

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111425\
 Data File : BF144260.D
 Acq On : 14 Nov 2025 13:45
 Operator : RC/JU
 Sample : Q3601-13 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

Manual Integrations
 APPROVED

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

Quant Time: Nov 14 14:05:43 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	44433	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	149686	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	67237	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	128872	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	116964	20.000	ng	0.00
86) Perylene-d12	15.521	264	89103	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	52943	18.646	ng	-0.01
7) Phenol-d6	6.492	99	57954	18.013	ng	0.00
23) Nitrobenzene-d5	7.428	82	34252	13.216	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	14153	16.774	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	74764	16.423	ng	0.00
79) Terphenyl-d14	12.980	244	78456	10.655	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.416	178	85131	13.268	ng	99
72) Anthracene	11.469	178	18102	2.775	ng	97
75) Fluoranthene	12.610	202	159986	24.138	ng	99
78) Pyrene	12.839	202	151479	16.062	ng	98
81) Benzo(a)anthracene	14.033	228	77794	9.597	ng	97
83) Chrysene	14.068	228	64613	8.634	ng	96
87) Indeno(1,2,3-cd)pyrene	17.015	276	25182	3.937	ng	98
88) Benzo(b)fluoranthene	15.092	252	63731m	12.581	ng	
89) Benzo(k)fluoranthene	15.104	252	27161m	5.728	ng	
90) Benzo(a)pyrene	15.457	252	45604	9.758	ng	# 93
92) Benzo(g,h,i)perylene	17.474	276	26350	5.195	ng	97

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

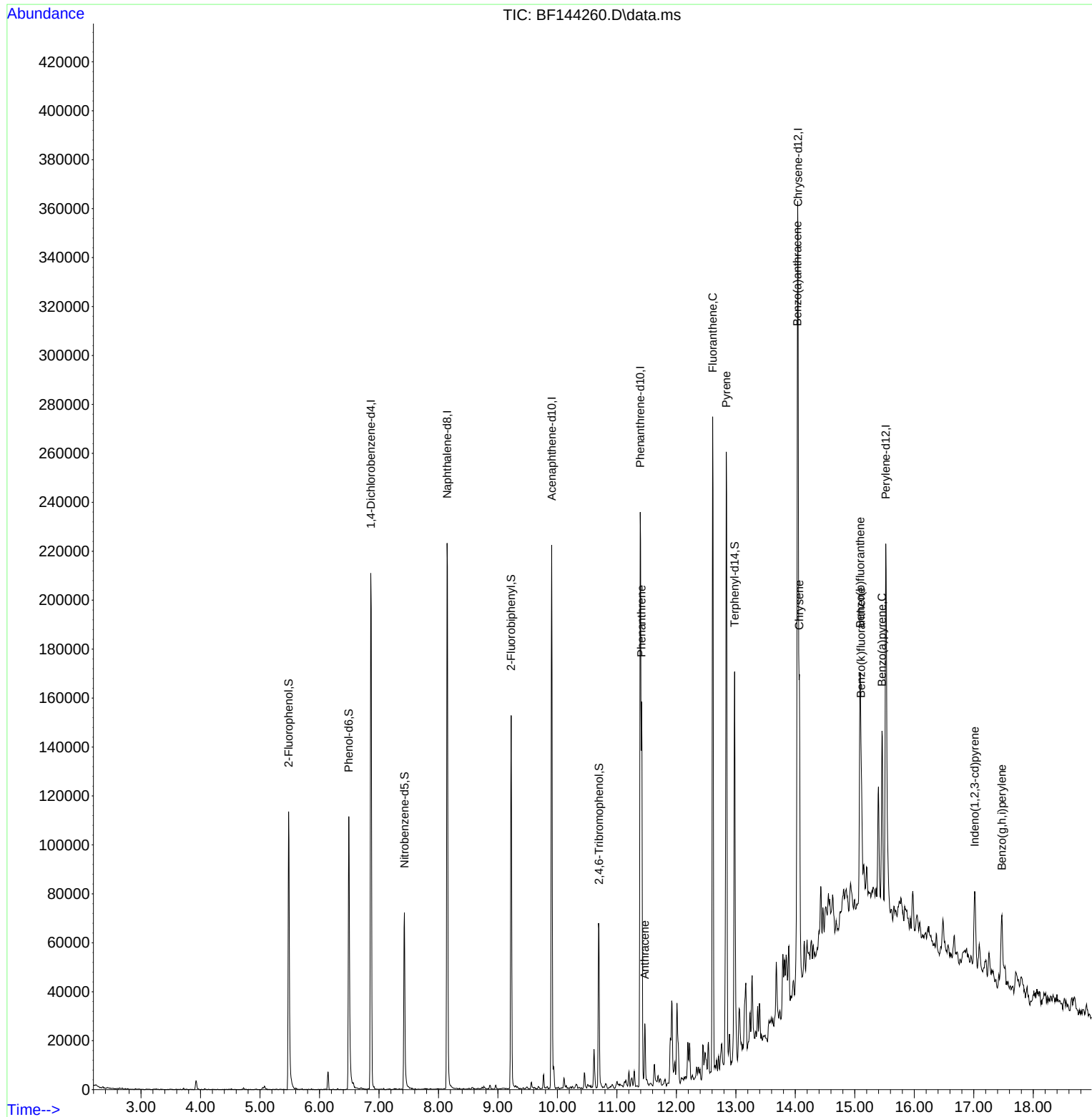
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111425\
Data File : BF144260.D
Acq On : 14 Nov 2025 13:45
Operator : RC/JU
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ALS Vial : 9 Sample Multiplier: 1

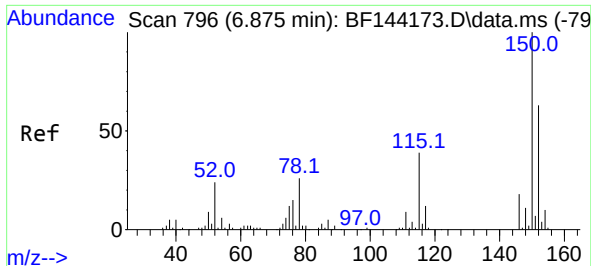
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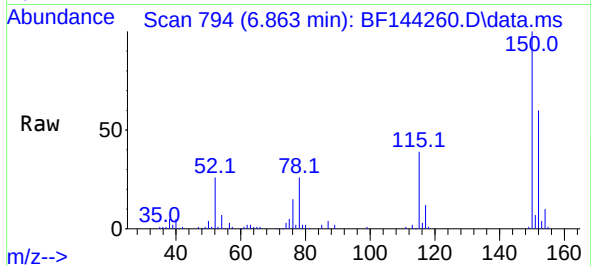
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Supervised By :Sohil Jodhani 11/17/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF144260.D
Acq: 14 Nov 2025 13:45

