

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112425\
 Data File : BF144338.D
 Acq On : 24 Nov 2025 22:14
 Operator : RC/JU
 Sample : Q3711-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-222

Manual Integrations
 APPROVED

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

Quant Time: Nov 25 00:30:24 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	49256	20.000	ng	-0.01
21) Naphthalene-d8	8.139	136	169728	20.000	ng	-0.02
39) Acenaphthene-d10	9.898	164	83258	20.000	ng	-0.02
64) Phenanthrene-d10	11.386	188	135802	20.000	ng	-0.02
76) Chrysene-d12	14.039	240	148253	20.000	ng	-0.01
86) Perylene-d12	15.521	264	190918	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	266977	84.819	ng	0.00
7) Phenol-d6	6.492	99	296593	83.161	ng	0.00
23) Nitrobenzene-d5	7.422	82	183232	62.350	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	77963	74.621	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	374810	66.488	ng	-0.01
79) Terphenyl-d14	12.974	244	408298	43.746	ng	-0.02
Target Compounds						Qvalue
71) Phenanthrene	11.416	178	93100	13.769	ng	99
72) Anthracene	11.469	178	16675	2.425	ng	96
75) Fluoranthene	12.604	202	176321	25.245	ng	97
78) Pyrene	12.839	202	158355	13.248	ng	98
81) Benzo(a)anthracene	14.027	228	93978	9.146	ng	99
83) Chrysene	14.063	228	90509	9.542	ng	97
87) Indeno(1,2,3-cd)pyrene	17.009	276	43149	3.148	ng	# 92
88) Benzo(b)fluoranthene	15.086	252	139046m	12.810	ng	
89) Benzo(k)fluoranthene	15.104	252	43006m	4.233	ng	
90) Benzo(a)pyrene	15.457	252	81790	8.168	ng	# 97
92) Benzo(g,h,i)perylene	17.462	276	41597	3.827	ng	# 94

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

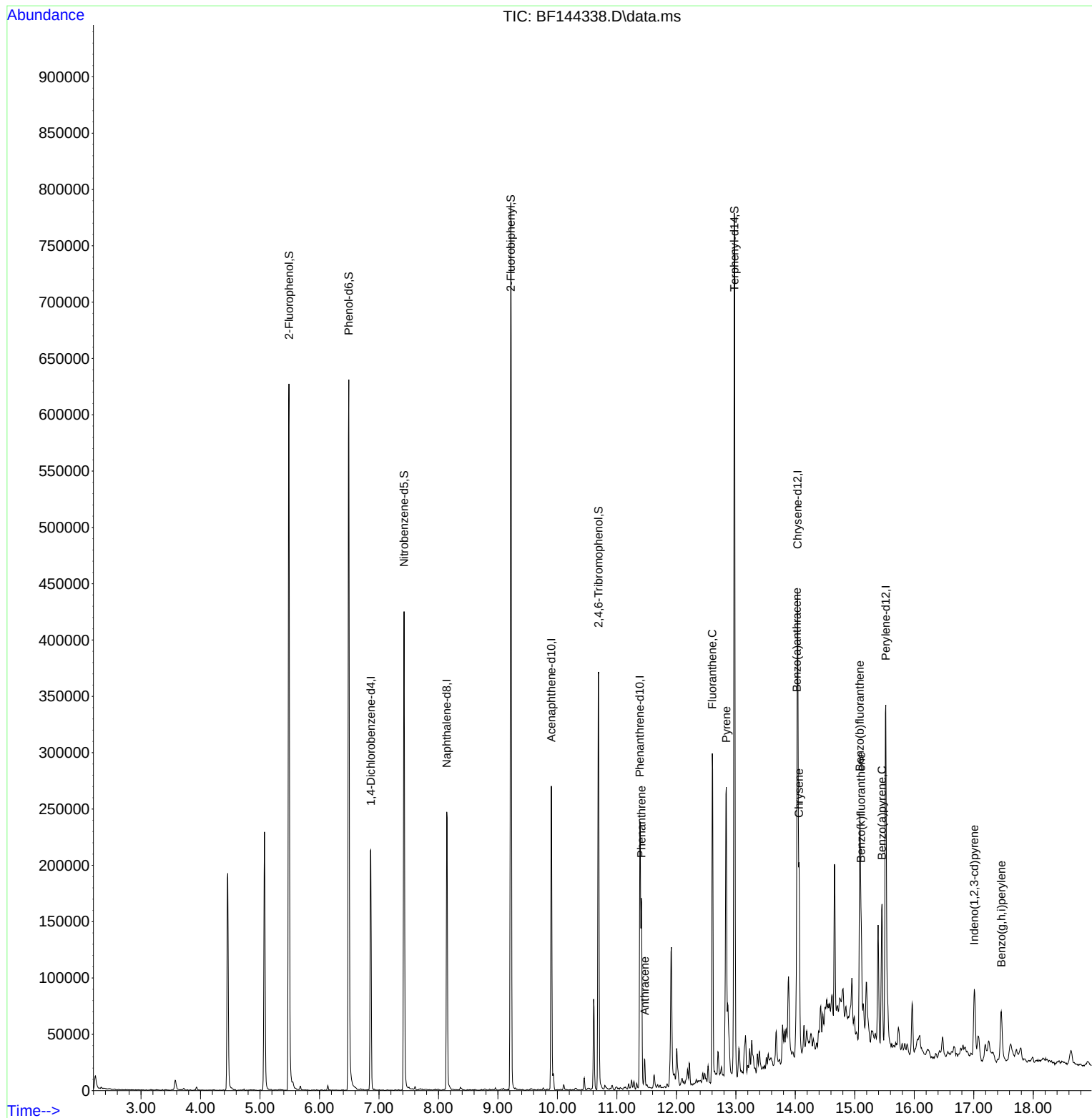
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112425\
Data File : BF144338.D
Acq On : 24 Nov 2025 22:14
Operator : RC/JU
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ALS Vial : 19 Sample Multiplier: 1

