

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111425\
 Data File : BF144259.D
 Acq On : 14 Nov 2025 13:15
 Operator : RC/JU
 Sample : Q3601-17 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-5

Quant Time: Nov 14 13:34:54 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

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 11/17/2025
 Supervised By :Sohil Jodhani 11/17/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	48164	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	152955	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	71547	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	133845	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	118822	20.000	ng	0.00
86) Perylene-d12	15.521	264	93122	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	43323	14.076	ng	-0.01
7) Phenol-d6	6.492	99	52698	15.111	ng	0.00
23) Nitrobenzene-d5	7.428	82	35870	13.544	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	14050	15.649	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	80650	16.648	ng	0.00
79) Terphenyl-d14	12.980	244	77575	10.370	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.416	178	38419	5.765	ng	97
75) Fluoranthene	12.610	202	85393	12.405	ng	99
78) Pyrene	12.839	202	78335	8.177	ng	98
81) Benzo(a)anthracene	14.033	228	46586	5.657	ng	97
83) Chrysene	14.068	228	40125	5.278	ng	98
84) Bis(2-ethylhexyl)phtha...	14.016	149	9762	2.148	ng	# 97
87) Indeno(1,2,3-cd)pyrene	17.015	276	15325	2.293	ng	# 92
88) Benzo(b)fluoranthene	15.092	252	42851m	8.094	ng	
89) Benzo(k)fluoranthene	15.104	252	16954m	3.421	ng	
90) Benzo(a)pyrene	15.457	252	27503	5.631	ng	# 96
92) Benzo(g,h,i)perylene	17.468	276	15801	2.980	ng	96

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

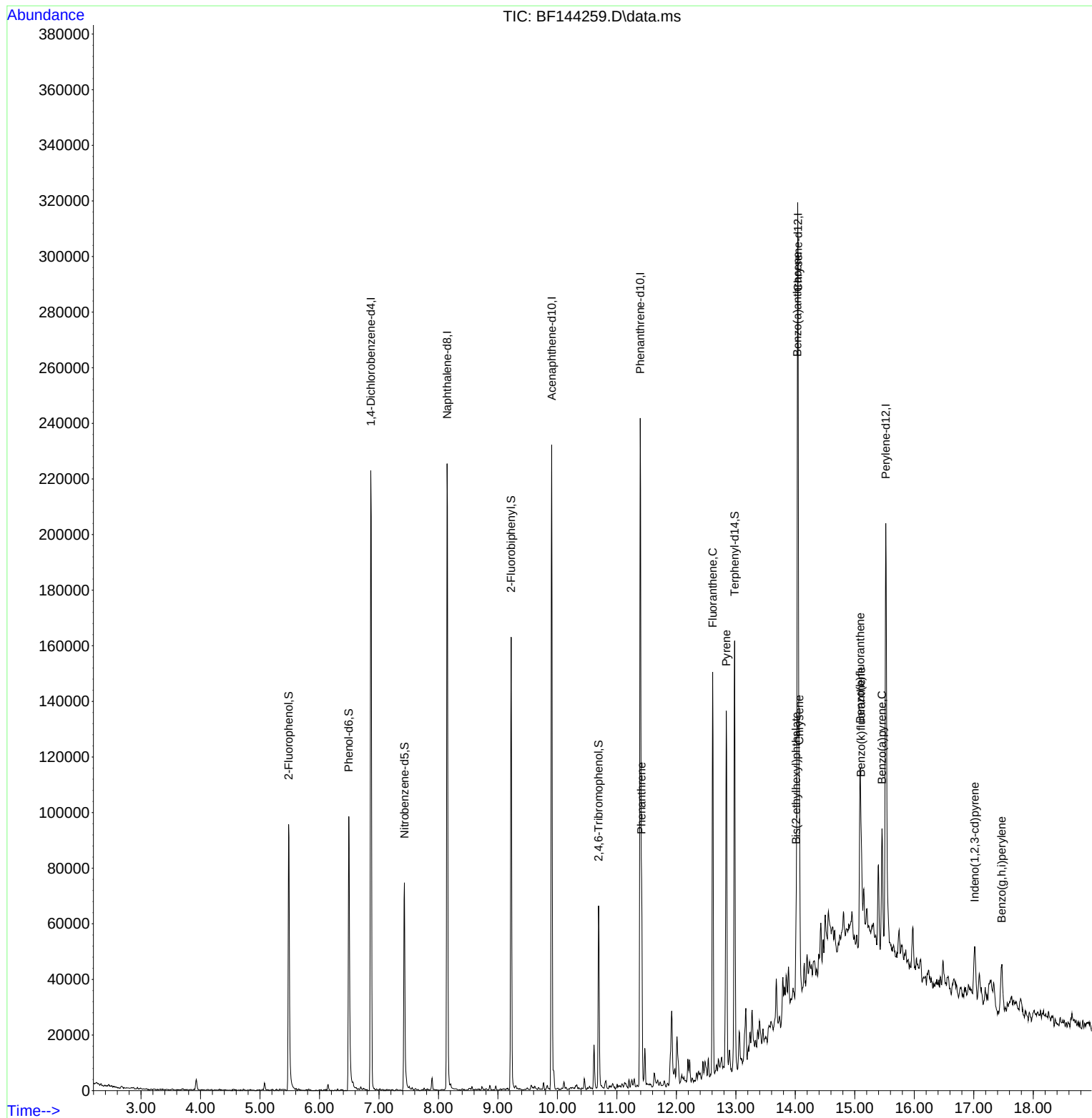
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111425\
Data File : BF144259.D
Acq On : 14 Nov 2025 13:15
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Sample : Q3601-17 5X
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ALS Vial : 8 Sample Multiplier: 1

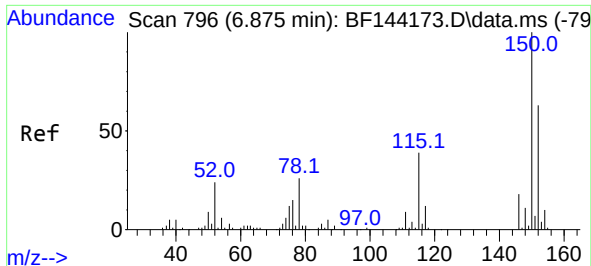
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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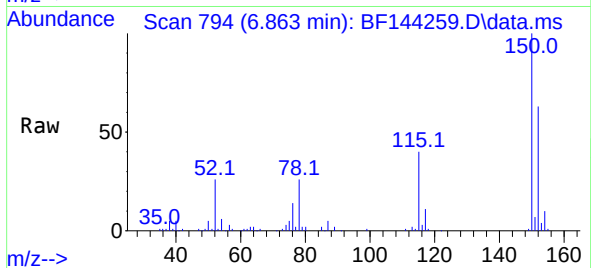
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Supervised By :Sohil Jodhani 11/17/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF144259.D
Acq: 14 Nov 2025 13:15

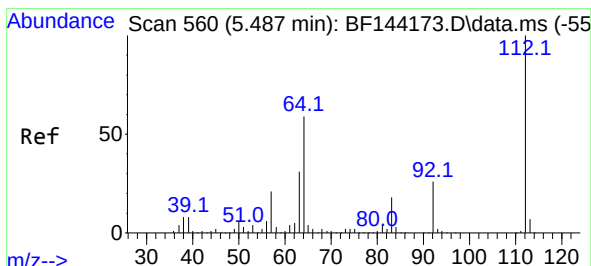
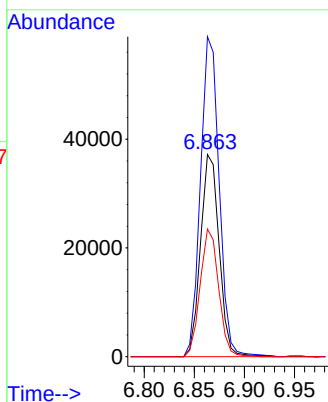
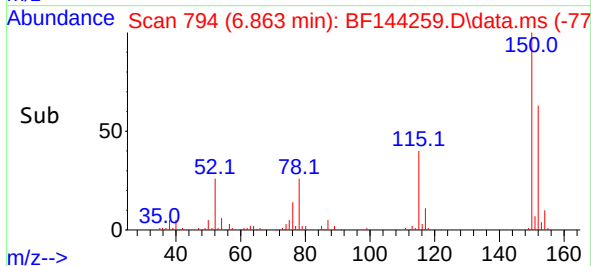
Instrument :
BNA_F
ClientSampleId :
TP-5



