

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
 Data File : BF144266.D
 Acq On : 17 Nov 2025 14:29
 Operator : RC/JU
 Sample : Q3645-01 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-11142025

Manual Integrations
 APPROVED

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

Quant Time: Nov 17 14:50:50 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	54907	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	188429	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	99130	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	153519	20.000	ng	0.00
76) Chrysene-d12	14.045	240	116123	20.000	ng	0.00
86) Perylene-d12	15.527	264	102461	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	164917	47.002	ng	0.00
7) Phenol-d6	6.492	99	187130	47.069	ng	0.00
23) Nitrobenzene-d5	7.422	82	113122	34.673	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	52130	41.906	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	250595	37.336	ng	0.00
79) Terphenyl-d14	12.980	244	222367	30.417	ng	-0.01
Target Compounds						Qvalue
75) Fluoranthene	12.610	202	40245	5.097	ng	99
78) Pyrene	12.839	202	39326	4.200	ng	98
81) Benzo(a)anthracene	14.033	228	19829	2.464	ng	# 92
83) Chrysene	14.068	228	18420	2.479	ng	# 88
88) Benzo(b)fluoranthene	15.092	252	24383m	4.186	ng	
90) Benzo(a)pyrene	15.462	252	14782	2.751	ng	# 85

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

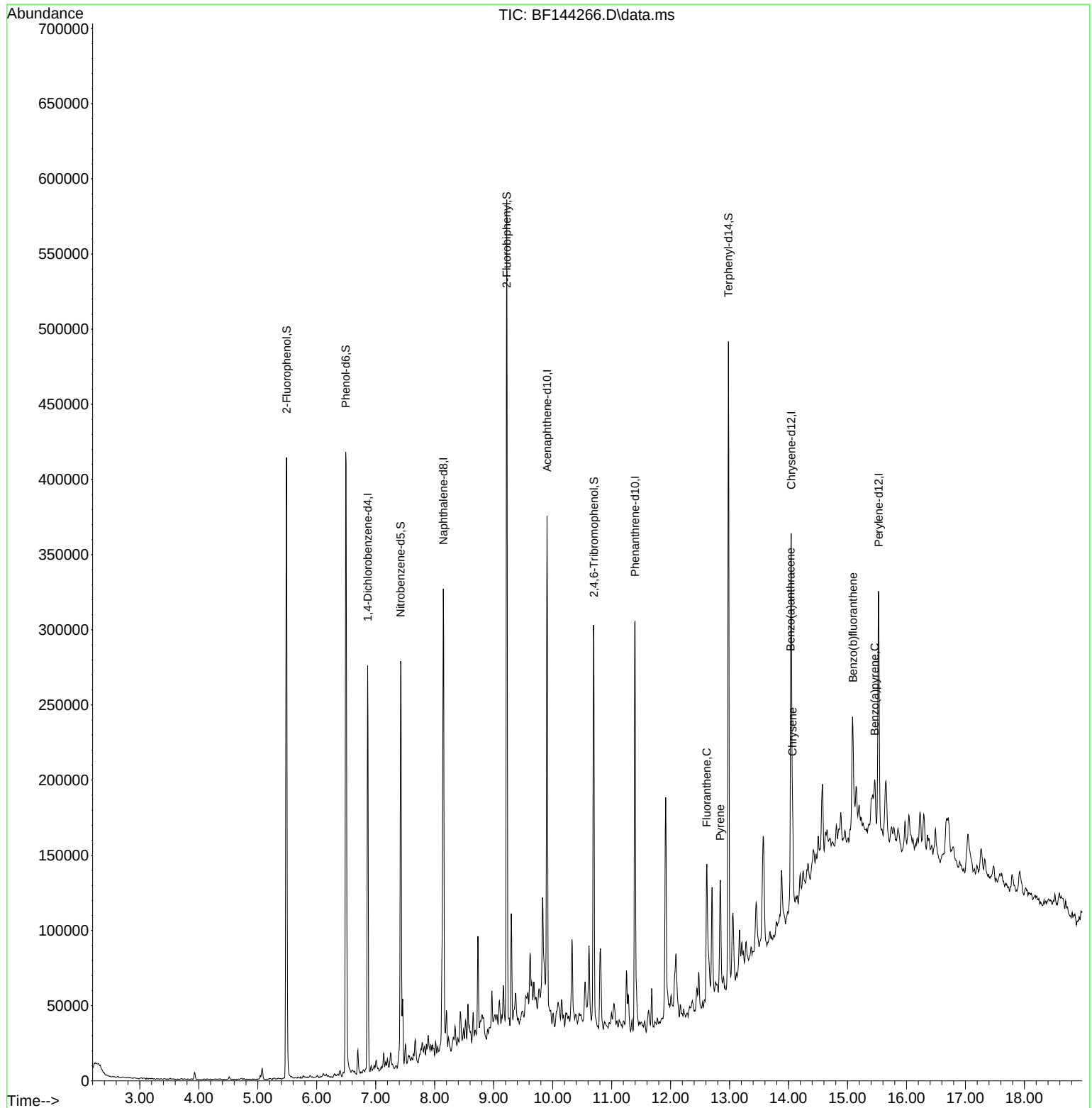
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111725\
Data File : BF144266.D
Acq On : 17 Nov 2025 14:29
Operator : RC/JU
Sample : Q3645-01 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

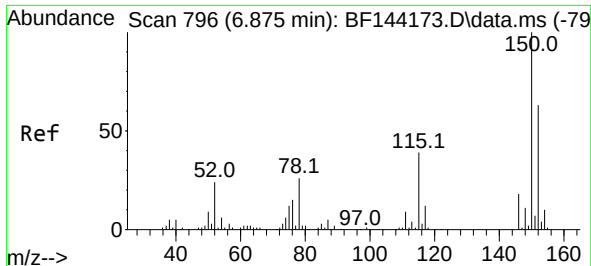
Instrument :
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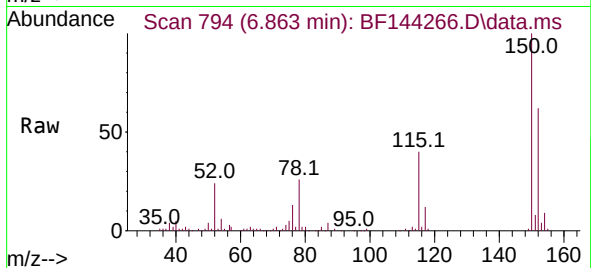
Quant Time: Nov 17 14:50:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF144266.D
Acq: 17 Nov 2025 14:29