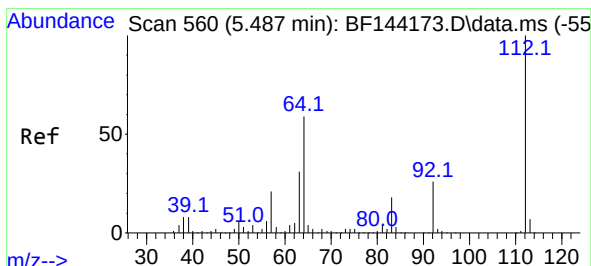
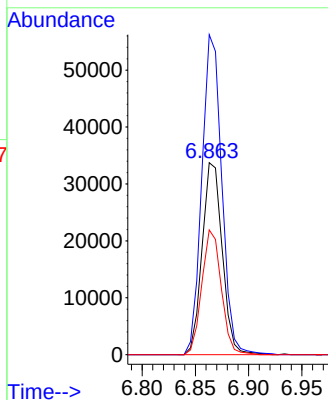
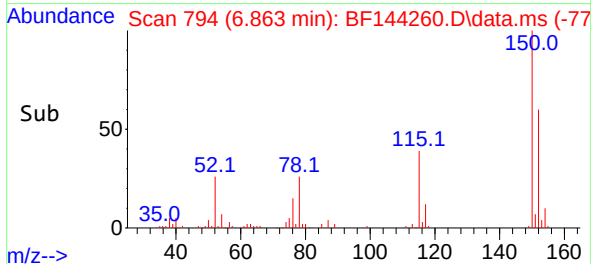
Instrument :
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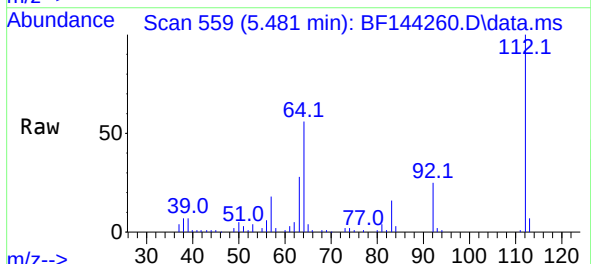
Tgt Ion:152 Resp: 4443
Ion Ratio Lower Upper
152 100
150 166.7 127.4 191.0
115 65.0 49.5 74.3

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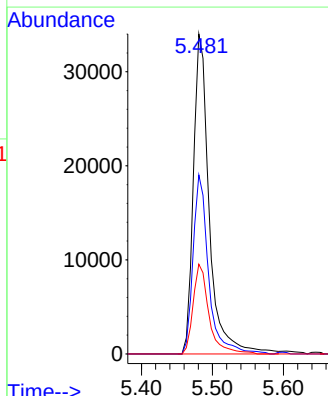
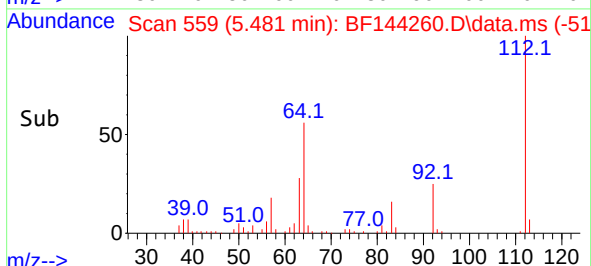
Reviewed By :Jagrut Upadhyay 11/17/2025
Supervised By :Sohil Jodhani 11/17/2025

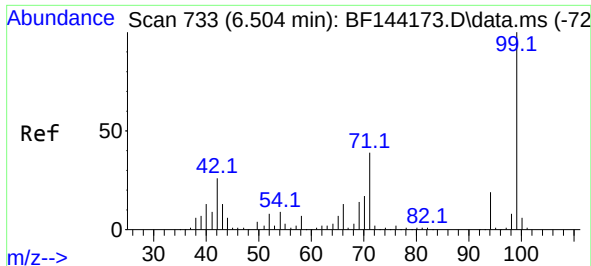


#5
2-Fluorophenol
Concen: 18.646 ng
RT: 5.481 min Scan# 559
Delta R.T. -0.012 min
Lab File: BF144260.D
Acq: 14 Nov 2025 13:45



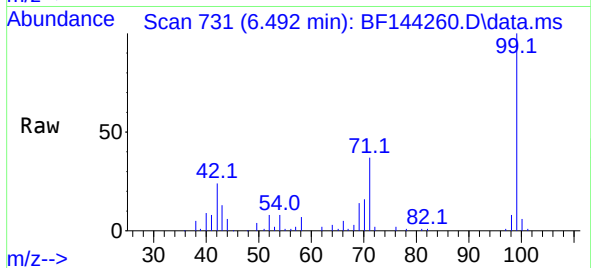
Tgt Ion:112 Resp: 52943
Ion Ratio Lower Upper
112 100
64 56.0 47.2 70.8
63 28.0 24.4 36.6





#7
Phenol-d6
Concen: 18.013 ng
RT: 6.492 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF144260.D
Acq: 14 Nov 2025 13:45

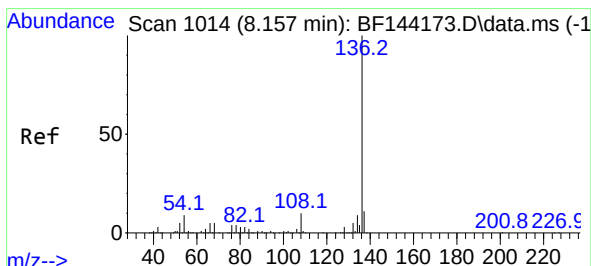
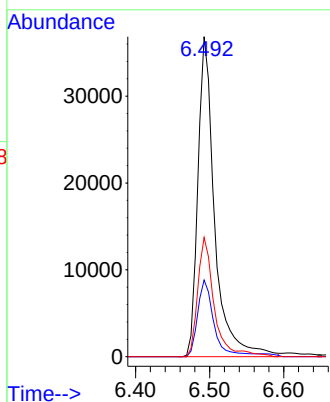
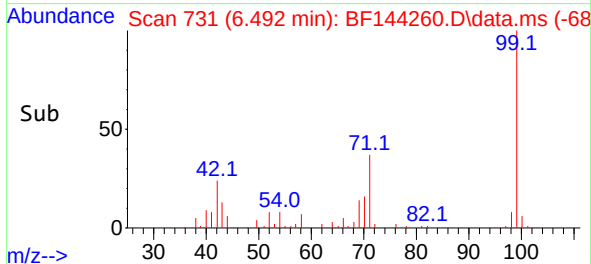
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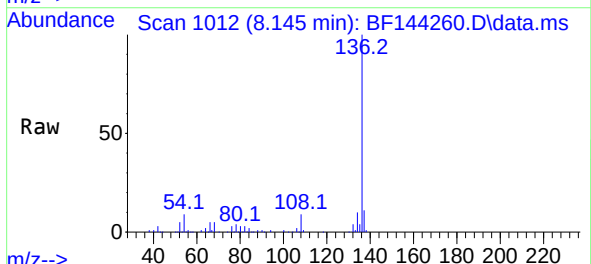
Tgt Ion: 99 Resp: 57954
Ion Ratio Lower Upper
99 100
42 23.9 20.9 31.3
71 37.2 31.4 47.2

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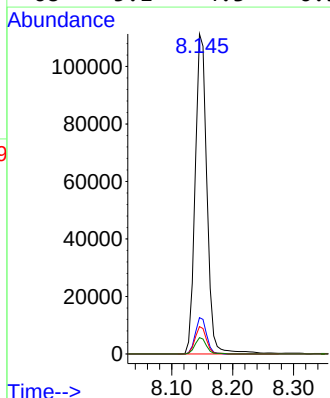
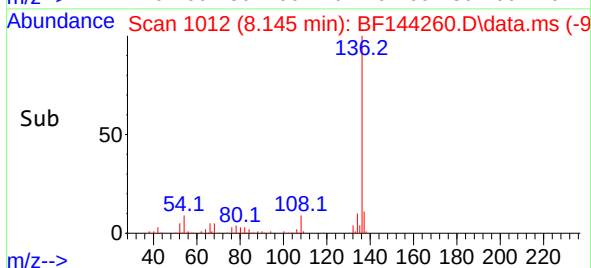
Reviewed By :Jagrut Upadhyay 11/17/2025
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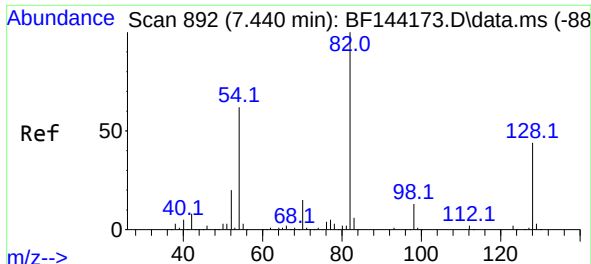