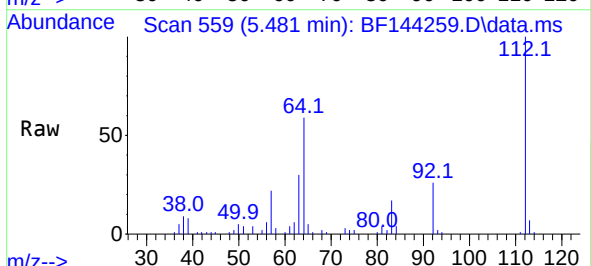
Tgt Ion:152 Resp: 48164
Ion Ratio Lower Upper
152 100
150 158.2 127.4 191.0
115 63.1 49.5 74.3

Manual Integrations
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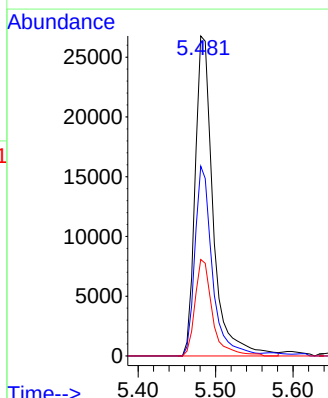
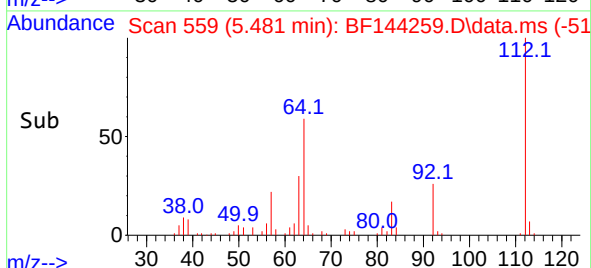
Reviewed By :Jagrut Upadhyay 11/17/2025
Supervised By :Sohil Jodhani 11/17/2025

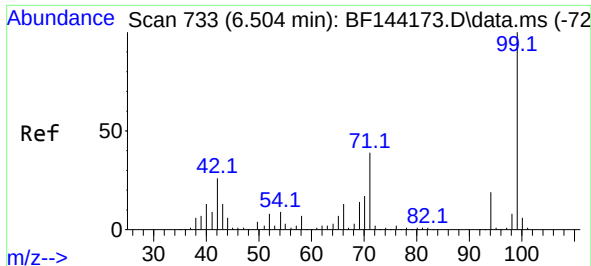


#5
2-Fluorophenol
Concen: 14.076 ng
RT: 5.481 min Scan# 559
Delta R.T. -0.012 min
Lab File: BF144259.D
Acq: 14 Nov 2025 13:15



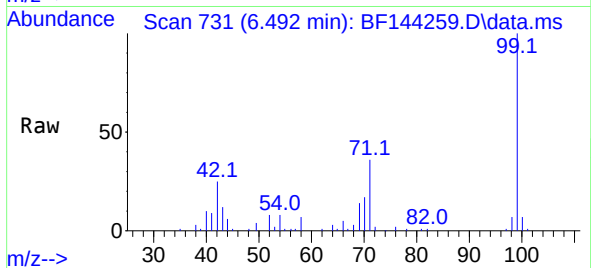
Tgt Ion:112 Resp: 43323
Ion Ratio Lower Upper
112 100
64 59.3 47.2 70.8
63 30.2 24.4 36.6





#7
Phenol-d6
Concen: 15.111 ng
RT: 6.492 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF144259.D
Acq: 14 Nov 2025 13:15

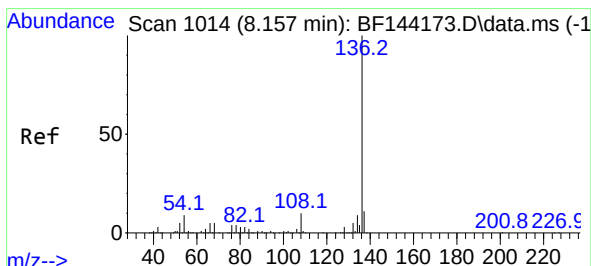
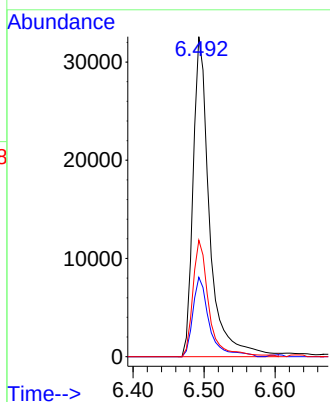
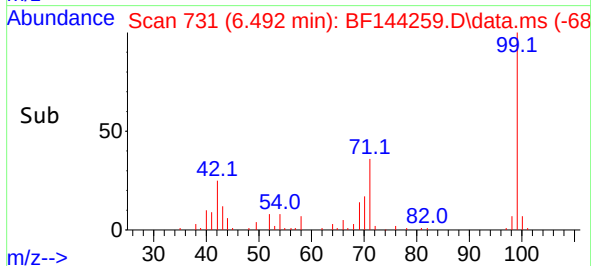
Instrument :
BNA_F
ClientSampleId :
TP-5



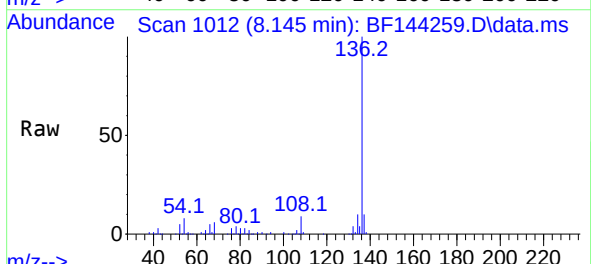
Tgt Ion: 99 Resp: 52698
Ion Ratio Lower Upper
99 100
42 24.8 20.9 31.3
71 36.4 31.4 47.2

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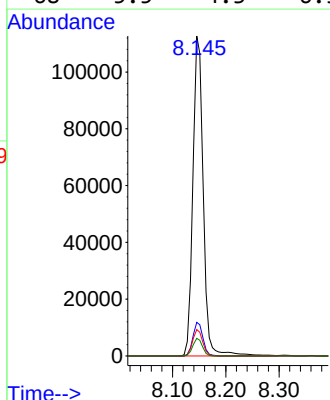
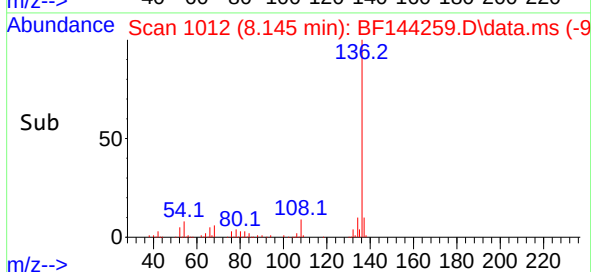
Reviewed By :Jagrut Upadhyay 11/17/2025
Supervised By :Sohil Jodhani 11/17/2025