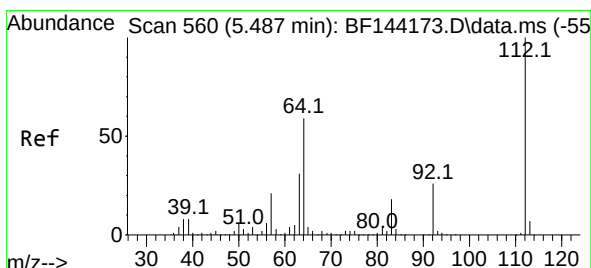
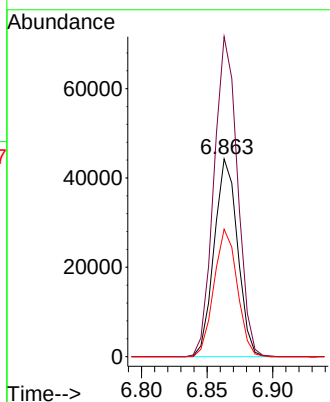
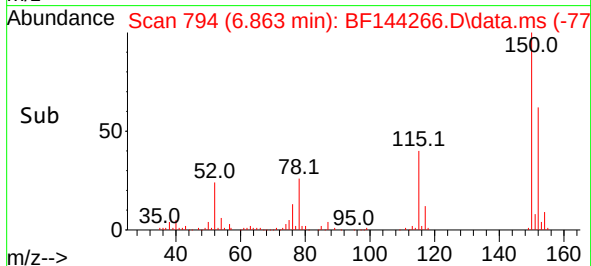
Instrument :
BNA_F
ClientSampleId :
HD-02-11142025



Tgt Ion:152 Resp: 54907
Ion Ratio Lower Upper
152 100
150 161.9 127.4 191.0
115 64.5 49.5 74.3

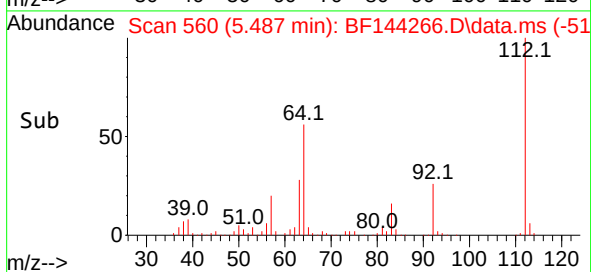
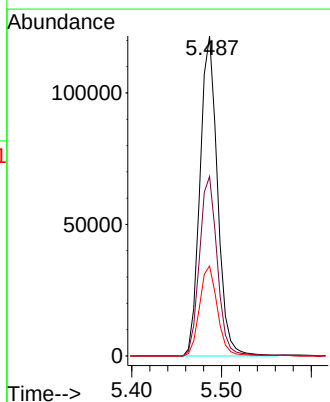
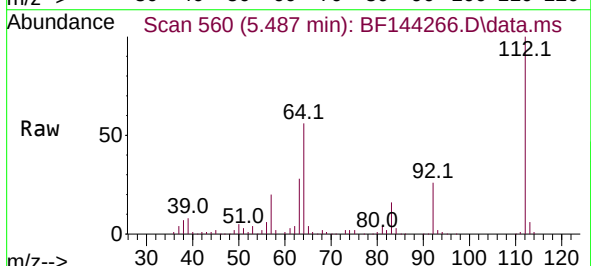
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Supervised By :Sohil Jodhani 11/18/2025



#5
2-Fluorophenol
Concen: 47.002 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.006 min
Lab File: BF144266.D
Acq: 17 Nov 2025 14:29

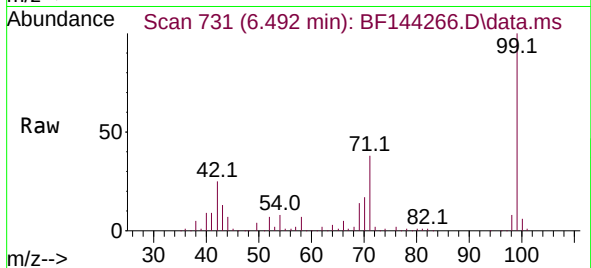
Tgt Ion:112 Resp: 164917
Ion Ratio Lower Upper
112 100
64 56.1 47.2 70.8
63 28.1 24.4 36.6





#7
Phenol-d6
Concen: 47.069 ng
RT: 6.492 min Scan# 731
Delta R.T. -0.006 min
Lab File: BF144266.D
Acq: 17 Nov 2025 14:29

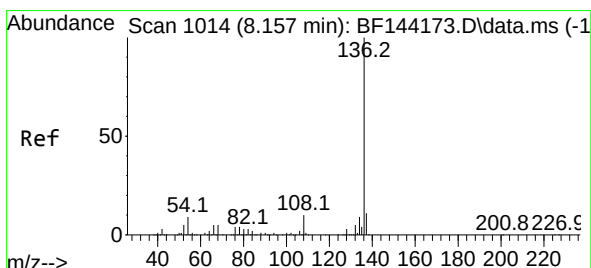
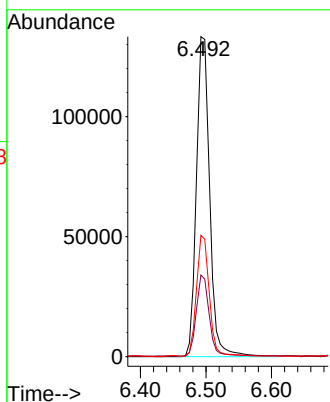
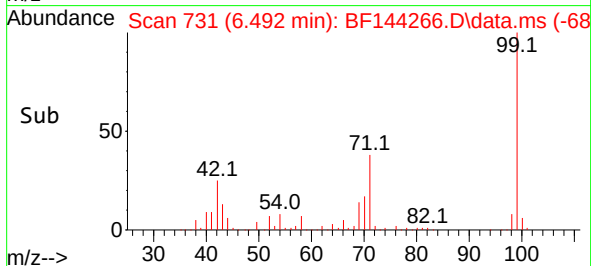
Instrument :
BNA_F
ClientSampleId :
HD-02-11142025



