

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
 Data File : BF144371.D
 Acq On : 26 Nov 2025 20:13
 Operator : RC/JU
 Sample : Q3719-09
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1125-15A

Manual Integrations
 APPROVED

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

Quant Time: Nov 27 00:52:07 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	55771	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	208342	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	106207	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	155107	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	141509	20.000	ng	-0.01
86) Perylene-d12	15.521	264	167558	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	260191	73.007	ng	0.00
7) Phenol-d6	6.492	99	295569	73.193	ng	0.00
23) Nitrobenzene-d5	7.422	82	179213	49.680	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	77179	57.909	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	349793	48.643	ng	-0.01
79) Terphenyl-d14	12.980	244	294101	33.012	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.416	178	36002	4.662	ng	98
75) Fluoranthene	12.610	202	56236	7.049	ng	98
78) Pyrene	12.839	202	51777	4.538	ng	98
81) Benzo(a)anthracene	14.027	228	36329	3.704	ng #	93
83) Chrysene	14.062	228	32683	3.610	ng #	93
84) Bis(2-ethylhexyl)phtha...	14.010	149	11769	2.174	ng	100
88) Benzo(b)fluoranthene	15.086	252	48665m	5.109	ng	
89) Benzo(k)fluoranthene	15.104	252	17973m	2.016	ng	
90) Benzo(a)pyrene	15.457	252	30358	3.454	ng #	97

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

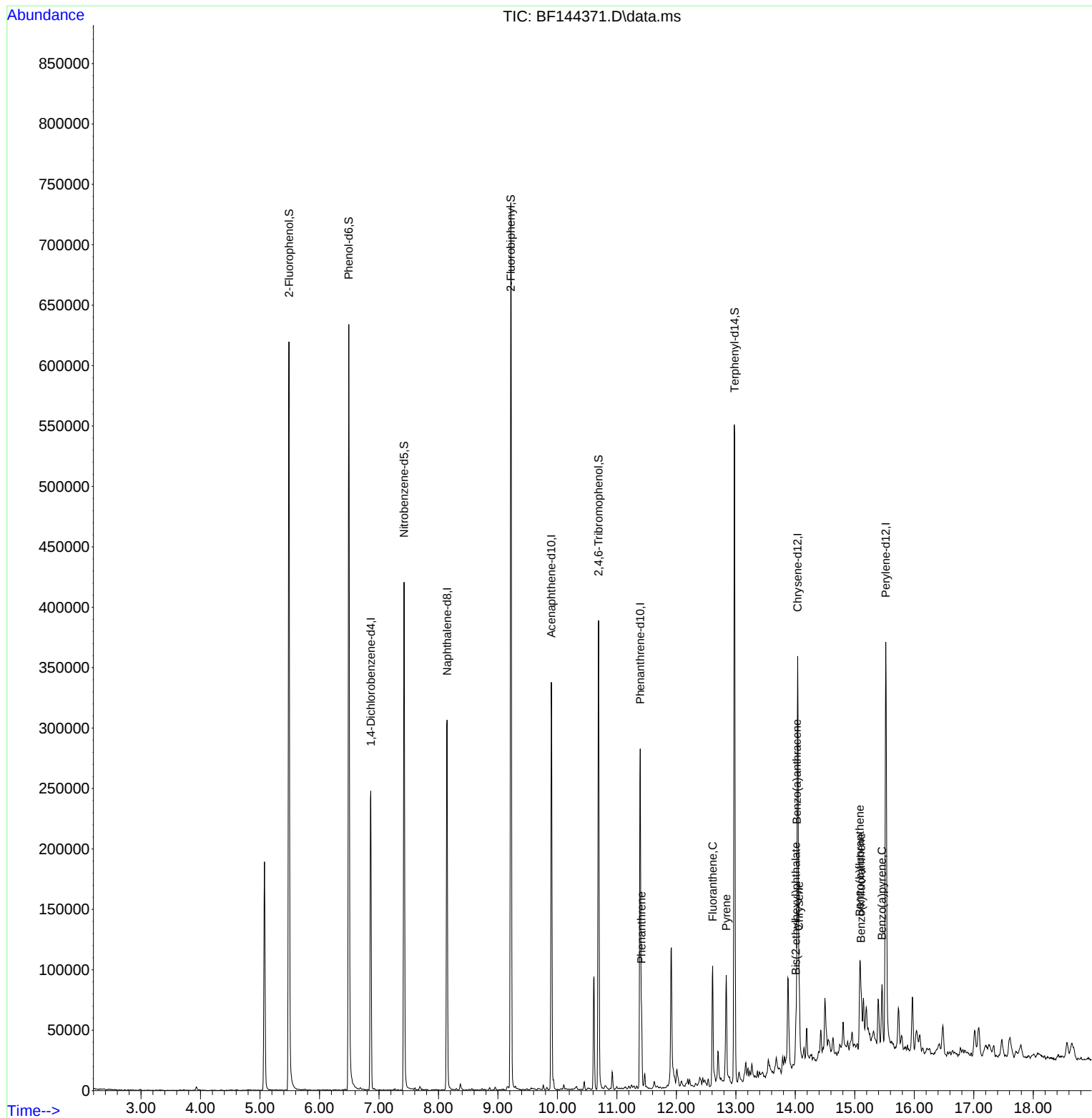
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144371.D
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF144371.D
Acq: 26 Nov 2025 20:13

Instrument :

BNA_F

ClientSampleId :

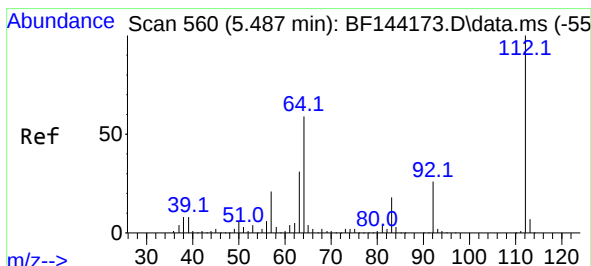
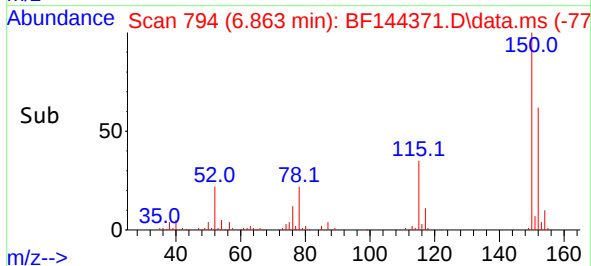
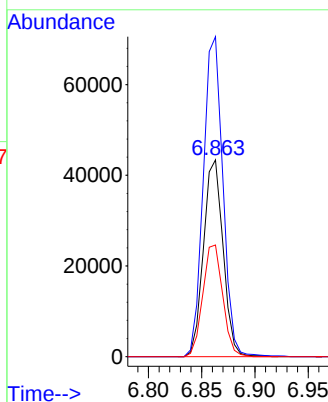
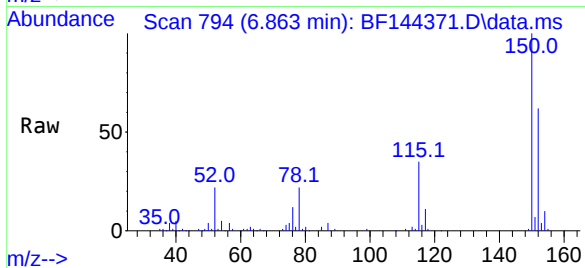
SB-1125-15A