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF144260.D
Acq: 14 Nov 2025 13:45



Tgt Ion:136 Resp: 149686
Ion Ratio Lower Upper
136 100
137 11.4 8.6 13.0
54 8.6 7.0 10.6
68 5.1 4.3 6.5





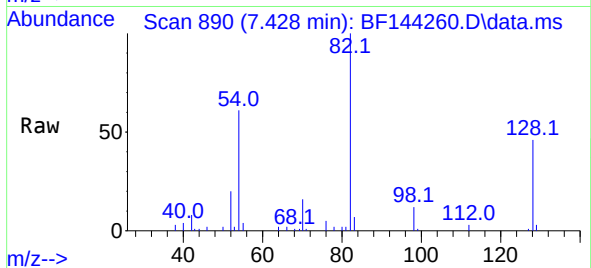
#23
Nitrobenzene-d5
Concen: 13.216 ng
RT: 7.428 min Scan# 89
Delta R.T. -0.006 min
Lab File: BF144260.D
Acq: 14 Nov 2025 13:45

Instrument :

BNA_F

ClientSampleId :

TP-4

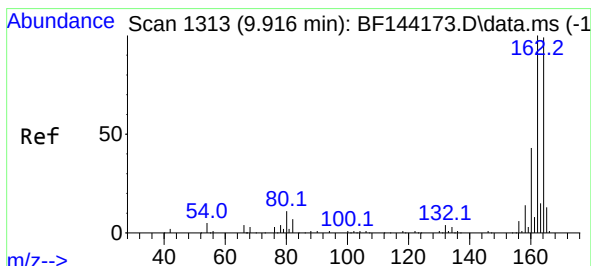
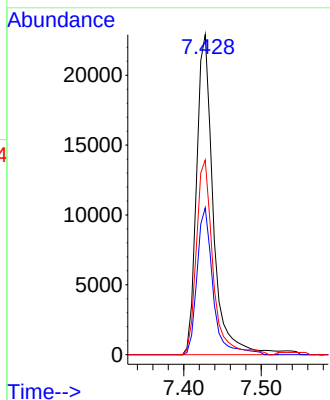
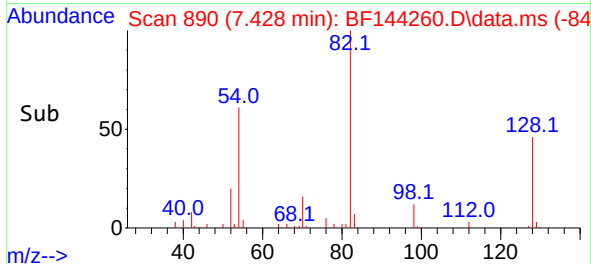


Tgt Ion: 82 Resp: 3425
Ion Ratio Lower Upper
82 100
128 45.9 34.7 52.1
54 60.9 49.5 74.3

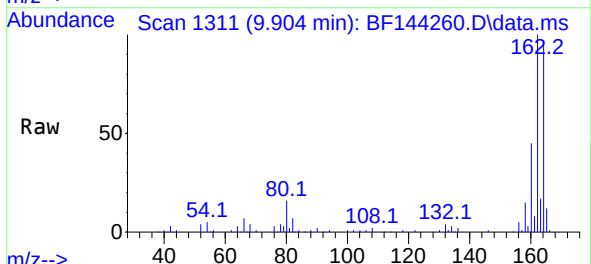
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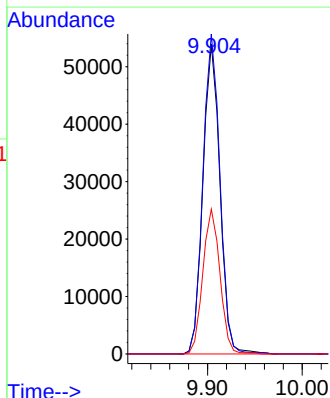
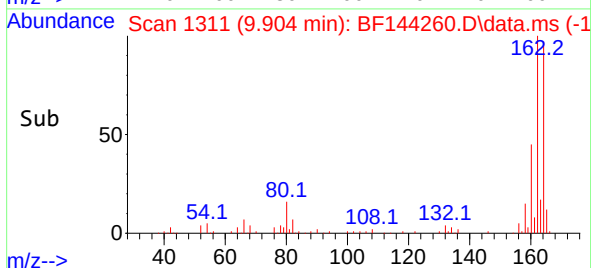
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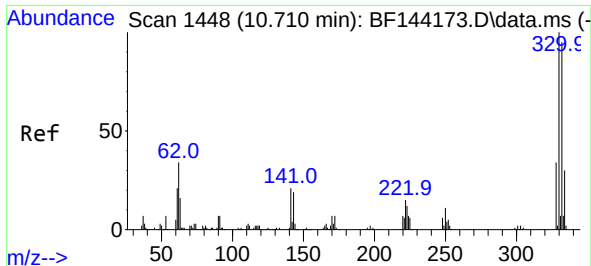


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1311
Delta R.T. -0.012 min
Lab File: BF144260.D
Acq: 14 Nov 2025 13:45



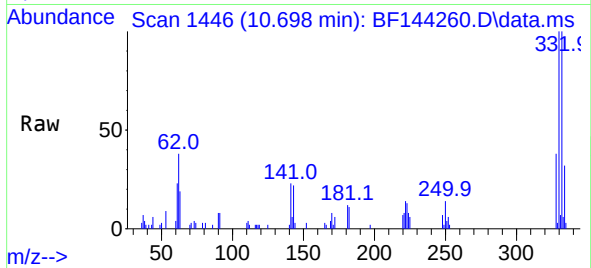
Tgt Ion:164 Resp: 67237
Ion Ratio Lower Upper
164 100
162 103.2 81.1 121.7
160 46.7 34.5 51.7





#42
2,4,6-Tribromophenol
Concen: 16.774 ng
RT: 10.698 min Scan# 1446
Delta R.T. -0.006 min
Lab File: BF144260.D
Acq: 14 Nov 2025 13:45

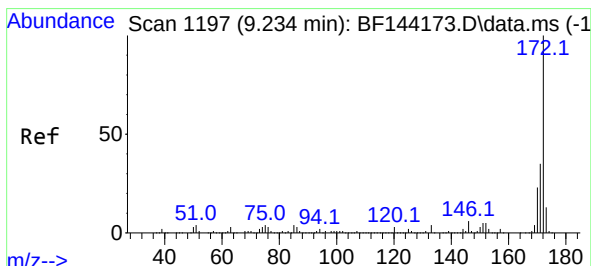
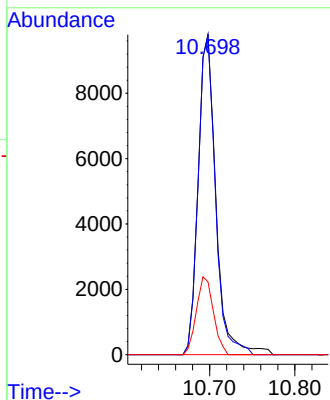
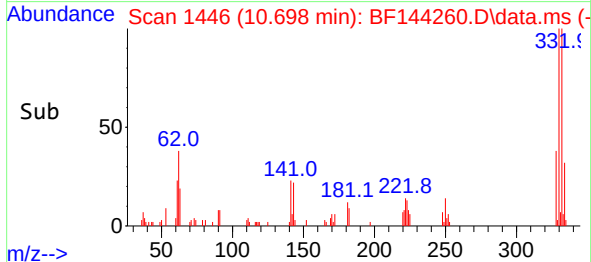
Instrument :
BNA_F
ClientSampleId :
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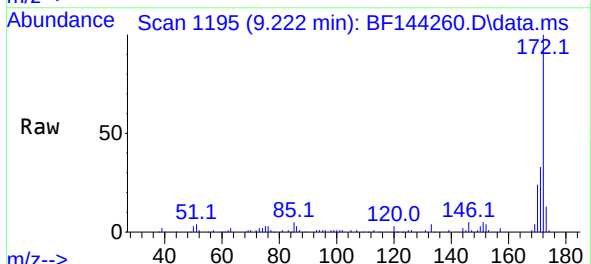
Tgt Ion: 330 Resp: 1415
Ion Ratio Lower Upper
330 100
332 96.6 76.7 115.1
141 23.3 17.8 26.8

