

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120125\
 Data File : BF144388.D
 Acq On : 01 Dec 2025 15:45
 Operator : RC/JU
 Sample : Q3719-11
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1125-16A

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
 Supervised By :mohammad ahmed 12/03/2025

Quant Time: Dec 01 16:08:50 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	47886	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	176365	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	87150	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	137127	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	130274	20.000	ng	0.00
86) Perylene-d12	15.527	264	154506	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	280528	91.674	ng	0.00
7) Phenol-d6	6.498	99	306713	88.459	ng	0.00
23) Nitrobenzene-d5	7.422	82	191621	62.751	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	81698	74.703	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	351776	59.616	ng	-0.01
79) Terphenyl-d14	12.980	244	342831	41.801	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.416	178	38898	5.697	ng	98
75) Fluoranthene	12.610	202	76723	10.879	ng	98
78) Pyrene	12.839	202	71799	6.835	ng	96
81) Benzo(a)anthracene	14.033	228	45679	5.059	ng	97
83) Chrysene	14.068	228	37385m	4.485	ng	
84) Bis(2-ethylhexyl)phtha...	14.010	149	14718	2.953	ng	# 92
88) Benzo(b)fluoranthene	15.092	252	57412m	6.536	ng	
89) Benzo(k)fluoranthene	15.110	252	16485m	2.005	ng	
90) Benzo(a)pyrene	15.463	252	40123	4.951	ng	# 93

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

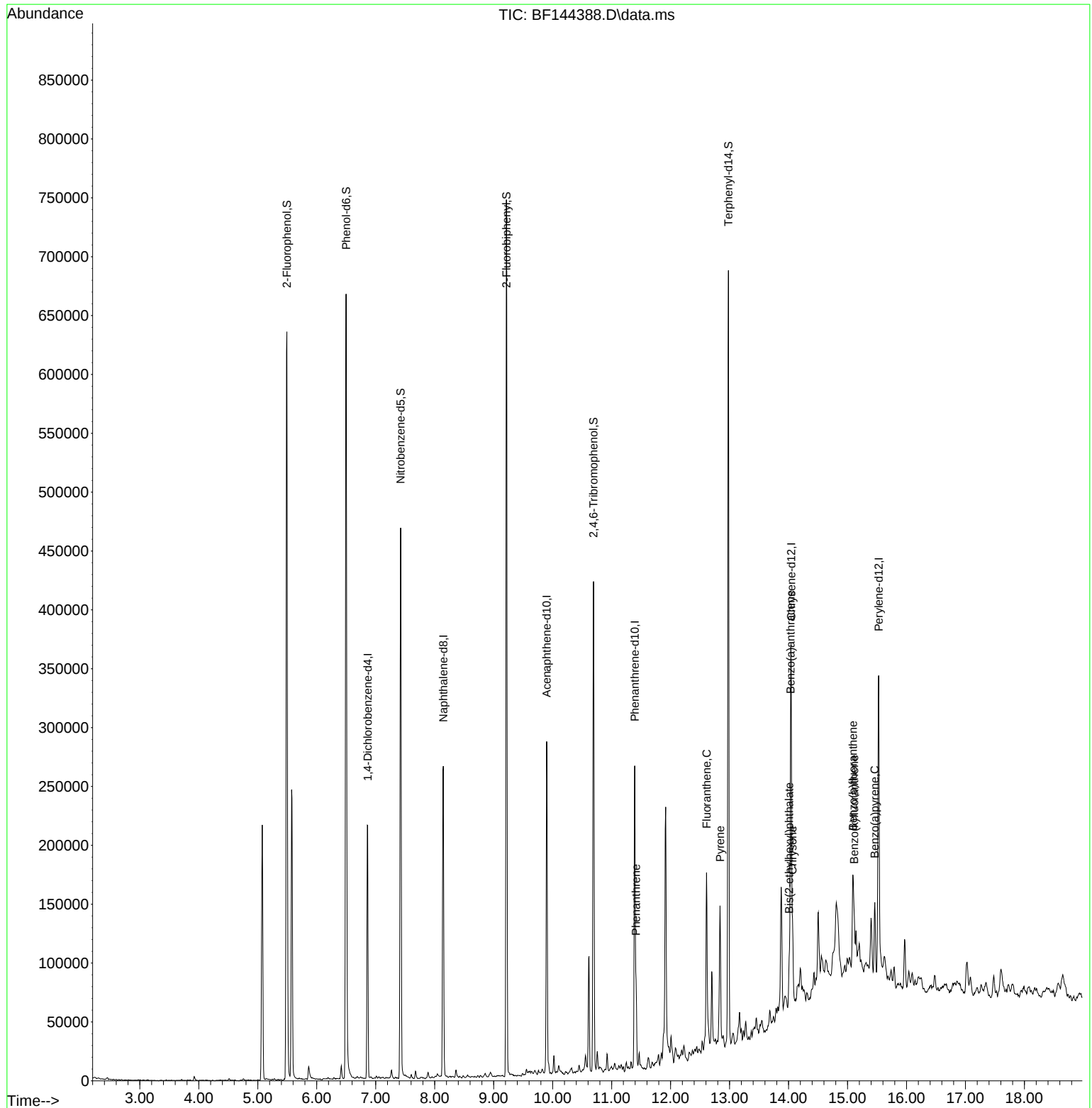
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120125\
Data File : BF144388.D
Acq On : 01 Dec 2025 15:45
Operator : RC/JU
Sample : Q3719-11
Misc :
ALS Vial : 8 Sample Multiplier: 1

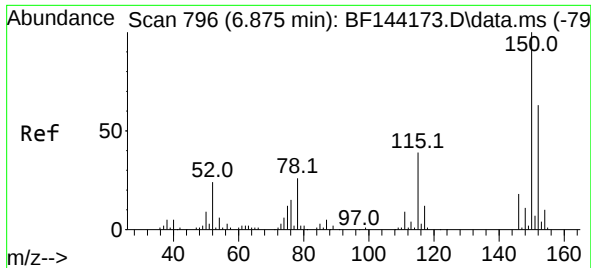
Instrument :
BNA_F
ClientSampleId :
SB-1125-16A

Quant Time: Dec 01 16:08:50 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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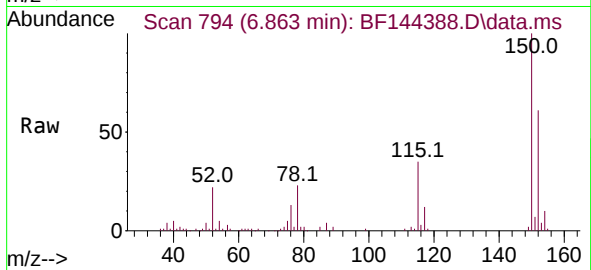
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF144388.D
Acq: 01 Dec 2025 15:45