Tgt Ion:152 Resp: 5577
Ion Ratio Lower Upper
152 100
150 162.6 127.4 191.0
115 56.7 49.5 74.3

Manual Integrations

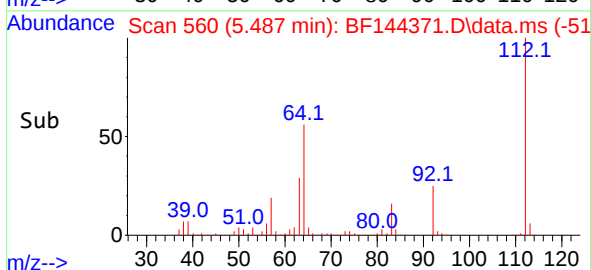
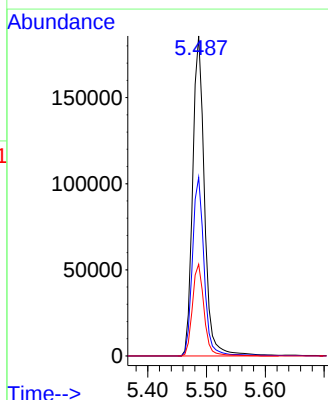
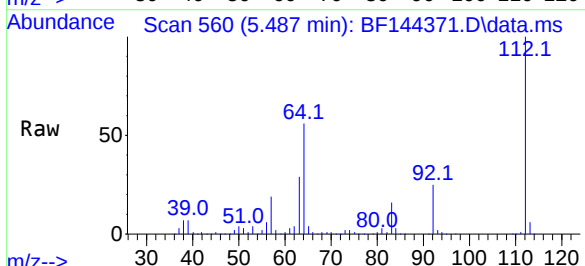
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#5
2-Fluorophenol
Concen: 73.007 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.006 min
Lab File: BF144371.D
Acq: 26 Nov 2025 20:13

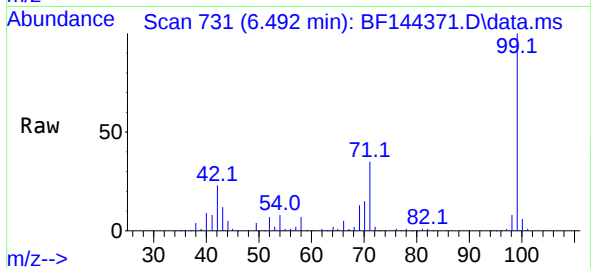
Tgt Ion:112 Resp: 260191
Ion Ratio Lower Upper
112 100
64 55.8 47.2 70.8
63 28.7 24.4 36.6





#7
Phenol-d6
Concen: 73.193 ng
RT: 6.492 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF144371.D
Acq: 26 Nov 2025 20:13

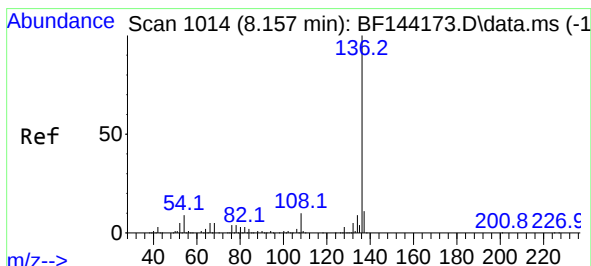
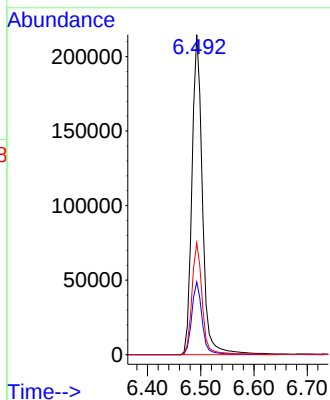
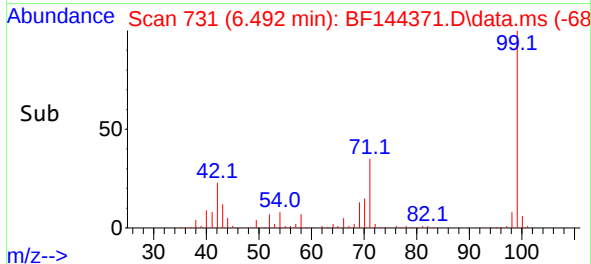
Instrument :
BNA_F
ClientSampleId :
SB-1125-15A



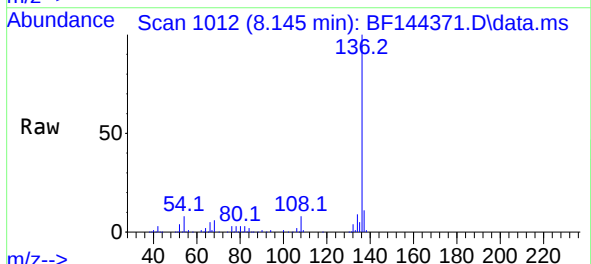
Tgt Ion: 99 Resp: 295569
Ion Ratio Lower Upper
99 100
42 22.7 20.9 31.3
71 35.0 31.4 47.2

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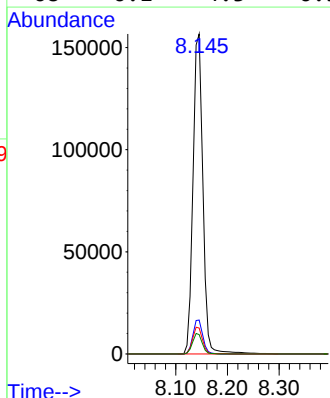
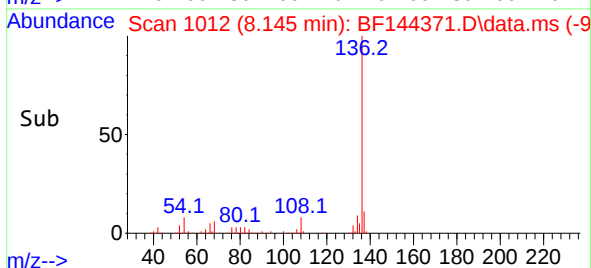
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