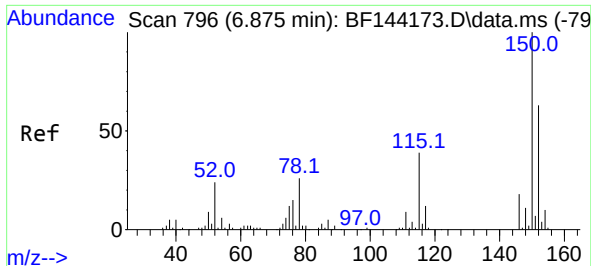
Instrument :
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VNJ-222

Quant Time: Nov 25 00:30:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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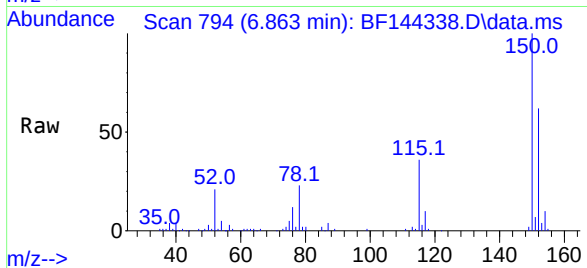
Reviewed By :Jagrut Upadhyay 11/25/2025
Supervised By :mohammad ahmed 11/26/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF144338.D
Acq: 24 Nov 2025 22:14