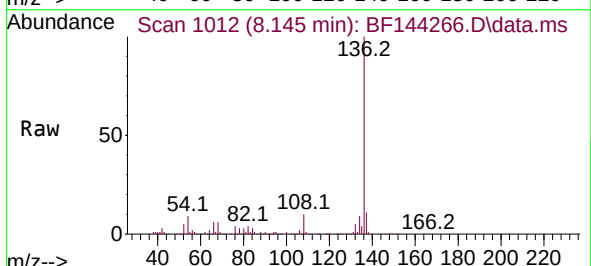
Tgt Ion: 99 Resp: 187130
Ion Ratio Lower Upper
99 100
42 25.5 20.9 31.3
71 37.9 31.4 47.2

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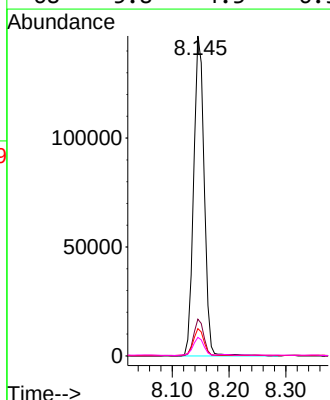
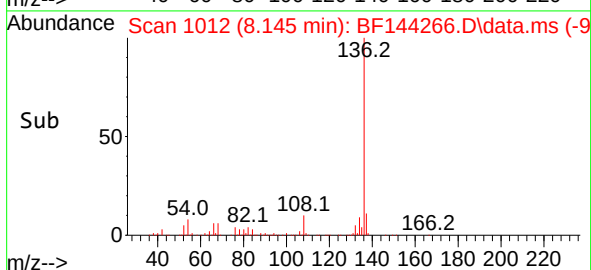
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025

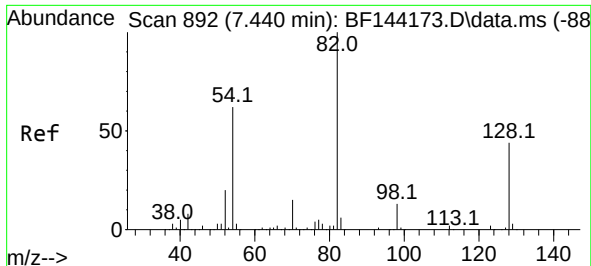


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF144266.D
Acq: 17 Nov 2025 14:29



Tgt Ion:136 Resp: 188429
Ion Ratio Lower Upper
136 100
137 11.5 8.6 13.0
54 8.5 7.0 10.6
68 5.8 4.3 6.5





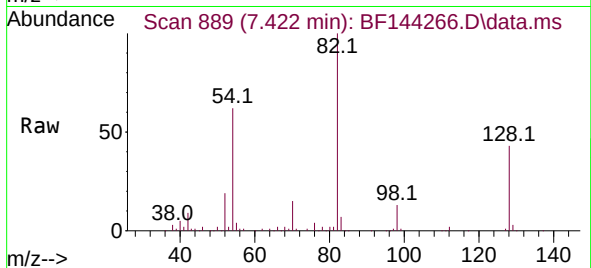
#23
Nitrobenzene-d5
Concen: 34.673 ng
RT: 7.422 min Scan# 88
Delta R.T. -0.012 min
Lab File: BF144266.D
Acq: 17 Nov 2025 14:29

Instrument :

BNA_F

ClientSampleId :

HD-02-11142025

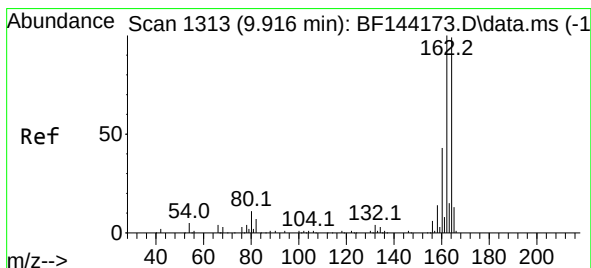
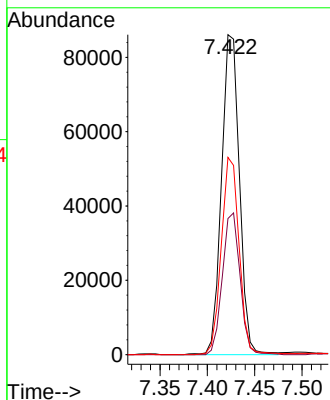
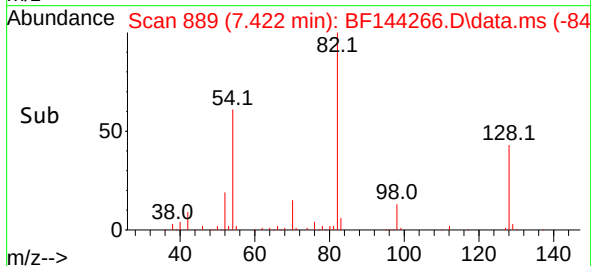


Tgt Ion: 82 Resp: 11312
Ion Ratio Lower Upper
82 100
128 42.5 34.7 52.1
54 61.6 49.5 74.3