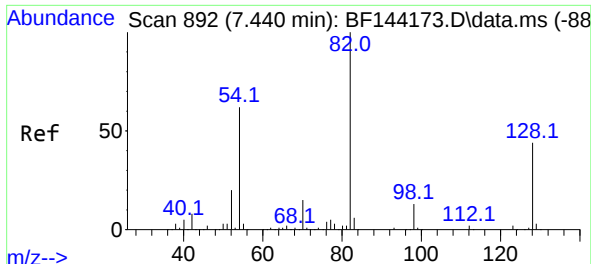


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF144371.D
Acq: 26 Nov 2025 20:13



Tgt Ion:136 Resp: 208342
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 8.1 7.0 10.6
68 6.1 4.3 6.5





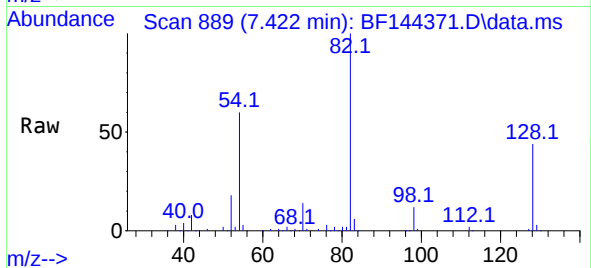
#23
Nitrobenzene-d5
Concen: 49.680 ng
RT: 7.422 min Scan# 892
Delta R.T. -0.012 min
Lab File: BF144371.D
Acq: 26 Nov 2025 20:13

Instrument :

BNA_F

ClientSampleId :

SB-1125-15A

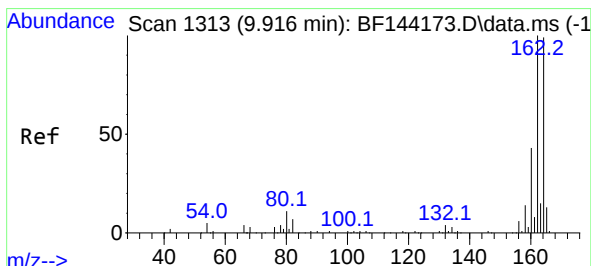
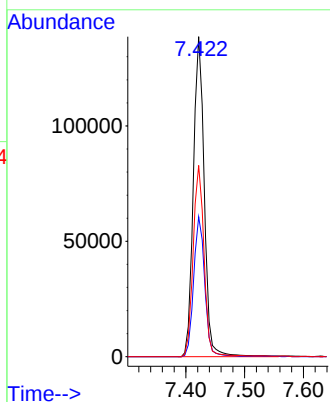
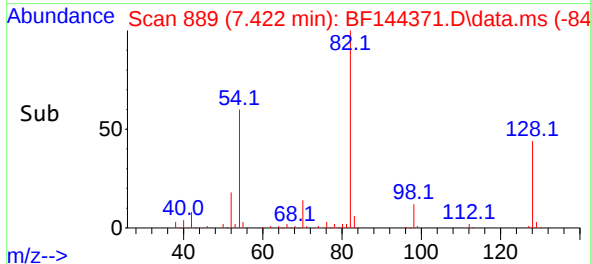


Tgt Ion: 82 Resp: 179211
Ion Ratio Lower Upper
82 100
128 43.7 34.7 52.1
54 59.7 49.5 74.3

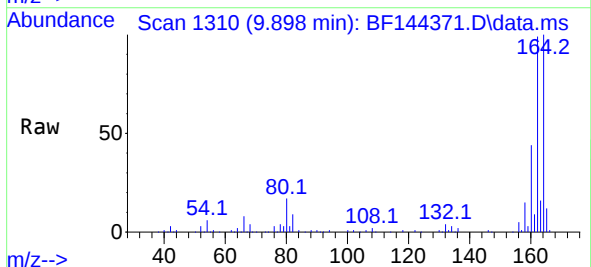
Manual Integrations

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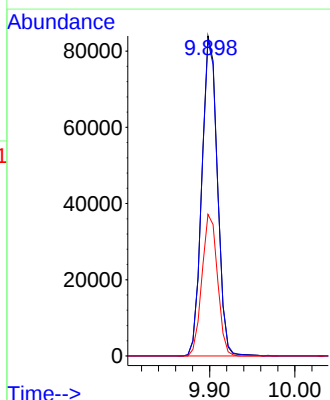
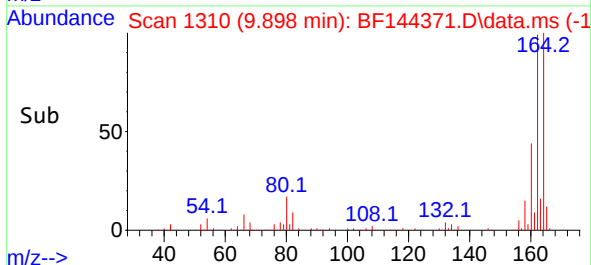
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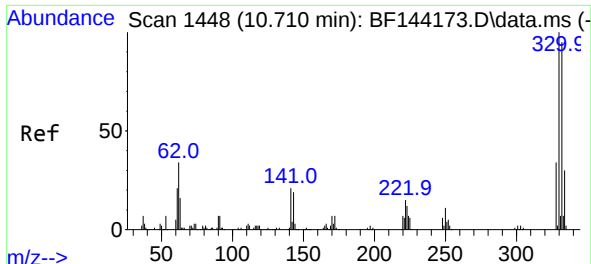


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1310
Delta R.T. -0.018 min
Lab File: BF144371.D
Acq: 26 Nov 2025 20:13



Tgt Ion:164 Resp: 106207
Ion Ratio Lower Upper
164 100
162 98.7 81.1 121.7
160 44.3 34.5 51.7





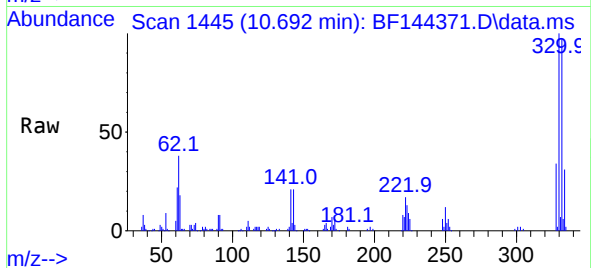
#42
2,4,6-Tribromophenol
Concen: 57.909 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF144371.D
Acq: 26 Nov 2025 20:13

Instrument :

BNA_F

ClientSampleId :