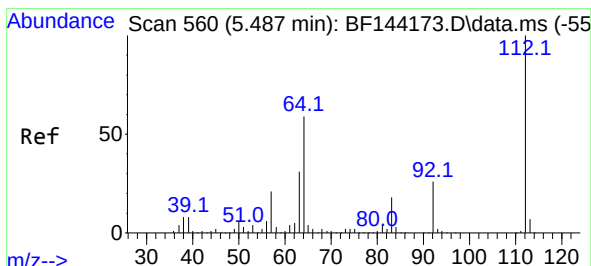
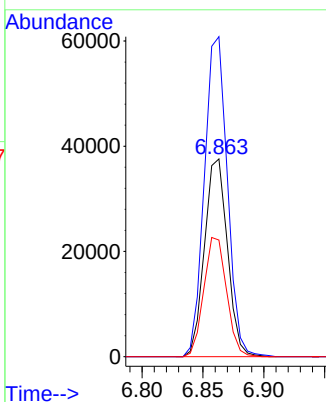
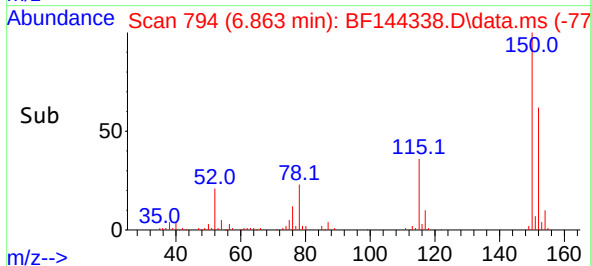
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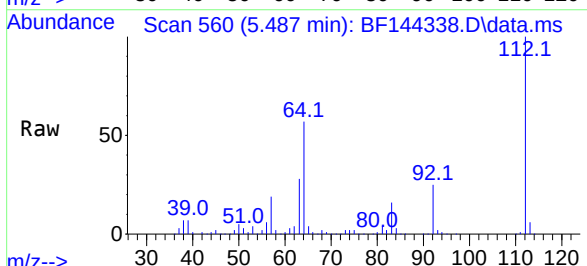
Tgt Ion:152 Resp: 49250
Ion Ratio Lower Upper
152 100
150 161.9 127.4 191.0
115 59.0 49.5 74.3

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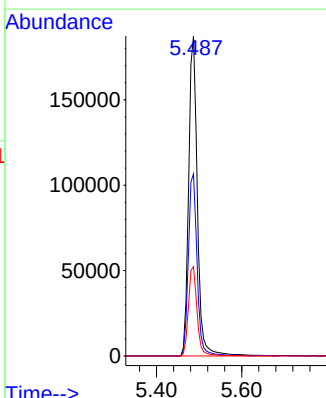
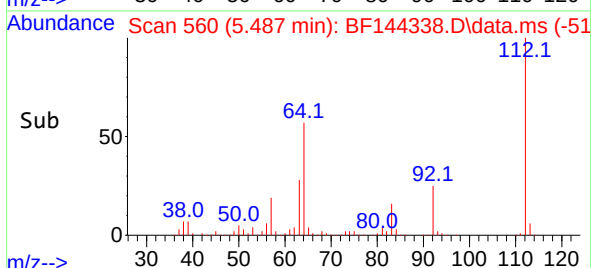
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Supervised By :mohammad ahmed 11/26/2025

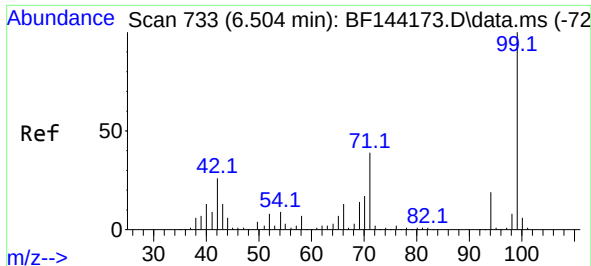


#5
2-Fluorophenol
Concen: 84.819 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.006 min
Lab File: BF144338.D
Acq: 24 Nov 2025 22:14



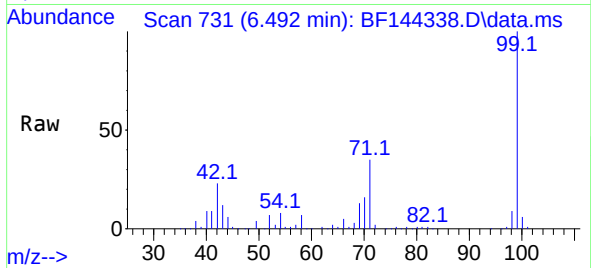
Tgt Ion:112 Resp: 266977
Ion Ratio Lower Upper
112 100
64 56.9 47.2 70.8
63 27.9 24.4 36.6