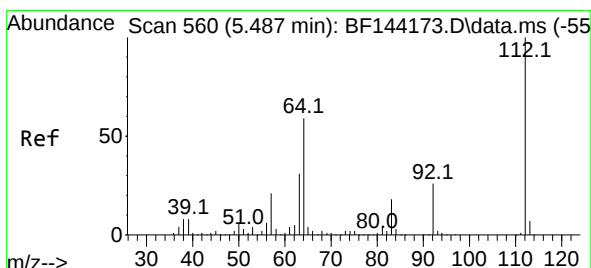
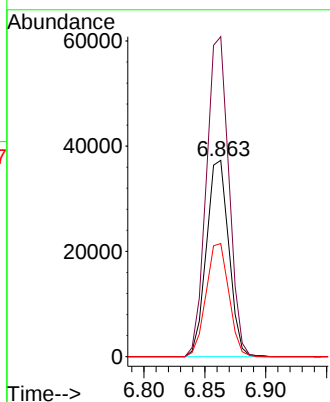
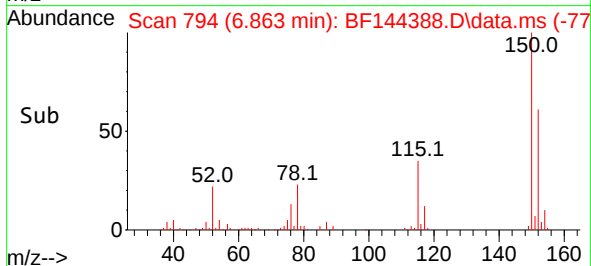
Instrument :
BNA_F
ClientSampleId :
SB-1125-16A



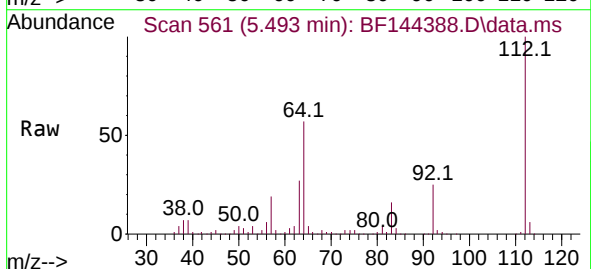
Tgt Ion:152 Resp: 47886
Ion Ratio Lower Upper
152 100
150 163.1 127.4 191.0
115 57.6 49.5 74.3

Manual Integrations
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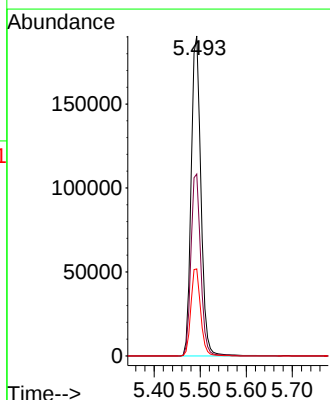
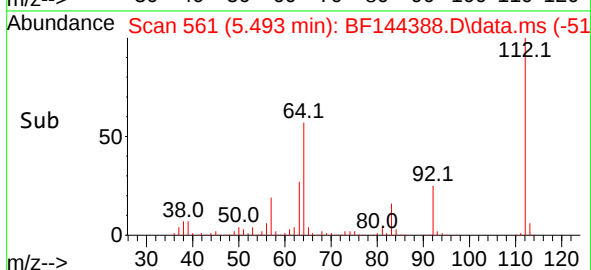
Reviewed By :Jagrut Upadhyay 12/02/2025
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#5
2-Fluorophenol
Concen: 91.674 ng
RT: 5.493 min Scan# 561
Delta R.T. -0.000 min
Lab File: BF144388.D
Acq: 01 Dec 2025 15:45



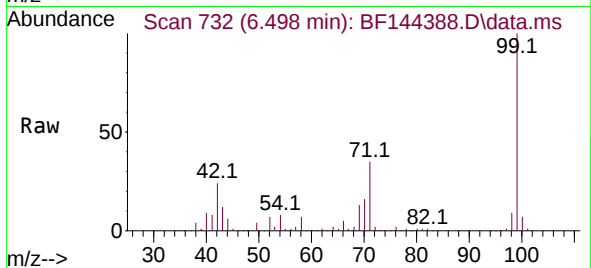
Tgt Ion:112 Resp: 280528
Ion Ratio Lower Upper
112 100
64 56.8 47.2 70.8
63 27.2 24.4 36.6





#7
Phenol-d6
Concen: 88.459 ng
RT: 6.498 min Scan# 733
Delta R.T. -0.000 min
Lab File: BF144388.D
Acq: 01 Dec 2025 15:45

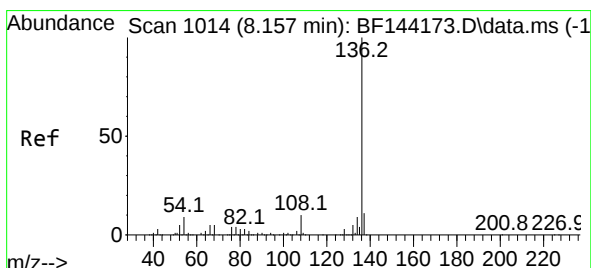
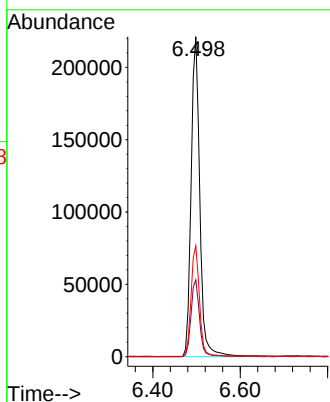
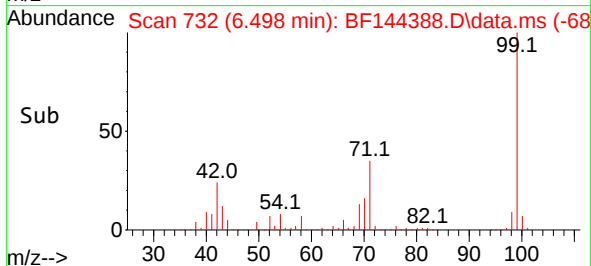
Instrument :
BNA_F
ClientSampleId :
SB-1125-16A



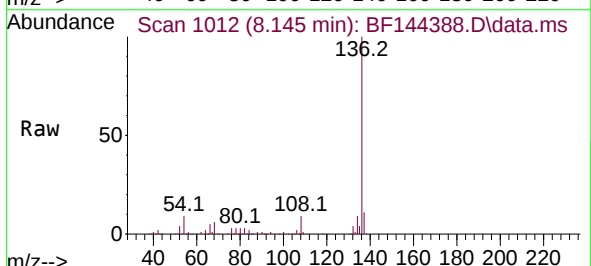
Tgt Ion: 99 Resp: 306713
Ion Ratio Lower Upper
99 100
42 24.0 20.9 31.3
71 34.6 31.4 47.2

