

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112425\
 Data File : BF144337.D
 Acq On : 24 Nov 2025 21:44
 Operator : RC/JU
 Sample : Q3709-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LI-1-112125

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 11/25/2025
 Supervised By :mohammad ahmed 11/26/2025

Quant Time: Nov 25 00:30:02 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	55239	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	200004	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	96995	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	152346	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	154441	20.000	ng	-0.01
86) Perylene-d12	15.515	264	190380	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	254963	72.229	ng	-0.01
7) Phenol-d6	6.493	99	284564	71.146	ng	0.00
23) Nitrobenzene-d5	7.422	82	168818	48.749	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	71095	58.410	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	317953	48.414	ng	-0.01
79) Terphenyl-d14	12.974	244	292862	30.120	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	11.416	178	30417	4.010	ng	99
75) Fluoranthene	12.610	202	108683	13.871	ng	97
78) Pyrene	12.839	202	101209	8.128	ng	99
81) Benzo(a)anthracene	14.027	228	66003	6.166	ng	99
83) Chrysene	14.063	228	71068m	7.192	ng	
84) Bis(2-ethylhexyl)phtha...	14.010	149	15558	2.633	ng	98
87) Indeno(1,2,3-cd)pyrene	17.009	276	36134	2.644	ng	# 92
88) Benzo(b)fluoranthene	15.086	252	134643m	12.440	ng	
89) Benzo(k)fluoranthene	15.110	252	20613m	2.035	ng	
90) Benzo(a)pyrene	15.457	252	72932	7.304	ng	# 94
92) Benzo(g,h,i)perylene	17.462	276	34903	3.220	ng	# 94

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

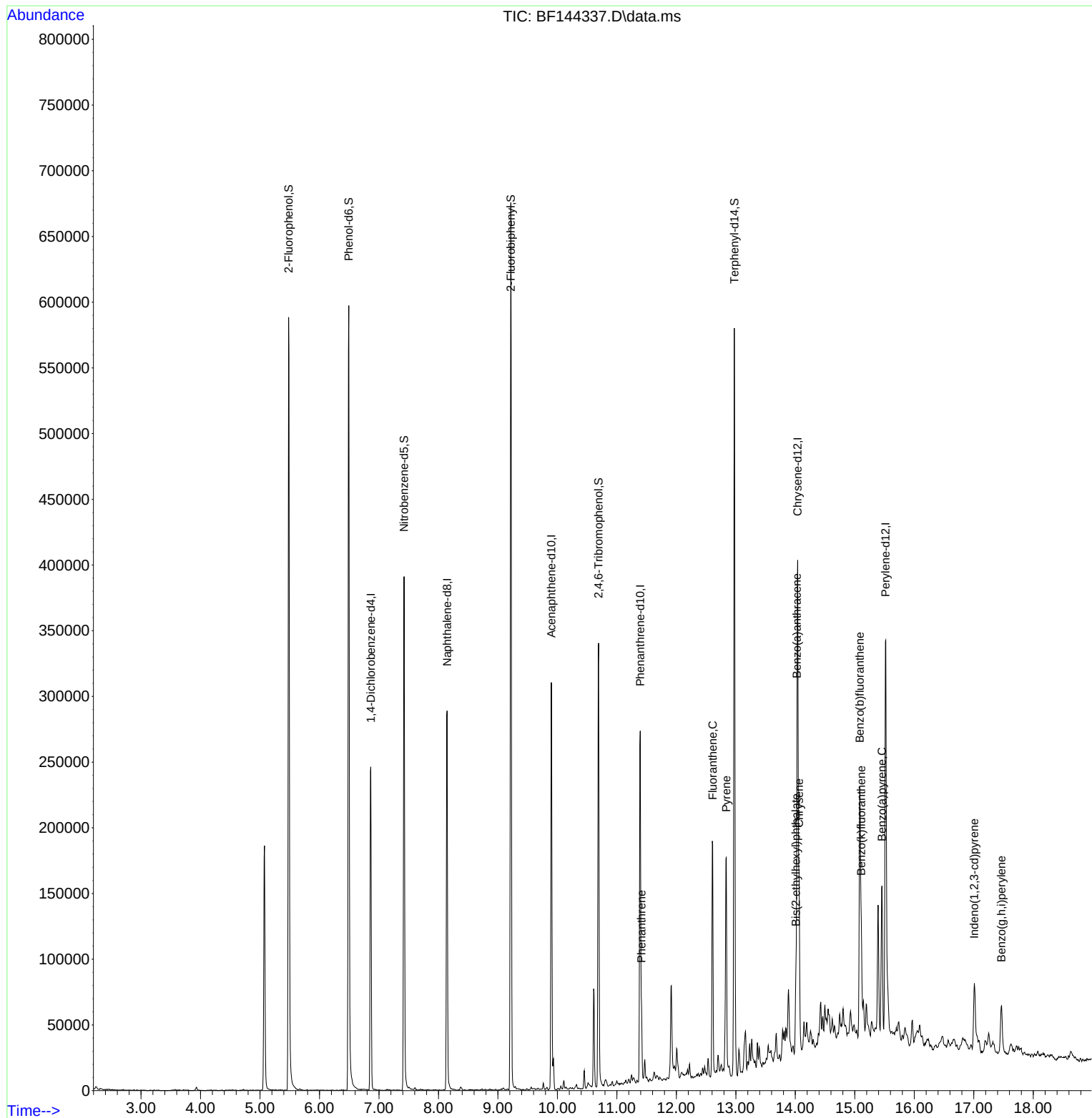
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112425\
Data File : BF144337.D
Acq On : 24 Nov 2025 21:44
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Sample : Q3709-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

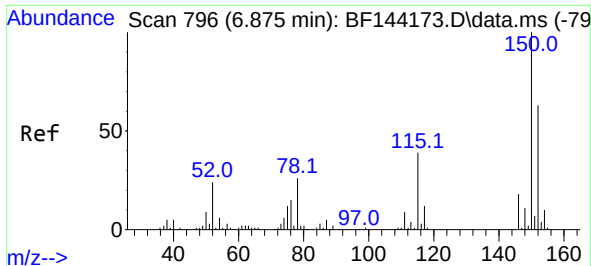
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
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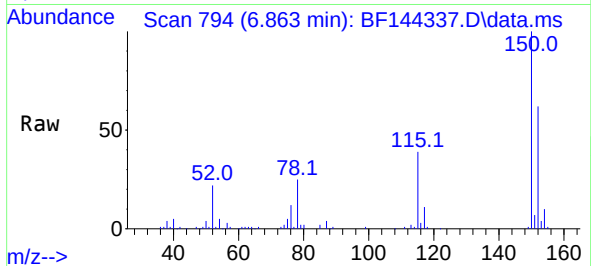
Reviewed By :Jagrut Upadhyay 11/25/2025
Supervised By :mohammad ahmed 11/26/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 794
Delta R.T. -0.012 min
Lab File: BF144337.D
Acq: 24 Nov 2025 21:44