#7
Phenol-d6
Concen: 83.161 ng
RT: 6.492 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF144338.D
Acq: 24 Nov 2025 22:14

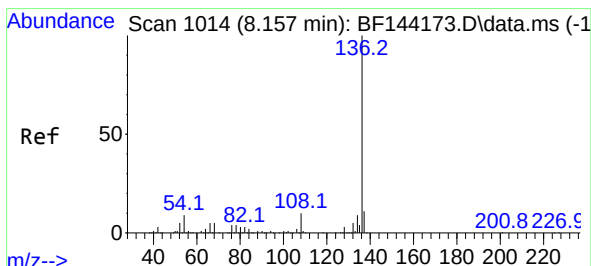
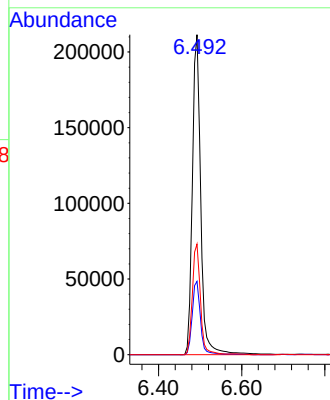
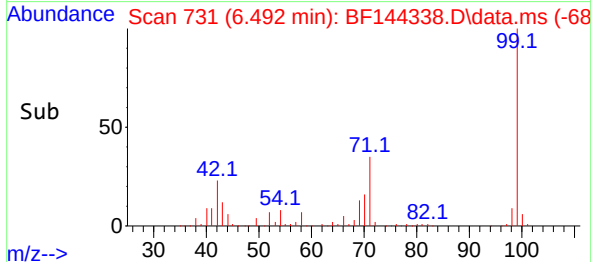
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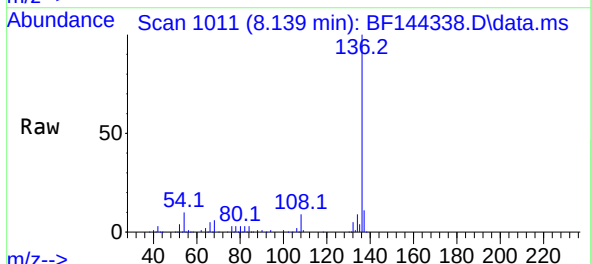
Tgt Ion: 99 Resp: 29659
Ion Ratio Lower Upper
99 100
42 22.9 20.9 31.3
71 34.6 31.4 47.2

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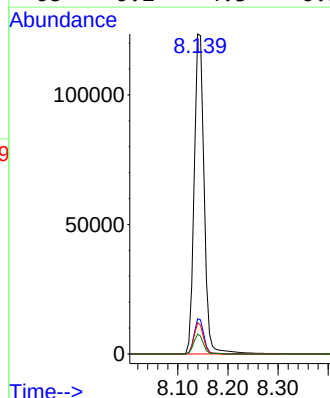
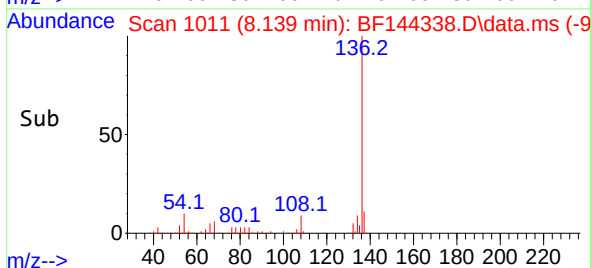
Reviewed By :Jagrut Upadhyay 11/25/2025
Supervised By :mohammad ahmed 11/26/2025