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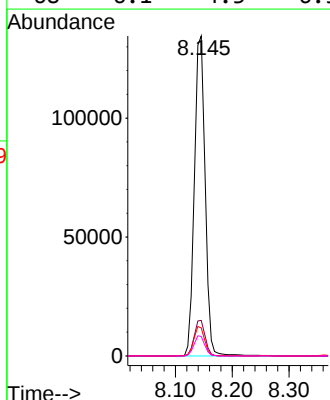
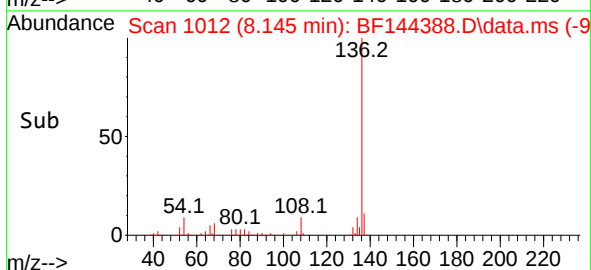
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

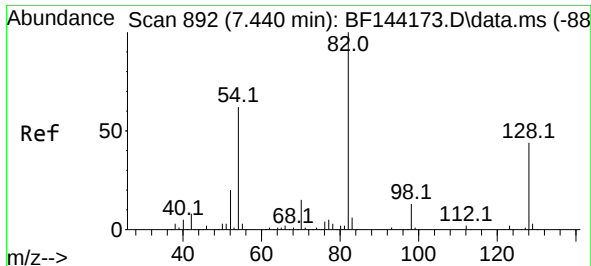


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF144388.D
Acq: 01 Dec 2025 15:45



Tgt Ion:136 Resp: 176365
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 8.7 7.0 10.6
68 6.1 4.3 6.5





#23

Nitrobenzene-d5

Concen: 62.751 ng

RT: 7.422 min Scan# 889

Delta R.T. -0.012 min

Lab File: BF144388.D

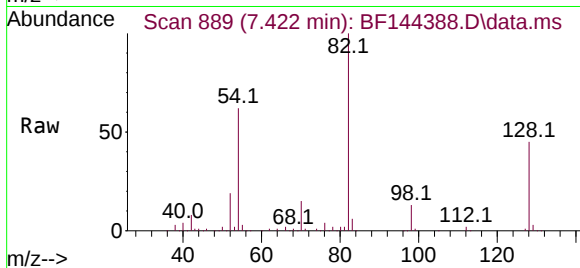
Acq: 01 Dec 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SB-1125-16A



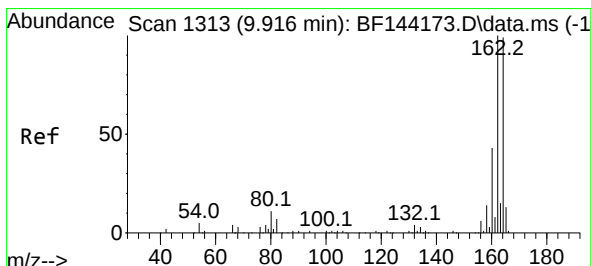
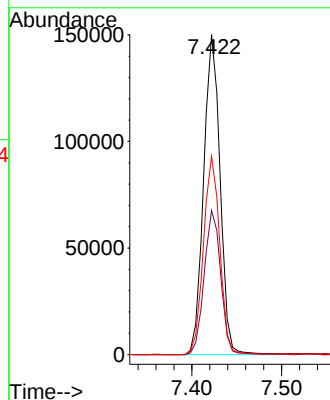
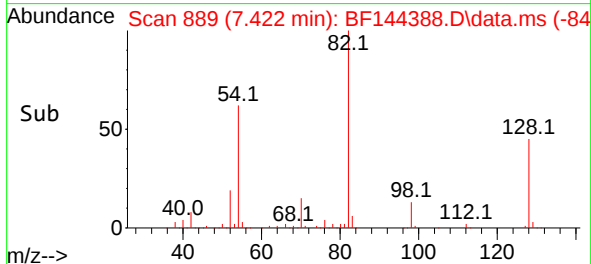
Tgt Ion: 82 Resp: 19162

Ion	Ratio	Lower	Upper
82	100		
128	45.0	34.7	52.1
54	62.0	49.5	74.3

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.898 min Scan# 1310

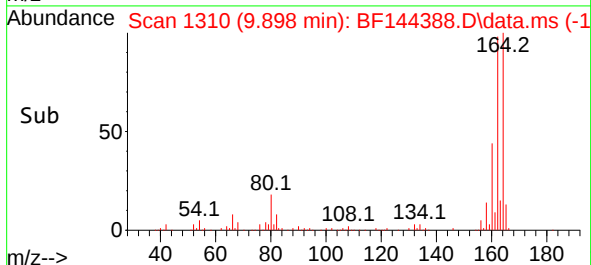
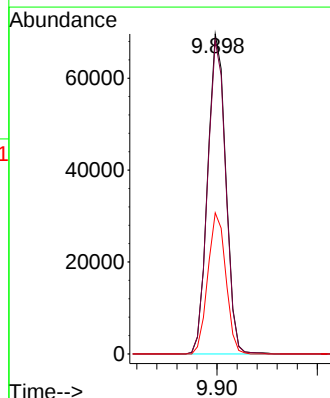
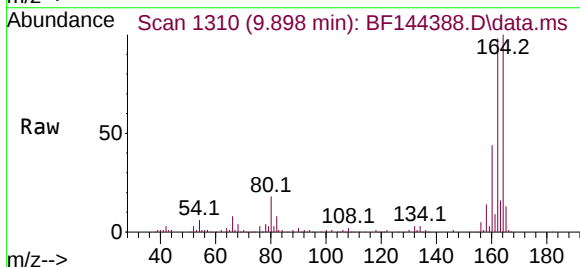
Delta R.T. -0.018 min

Lab File: BF144388.D

Acq: 01 Dec 2025 15:45

Tgt Ion:164 Resp: 87150

Ion	Ratio	Lower	Upper
164	100		
162	97.8	81.1	121.7
160	44.1	34.5	51.7





#42
2,4,6-Tribromophenol
Concen: 74.703 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF144388.D
Acq: 01 Dec 2025 15:45

Instrument :

BNA_F

ClientSampleId :