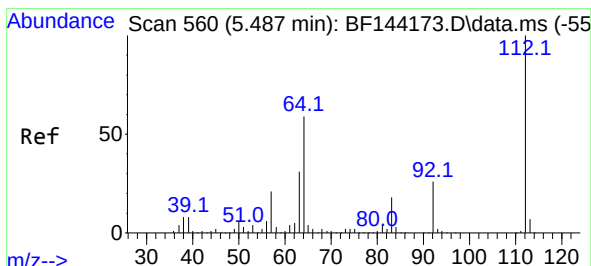
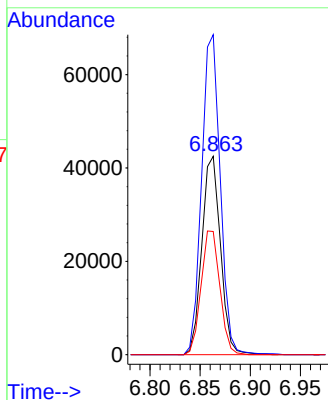
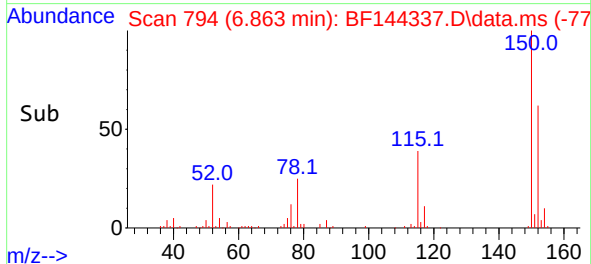
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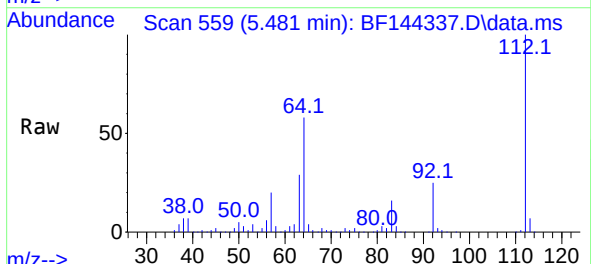
Tgt Ion:152 Resp: 55239
Ion Ratio Lower Upper
152 100
150 161.3 127.4 191.0
115 62.1 49.5 74.3

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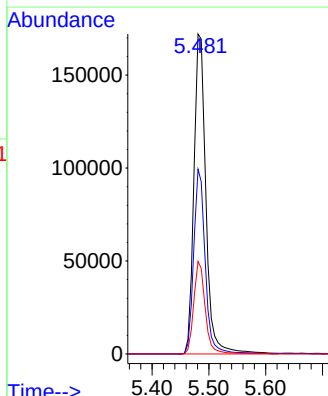
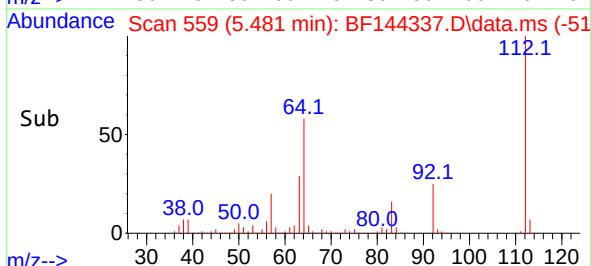
Reviewed By :Jagrut Upadhyay 11/25/2025
Supervised By :mohammad ahmed 11/26/2025

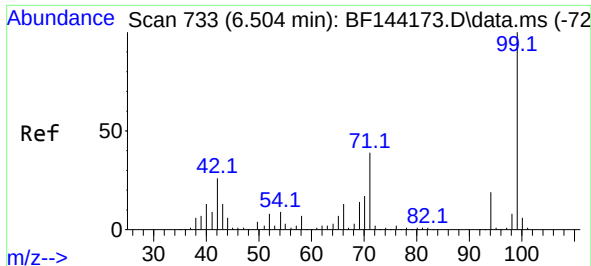


#5
2-Fluorophenol
Concen: 72.229 ng
RT: 5.481 min Scan# 559
Delta R.T. -0.012 min
Lab File: BF144337.D
Acq: 24 Nov 2025 21:44



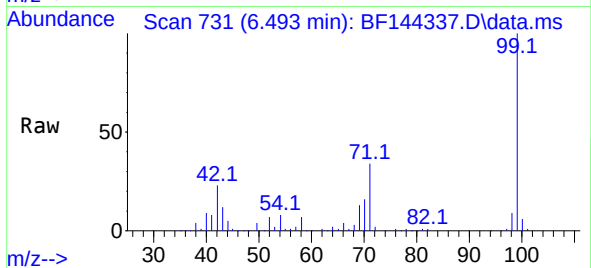
Tgt Ion:112 Resp: 254963
Ion Ratio Lower Upper
112 100
64 57.7 47.2 70.8
63 28.9 24.4 36.6





#7
Phenol-d6
Concen: 71.146 ng
RT: 6.493 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF144337.D
Acq: 24 Nov 2025 21:44

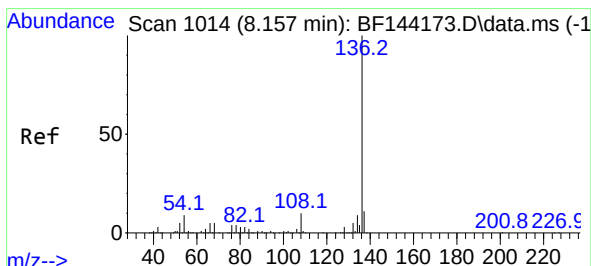
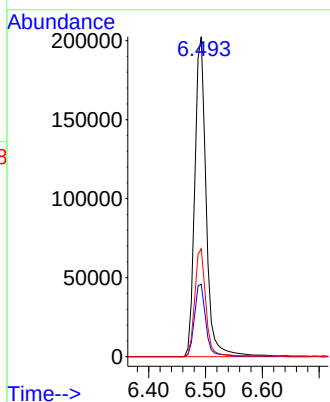
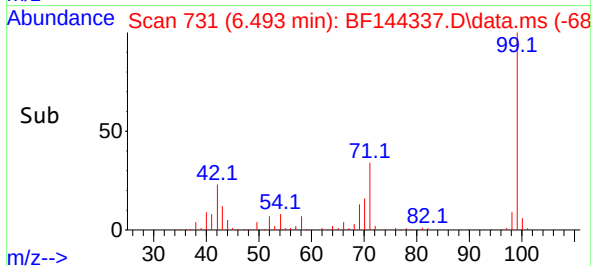
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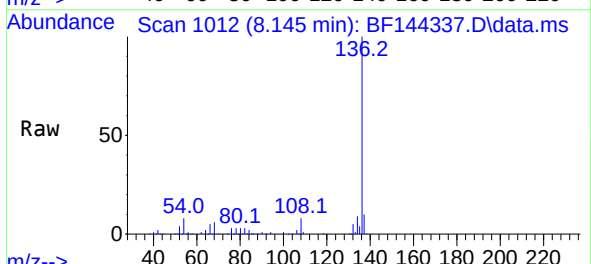
Tgt Ion: 99 Resp: 284564
Ion Ratio Lower Upper
99 100
42 22.6 20.9 31.3
71 33.8 31.4 47.2

Manual Integrations
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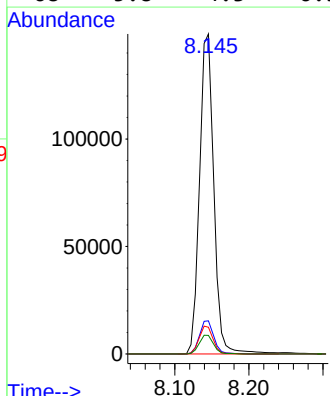
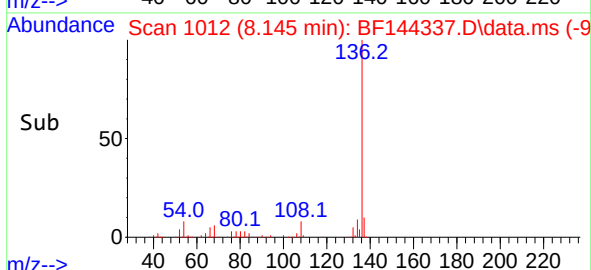
Reviewed By :Jagrut Upadhyay 11/25/2025
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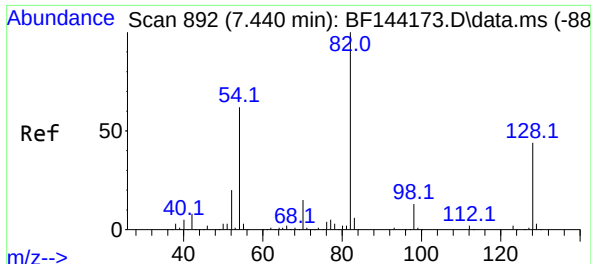