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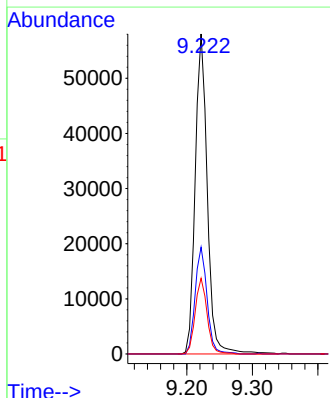
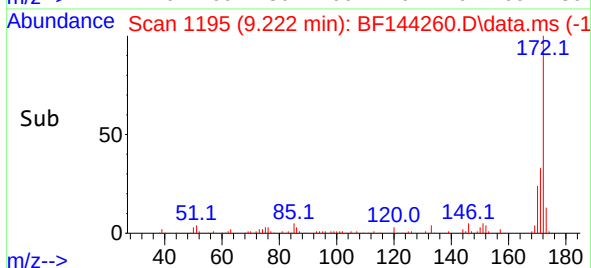
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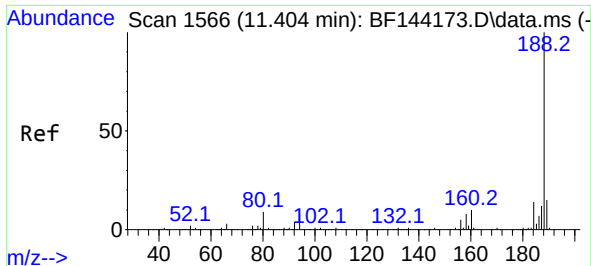


#45
2-Fluorobiphenyl
Concen: 16.423 ng
RT: 9.222 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BF144260.D
Acq: 14 Nov 2025 13:45



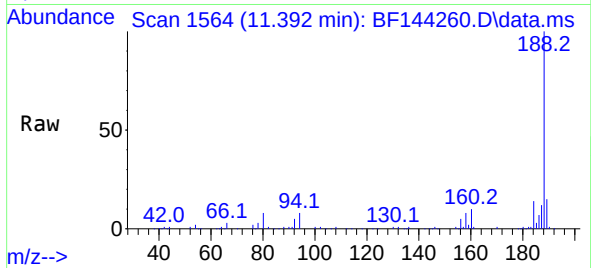
Tgt Ion: 172 Resp: 74764
Ion Ratio Lower Upper
172 100
171 33.3 28.1 42.1
170 23.6 18.6 28.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144260.D
Acq: 14 Nov 2025 13:45

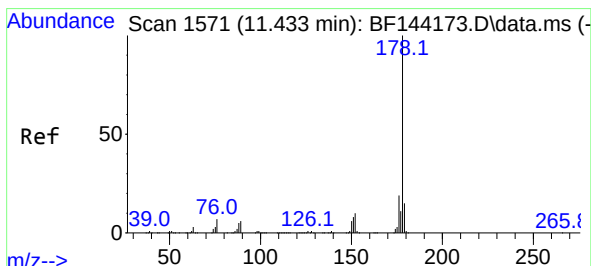
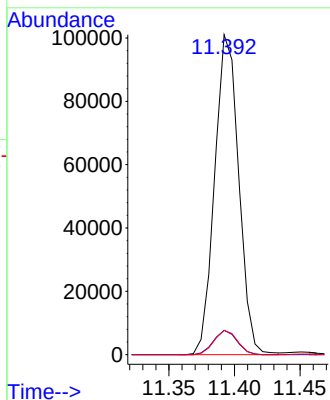
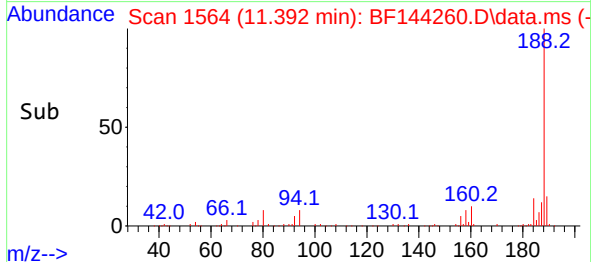
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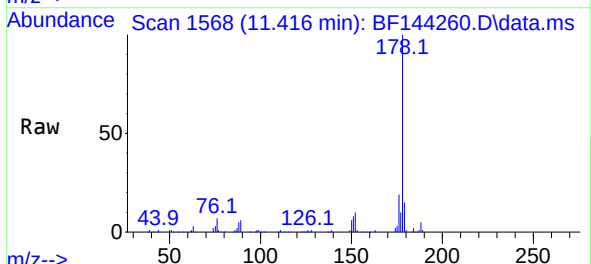
Tgt Ion:188 Resp: 128872
Ion Ratio Lower Upper
188 100
94 7.6 6.2 9.2
80 7.6 6.9 10.3

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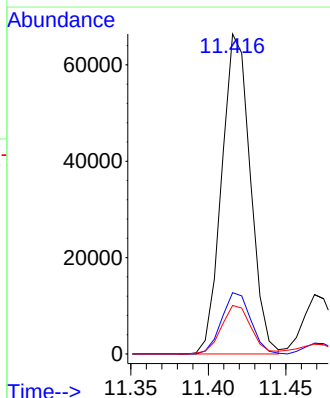
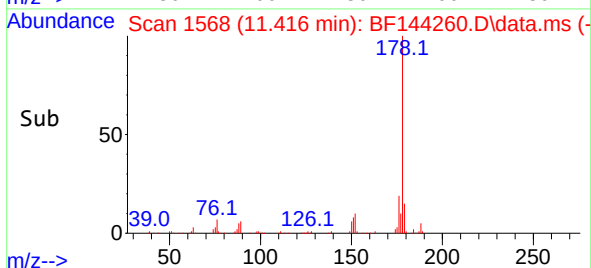
Reviewed By :Jagrut Upadhyay 11/17/2025
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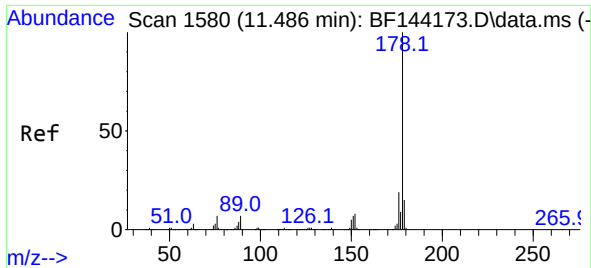


#71
Phenanthrene
Concen: 13.268 ng
RT: 11.416 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF144260.D
Acq: 14 Nov 2025 13:45



Tgt Ion:178 Resp: 85131
Ion Ratio Lower Upper
178 100
176 19.1 15.5 23.3
179 15.1 12.2 18.4