SB-1125-15A

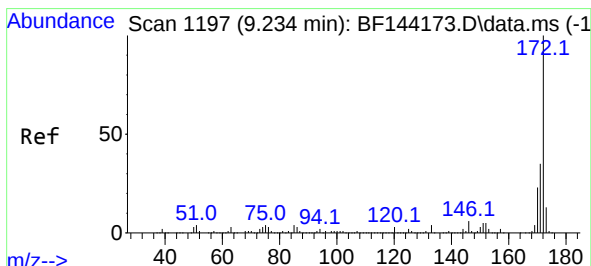
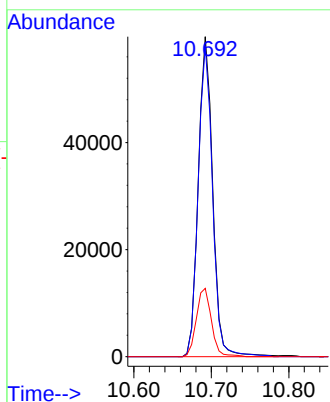
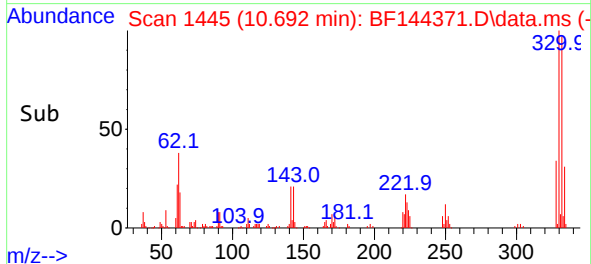


Tgt Ion:330 Resp: 77179
Ion Ratio Lower Upper
330 100
332 96.9 76.7 115.1
141 22.3 17.8 26.8

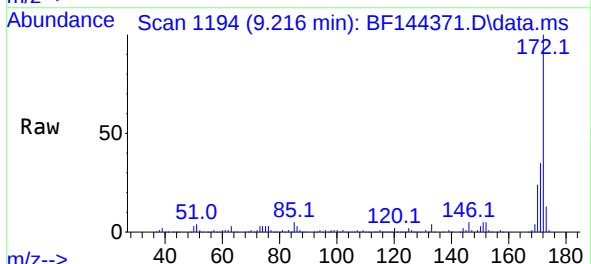
Manual Integrations

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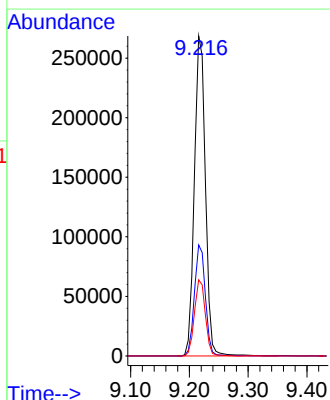
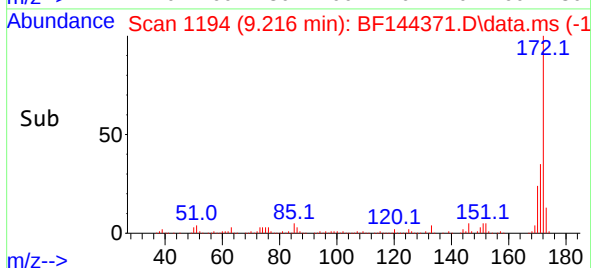
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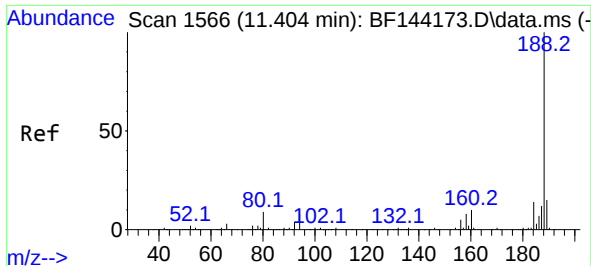


#45
2-Fluorobiphenyl
Concen: 48.643 ng
RT: 9.216 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF144371.D
Acq: 26 Nov 2025 20:13



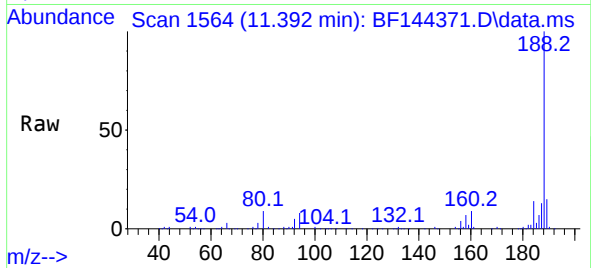
Tgt Ion:172 Resp: 349793
Ion Ratio Lower Upper
172 100
171 34.7 28.1 42.1
170 23.8 18.6 28.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1566
Delta R.T. -0.012 min
Lab File: BF144371.D
Acq: 26 Nov 2025 20:13

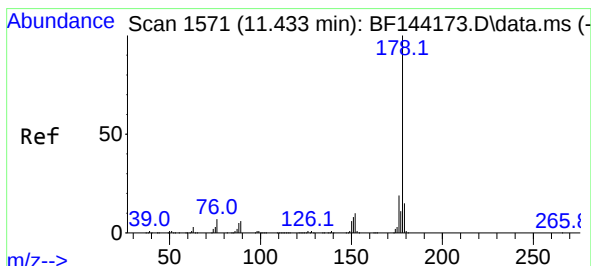
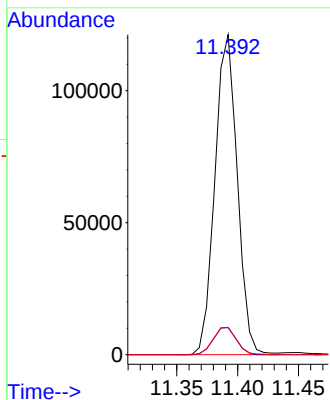
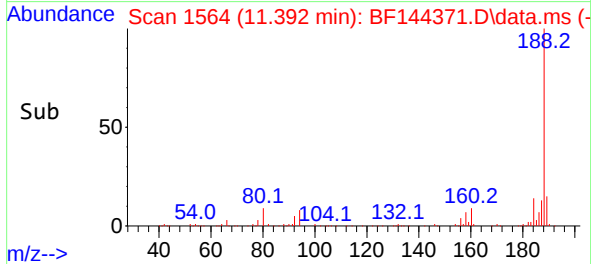
Instrument :
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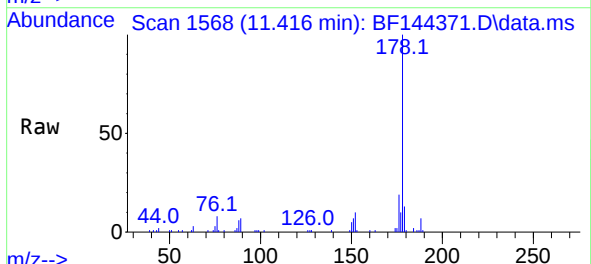
Tgt Ion:188 Resp: 15510
Ion Ratio Lower Upper
188 100
94 8.5 6.2 9.2
80 8.5 6.9 10.3