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF144337.D
Acq: 24 Nov 2025 21:44



Tgt Ion:136 Resp: 200004
Ion Ratio Lower Upper
136 100
137 10.3 8.6 13.0
54 8.4 7.0 10.6
68 5.8 4.3 6.5





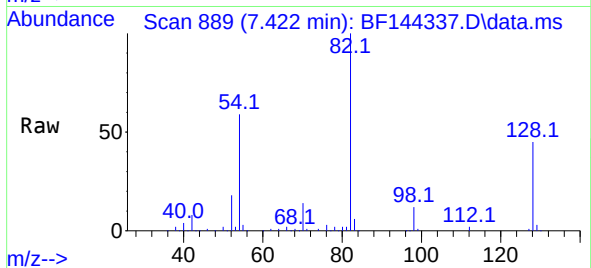
#23
Nitrobenzene-d5
Concen: 48.749 ng
RT: 7.422 min Scan# 892
Delta R.T. -0.012 min
Lab File: BF144337.D
Acq: 24 Nov 2025 21:44

Instrument :

BNA_F

ClientSampleId :

LI-1-112125

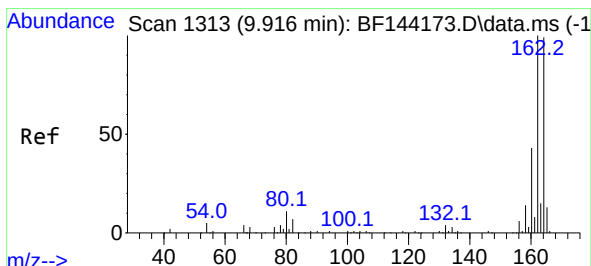
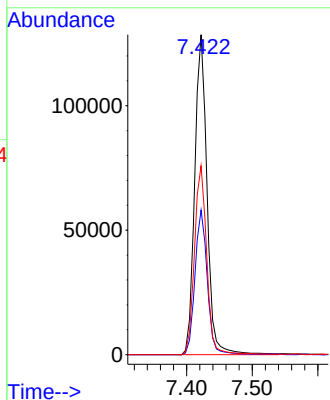
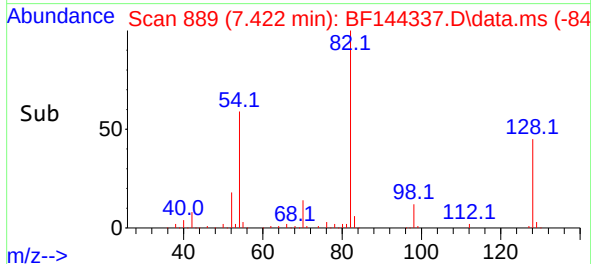


Tgt Ion: 82 Resp: 168818
Ion Ratio Lower Upper
82 100
128 45.2 34.7 52.1
54 59.0 49.5 74.3

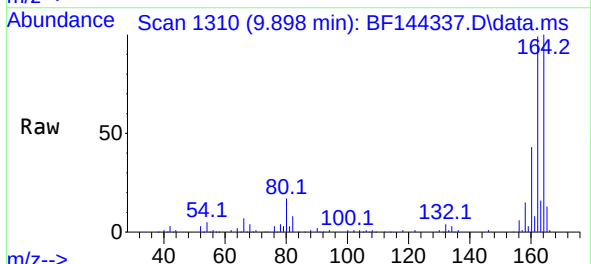
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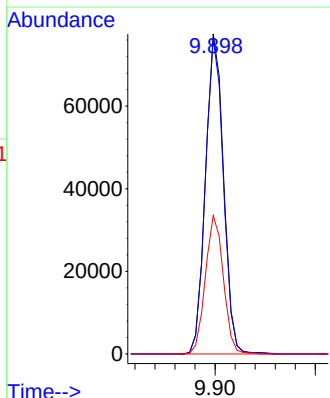
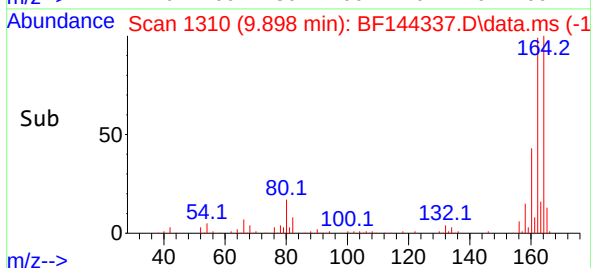
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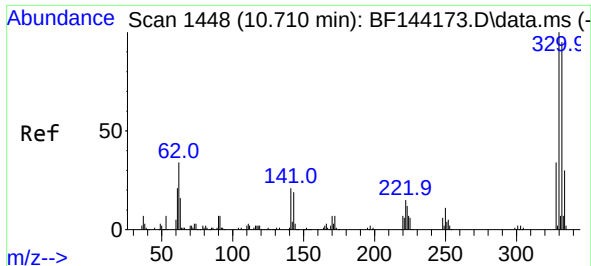


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1310
Delta R.T. -0.018 min
Lab File: BF144337.D
Acq: 24 Nov 2025 21:44



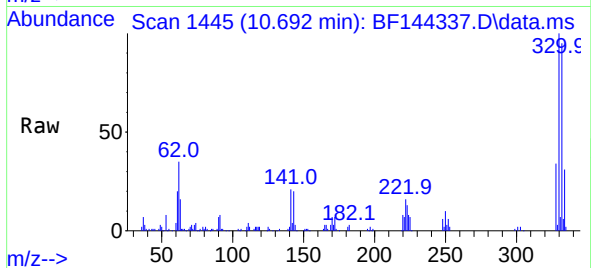
Tgt Ion:164 Resp: 96995
Ion Ratio Lower Upper
164 100
162 98.5 81.1 121.7
160 43.3 34.5 51.7





#42
2,4,6-Tribromophenol
Concen: 58.410 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF144337.D
Acq: 24 Nov 2025 21:44

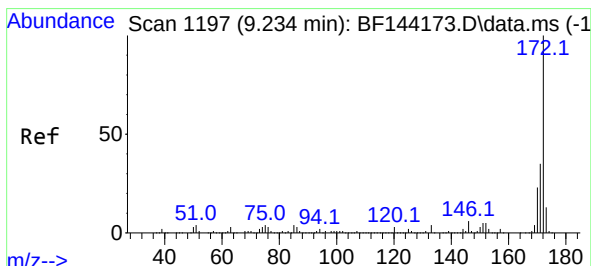
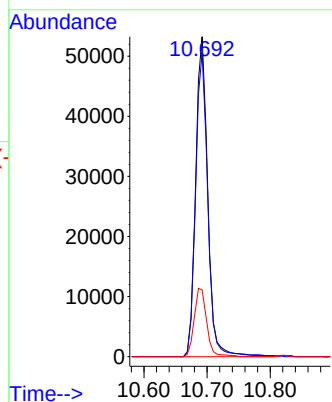
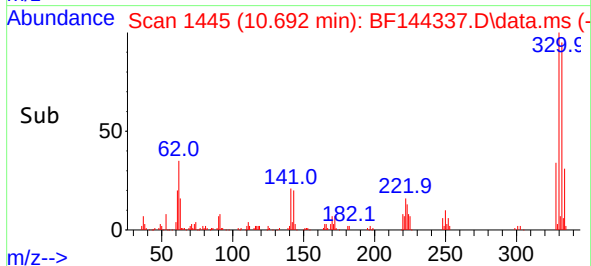
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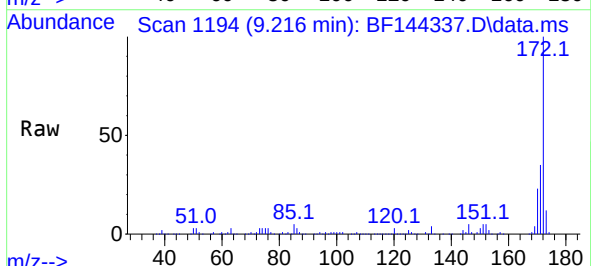
Tgt Ion: 330 Resp: 71095
Ion Ratio Lower Upper
330 100
332 94.2 76.7 115.1
141 22.0 17.8 26.8