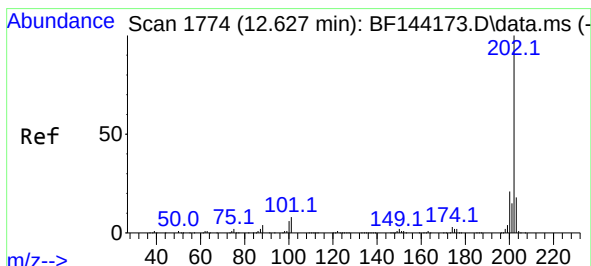
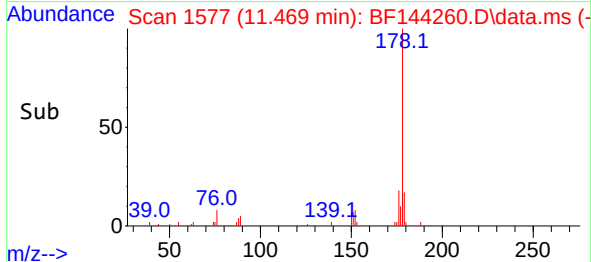
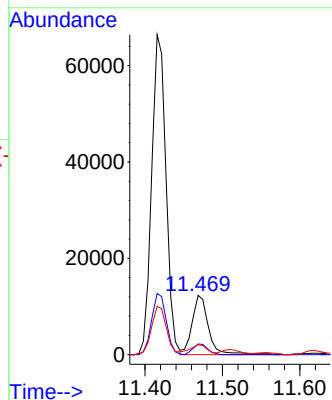
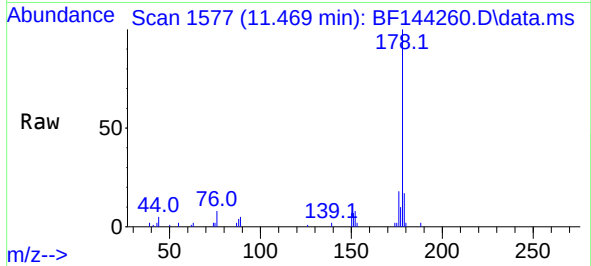
#72
 Anthracene
 Concen: 2.775 ng
 RT: 11.469 min Scan# 1146
 Delta R.T. -0.012 min
 Lab File: BF144260.D
 Acq: 14 Nov 2025 13:45

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion:178 Resp: 1810
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.3 22.9
 179 16.9 12.0 18.0

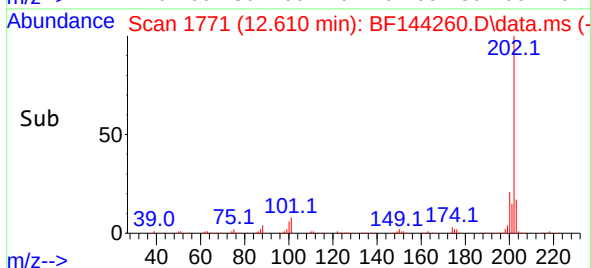
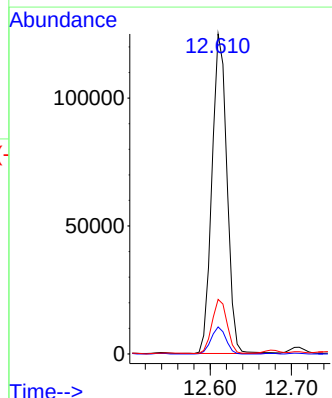
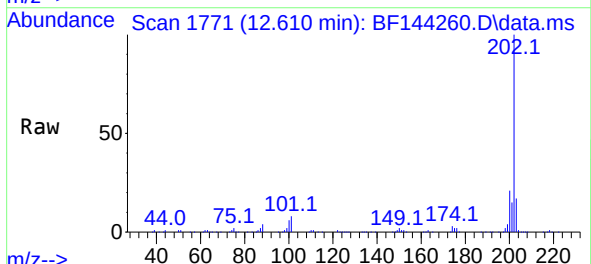
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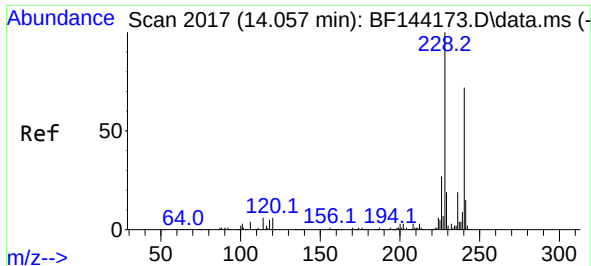
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#75
 Fluoranthene
 Concen: 24.138 ng
 RT: 12.610 min Scan# 1771
 Delta R.T. -0.012 min
 Lab File: BF144260.D
 Acq: 14 Nov 2025 13:45

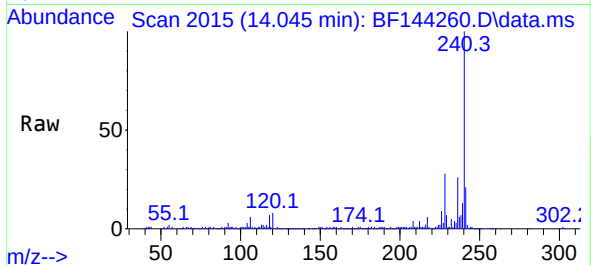
Tgt Ion:202 Resp: 159986
 Ion Ratio Lower Upper
 202 100
 101 8.5 0.0 27.9
 203 17.1 0.0 37.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF144260.D
Acq: 14 Nov 2025 13:45

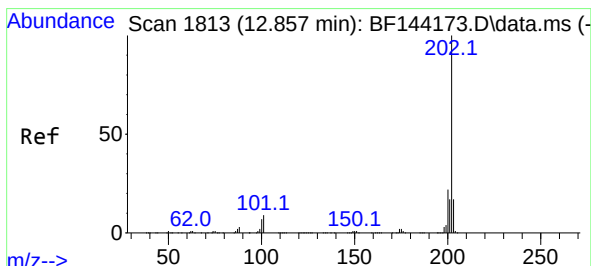
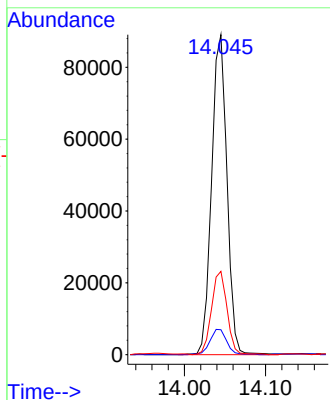
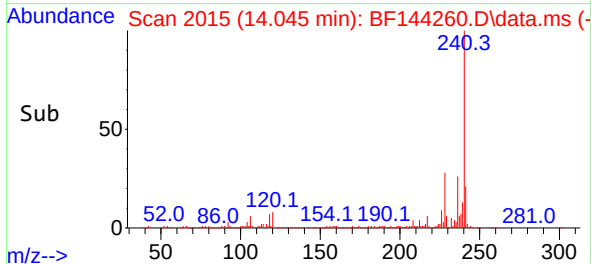
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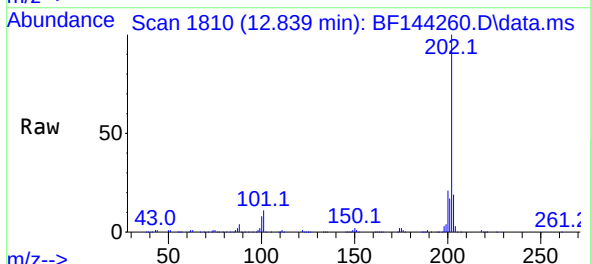
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Ion Ratio Lower Upper
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120 7.8 6.6 10.0
236 26.1 21.4 32.2