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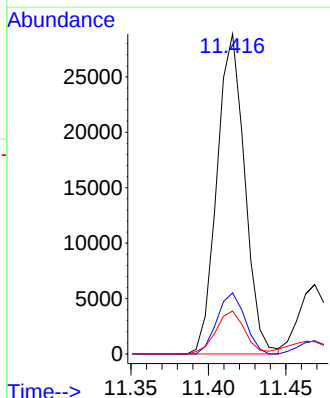
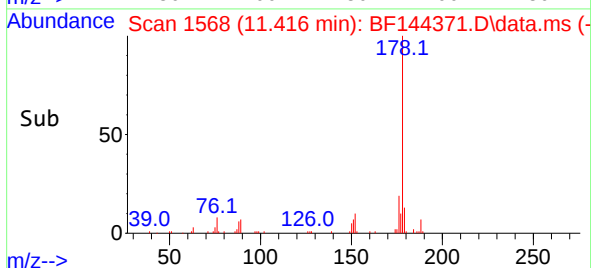
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

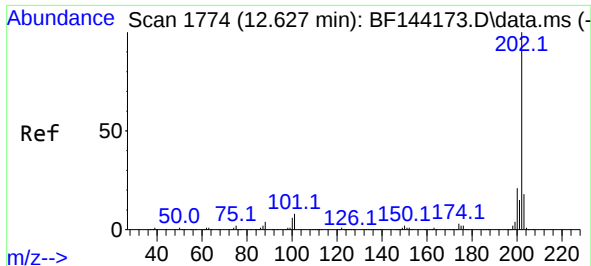


#71
Phenanthrene
Concen: 4.662 ng
RT: 11.416 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF144371.D
Acq: 26 Nov 2025 20:13



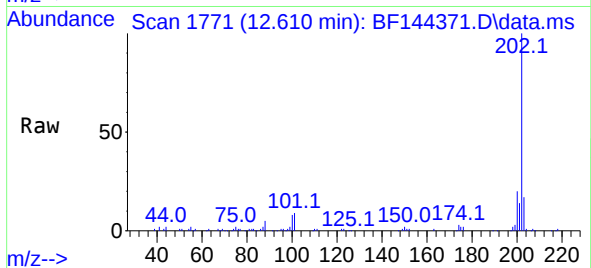
Tgt Ion:178 Resp: 36002
Ion Ratio Lower Upper
178 100
176 19.1 15.5 23.3
179 13.4 12.2 18.4





#75
Fluoranthene
Concen: 7.049 ng
RT: 12.610 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144371.D
Acq: 26 Nov 2025 20:13

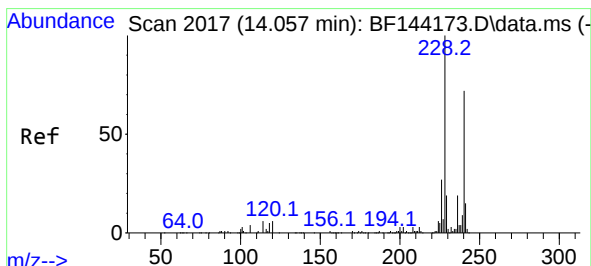
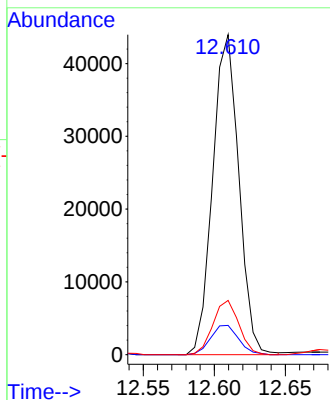
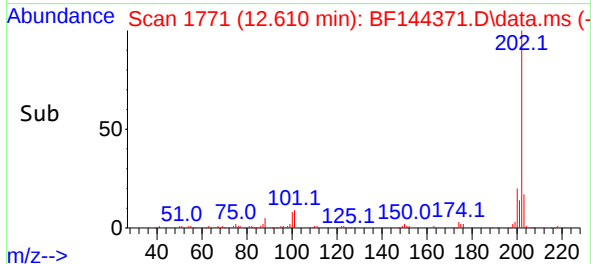
Instrument :
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SB-1125-15A



Tgt Ion:202 Resp: 56230
Ion Ratio Lower Upper
202 100
101 9.1 0.0 27.9
203 16.9 0.0 37.5

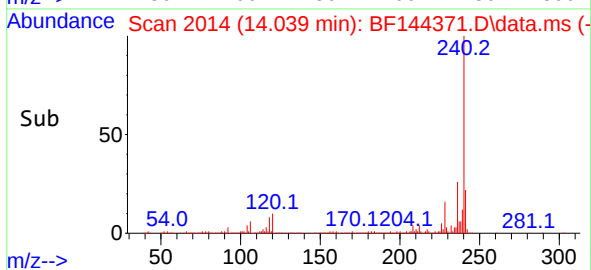
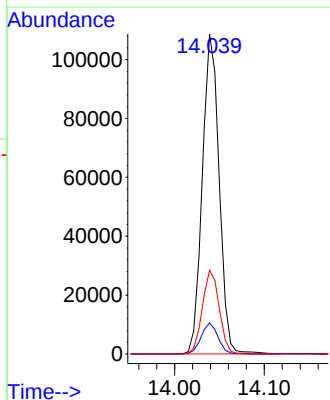
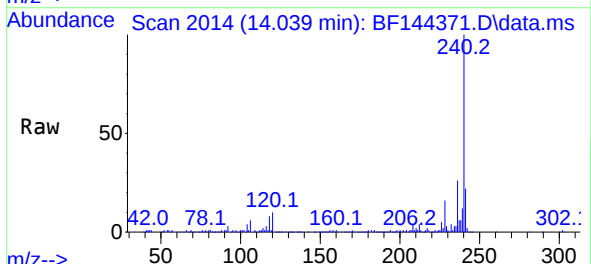
Manual Integrations
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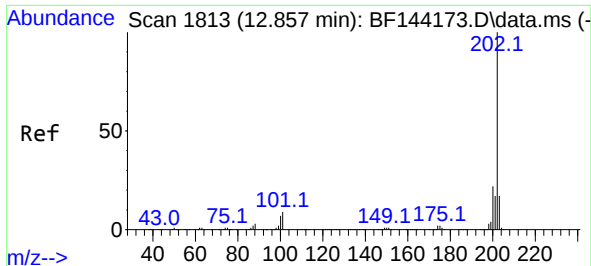
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF144371.D
Acq: 26 Nov 2025 20:13