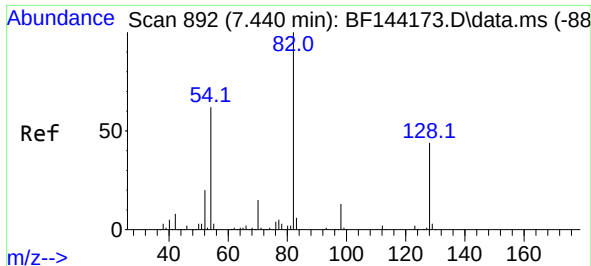


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 1011
Delta R.T. -0.018 min
Lab File: BF144338.D
Acq: 24 Nov 2025 22:14



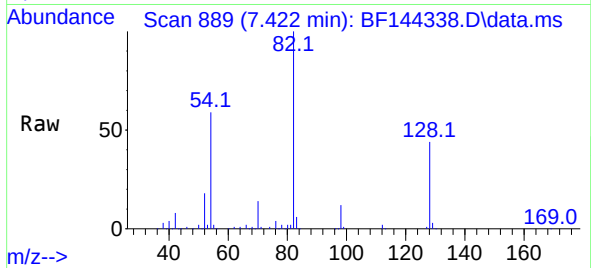
Tgt Ion:136 Resp: 169728
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 9.7 7.0 10.6
68 6.2 4.3 6.5





#23
Nitrobenzene-d5
Concen: 62.350 ng
RT: 7.422 min Scan# 89
Delta R.T. -0.012 min
Lab File: BF144338.D
Acq: 24 Nov 2025 22:14

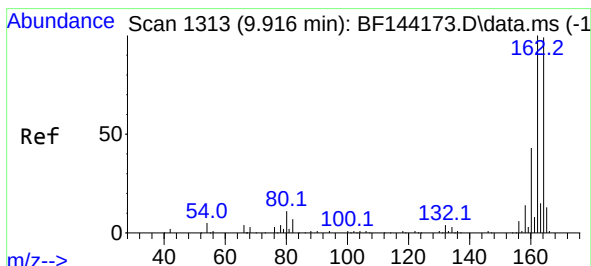
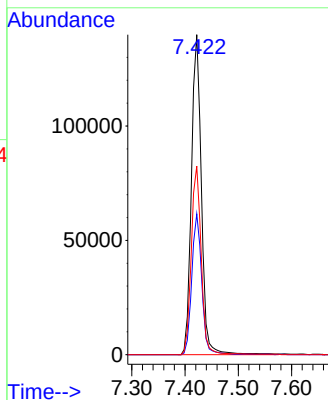
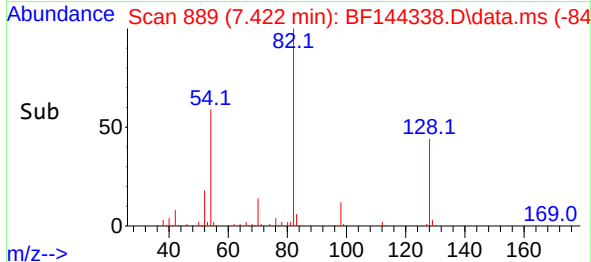
Instrument :
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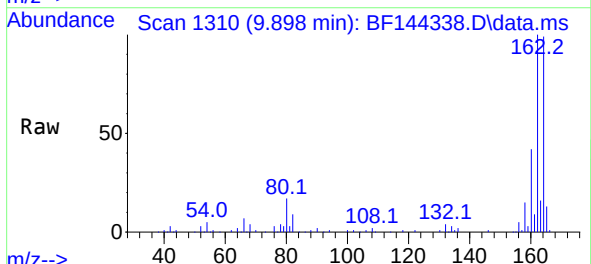
Tgt Ion: 82 Resp: 18323
Ion Ratio Lower Upper
82 100
128 44.0 34.7 52.1
54 58.9 49.5 74.3