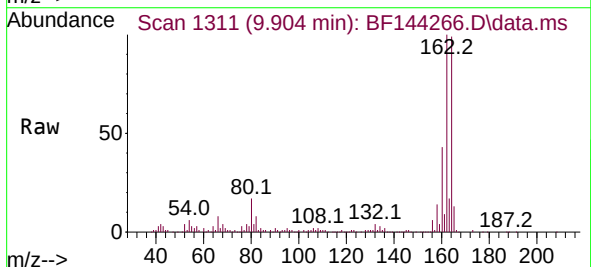
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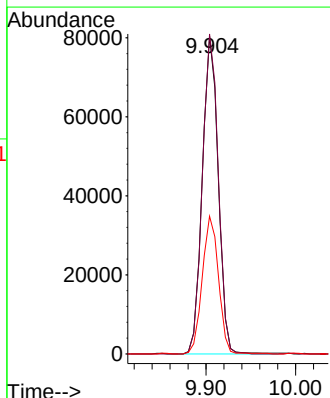
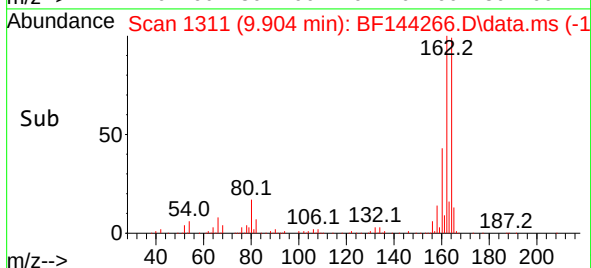
Reviewed By :Jagrut Upadhyay 11/18/2025
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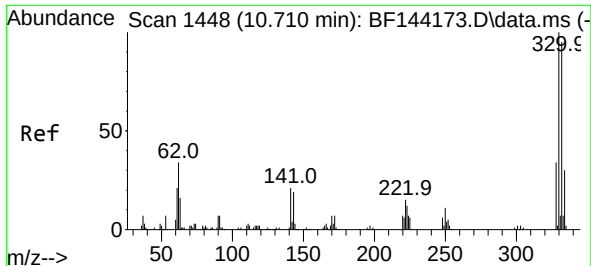


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1311
Delta R.T. -0.012 min
Lab File: BF144266.D
Acq: 17 Nov 2025 14:29



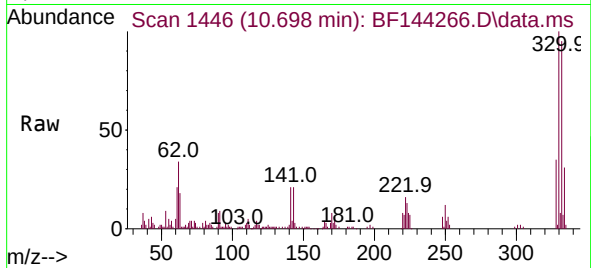
Tgt Ion:164 Resp: 99130
Ion Ratio Lower Upper
164 100
162 100.7 81.1 121.7
160 43.3 34.5 51.7





#42
2,4,6-Tribromophenol
Concen: 41.906 ng
RT: 10.698 min Scan# 1446
Delta R.T. -0.006 min
Lab File: BF144266.D
Acq: 17 Nov 2025 14:29

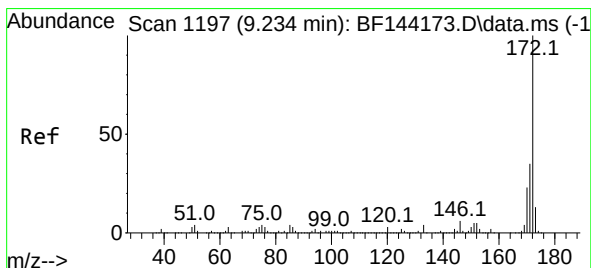
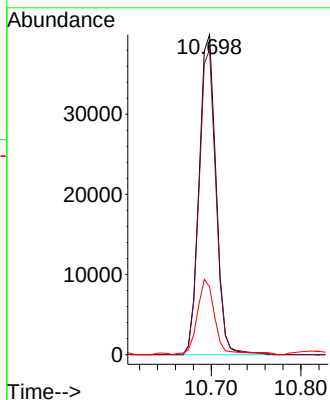
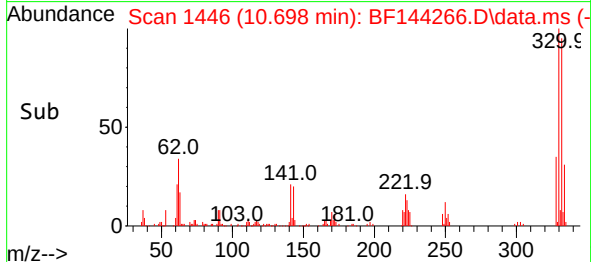
Instrument :
BNA_F
ClientSampleId :
HD-02-11142025



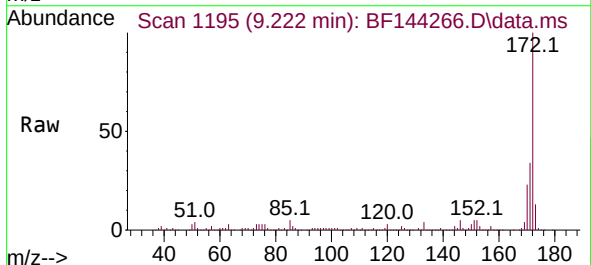
Tgt Ion: 330 Resp: 52136
Ion Ratio Lower Upper
330 100
332 95.5 76.7 115.1
141 24.8 17.8 26.8

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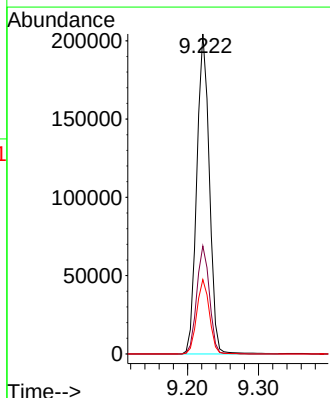
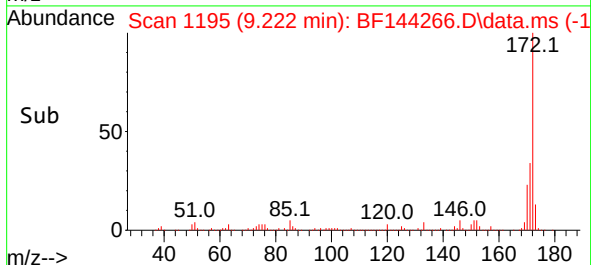
Reviewed By : Jagrut Upadhyay 11/18/2025
Supervised By : Sohil Jodhani 11/18/2025