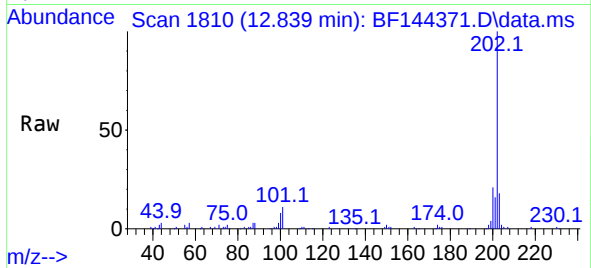
Tgt Ion:240 Resp: 141509
Ion Ratio Lower Upper
240 100
120 9.7 6.6 10.0
236 26.1 21.4 32.2





#78
Pyrene
Concen: 4.538 ng
RT: 12.839 min Scan# 1810
Delta R.T. -0.012 min
Lab File: BF144371.D
Acq: 26 Nov 2025 20:13

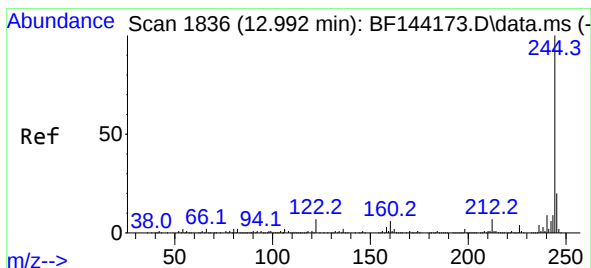
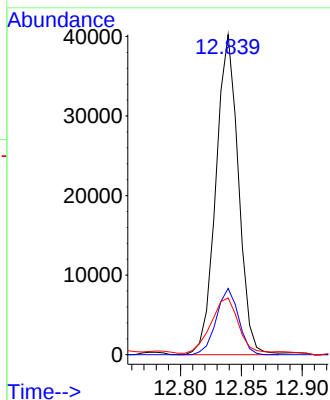
Instrument :
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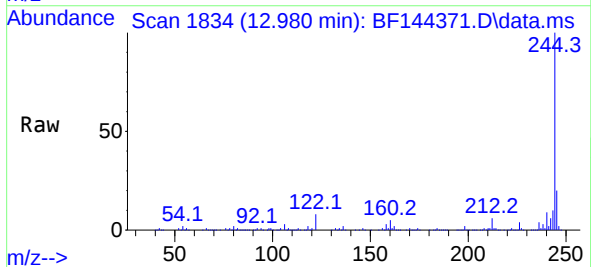
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Ion Ratio Lower Upper
202 100
200 20.7 17.2 25.8
203 17.7 13.7 20.5

Manual Integrations
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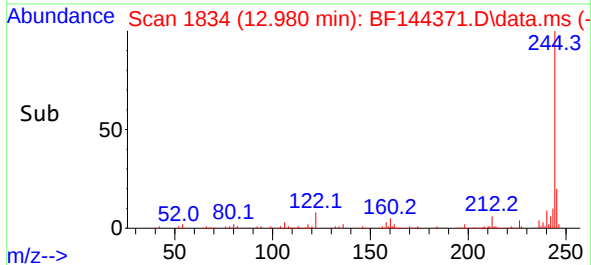
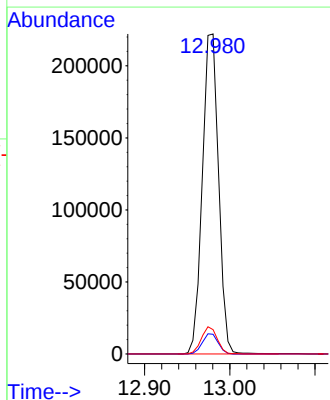
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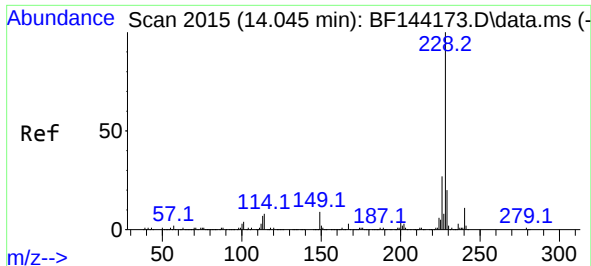


#79
Terphenyl-d14
Concen: 33.012 ng
RT: 12.980 min Scan# 1834
Delta R.T. -0.012 min
Lab File: BF144371.D
Acq: 26 Nov 2025 20:13



Tgt Ion:244 Resp: 294101
Ion Ratio Lower Upper
244 100
212 6.2 5.3 7.9
122 7.6 5.6 8.4





#81
Benzo(a)anthracene
Concen: 3.704 ng
RT: 14.027 min Scan# 2012
Delta R.T. -0.018 min
Lab File: BF144371.D
Acq: 26 Nov 2025 20:13

Instrument :

BNA_F

ClientSampleId :

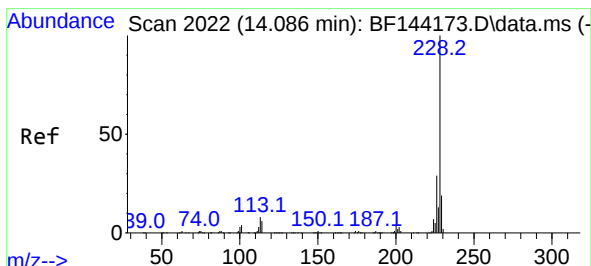
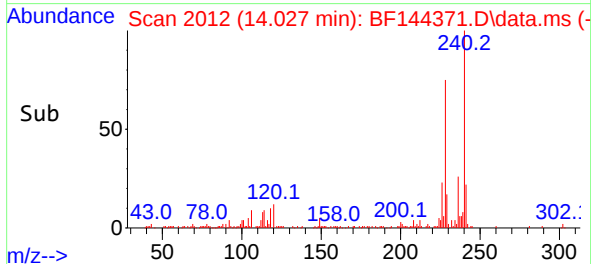
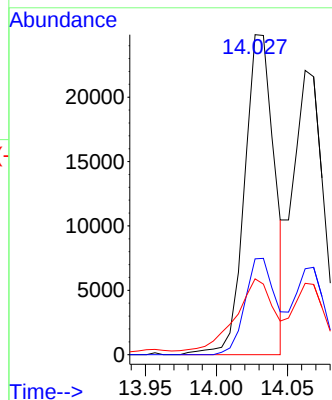
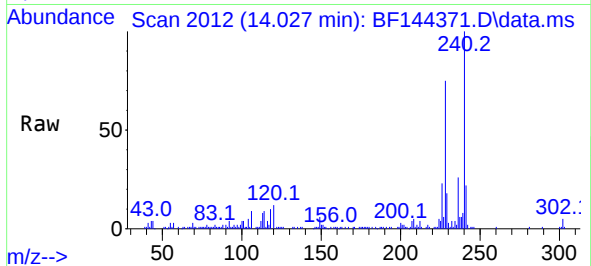
SB-1125-15A

Tgt Ion:228 Resp: 36329
Ion Ratio Lower Upper
228 100
226 30.0 21.8 32.8
229 23.7 15.8 23.6