Manual Integrations
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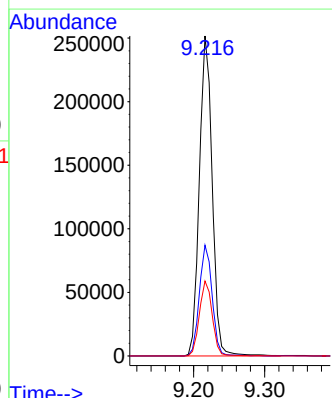
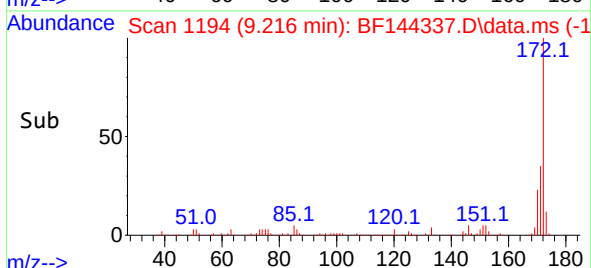
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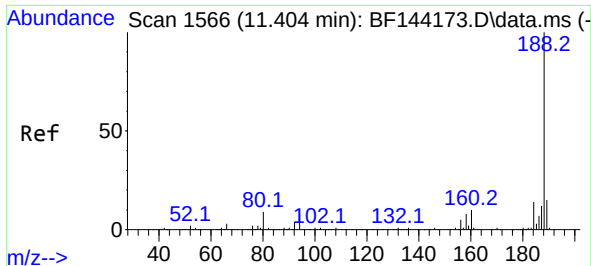


#45
2-Fluorobiphenyl
Concen: 48.414 ng
RT: 9.216 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF144337.D
Acq: 24 Nov 2025 21:44



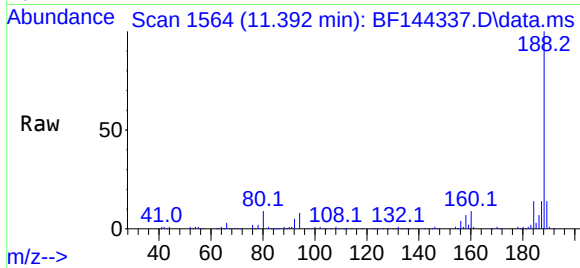
Tgt Ion: 172 Resp: 317953
Ion Ratio Lower Upper
172 100
171 34.6 28.1 42.1
170 23.4 18.6 28.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1564
Delta R.T. -0.012 min
Lab File: BF144337.D
Acq: 24 Nov 2025 21:44

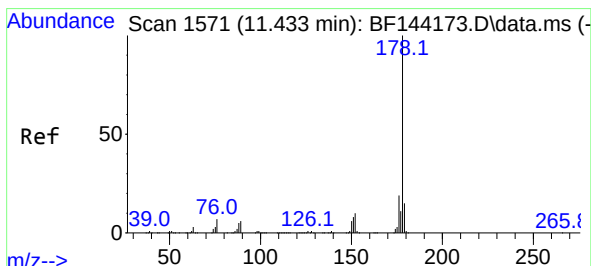
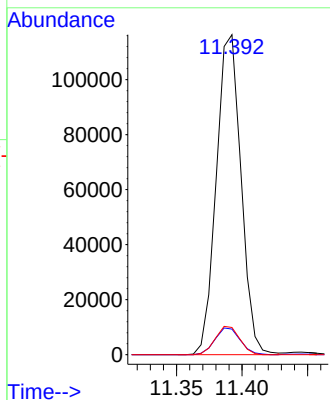
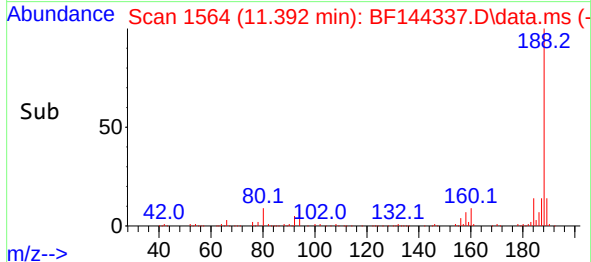
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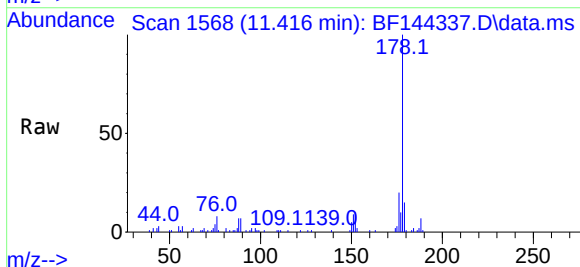
Tgt Ion:188 Resp: 152340
Ion Ratio Lower Upper
188 100
94 8.0 6.2 9.2
80 8.5 6.9 10.3

Manual Integrations
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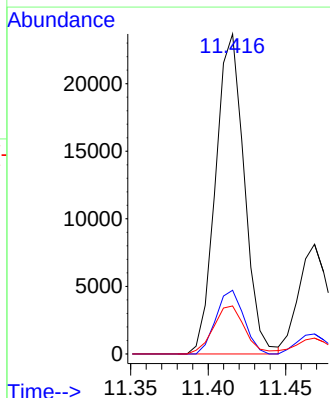
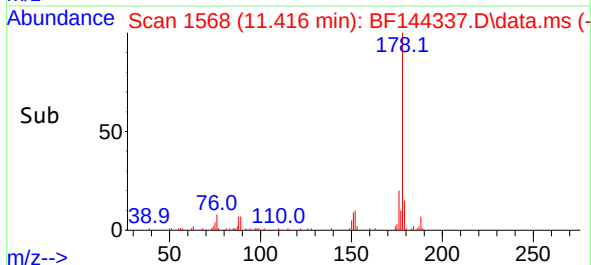
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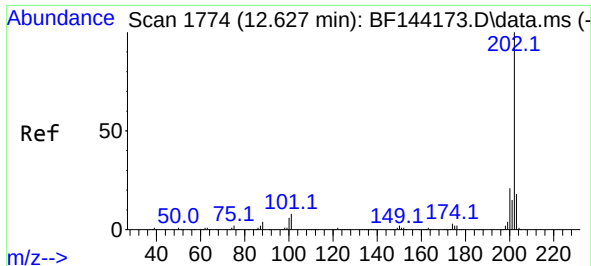


#71
Phenanthrene
Concen: 4.010 ng
RT: 11.416 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF144337.D
Acq: 24 Nov 2025 21:44