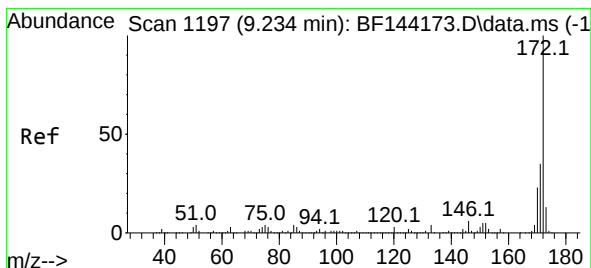
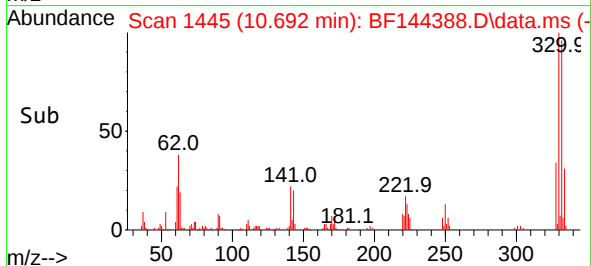
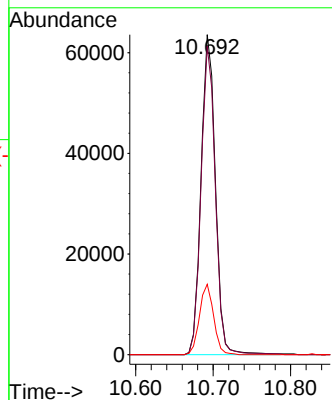
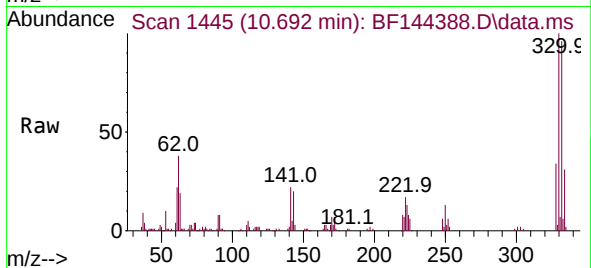
SB-1125-16A

Tgt Ion:330 Resp: 81698
Ion Ratio Lower Upper
330 100
332 95.7 76.7 115.1
141 21.6 17.8 26.8

Manual Integrations

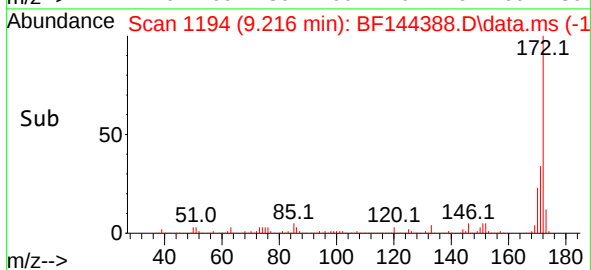
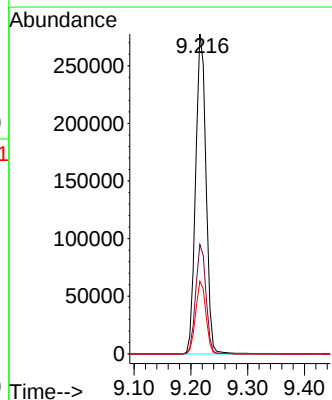
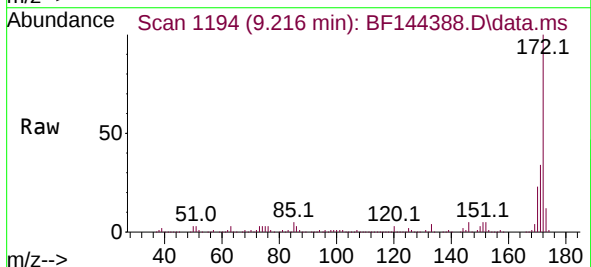
APPROVED

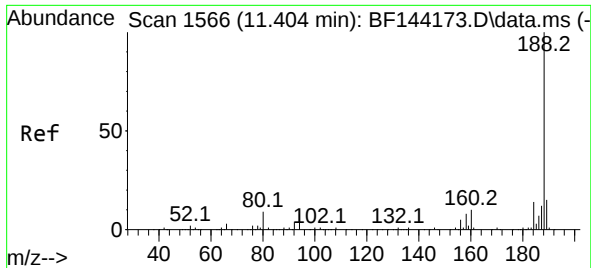
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#45
2-Fluorobiphenyl
Concen: 59.616 ng
RT: 9.216 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF144388.D
Acq: 01 Dec 2025 15:45

Tgt Ion:172 Resp: 351776
Ion Ratio Lower Upper
172 100
171 34.2 28.1 42.1
170 22.7 18.6 28.0





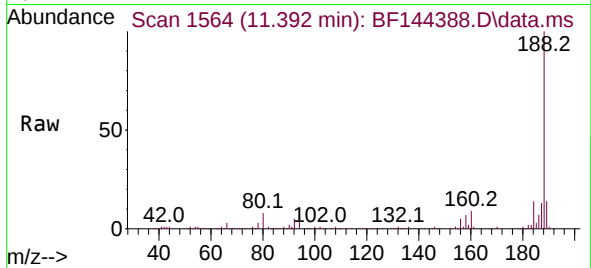
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144388.D
Acq: 01 Dec 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SB-1125-16A

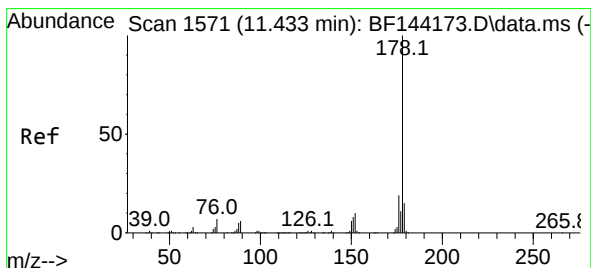
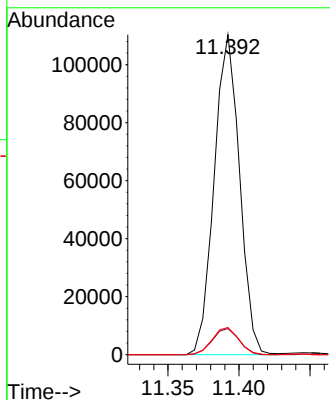
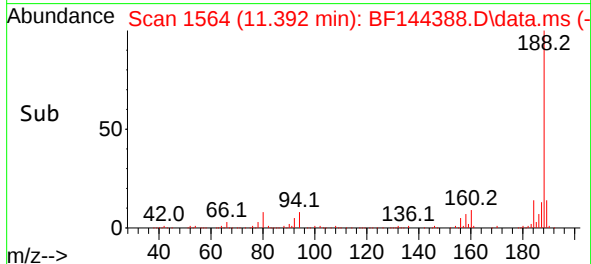


Tgt Ion:188 Resp: 13712
Ion Ratio Lower Upper
188 100
94 8.1 6.2 9.2
80 8.5 6.9 10.3