Manual Integrations

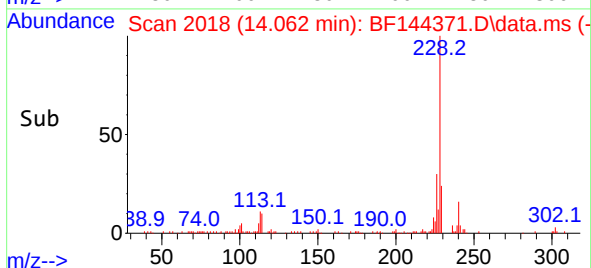
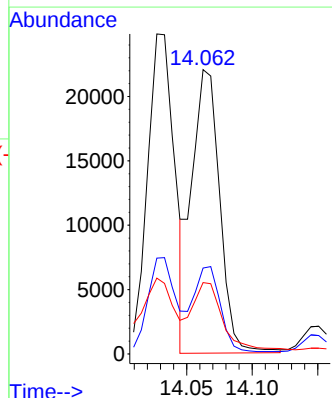
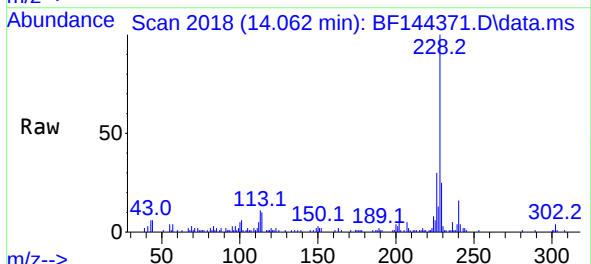
APPROVED

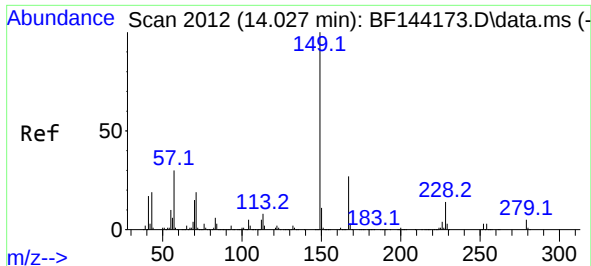
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#83
Chrysene
Concen: 3.610 ng
RT: 14.062 min Scan# 2018
Delta R.T. -0.018 min
Lab File: BF144371.D
Acq: 26 Nov 2025 20:13

Tgt Ion:228 Resp: 32683
Ion Ratio Lower Upper
228 100
226 30.2 22.9 34.3
229 25.1 15.0 22.6





#84
Bis(2-ethylhexyl)phthalate
Concen: 2.174 ng
RT: 14.010 min Scan# 2012
Delta R.T. -0.018 min
Lab File: BF144371.D
Acq: 26 Nov 2025 20:13

Instrument :

BNA_F

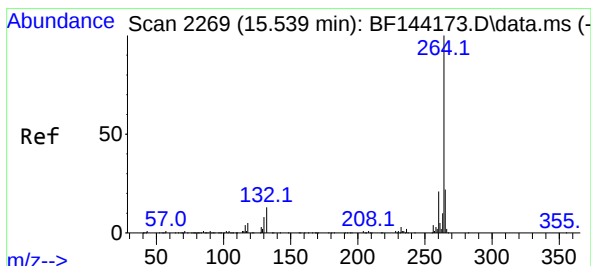
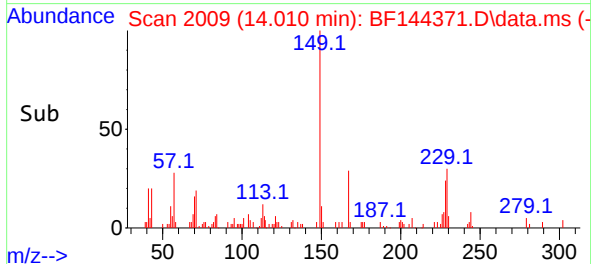
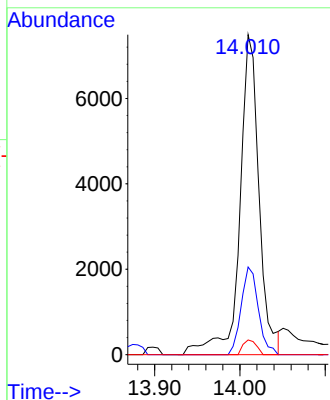
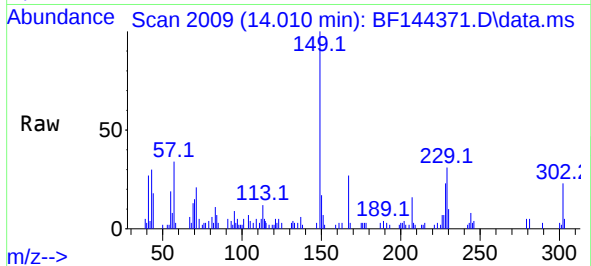
ClientSampleId :

SB-1125-15A

Tgt Ion:149 Resp: 11769
Ion Ratio Lower Upper
149 100
167 27.4 21.8 32.8
279 4.6 3.7 5.5

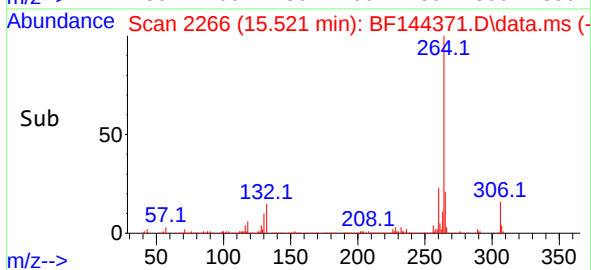
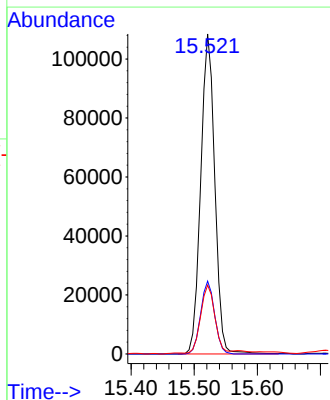
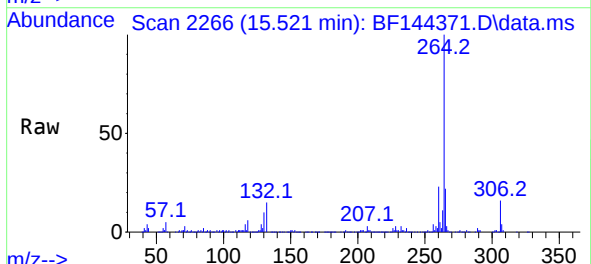
Manual Integrations
APPROVED