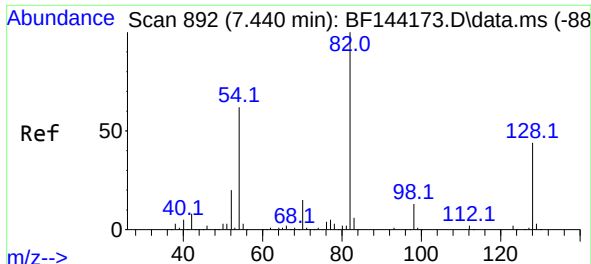


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF144259.D
Acq: 14 Nov 2025 13:15



Tgt Ion:136 Resp: 152955
Ion Ratio Lower Upper
136 100
137 10.5 8.6 13.0
54 8.2 7.0 10.6
68 5.5 4.3 6.5





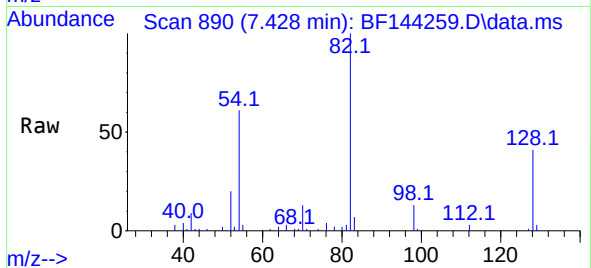
#23
Nitrobenzene-d5
Concen: 13.544 ng
RT: 7.428 min Scan# 89
Delta R.T. -0.006 min
Lab File: BF144259.D
Acq: 14 Nov 2025 13:15

Instrument :

BNA_F

ClientSampleId :

TP-5

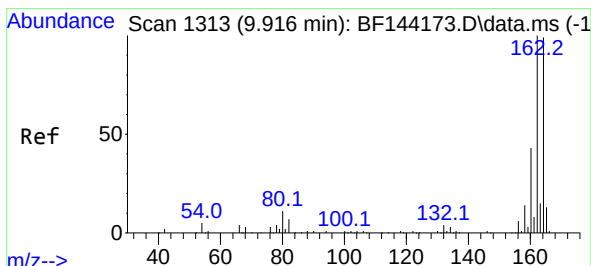
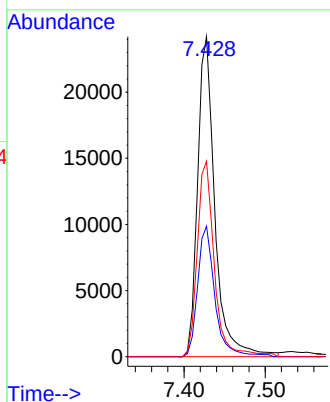
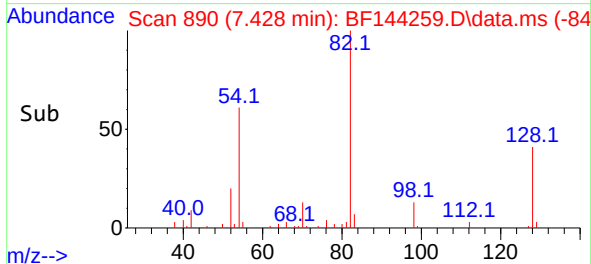


Tgt Ion: 82 Resp: 35870
Ion Ratio Lower Upper
82 100
128 40.8 34.7 52.1
54 61.1 49.5 74.3

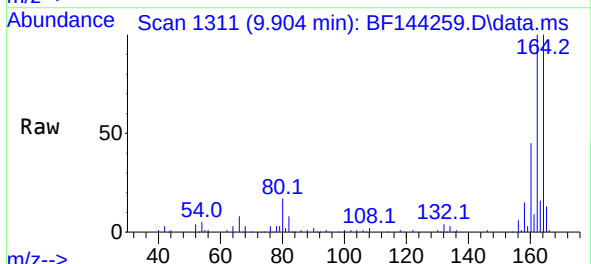
Manual Integrations

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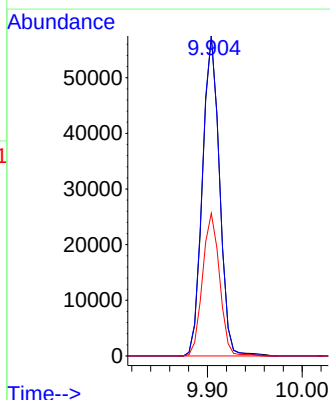
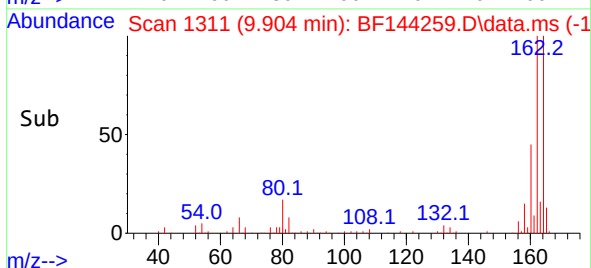
Reviewed By :Jagrut Upadhyay 11/17/2025
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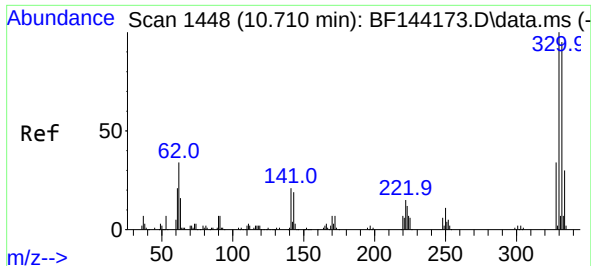


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1311
Delta R.T. -0.012 min
Lab File: BF144259.D
Acq: 14 Nov 2025 13:15



Tgt Ion:164 Resp: 71547
Ion Ratio Lower Upper
164 100
162 100.0 81.1 121.7
160 44.6 34.5 51.7





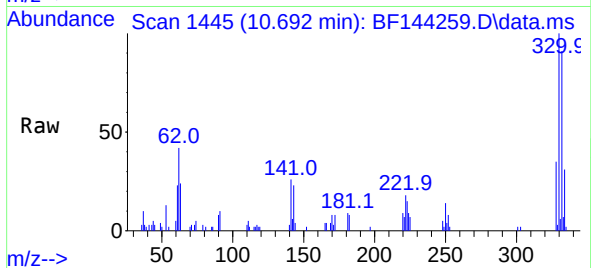
#42
2,4,6-Tribromophenol
Concen: 15.649 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF144259.D
Acq: 14 Nov 2025 13:15

Instrument :

BNA_F

ClientSampleId :

TP-5

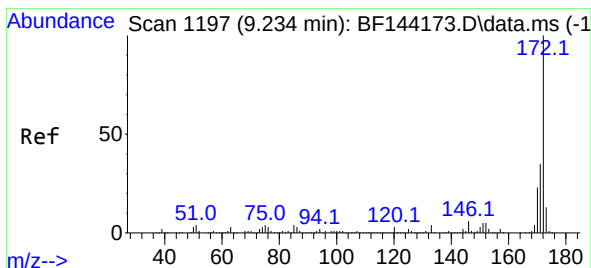
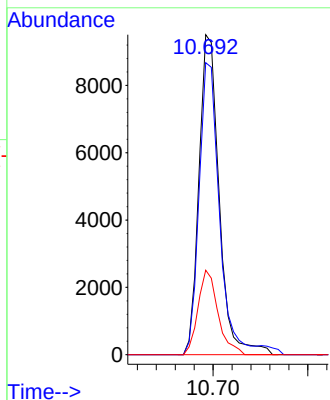
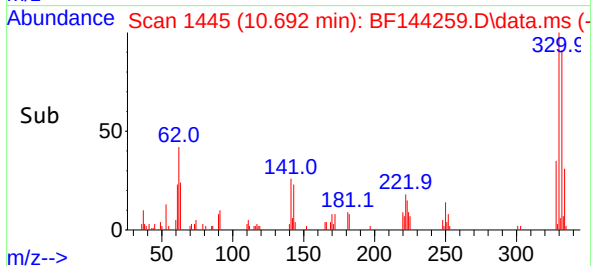