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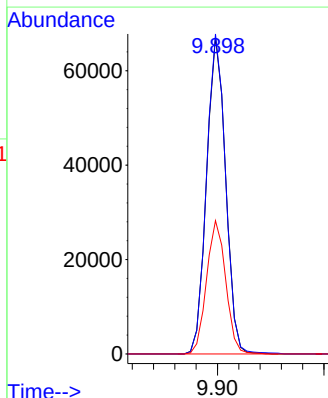
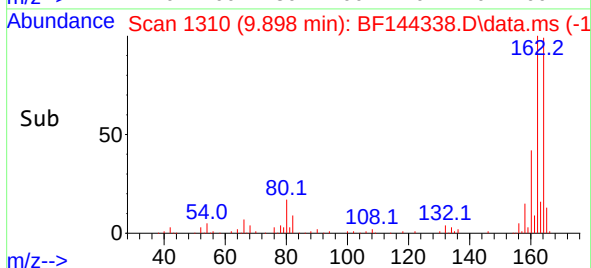
Reviewed By :Jagrut Upadhyay 11/25/2025
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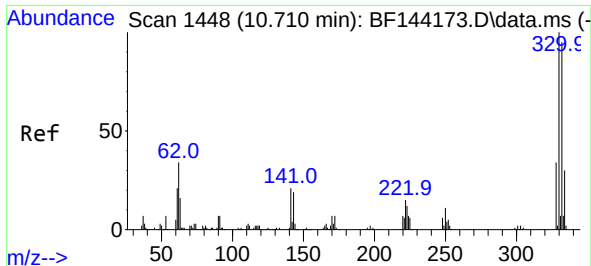


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1310
Delta R.T. -0.018 min
Lab File: BF144338.D
Acq: 24 Nov 2025 22:14



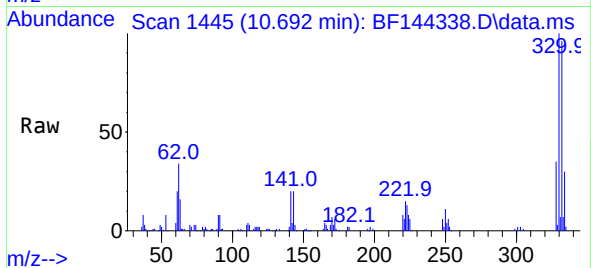
Tgt Ion:164 Resp: 83258
Ion Ratio Lower Upper
164 100
162 101.1 81.1 121.7
160 42.1 34.5 51.7





#42
2,4,6-Tribromophenol
Concen: 74.621 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF144338.D
Acq: 24 Nov 2025 22:14

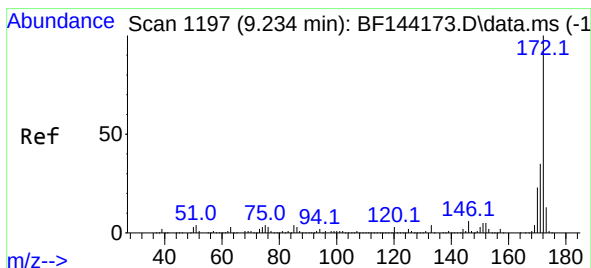
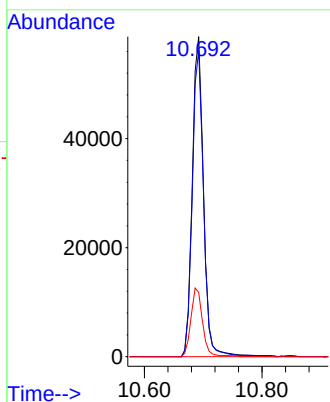
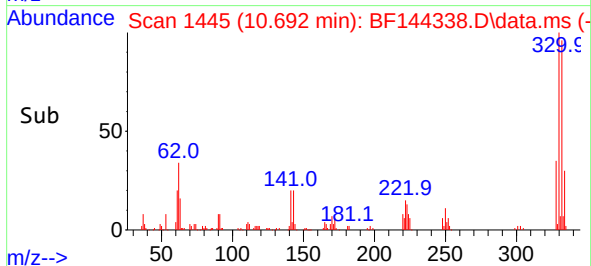
Instrument :
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ClientSampleId :
VNJ-222