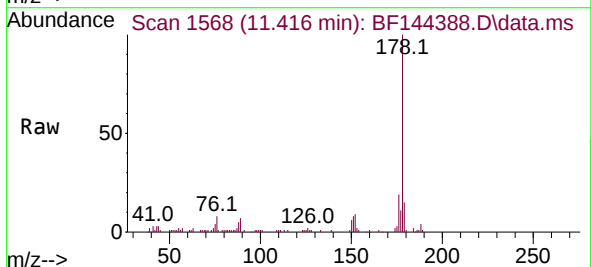
Manual Integrations

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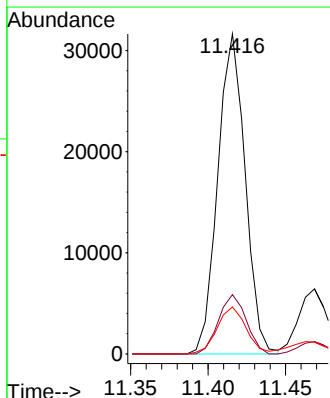
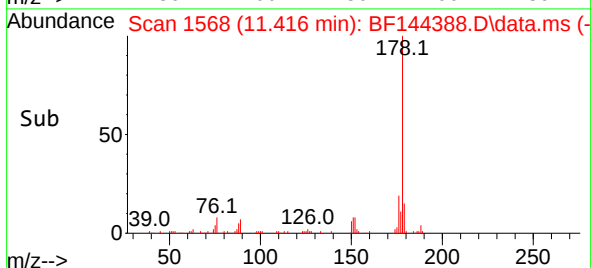
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

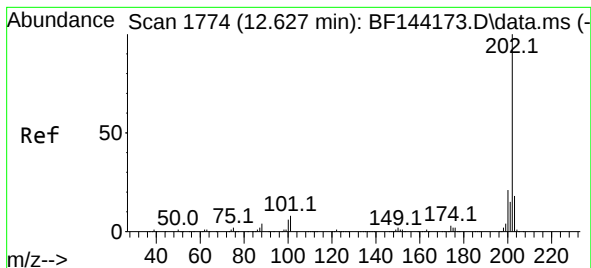


#71
Phenanthrene
Concen: 5.697 ng
RT: 11.416 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF144388.D
Acq: 01 Dec 2025 15:45



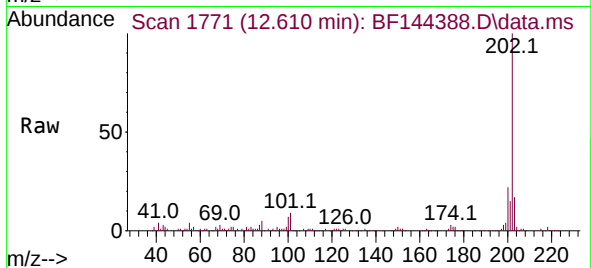
Tgt Ion:178 Resp: 38898
Ion Ratio Lower Upper
178 100
176 18.5 15.5 23.3
179 14.7 12.2 18.4





#75
Fluoranthene
Concen: 10.879 ng
RT: 12.610 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144388.D
Acq: 01 Dec 2025 15:45

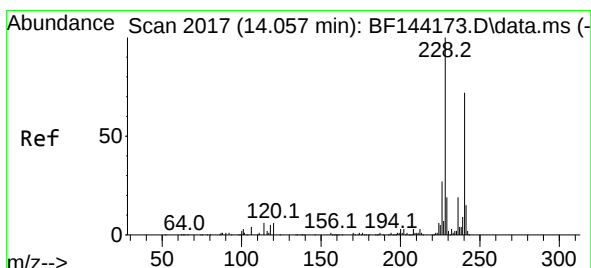
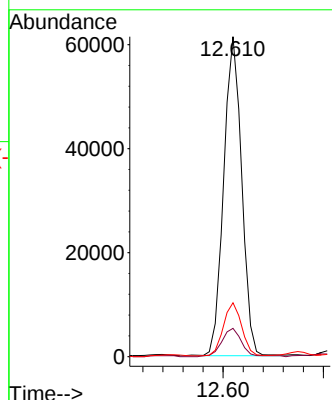
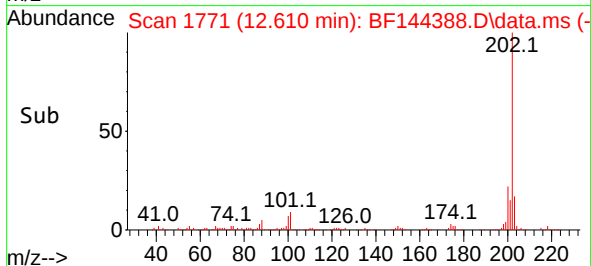
Instrument :
BNA_F
ClientSampleId :
SB-1125-16A



Tgt Ion:202 Resp: 76723
Ion Ratio Lower Upper
202 100
101 8.9 0.0 27.9
203 16.8 0.0 37.5

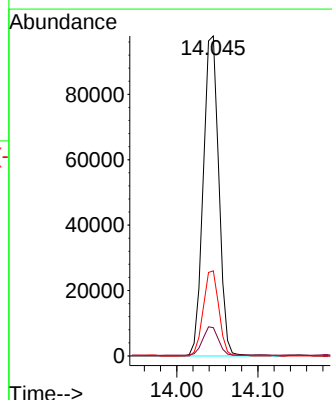
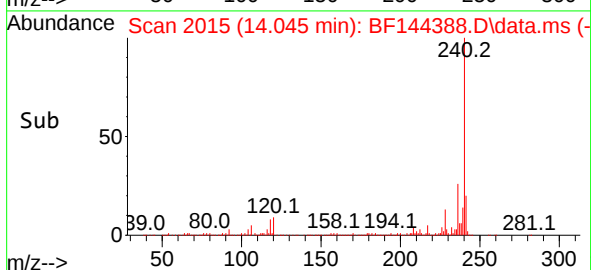
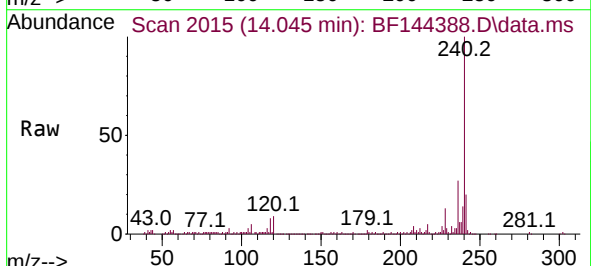
Manual Integrations
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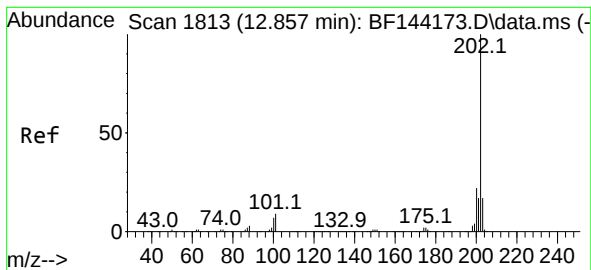
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF144388.D
Acq: 01 Dec 2025 15:45

Tgt Ion:240 Resp: 130274
Ion Ratio Lower Upper
240 100
120 8.8 6.6 10.0
236 26.6 21.4 32.2