Tgt Ion:330 Resp: 14050
Ion Ratio Lower Upper
330 100
332 93.7 76.7 115.1
141 26.2 17.8 26.8

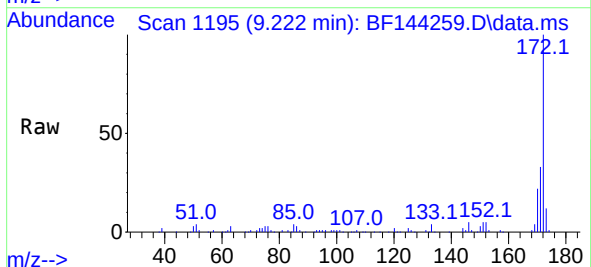
Manual Integrations

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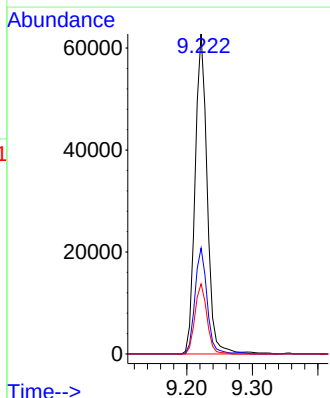
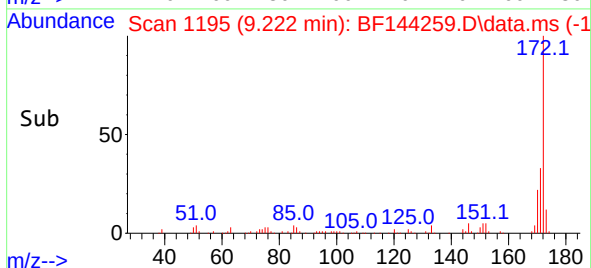
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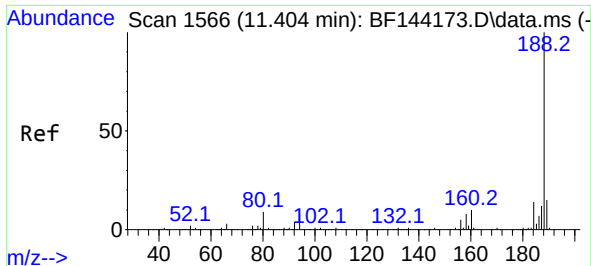


#45
2-Fluorobiphenyl
Concen: 16.648 ng
RT: 9.222 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BF144259.D
Acq: 14 Nov 2025 13:15



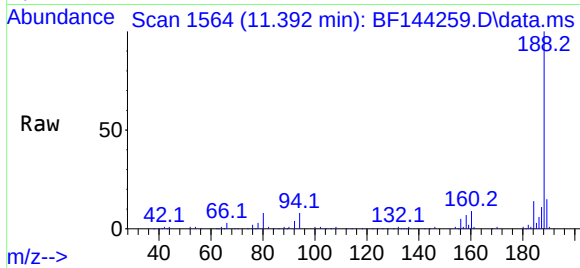
Tgt Ion:172 Resp: 80650
Ion Ratio Lower Upper
172 100
171 33.1 28.1 42.1
170 21.9 18.6 28.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1564
Delta R.T. -0.012 min
Lab File: BF144259.D
Acq: 14 Nov 2025 13:15

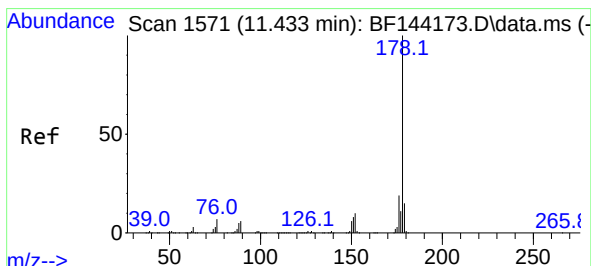
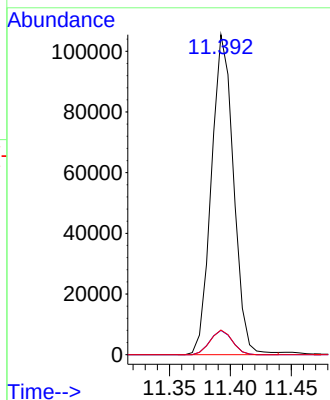
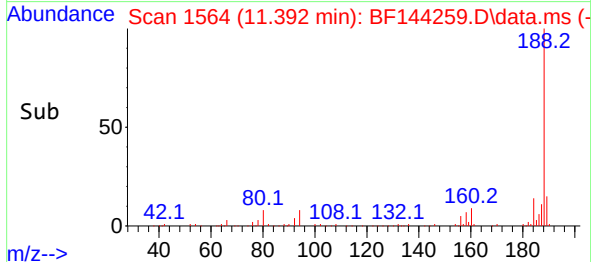
Instrument :
BNA_F
ClientSampleId :
TP-5



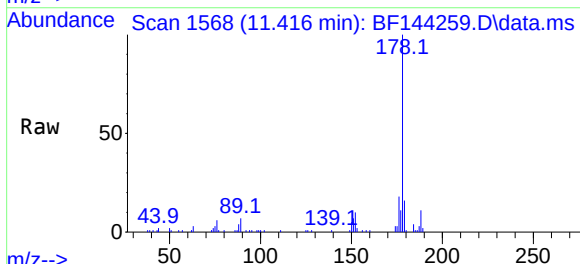
Tgt Ion:188 Resp: 13384
Ion Ratio Lower Upper
188 100
94 7.6 6.2 9.2
80 7.7 6.9 10.3

Manual Integrations
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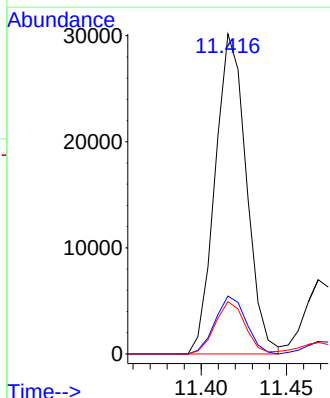
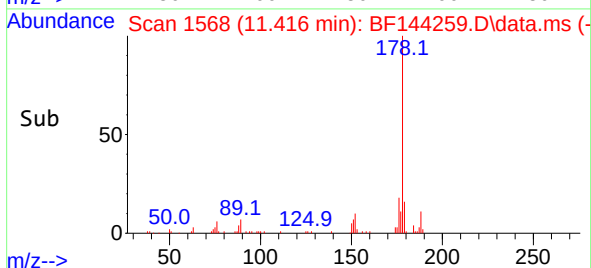
Reviewed By :Jagrut Upadhyay 11/17/2025
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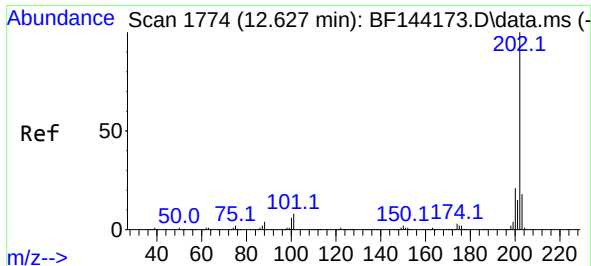


#71
Phenanthrene
Concen: 5.765 ng
RT: 11.416 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF144259.D
Acq: 14 Nov 2025 13:15



Tgt Ion:178 Resp: 38419
Ion Ratio Lower Upper
178 100
176 18.1 15.5 23.3
179 16.4 12.2 18.4