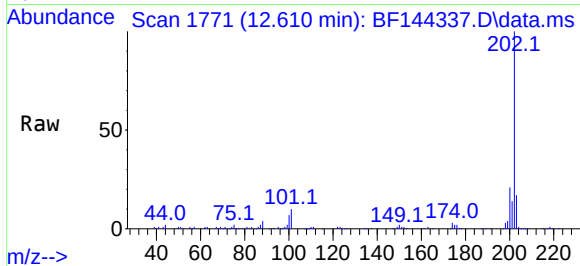
Tgt Ion:178 Resp: 30417
Ion Ratio Lower Upper
178 100
176 19.9 15.5 23.3
179 15.0 12.2 18.4





#75
Fluoranthene
Concen: 13.871 ng
RT: 12.610 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144337.D
Acq: 24 Nov 2025 21:44

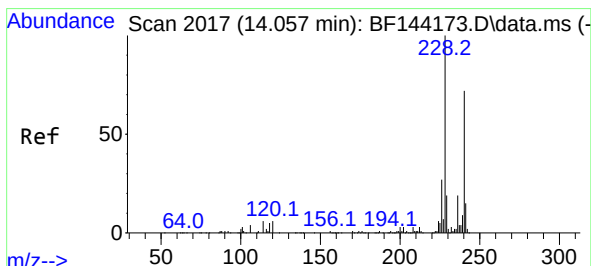
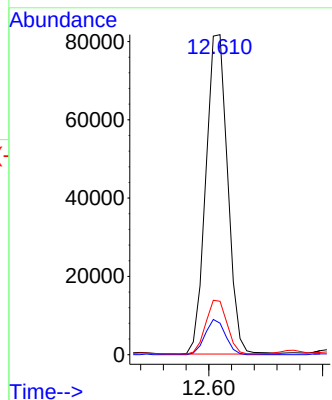
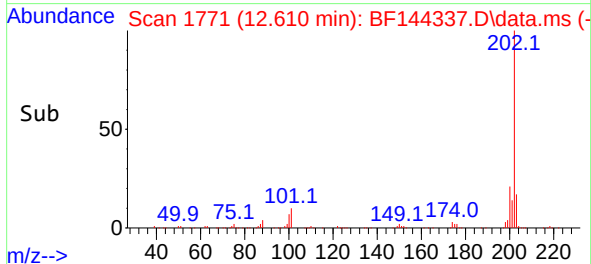
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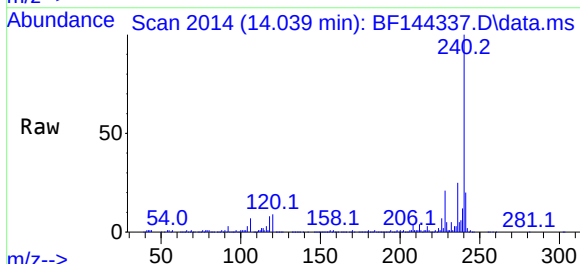
Tgt Ion:202 Resp: 10868
Ion Ratio Lower Upper
202 100
101 9.9 0.0 27.9
203 16.7 0.0 37.5

Manual Integrations
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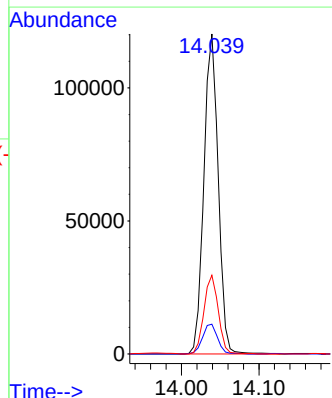
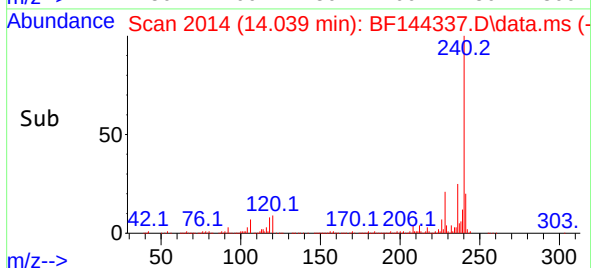
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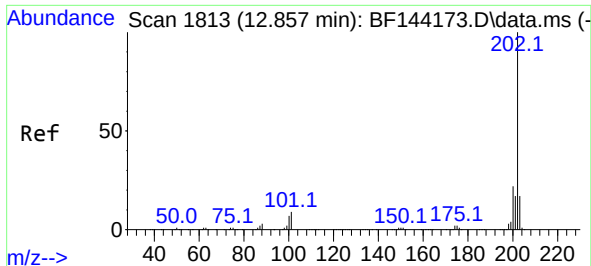


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF144337.D
Acq: 24 Nov 2025 21:44



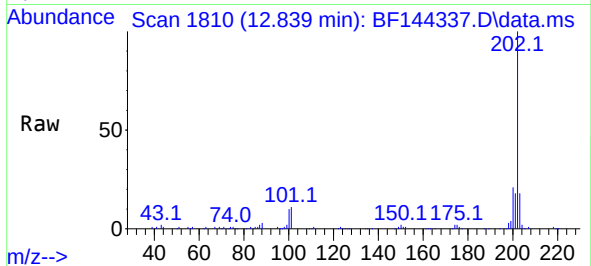
Tgt Ion:240 Resp: 154441
Ion Ratio Lower Upper
240 100
120 9.3 6.6 10.0
236 24.6 21.4 32.2





#78
Pyrene
Concen: 8.128 ng
RT: 12.839 min Scan# 1810
Delta R.T. -0.012 min
Lab File: BF144337.D
Acq: 24 Nov 2025 21:44

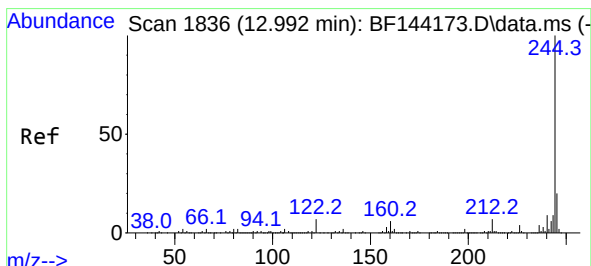
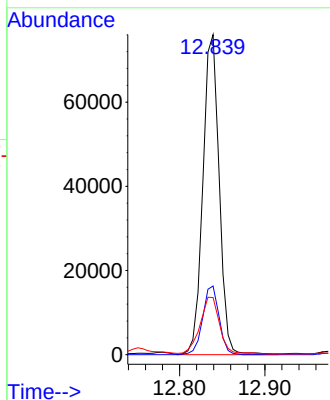
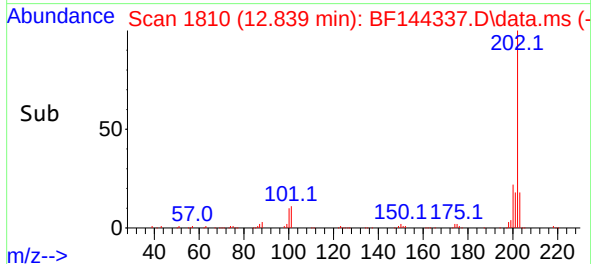
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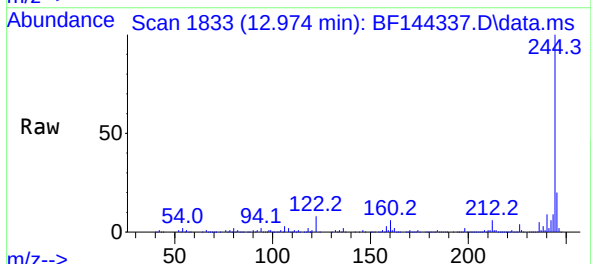
Tgt Ion:202 Resp: 101209
Ion Ratio Lower Upper
202 100
200 21.4 17.2 25.8
203 17.9 13.7 20.5