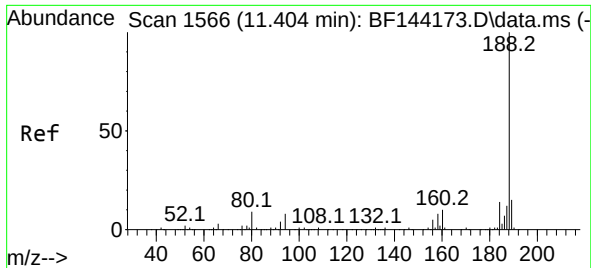


#45
2-Fluorobiphenyl
Concen: 37.336 ng
RT: 9.222 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BF144266.D
Acq: 17 Nov 2025 14:29



Tgt Ion: 172 Resp: 250595
Ion Ratio Lower Upper
172 100
171 33.7 28.1 42.1
170 23.2 18.6 28.0





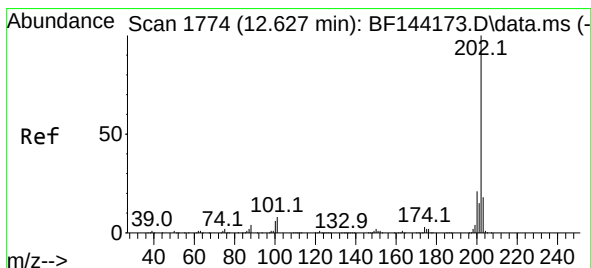
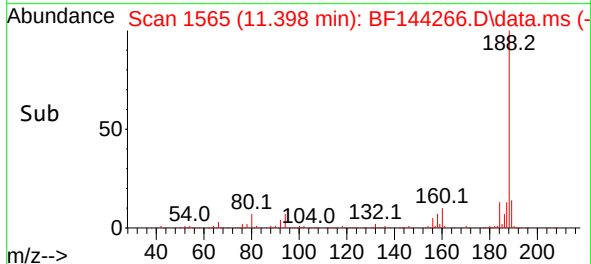
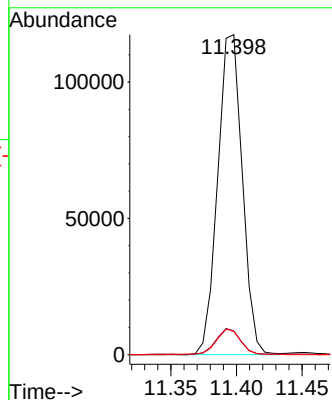
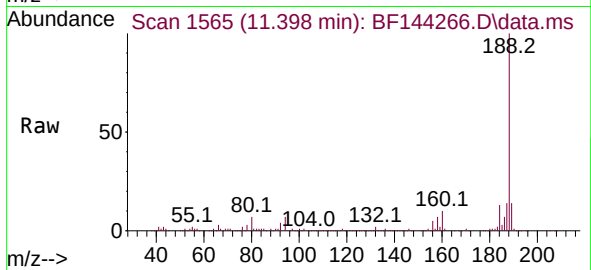
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 11398
Delta R.T. -0.006 min
Lab File: BF144266.D
Acq: 17 Nov 2025 14:29

Instrument :
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ClientSampleId :
HD-02-11142025

Tgt Ion:188 Resp: 153519
Ion Ratio Lower Upper
188 100
94 7.4 6.2 9.2
80 7.3 6.9 10.3

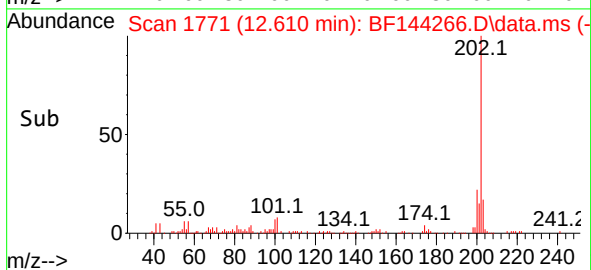
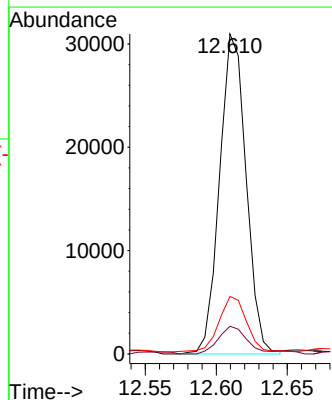
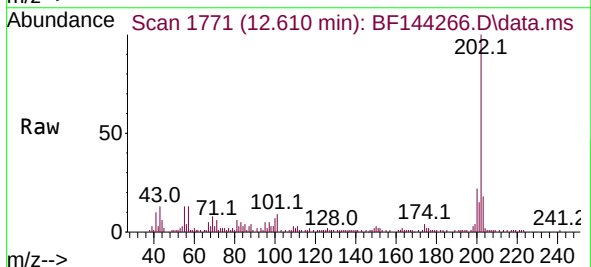
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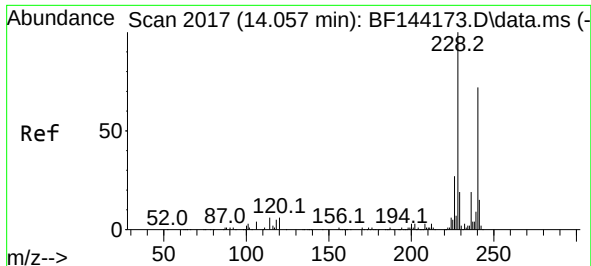
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025



#75
Fluoranthene
Concen: 5.097 ng
RT: 12.610 min Scan# 1771
Delta R.T. -0.012 min
Lab File: BF144266.D
Acq: 17 Nov 2025 14:29