#78

Pyrene

Concen: 6.835 ng

RT: 12.839 min Scan# 1810

Delta R.T. -0.012 min

Lab File: BF144388.D

Acq: 01 Dec 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SB-1125-16A

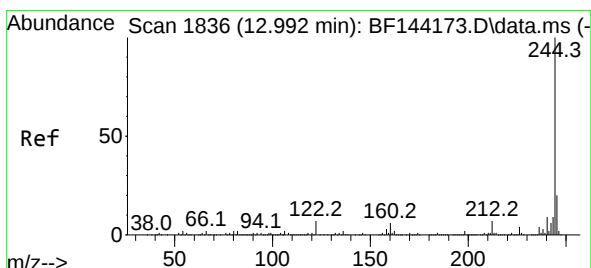
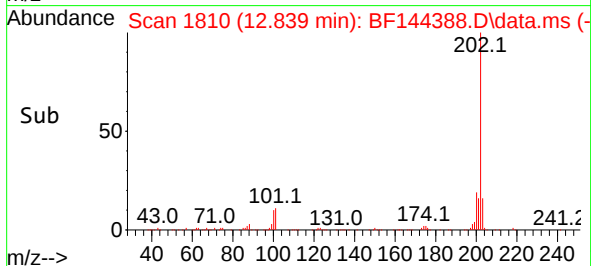
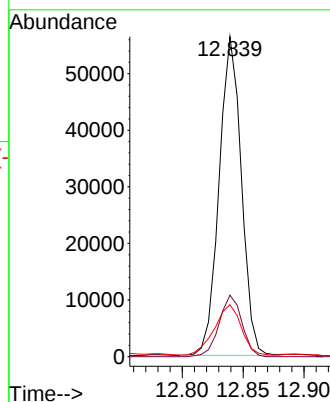
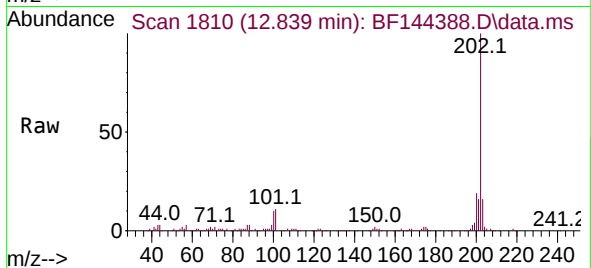
Tgt Ion:202 Resp: 71799

Ion	Ratio	Lower	Upper
202	100		
200	19.2	17.2	25.8
203	16.2	13.7	20.5

Manual Integrations

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#79

Terphenyl-d14

Concen: 41.801 ng

RT: 12.980 min Scan# 1834

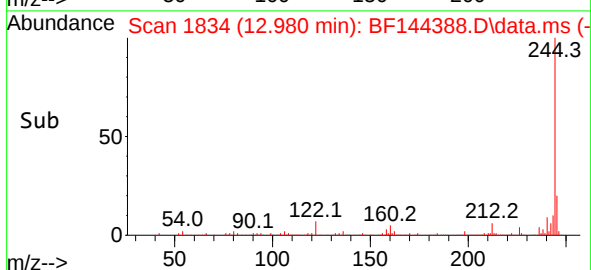
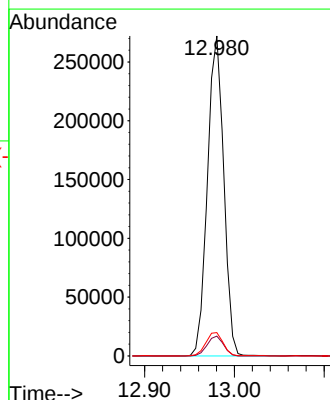
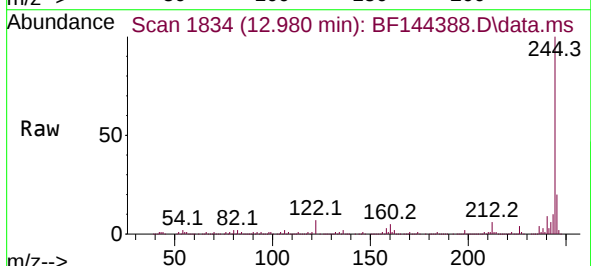
Delta R.T. -0.012 min

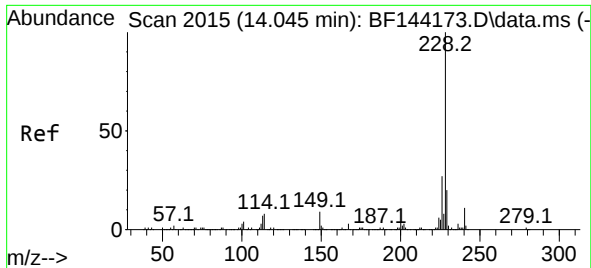
Lab File: BF144388.D

Acq: 01 Dec 2025 15:45

Tgt Ion:244 Resp: 342831

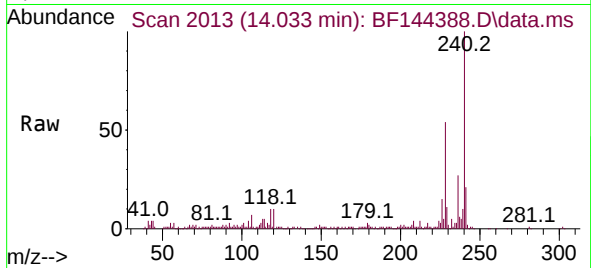
Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.3	7.9
122	7.3	5.6	8.4





#81
Benzo(a)anthracene
Concen: 5.059 ng
RT: 14.033 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF144388.D
Acq: 01 Dec 2025 15:45

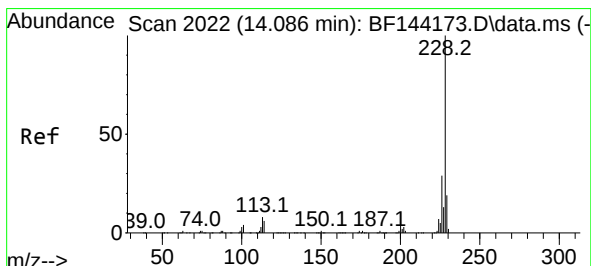
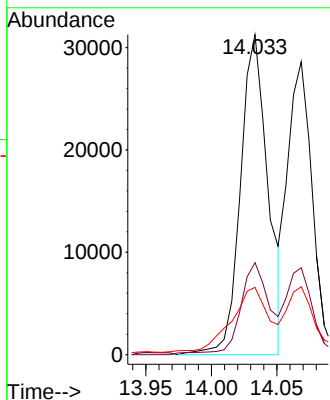
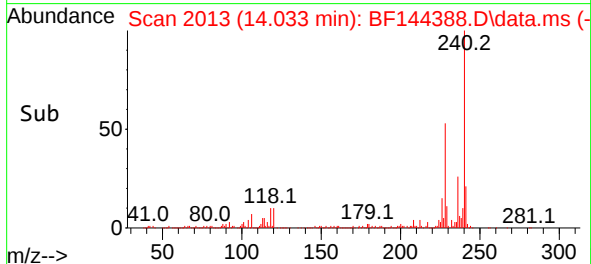
Instrument :
BNA_F
ClientSampleId :
SB-1125-16A