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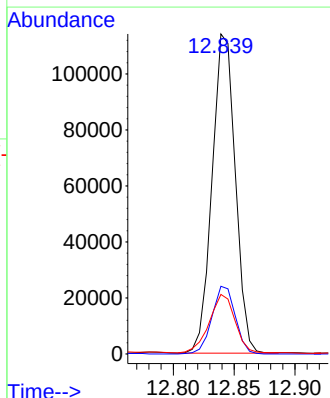
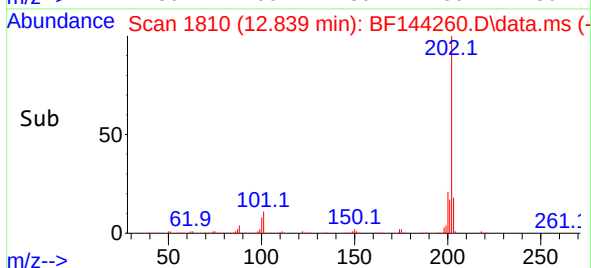
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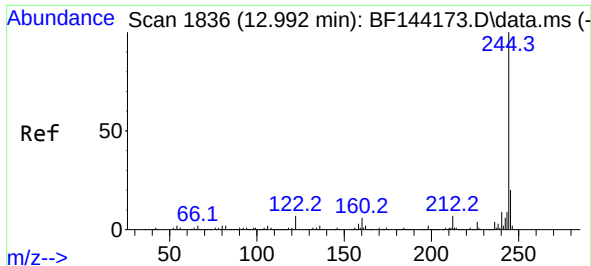


#78
Pyrene
Concen: 16.062 ng
RT: 12.839 min Scan# 1810
Delta R.T. -0.012 min
Lab File: BF144260.D
Acq: 14 Nov 2025 13:45



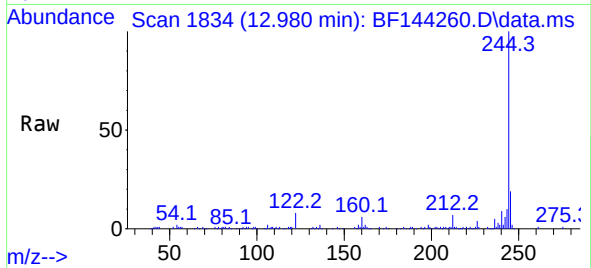
Tgt Ion:202 Resp: 151479
Ion Ratio Lower Upper
202 100
200 21.1 17.2 25.8
203 18.6 13.7 20.5





#79
 Terphenyl-d14
 Concen: 10.655 ng
 RT: 12.980 min Scan# 1834
 Delta R.T. -0.012 min
 Lab File: BF144260.D
 Acq: 14 Nov 2025 13:45

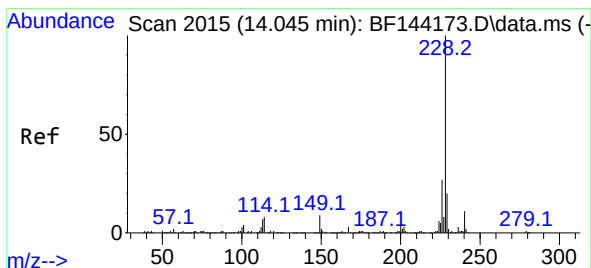
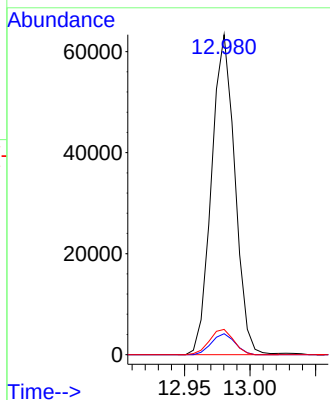
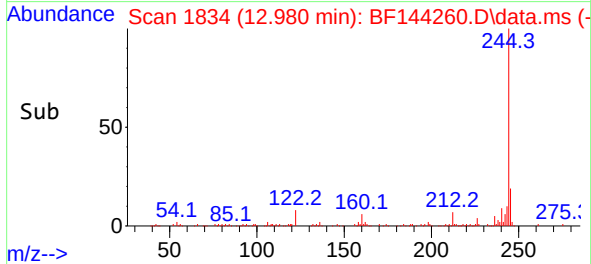
Instrument :
 BNA_F
 ClientSampleId :
 TP-4



Tgt Ion:244 Resp: 78450
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.3 7.9
 122 7.9 5.6 8.4

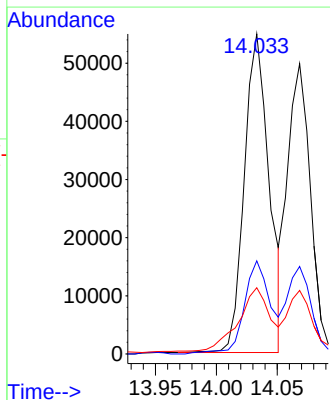
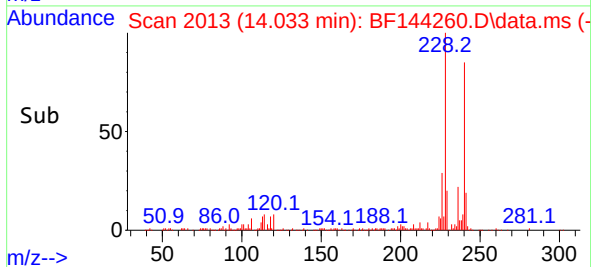
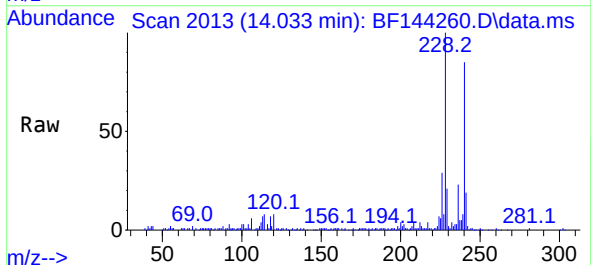
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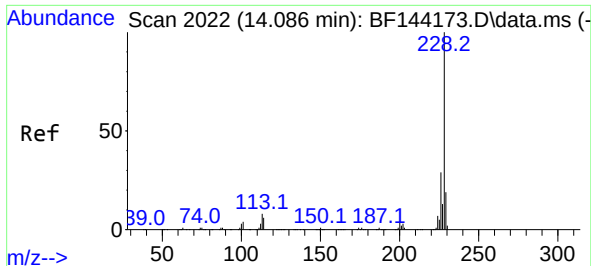
Reviewed By :Jagrut Upadhyay 11/17/2025
 Supervised By :Sohil Jodhani 11/17/2025



#81
 Benzo(a)anthracene
 Concen: 9.597 ng
 RT: 14.033 min Scan# 2013
 Delta R.T. -0.012 min
 Lab File: BF144260.D
 Acq: 14 Nov 2025 13:45

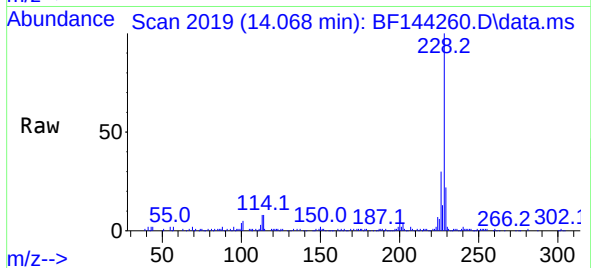
Tgt Ion:228 Resp: 77794
 Ion Ratio Lower Upper
 228 100
 226 29.1 21.8 32.8
 229 20.7 15.8 23.6





#83
Chrysene
Concen: 8.634 ng
RT: 14.068 min Scan# 2022
Delta R.T. -0.012 min
Lab File: BF144260.D
Acq: 14 Nov 2025 13:45