Tgt Ion:202 Resp: 40245
Ion Ratio Lower Upper
202 100
101 8.6 0.0 27.9
203 17.9 0.0 37.5





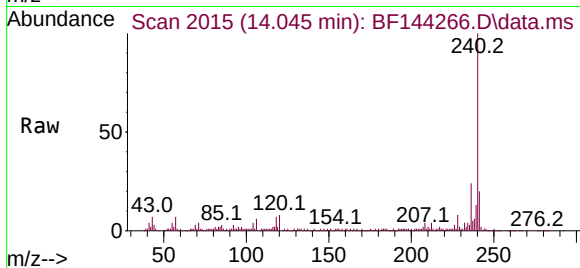
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF144266.D
Acq: 17 Nov 2025 14:29

Instrument :

BNA_F

ClientSampleId :

HD-02-11142025

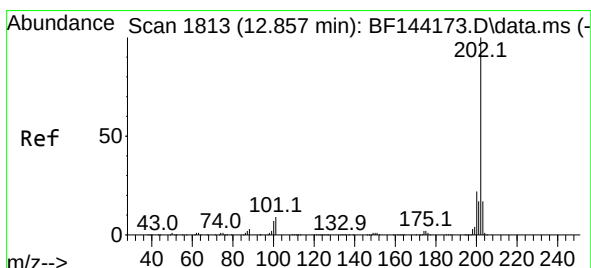
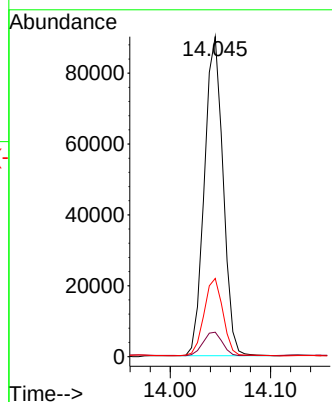
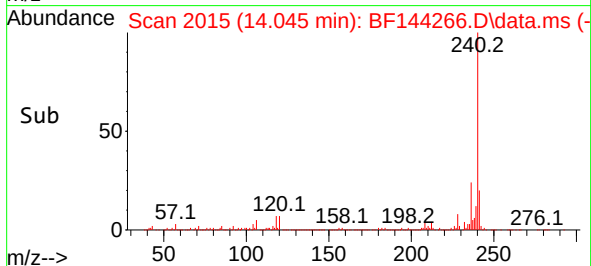


Tgt Ion:240 Resp: 116123
Ion Ratio Lower Upper
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120 7.6 6.6 10.0
236 24.4 21.4 32.2

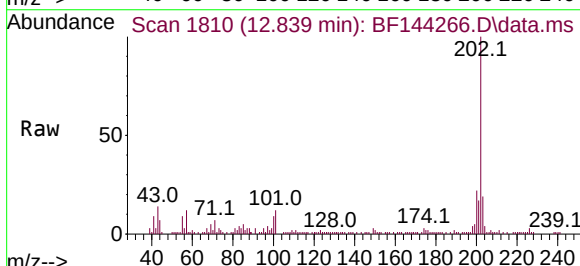
Manual Integrations

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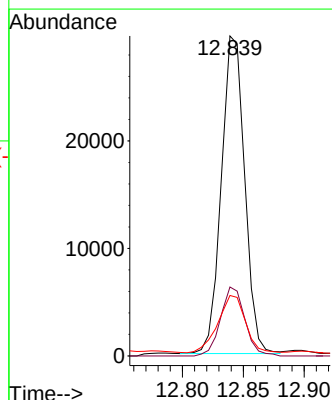
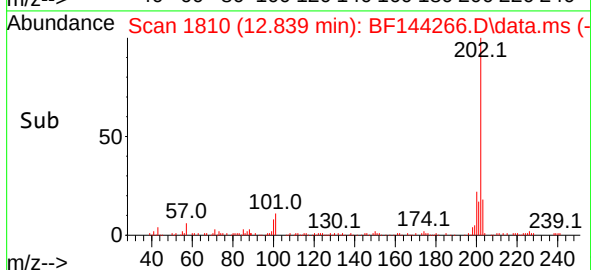
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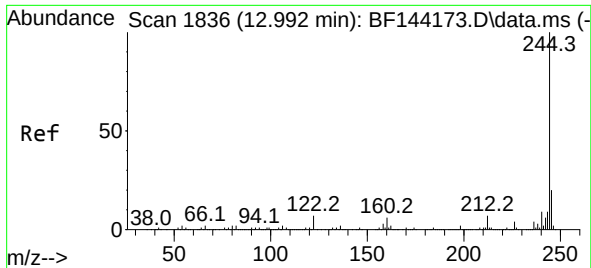


#78
Pyrene
Concen: 4.200 ng
RT: 12.839 min Scan# 1810
Delta R.T. -0.012 min
Lab File: BF144266.D
Acq: 17 Nov 2025 14:29



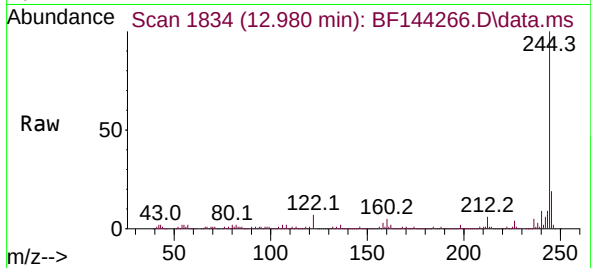
Tgt Ion:202 Resp: 39326
Ion Ratio Lower Upper
202 100
200 21.5 17.2 25.8
203 18.9 13.7 20.5





#79
 Terphenyl-d14
 Concen: 30.417 ng
 RT: 12.980 min Scan# 1836
 Delta R.T. -0.012 min
 Lab File: BF144266.D
 Acq: 17 Nov 2025 14:29