Tgt Ion:228 Resp: 45679
Ion Ratio Lower Upper
228 100
226 28.7 21.8 32.8
229 21.0 15.8 23.6

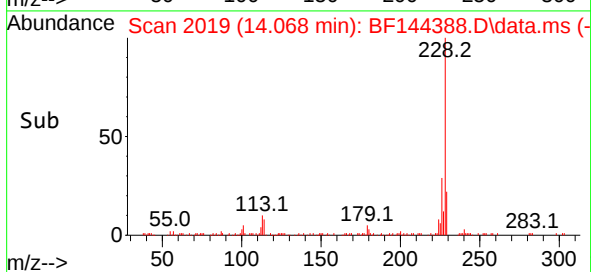
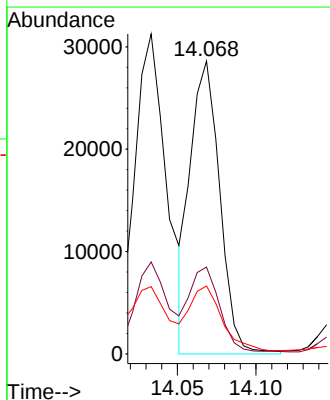
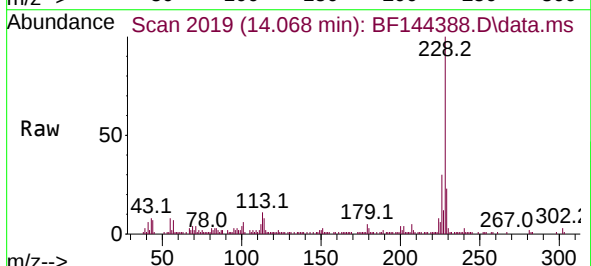
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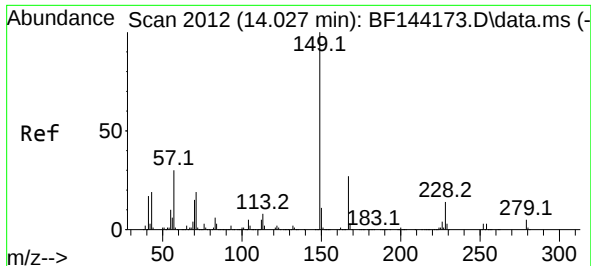
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#83
Chrysene
Concen: 4.485 ng m
RT: 14.068 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF144388.D
Acq: 01 Dec 2025 15:45

Tgt Ion:228 Resp: 37385
Ion Ratio Lower Upper
228 100
226 29.6 22.9 34.3
229 23.2 15.0 22.6#





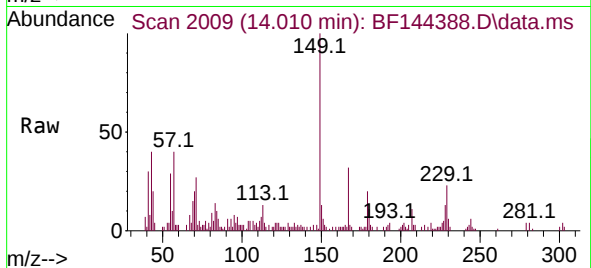
#84
Bis(2-ethylhexyl)phthalate
Concen: 2.953 ng
RT: 14.010 min Scan# 2012
Delta R.T. -0.018 min
Lab File: BF144388.D
Acq: 01 Dec 2025 15:45

Instrument :

BNA_F

ClientSampleId :

SB-1125-16A

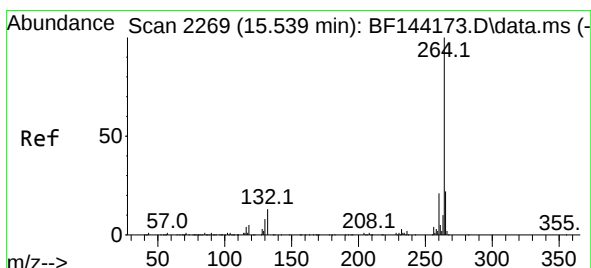
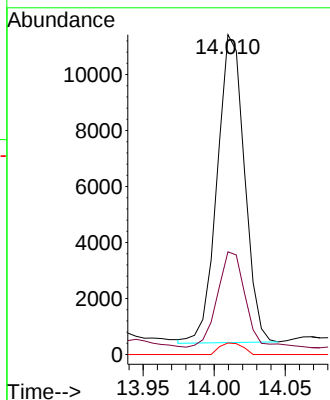
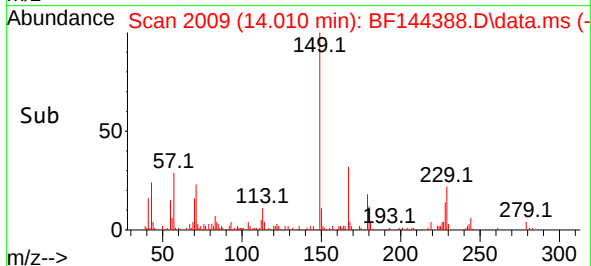


Tgt Ion:149 Resp: 14718
Ion Ratio Lower Upper
149 100
167 32.1 21.8 32.8
279 3.6 3.7 5.5

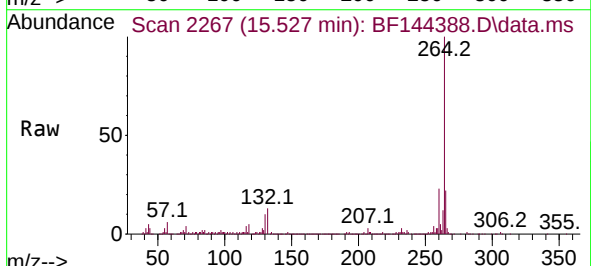
Manual Integrations

APPROVED

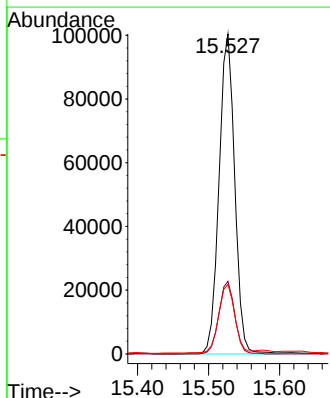
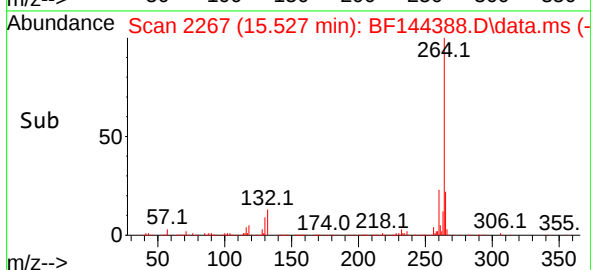
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