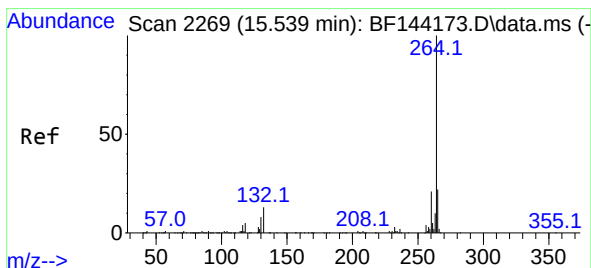
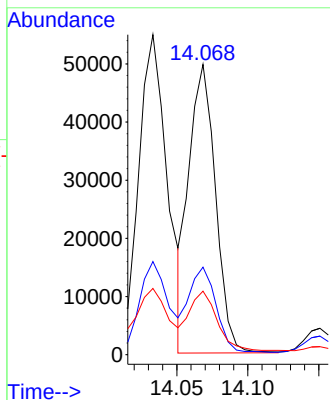
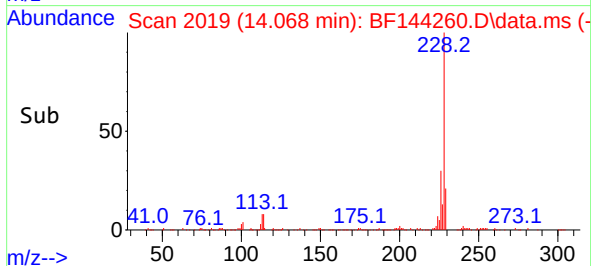
Instrument :
BNA_F
ClientSampleId :
TP-4



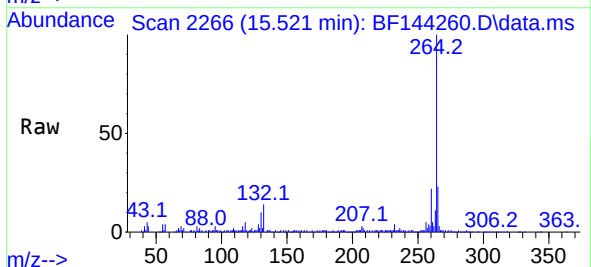
Tgt Ion:228 Resp: 6461
Ion Ratio Lower Upper
228 100
226 30.2 22.9 34.3
229 21.9 15.0 22.6

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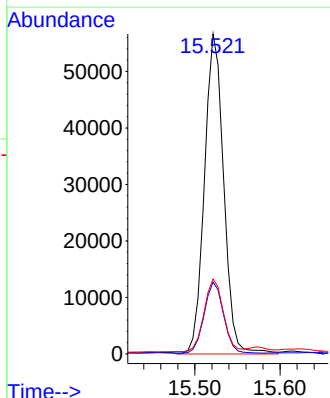
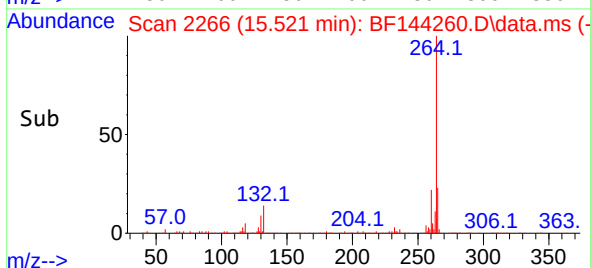
Reviewed By :Jagrut Upadhyay 11/17/2025
Supervised By :Sohil Jodhani 11/17/2025

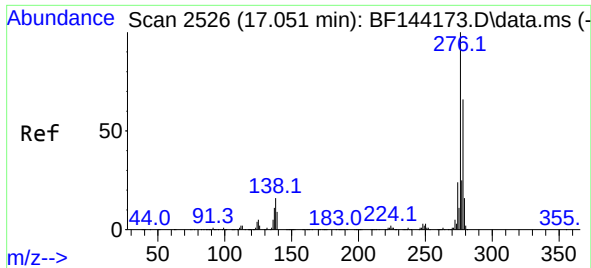


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2266
Delta R.T. -0.018 min
Lab File: BF144260.D
Acq: 14 Nov 2025 13:45



Tgt Ion:264 Resp: 89103
Ion Ratio Lower Upper
264 100
260 22.4 17.1 25.7
265 23.5 17.4 26.0





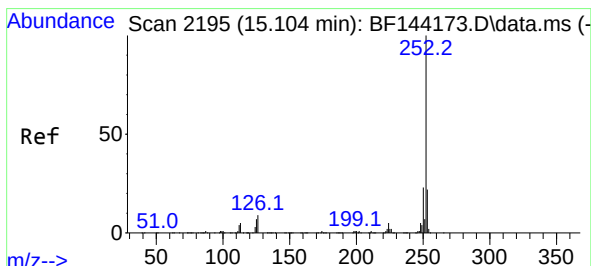
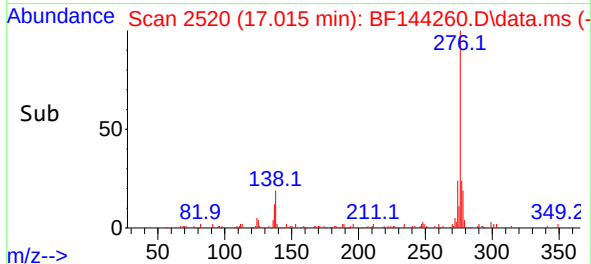
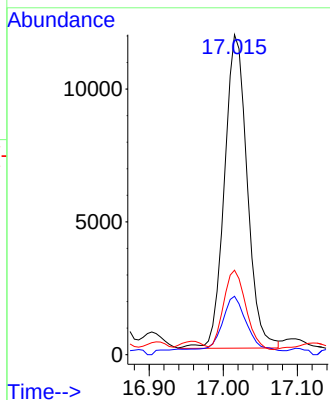
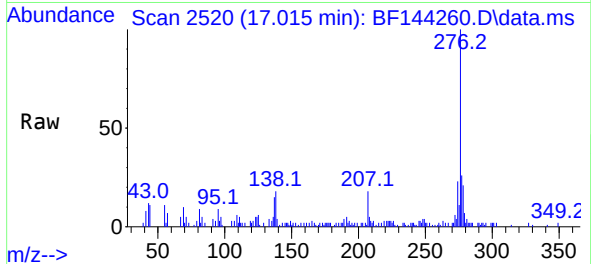
#87
Indeno(1,2,3-cd)pyrene
Concen: 3.937 ng
RT: 17.015 min Scan# 2193
Delta R.T. -0.018 min
Lab File: BF144260.D
Acq: 14 Nov 2025 13:45

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion:276 Resp: 2518
Ion Ratio Lower Upper
276 100
138 19.3 13.9 20.9
277 24.8 19.8 29.6