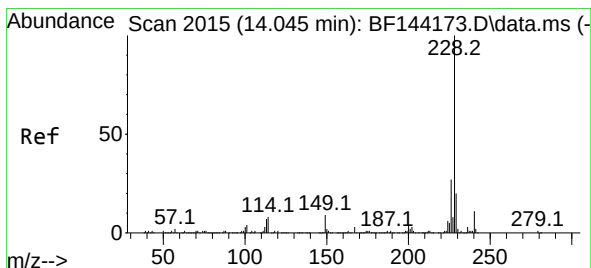
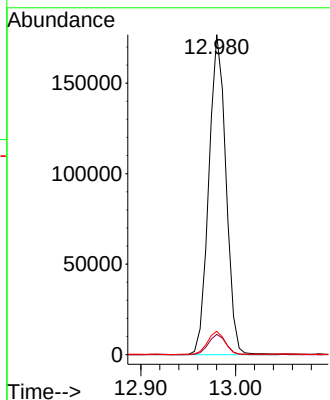
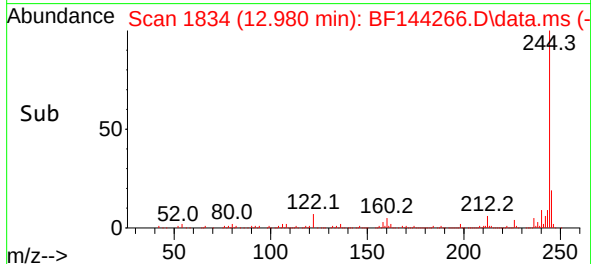
Instrument :
 BNA_F
 ClientSampleId :
 HD-02-11142025



Tgt Ion:244 Resp: 222362
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.3 7.9
 122 7.3 5.6 8.4

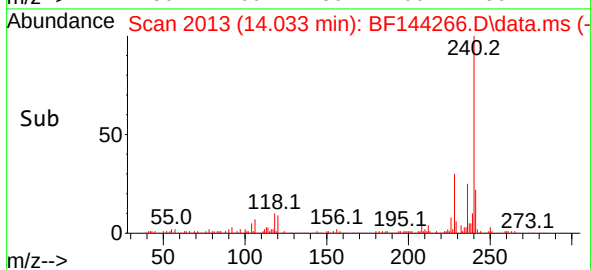
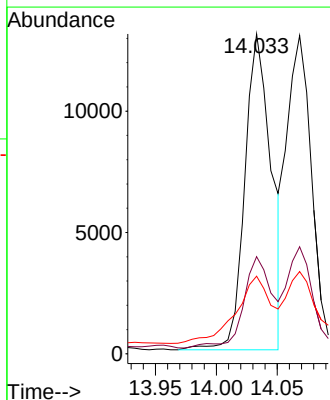
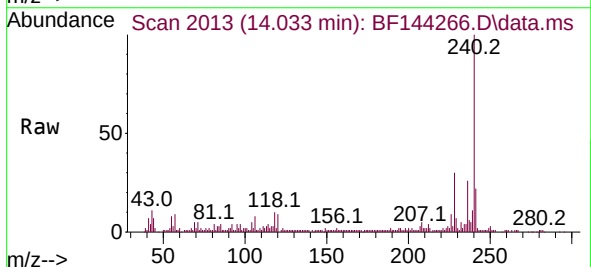
Manual Integrations
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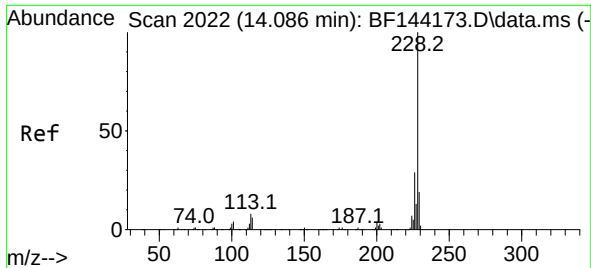
Reviewed By :Jagrut Upadhyay 11/18/2025
 Supervised By :Sohil Jodhani 11/18/2025



#81
 Benzo(a)anthracene
 Concen: 2.464 ng
 RT: 14.033 min Scan# 2013
 Delta R.T. -0.012 min
 Lab File: BF144266.D
 Acq: 17 Nov 2025 14:29

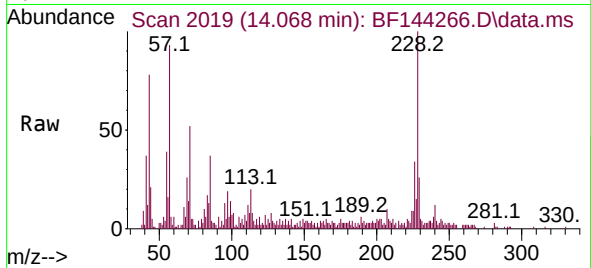
Tgt Ion:228 Resp: 19829
 Ion Ratio Lower Upper
 228 100
 226 30.4 21.8 32.8
 229 24.3 15.8 23.6#





#83
Chrysene
Concen: 2.479 ng
RT: 14.068 min Scan# 2022
Delta R.T. -0.012 min
Lab File: BF144266.D
Acq: 17 Nov 2025 14:29

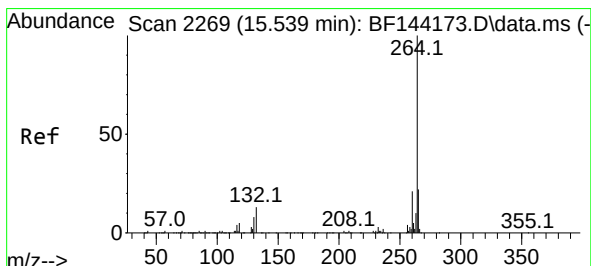
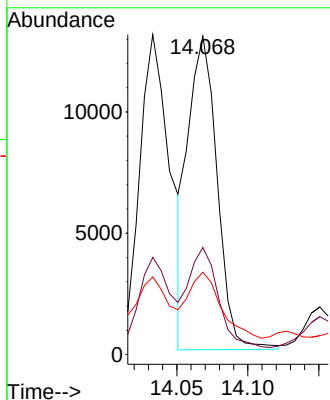
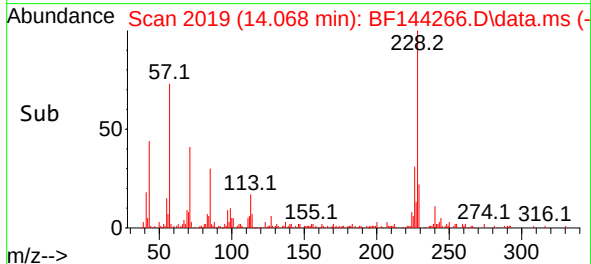
Instrument : BNA_F
ClientSampleId : HD-02-11142025