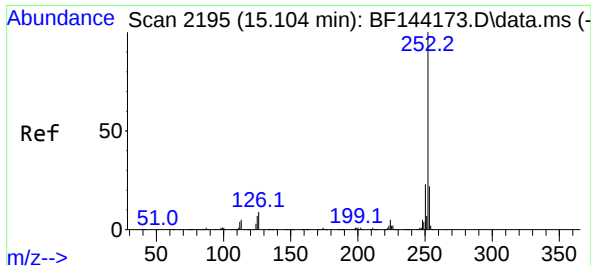
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2266
Delta R.T. -0.018 min
Lab File: BF144371.D
Acq: 26 Nov 2025 20:13

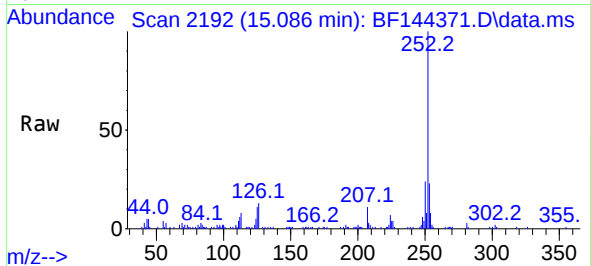
Tgt Ion:264 Resp: 167558
Ion Ratio Lower Upper
264 100
260 22.7 17.1 25.7
265 21.5 17.4 26.0





#88
Benzo(b)fluoranthene
Concen: 5.109 ng m
RT: 15.086 min Scan# 2195
Delta R.T. -0.012 min
Lab File: BF144371.D
Acq: 26 Nov 2025 20:13

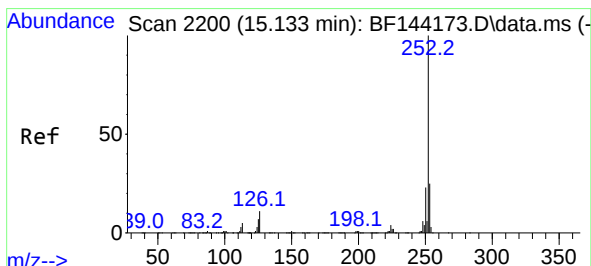
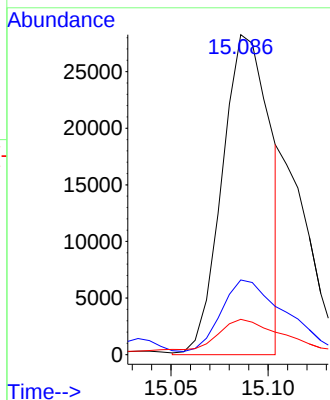
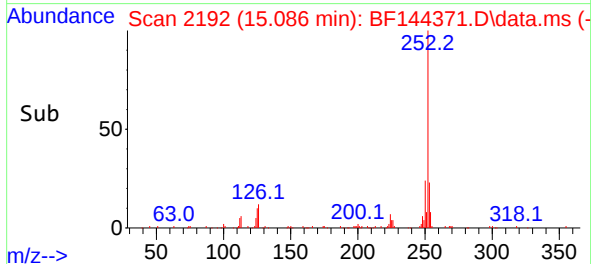
Instrument :
BNA_F
ClientSampleId :
SB-1125-15A



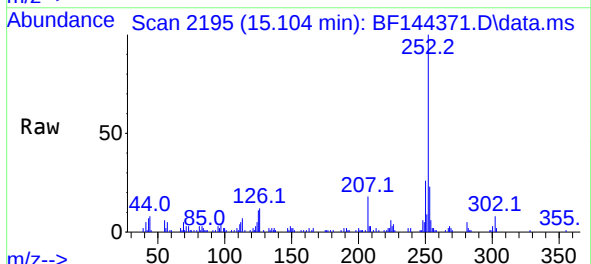
Tgt Ion:252 Resp: 4866
Ion Ratio Lower Upper
252 100
253 23.3 17.4 26.2
125 11.0 5.3 7.9

Manual Integrations
APPROVED

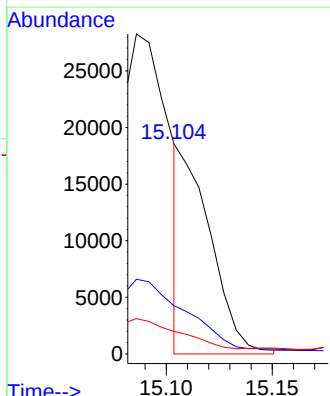
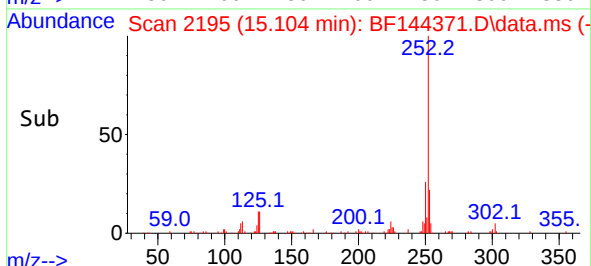
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

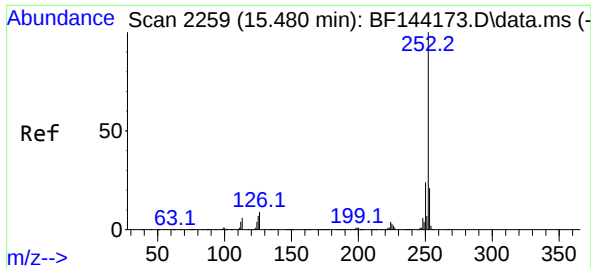


#89
Benzo(k)fluoranthene
Concen: 2.016 ng m
RT: 15.104 min Scan# 2195
Delta R.T. -0.024 min
Lab File: BF144371.D
Acq: 26 Nov 2025 20:13



Tgt Ion:252 Resp: 17973
Ion Ratio Lower Upper
252 100
253 23.0 18.0 27.0
125 10.7 5.4 8.2





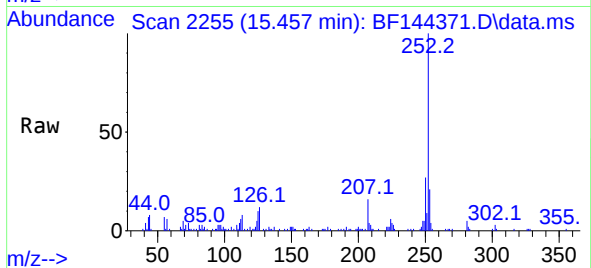
#90
Benzo(a)pyrene
Concen: 3.454 ng
RT: 15.457 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF144371.D
Acq: 26 Nov 2025 20:13

Instrument :

BNA_F

ClientSampleId :

SB-1125-15A



Tgt Ion:252 Resp: 30358
Ion Ratio Lower Upper
252 100
253 21.4 16.7 25.1
125 10.0 5.7 8.5

Manual Integrations

APPROVED

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