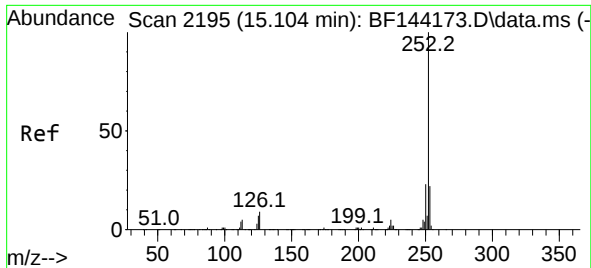


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2267
Delta R.T. -0.012 min
Lab File: BF144388.D
Acq: 01 Dec 2025 15:45



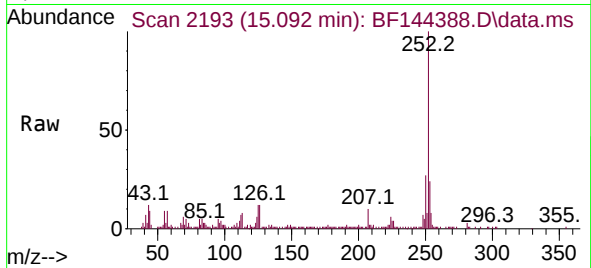
Tgt Ion:264 Resp: 154506
Ion Ratio Lower Upper
264 100
260 22.7 17.1 25.7
265 21.7 17.4 26.0





#88
Benzo(b)fluoranthene
Concen: 6.536 ng m
RT: 15.092 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF144388.D
Acq: 01 Dec 2025 15:45

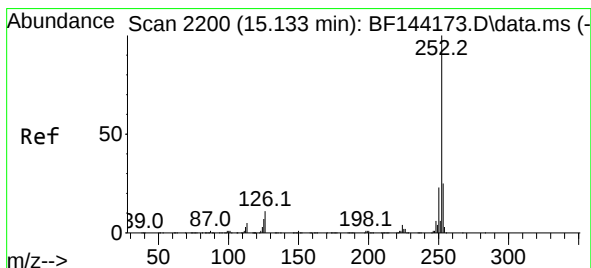
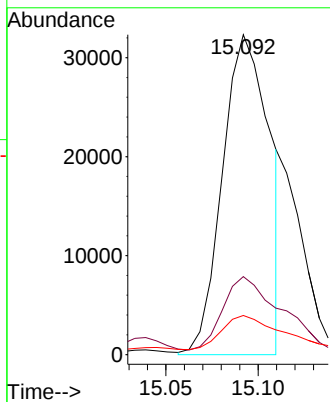
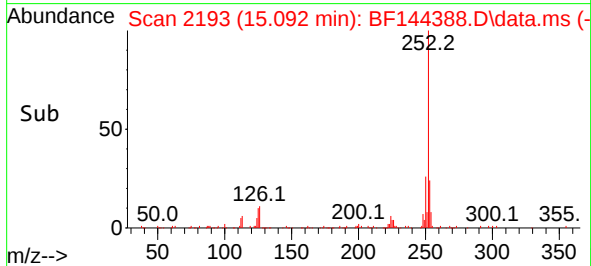
Instrument :
BNA_F
ClientSampleId :
SB-1125-16A



Tgt Ion:252 Resp: 57412
Ion Ratio Lower Upper
252 100
253 24.4 17.4 26.2
125 12.2 5.3 7.9

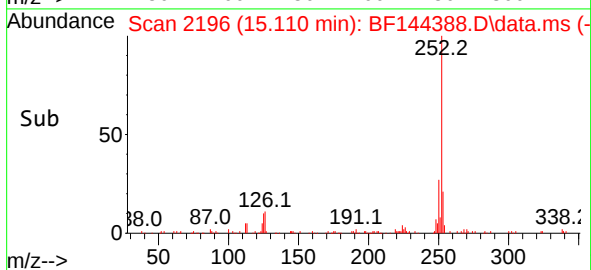
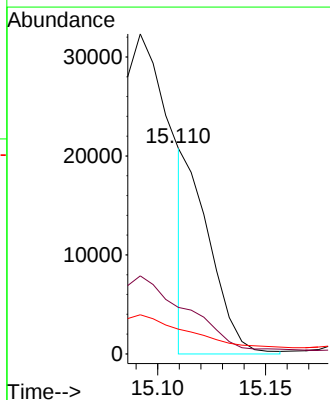
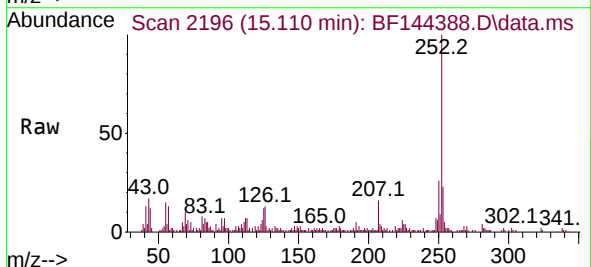
Manual Integrations
APPROVED

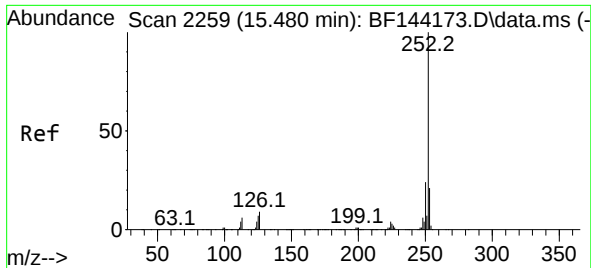
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#89
Benzo(k)fluoranthene
Concen: 2.005 ng m
RT: 15.110 min Scan# 2196
Delta R.T. -0.018 min
Lab File: BF144388.D
Acq: 01 Dec 2025 15:45

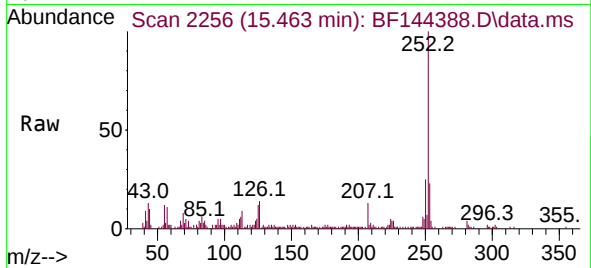
Tgt Ion:252 Resp: 16485
Ion Ratio Lower Upper
252 100
253 22.6 18.0 27.0
125 12.0 5.4 8.2





#90
Benzo(a)pyrene
Concen: 4.951 ng
RT: 15.463 min Scan# 2256
Delta R.T. -0.012 min
Lab File: BF144388.D
Acq: 01 Dec 2025 15:45

Instrument :
BNA_F
ClientSampleId :
SB-1125-16A



Tgt Ion: 252 Resp: 40123

Ion	Ratio	Lower	Upper
252	100		
253	23.1	16.7	25.1
125	11.5	5.7	8.5

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