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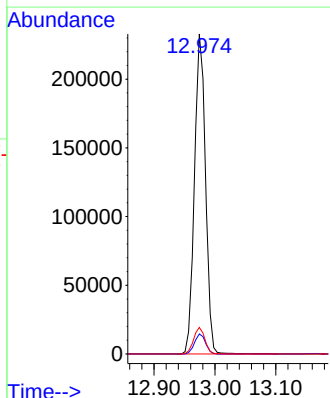
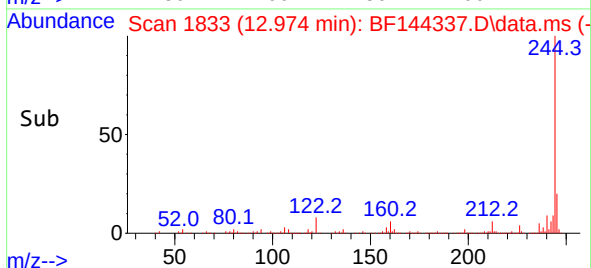
Reviewed By :Jagrut Upadhyay 11/25/2025
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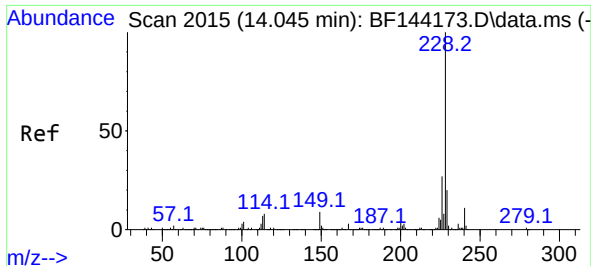


#79
Terphenyl-d14
Concen: 30.120 ng
RT: 12.974 min Scan# 1833
Delta R.T. -0.018 min
Lab File: BF144337.D
Acq: 24 Nov 2025 21:44



Tgt Ion:244 Resp: 292862
Ion Ratio Lower Upper
244 100
212 6.3 5.3 7.9
122 8.3 5.6 8.4





#81
Benzo(a)anthracene
Concen: 6.166 ng
RT: 14.027 min Scan# 2012
Delta R.T. -0.018 min
Lab File: BF144337.D
Acq: 24 Nov 2025 21:44

Instrument :

BNA_F

ClientSampleId :

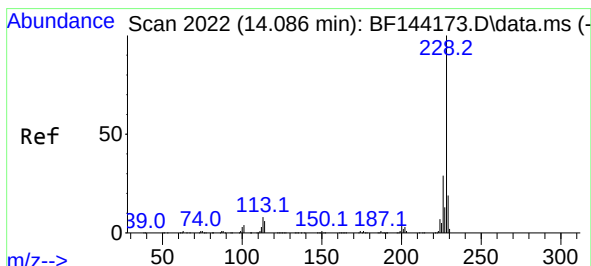
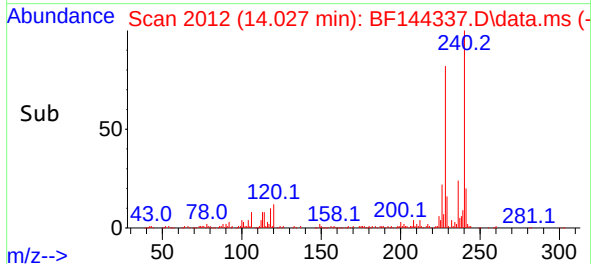
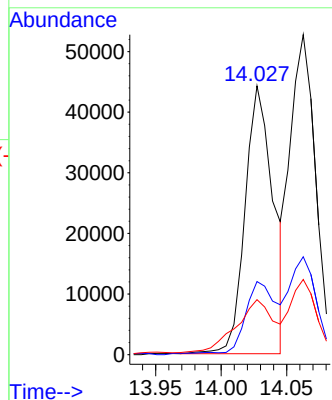
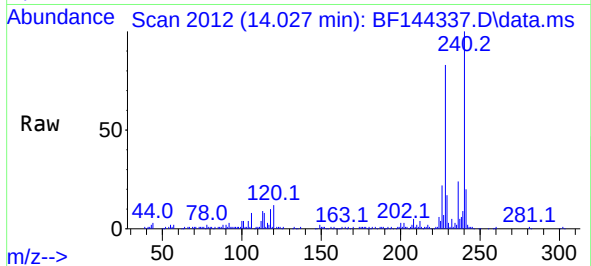
LI-1-112125

Tgt Ion:228 Resp: 6600
Ion Ratio Lower Upper
228 100
226 27.2 21.8 32.8
229 20.5 15.8 23.6

Manual Integrations

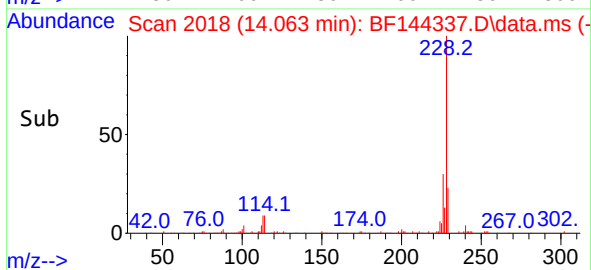
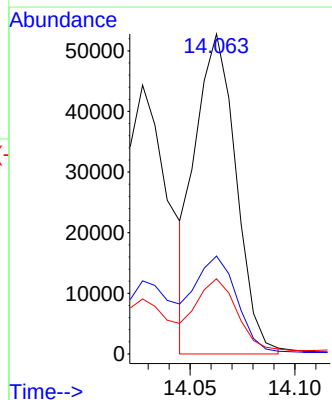
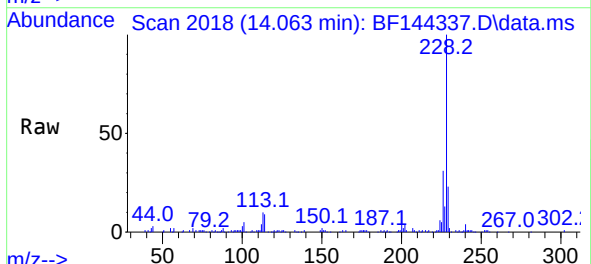
APPROVED

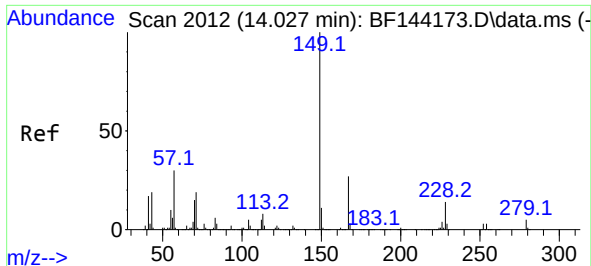
Reviewed By :Jagrut Upadhyay 11/25/2025
Supervised By :mohammad ahmed 11/26/2025



#83
Chrysene
Concen: 7.192 ng m
RT: 14.063 min Scan# 2018
Delta R.T. -0.018 min
Lab File: BF144337.D
Acq: 24 Nov 2025 21:44

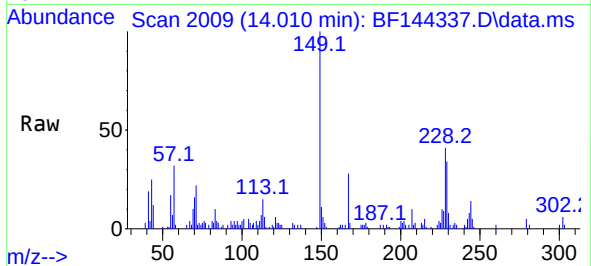
Tgt Ion:228 Resp: 71068
Ion Ratio Lower Upper
228 100
226 30.6 22.9 34.3
229 23.5 15.0 22.6#





#84
Bis(2-ethylhexyl)phthalate
Concen: 2.633 ng
RT: 14.010 min Scan# 2012
Delta R.T. -0.018 min
Lab File: BF144337.D
Acq: 24 Nov 2025 21:44