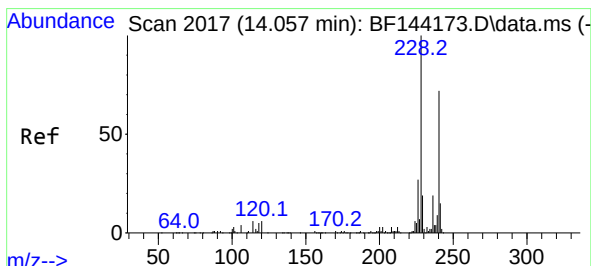
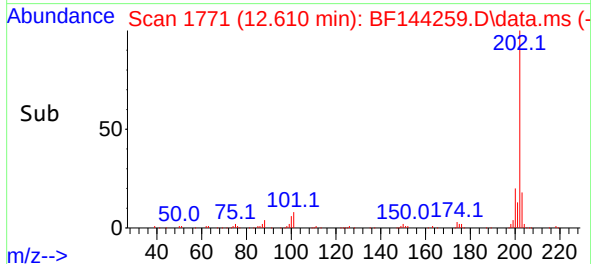
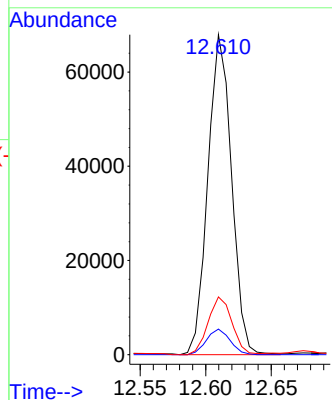
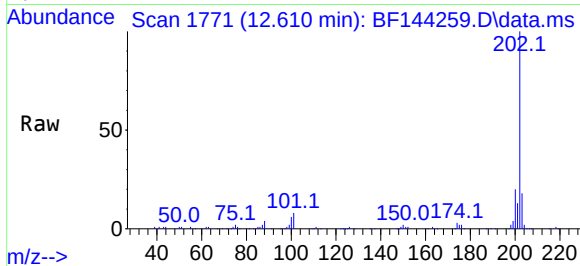
#75
Fluoranthene
Concen: 12.405 ng
RT: 12.610 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144259.D
Acq: 14 Nov 2025 13:15

Instrument :
BNA_F
ClientSampleId :
TP-5

Tgt Ion:202 Resp: 8539
Ion Ratio Lower Upper
202 100
101 8.0 0.0 27.9
203 18.0 0.0 37.5

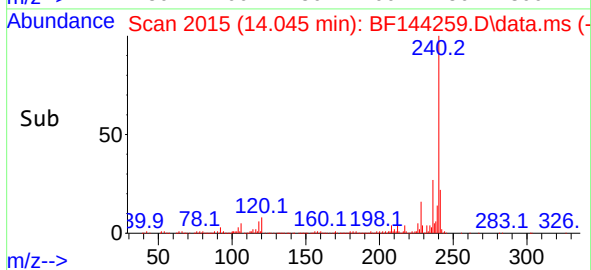
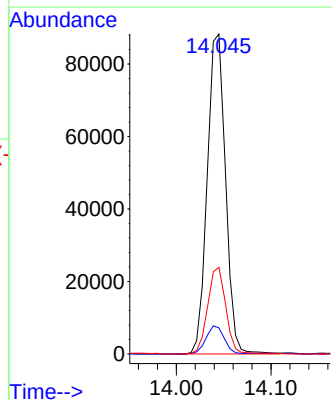
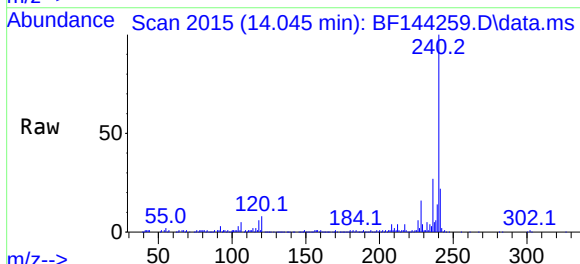
Manual Integrations
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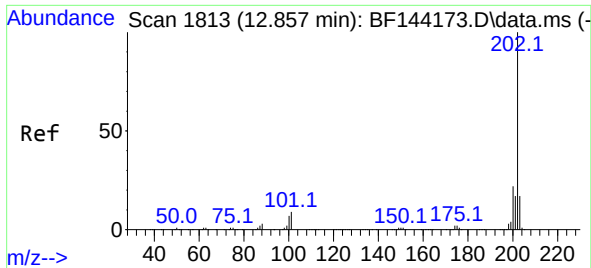
Reviewed By :Jagrut Upadhyay 11/17/2025
Supervised By :Sohil Jodhani 11/17/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF144259.D
Acq: 14 Nov 2025 13:15

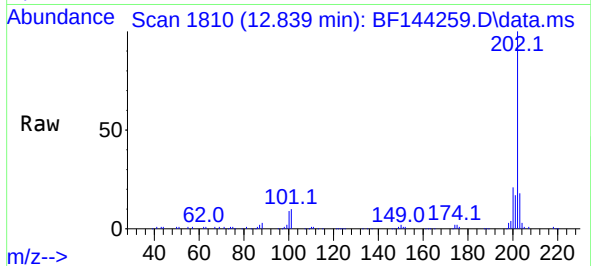
Tgt Ion:240 Resp: 118822
Ion Ratio Lower Upper
240 100
120 8.2 6.6 10.0
236 27.1 21.4 32.2





#78
Pyrene
Concen: 8.177 ng
RT: 12.839 min Scan# 1810
Delta R.T. -0.012 min
Lab File: BF144259.D
Acq: 14 Nov 2025 13:15

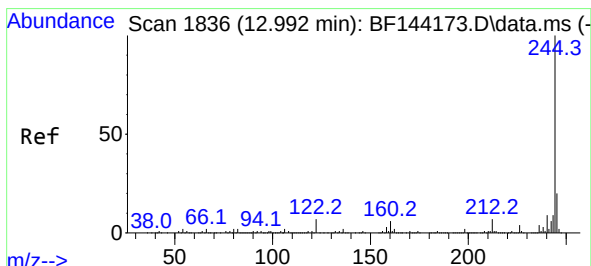
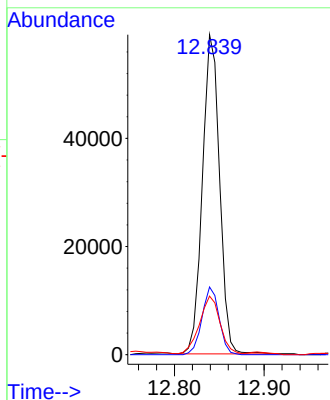
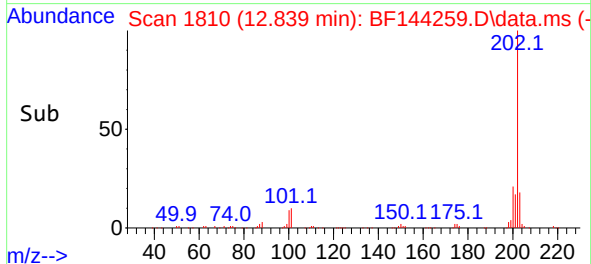
Instrument :
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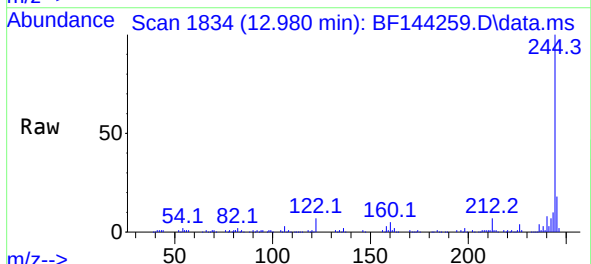
Tgt Ion:202 Resp: 78335
Ion Ratio Lower Upper
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200 21.1 17.2 25.8
203 18.3 13.7 20.5