Tgt Ion:228 Resp: 18420
Ion Ratio Lower Upper
228 100
226 33.6 22.9 34.3
229 25.8 15.0 22.6

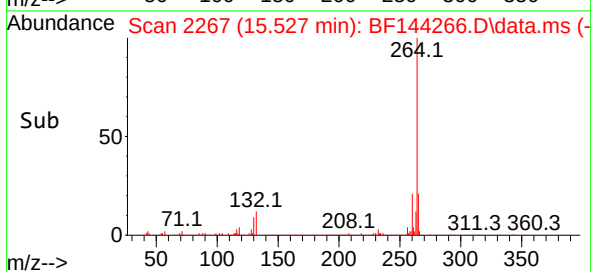
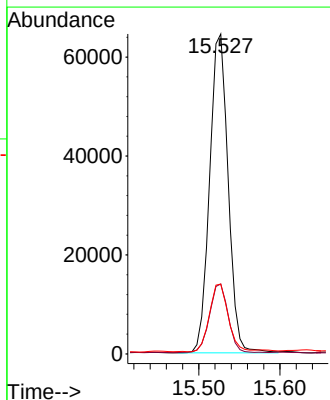
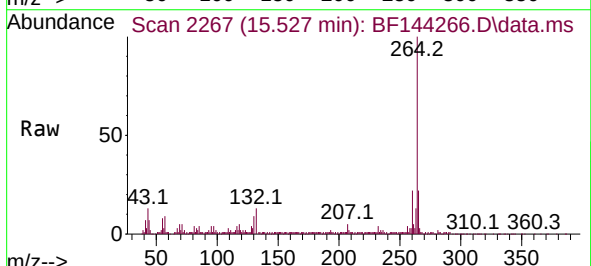
Manual Integrations
APPROVED

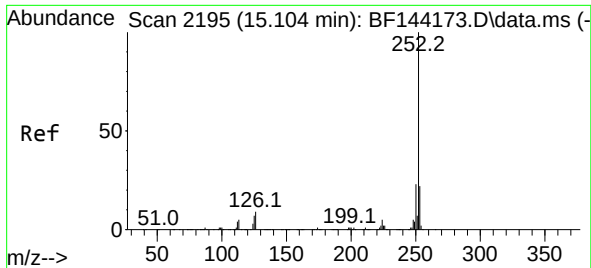
Reviewed By :Jagrut Upadhyay 11/18/2025
Supervised By :Sohil Jodhani 11/18/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2267
Delta R.T. -0.012 min
Lab File: BF144266.D
Acq: 17 Nov 2025 14:29

Tgt Ion:264 Resp: 102461
Ion Ratio Lower Upper
264 100
260 21.8 17.1 25.7
265 21.8 17.4 26.0





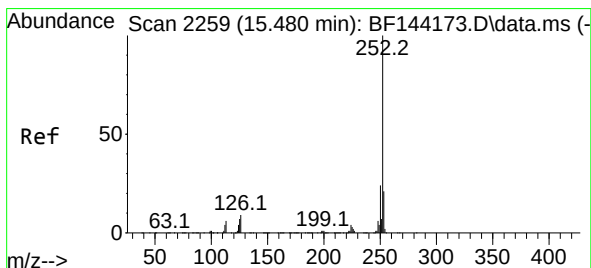
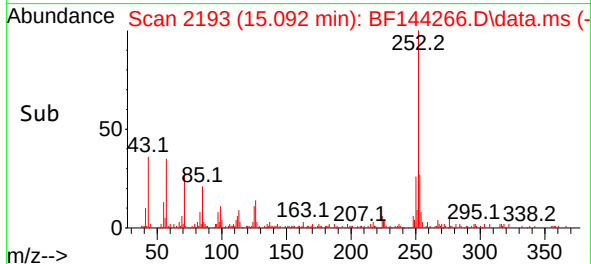
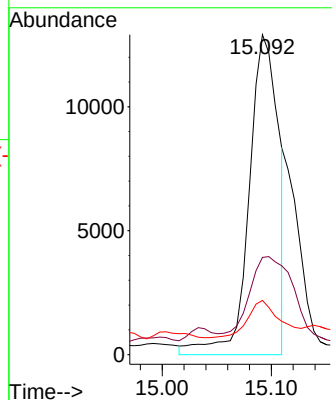
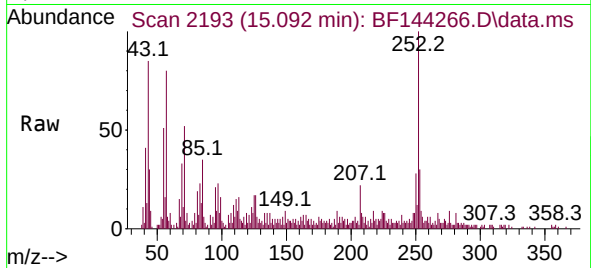
#88
Benzo(b)fluoranthene
Concen: 4.186 ng m
RT: 15.092 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF144266.D
Acq: 17 Nov 2025 14:29

Instrument :
BNA_F
ClientSampleId :
HD-02-11142025

Tgt Ion:252 Resp: 24383
Ion Ratio Lower Upper
252 100
253 30.4 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



#90
Benzo(a)pyrene
Concen: 2.751 ng
RT: 15.462 min Scan# 2256
Delta R.T. -0.012 min
Lab File: BF144266.D
Acq: 17 Nov 2025 14:29

Tgt Ion:252 Resp: 14782
Ion Ratio Lower Upper
252 100
253 26.2 16.7 25.1#
125 16.2 5.7 8.5#