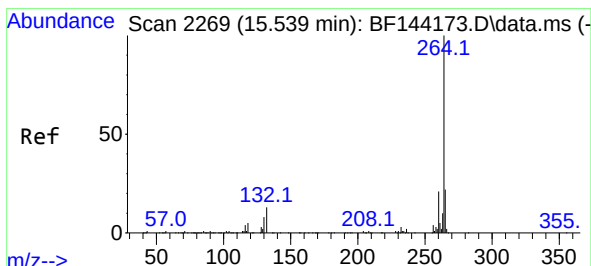
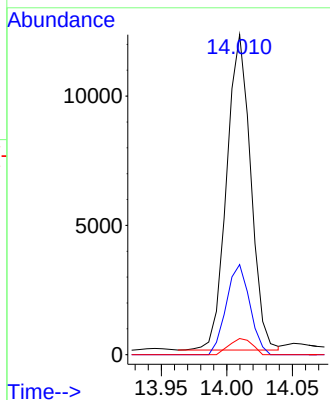
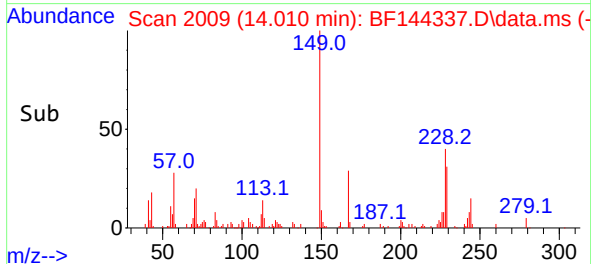
Instrument :
BNA_F
ClientSampleId :
LI-1-112125



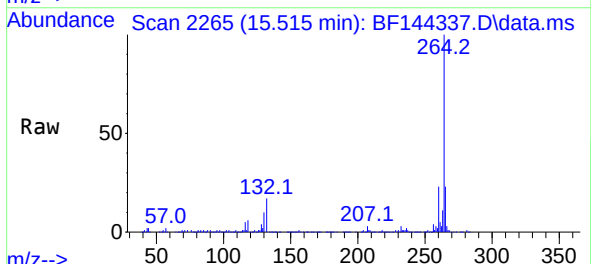
Tgt Ion:149 Resp: 15558
Ion Ratio Lower Upper
149 100
167 28.2 21.8 32.8
279 5.0 3.7 5.5

Manual Integrations
APPROVED

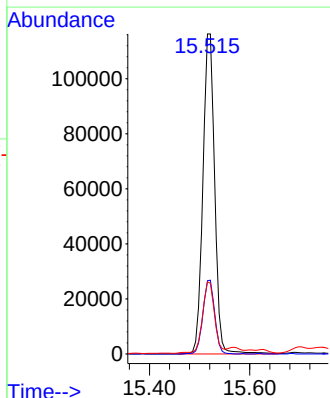
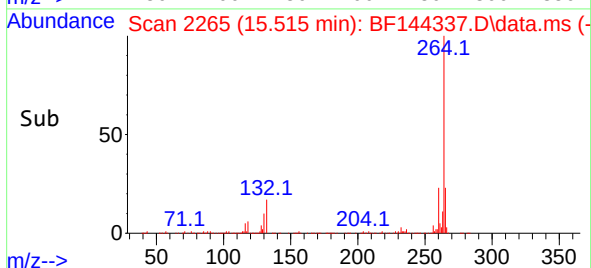
Reviewed By :Jagrut Upadhyay 11/25/2025
Supervised By :mohammad ahmed 11/26/2025

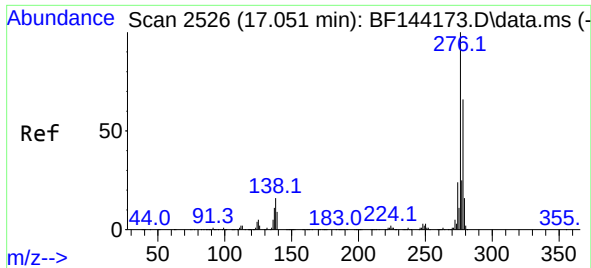


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.515 min Scan# 2265
Delta R.T. -0.024 min
Lab File: BF144337.D
Acq: 24 Nov 2025 21:44



Tgt Ion:264 Resp: 190380
Ion Ratio Lower Upper
264 100
260 22.9 17.1 25.7
265 22.6 17.4 26.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 2.644 ng
RT: 17.009 min Scan# 2119
Delta R.T. -0.024 min
Lab File: BF144337.D
Acq: 24 Nov 2025 21:44

Instrument :

BNA_F

ClientSampleId :

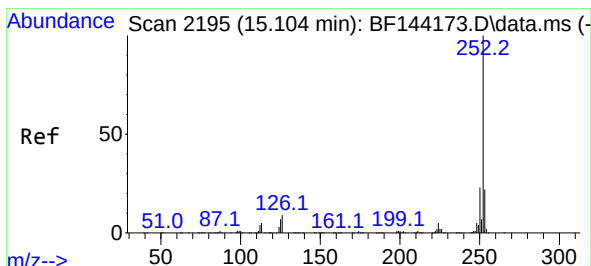
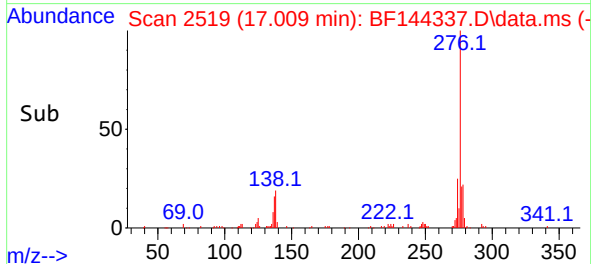
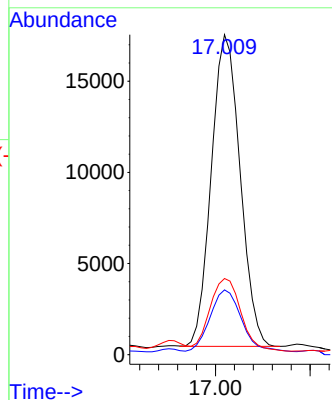
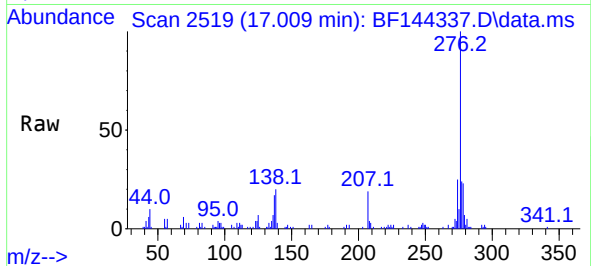
LI-1-112125

Tgt Ion:276 Resp: 36134
Ion Ratio Lower Upper
276 100
138 24.8 13.9 20.9
277 25.6 19.8 29.6