Manual Integrations
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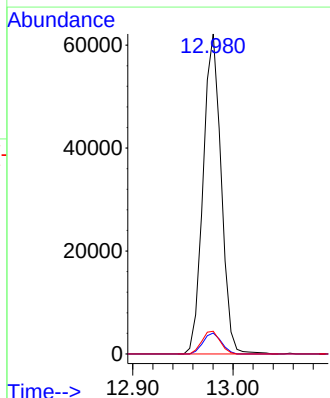
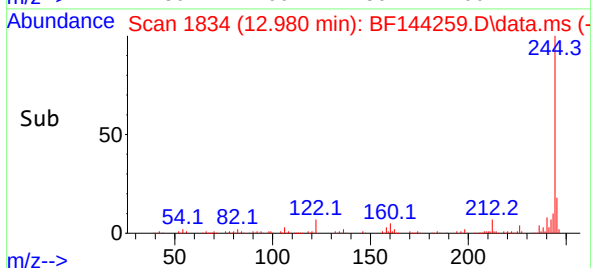
Reviewed By :Jagrut Upadhyay 11/17/2025
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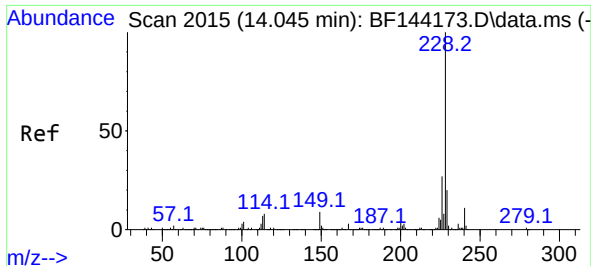


#79
Terphenyl-d14
Concen: 10.370 ng
RT: 12.980 min Scan# 1834
Delta R.T. -0.012 min
Lab File: BF144259.D
Acq: 14 Nov 2025 13:15



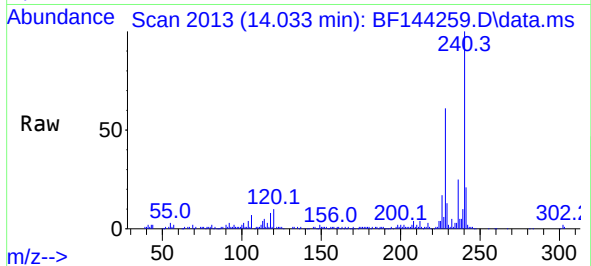
Tgt Ion:244 Resp: 77575
Ion Ratio Lower Upper
244 100
212 6.5 5.3 7.9
122 7.1 5.6 8.4





#81
Benzo(a)anthracene
Concen: 5.657 ng
RT: 14.033 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF144259.D
Acq: 14 Nov 2025 13:15

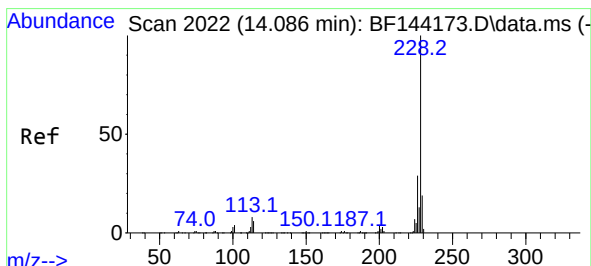
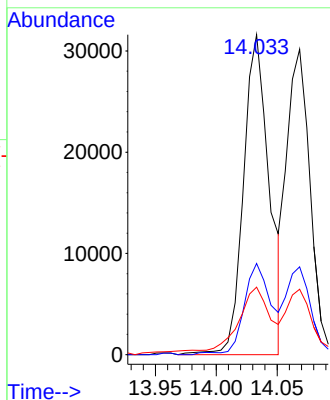
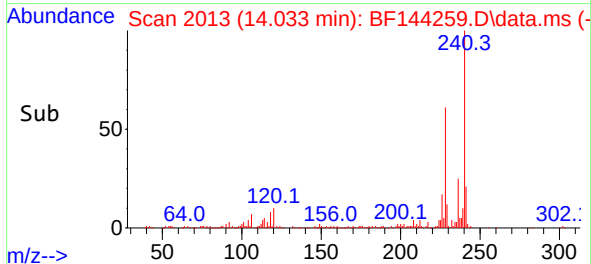
Instrument :
BNA_F
ClientSampleId :
TP-5



Tgt Ion:228 Resp: 46580
Ion Ratio Lower Upper
228 100
226 28.5 21.8 32.8
229 21.1 15.8 23.6

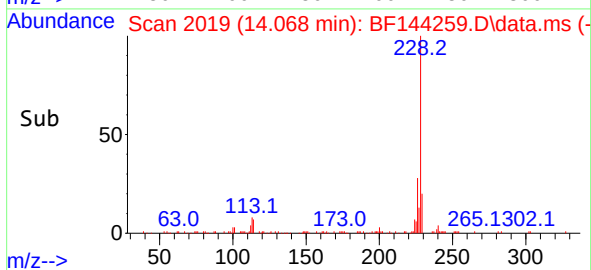
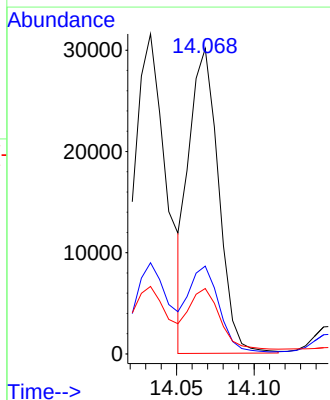
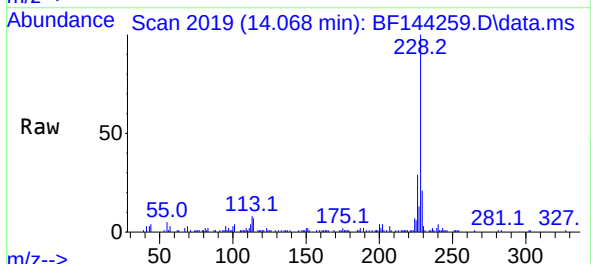
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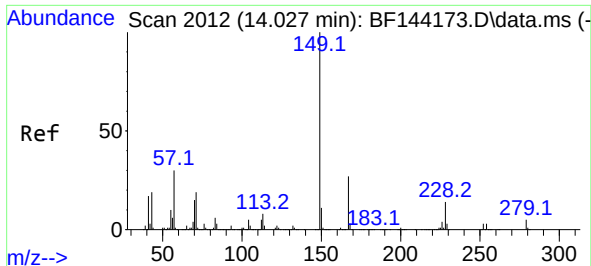
Reviewed By :Jagrut Upadhyay 11/17/2025
Supervised By :Sohil Jodhani 11/17/2025



#83
Chrysene
Concen: 5.278 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF144259.D
Acq: 14 Nov 2025 13:15

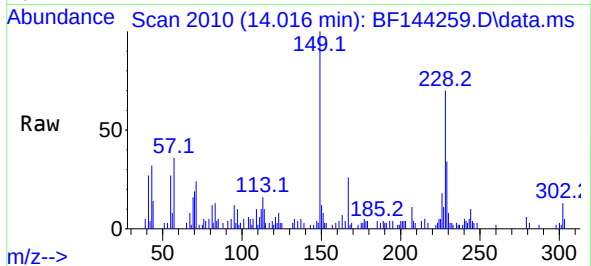
Tgt Ion:228 Resp: 40125
Ion Ratio Lower Upper
228 100
226 28.8 22.9 34.3
229 21.4 15.0 22.6





#84
Bis(2-ethylhexyl)phthalate
Concen: 2.148 ng
RT: 14.016 min Scan# 2012
Delta R.T. -0.012 min
Lab File: BF144259.D
Acq: 14 Nov 2025 13:15