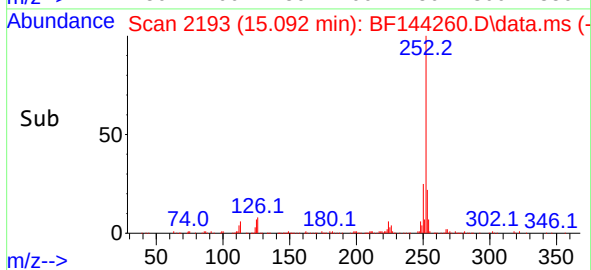
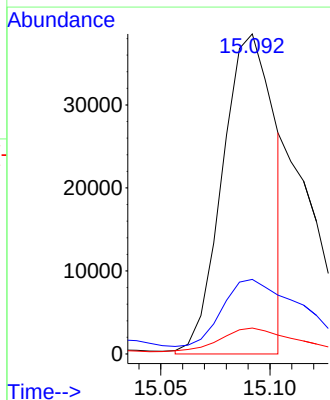
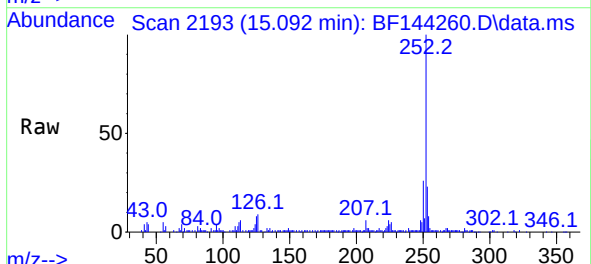
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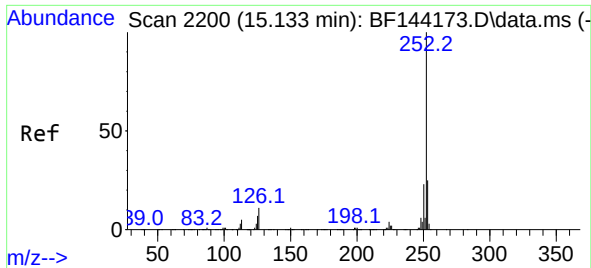
Reviewed By :Jagrut Upadhyay 11/17/2025
Supervised By :Sohil Jodhani 11/17/2025



#88
Benzo(b)fluoranthene
Concen: 12.581 ng m
RT: 15.092 min Scan# 2193
Delta R.T. -0.006 min
Lab File: BF144260.D
Acq: 14 Nov 2025 13:45

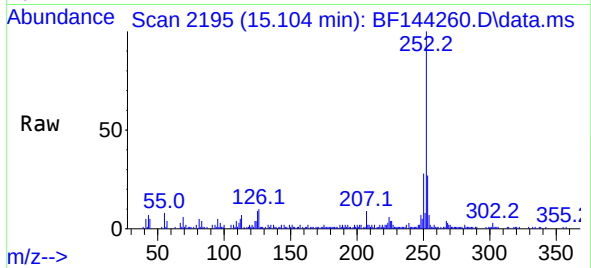
Tgt Ion:252 Resp: 63731
Ion Ratio Lower Upper
252 100
253 23.3 17.4 26.2
125 8.1 5.3 7.9#





#89
Benzo(k)fluoranthene
Concen: 5.728 ng m
RT: 15.104 min Scan# 2195
Delta R.T. -0.024 min
Lab File: BF144260.D
Acq: 14 Nov 2025 13:45

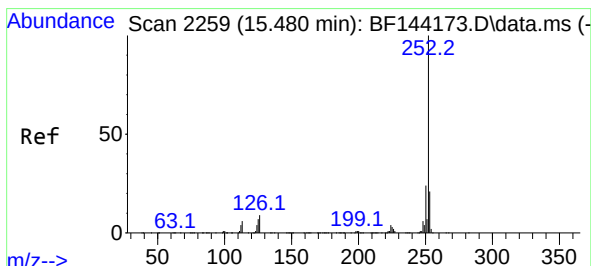
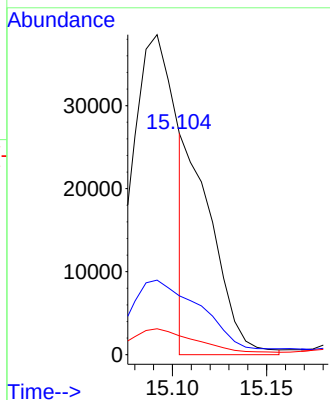
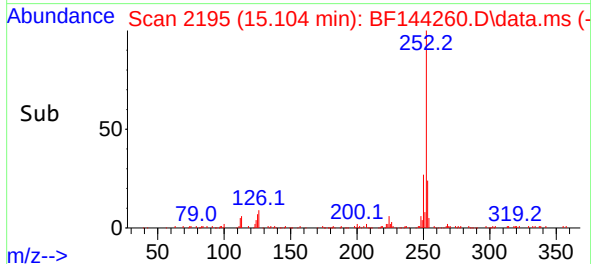
Instrument :
BNA_F
ClientSampleId :
TP-4



Tgt Ion:252 Resp: 2716
Ion Ratio Lower Upper
252 100
253 26.6 18.0 27.0
125 8.5 5.4 8.2

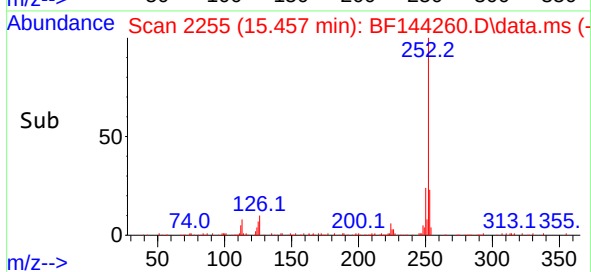
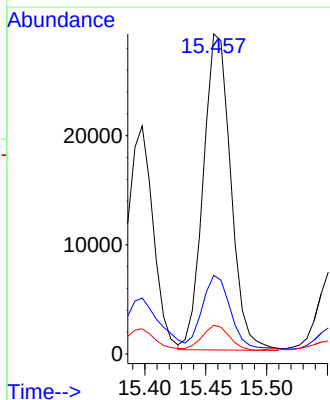
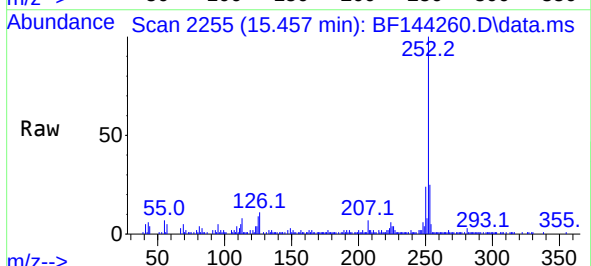
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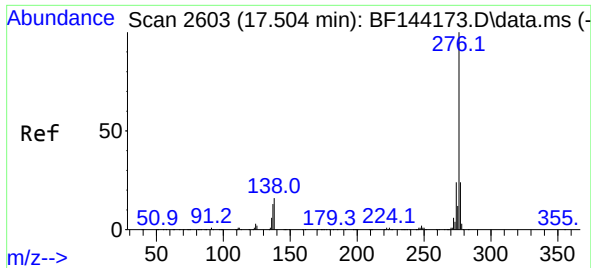
Reviewed By :Jagrut Upadhyay 11/17/2025
Supervised By :Sohil Jodhani 11/17/2025



#90
Benzo(a)pyrene
Concen: 9.758 ng
RT: 15.457 min Scan# 2255
Delta R.T. -0.018 min
Lab File: BF144260.D
Acq: 14 Nov 2025 13:45

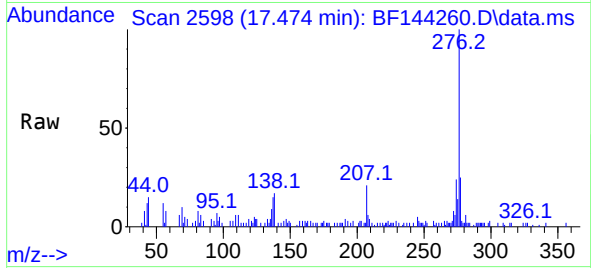
Tgt Ion:252 Resp: 45604
Ion Ratio Lower Upper
252 100
253 24.5 16.7 25.1
125 8.9 5.7 8.5





#92
Benzo(g,h,i)perylene
Concen: 5.195 ng
RT: 17.474 min Scan# 2598
Delta R.T. -0.018 min
Lab File: BF144260.D
Acq: 14 Nov 2025 13:45

Instrument : BNA_F
ClientSampleId : TP-4



Tgt Ion: 276 Resp: 26350
Ion Ratio Lower Upper
276 100
277 25.0 19.0 28.4
138 17.3 12.9 19.3

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