Manual Integrations

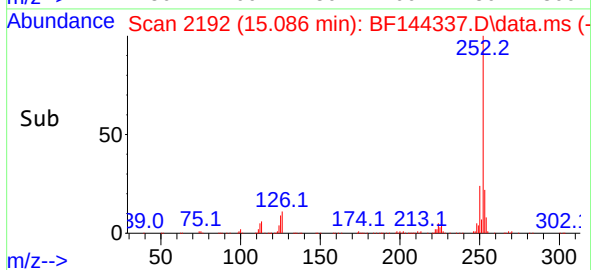
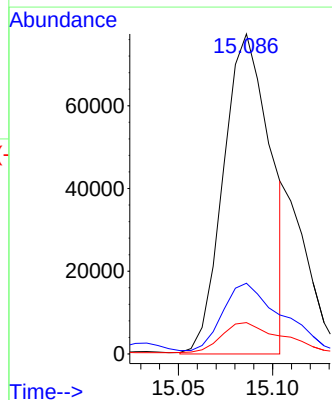
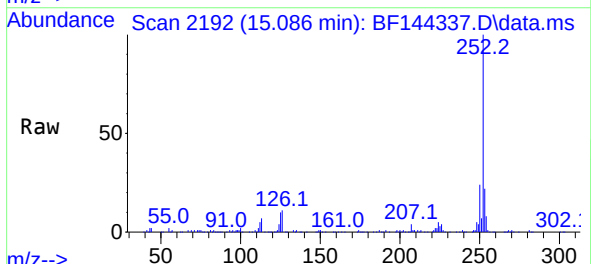
APPROVED

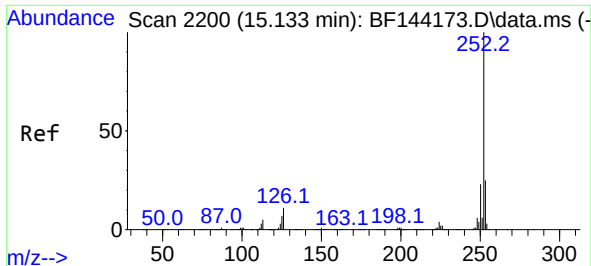
Reviewed By :Jagrut Upadhyay 11/25/2025
Supervised By :mohammad ahmed 11/26/2025



#88
Benzo(b)fluoranthene
Concen: 12.440 ng m
RT: 15.086 min Scan# 2192
Delta R.T. -0.012 min
Lab File: BF144337.D
Acq: 24 Nov 2025 21:44

Tgt Ion:252 Resp: 134643
Ion Ratio Lower Upper
252 100
253 22.1 17.4 26.2
125 9.8 5.3 7.9#





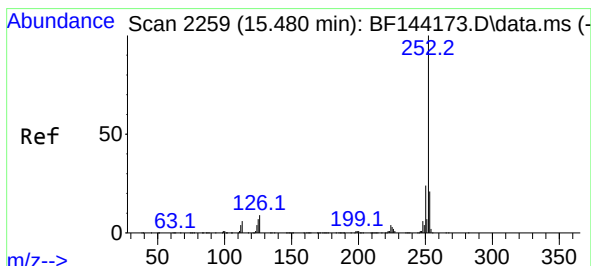
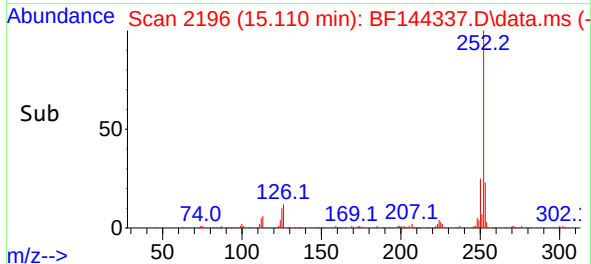
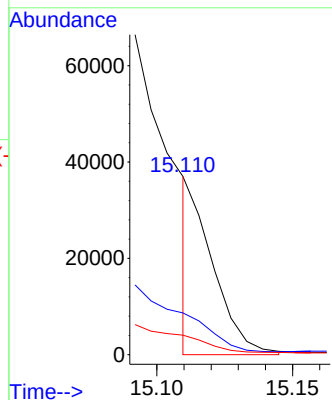
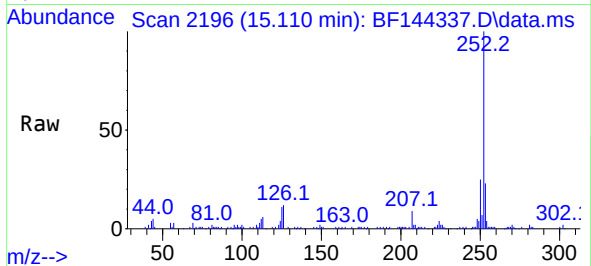
#89
Benzo(k)fluoranthene
Concen: 2.035 ng m
RT: 15.110 min Scan# 2196
Delta R.T. -0.018 min
Lab File: BF144337.D
Acq: 24 Nov 2025 21:44

Instrument :
BNA_F
ClientSampleId :
LI-1-112125

Tgt Ion:252 Resp: 2061
Ion Ratio Lower Upper
252 100
253 23.4 18.0 27.0
125 11.0 5.4 8.2

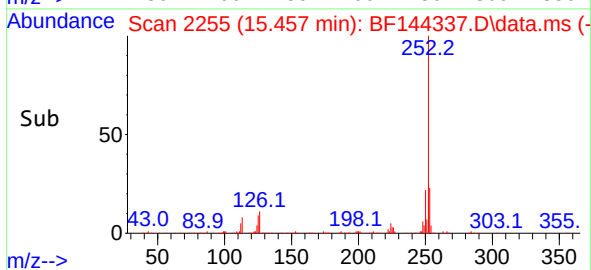
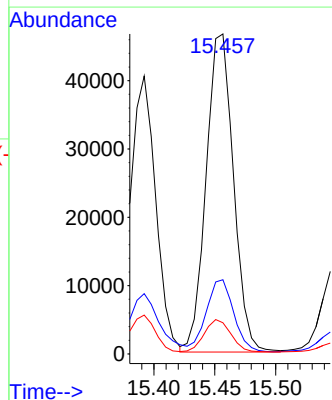
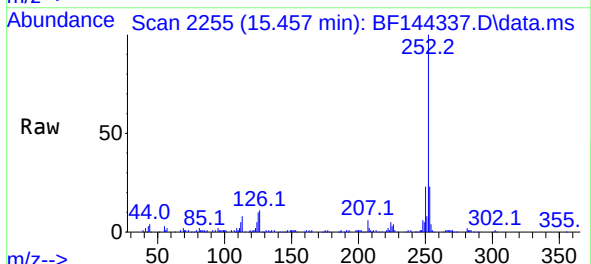
Manual Integrations
APPROVED

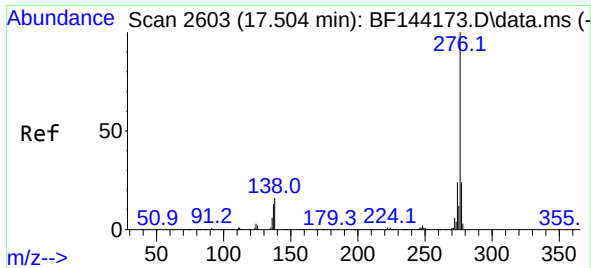
Reviewed By :Jagrut Upadhyay 11/25/2025
Supervised By :mohammad ahmed 11/26/2025



#90
Benzo(a)pyrene
Concen: 7.304 ng
RT: 15.457 min Scan# 2255
Delta R.T. -0.018 min
Lab File: BF144337.D
Acq: 24 Nov 2025 21:44

Tgt Ion:252 Resp: 72932
Ion Ratio Lower Upper
252 100
253 23.2 16.7 25.1
125 9.8 5.7 8.5





#92
 Benzo(g,h,i)perylene
 Concen: 3.220 ng
 RT: 17.462 min Scan# 2596
 Delta R.T. -0.029 min
 Lab File: BF144337.D
 Acq: 24 Nov 2025 21:44

Instrument :

BNA_F

ClientSampleId :

LI-1-112125

Tgt Ion:276 Resp: 3490
 Ion Ratio Lower Upper
 276 100
 277 22.9 19.0 28.4
 138 21.4 12.9 19.3

Manual Integrations

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Reviewed By :Jagrut Upadhyay 11/25/2025
 Supervised By :mohammad ahmed 11/26/2025