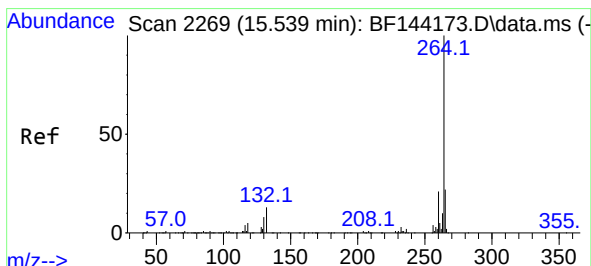
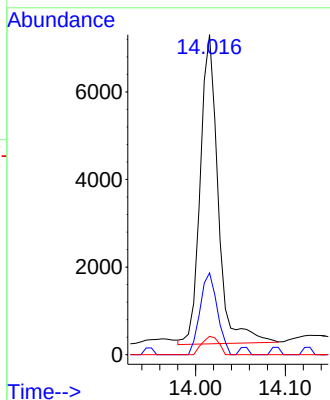
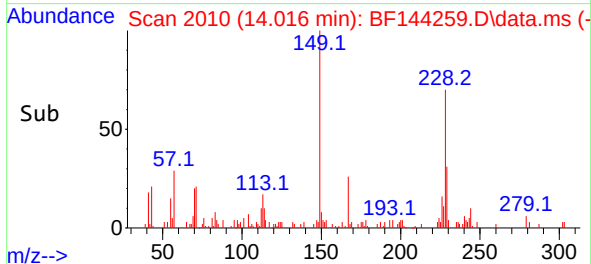
Instrument :
BNA_F
ClientSampleId :
TP-5



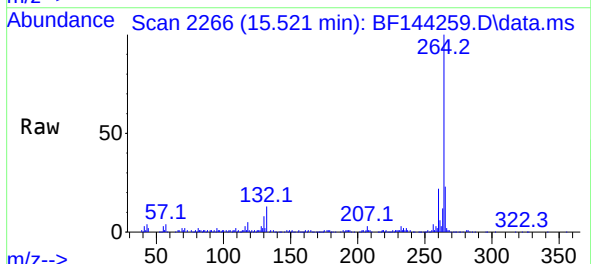
Tgt Ion:149 Resp: 976
Ion Ratio Lower Upper
149 100
167 25.6 21.8 32.8
279 5.7 3.7 5.5

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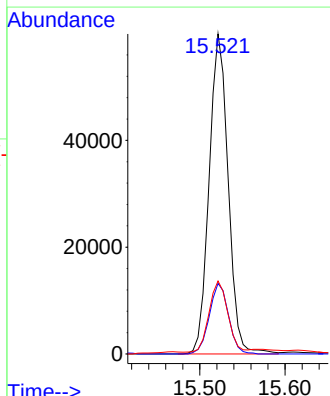
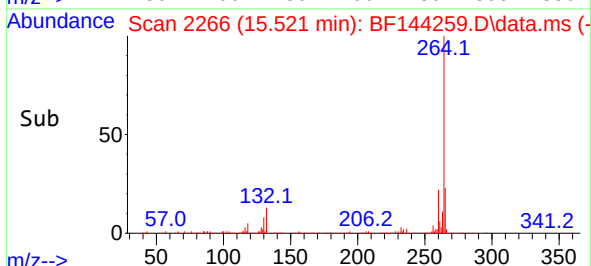
Reviewed By :Jagrut Upadhyay 11/17/2025
Supervised By :Sohil Jodhani 11/17/2025

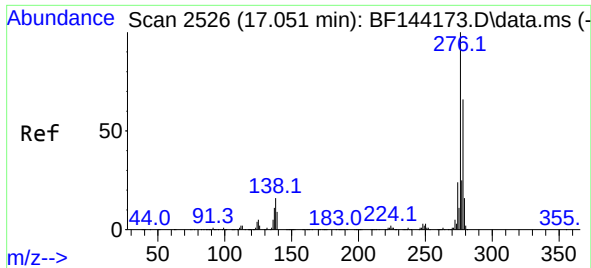


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2266
Delta R.T. -0.018 min
Lab File: BF144259.D
Acq: 14 Nov 2025 13:15



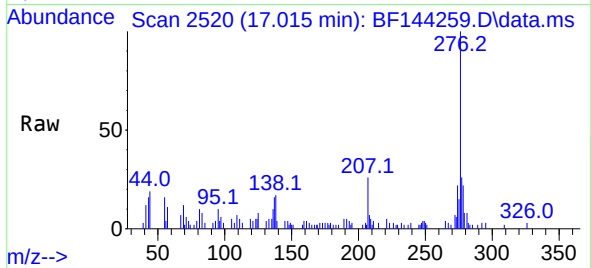
Tgt Ion:264 Resp: 93122
Ion Ratio Lower Upper
264 100
260 22.0 17.1 25.7
265 22.8 17.4 26.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 2.293 ng
RT: 17.015 min Scan# 2193
Delta R.T. -0.018 min
Lab File: BF144259.D
Acq: 14 Nov 2025 13:15

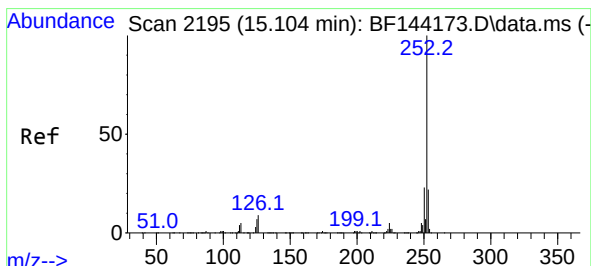
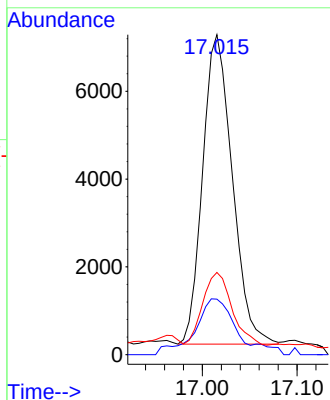
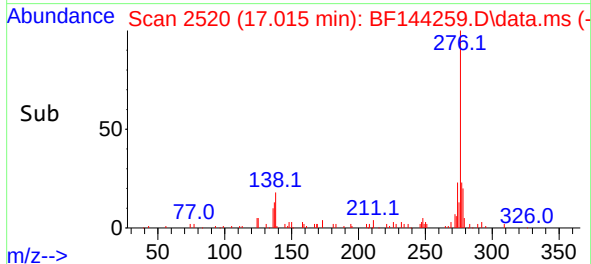
Instrument :
BNA_F
ClientSampleId :
TP-5



Tgt Ion: 276 Resp: 15329
Ion Ratio Lower Upper
276 100
138 25.4 13.9 20.9
277 24.4 19.8 29.6

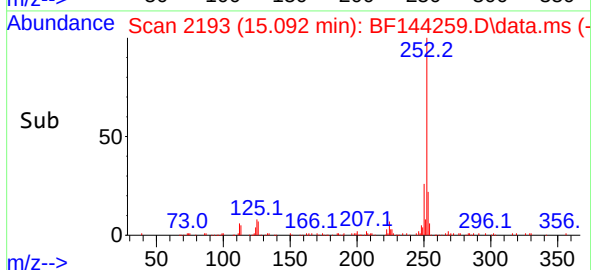
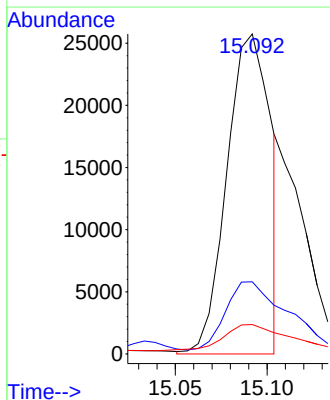
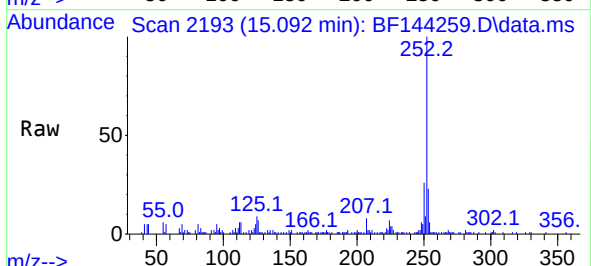
Manual Integrations
APPROVED

