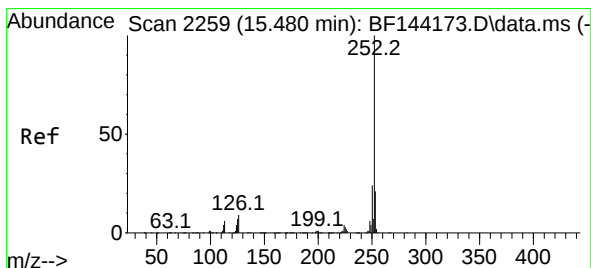
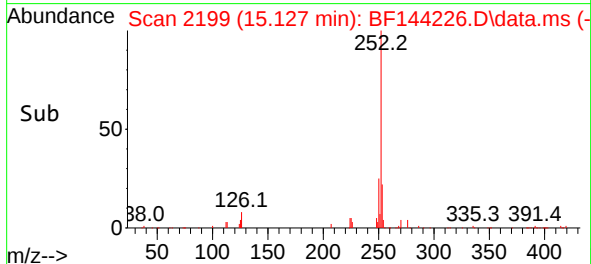
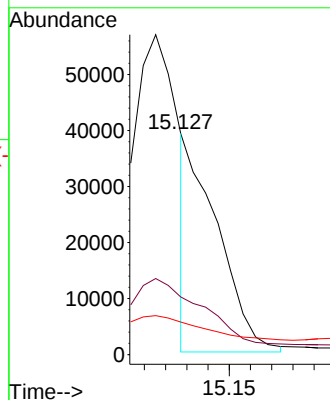
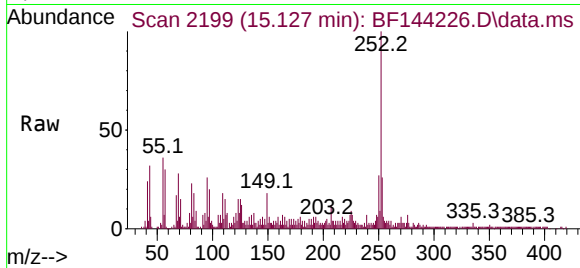
Tgt Ion:252 Resp: 38722
 Ion Ratio Lower Upper
 252 100
 253 26.1 18.0 27.0
 125 14.7 5.4 8.2

Manual Integrations

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Reviewed By :Rahul Chavli 11/12/2025

Supervised By :Jagrut Upadhyay 11/12/2025



#90

Benzo(a)pyrene

Concen: 6.281 ng

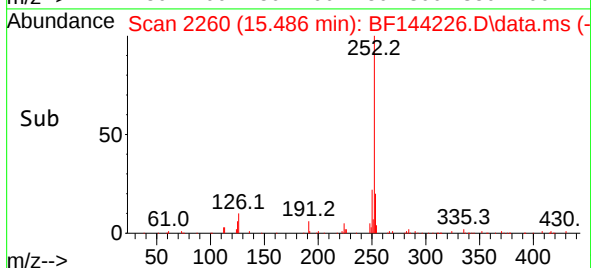
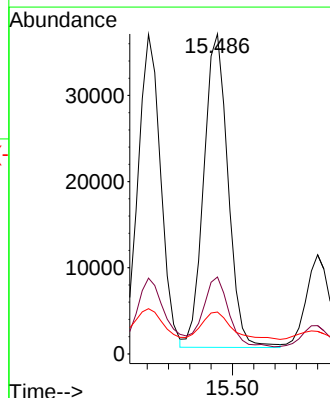
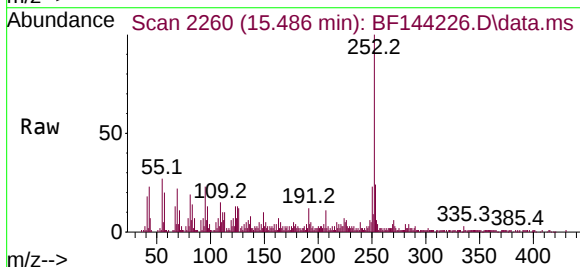
RT: 15.486 min Scan# 2260

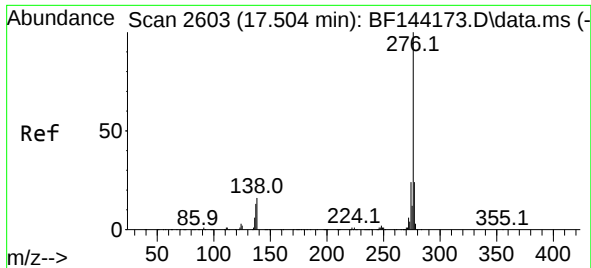
Delta R.T. 0.012 min

Lab File: BF144226.D

Acq: 12 Nov 2025 02:52

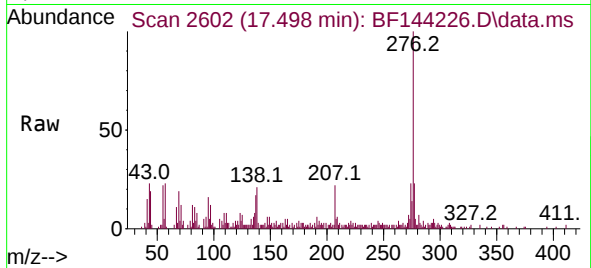
Tgt Ion:252 Resp: 57304
 Ion Ratio Lower Upper
 252 100
 253 24.0 16.7 25.1
 125 13.1 5.7 8.5





#92
Benzo(g,h,i)perylene
Concen: 3.448 ng
RT: 17.498 min Scan# 20
Delta R.T. 0.006 min
Lab File: BF144226.D
Acq: 12 Nov 2025 02:52

Instrument :
BNA_F
ClientSampleId :
RT4912



Tgt Ion:276 Resp: 34146
Ion Ratio Lower Upper
276 100
277 23.2 19.0 28.4
138 20.6 12.9 19.3

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Jagrut Upadhyay 11/12/2025