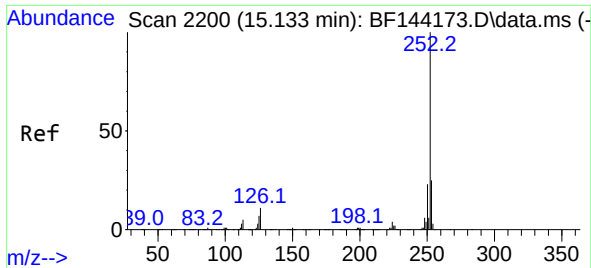
Reviewed By : Jagrut Upadhyay 11/17/2025
Supervised By : Sohil Jodhani 11/17/2025



#88
Benzo(b)fluoranthene
Concen: 8.094 ng m
RT: 15.092 min Scan# 2193
Delta R.T. -0.006 min
Lab File: BF144259.D
Acq: 14 Nov 2025 13:15

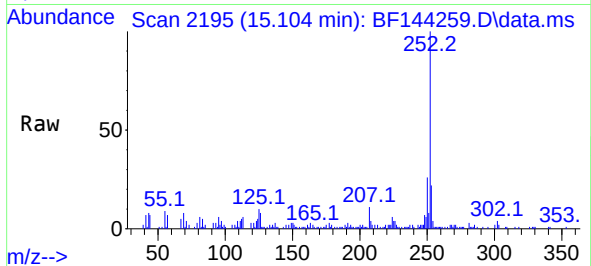
Tgt Ion: 252 Resp: 42851
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.2
125 9.2 5.3 7.9#





#89
Benzo(k)fluoranthene
Concen: 3.421 ng m
RT: 15.104 min Scan# 2195
Delta R.T. -0.024 min
Lab File: BF144259.D
Acq: 14 Nov 2025 13:15

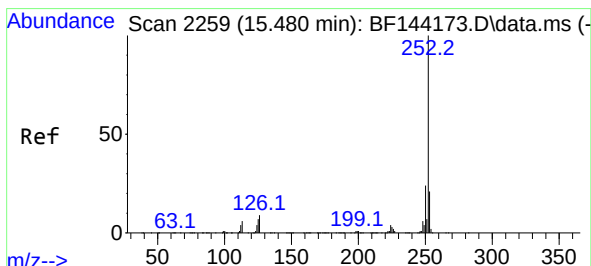
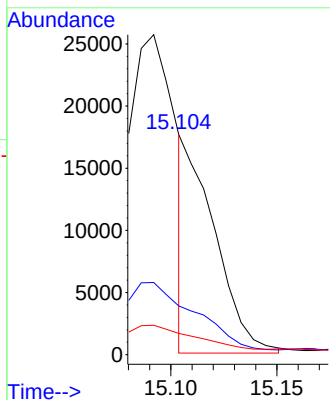
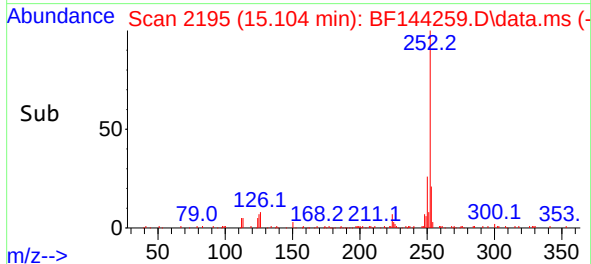
Instrument :
BNA_F
ClientSampleId :
TP-5



Tgt Ion:252 Resp: 16954
Ion Ratio Lower Upper
252 100
253 22.1 18.0 27.0
125 9.7 5.4 8.2

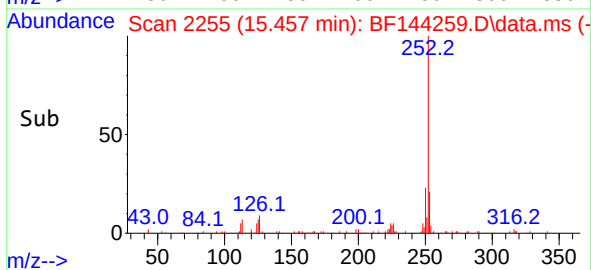
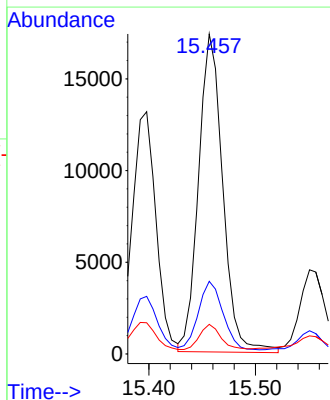
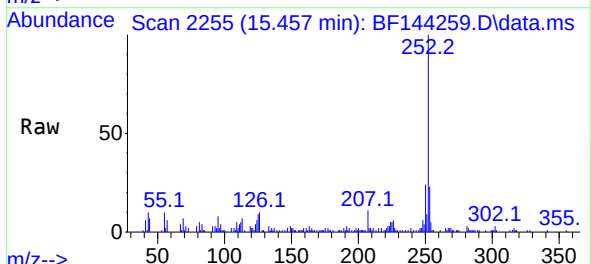
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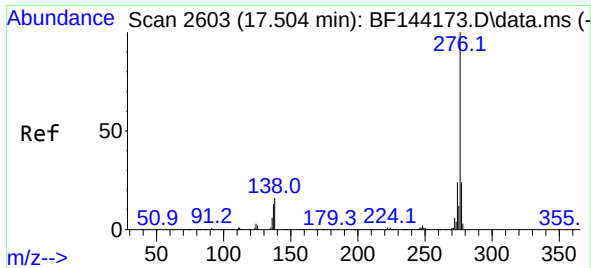
Reviewed By :Jagrut Upadhyay 11/17/2025
Supervised By :Sohil Jodhani 11/17/2025



#90
Benzo(a)pyrene
Concen: 5.631 ng
RT: 15.457 min Scan# 2255
Delta R.T. -0.018 min
Lab File: BF144259.D
Acq: 14 Nov 2025 13:15

Tgt Ion:252 Resp: 27503
Ion Ratio Lower Upper
252 100
253 22.7 16.7 25.1
125 9.2 5.7 8.5





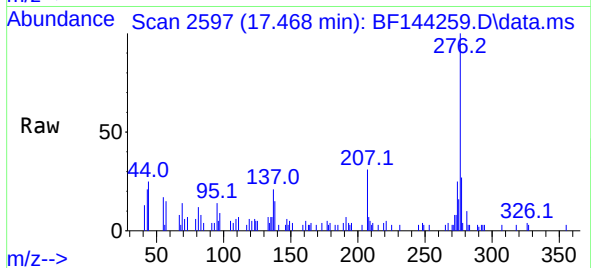
#92
Benzo(g,h,i)perylene
Concen: 2.980 ng
RT: 17.468 min Scan# 2597
Delta R.T. -0.024 min
Lab File: BF144259.D
Acq: 14 Nov 2025 13:15

Instrument :

BNA_F

ClientSampleId :

TP-5



Tgt Ion:276 Resp: 1580
Ion Ratio Lower Upper
276 100
277 26.6 19.0 28.4
138 15.5 12.9 19.3

Manual Integrations

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Reviewed By :Jagrut Upadhyay 11/17/2025
Supervised By :Sohil Jodhani 11/17/2025