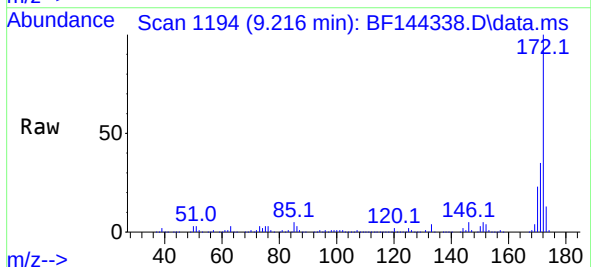
Tgt Ion: 330 Resp: 7796
Ion Ratio Lower Upper
330 100
332 95.4 76.7 115.1
141 22.3 17.8 26.8

Manual Integrations
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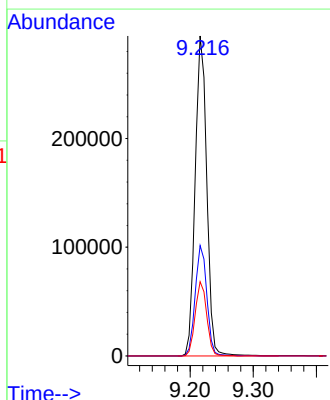
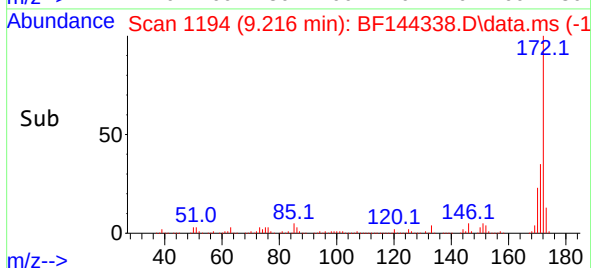
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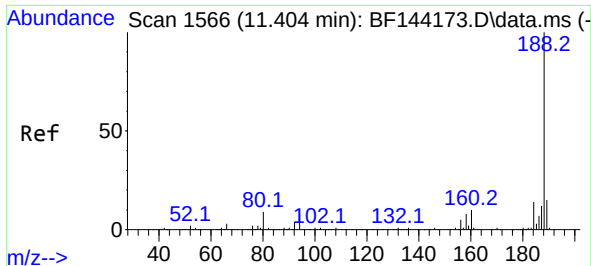


#45
2-Fluorobiphenyl
Concen: 66.488 ng
RT: 9.216 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF144338.D
Acq: 24 Nov 2025 22:14



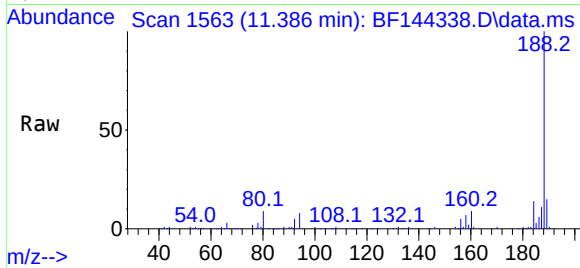
Tgt Ion: 172 Resp: 374810
Ion Ratio Lower Upper
172 100
171 34.5 28.1 42.1
170 23.2 18.6 28.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1566
Delta R.T. -0.018 min
Lab File: BF144338.D
Acq: 24 Nov 2025 22:14

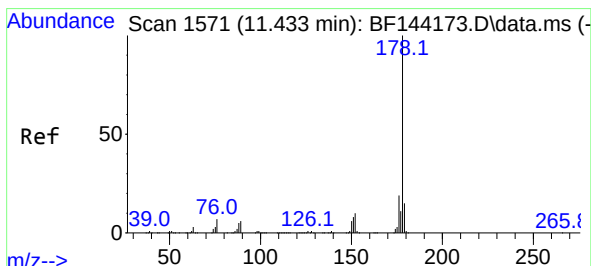
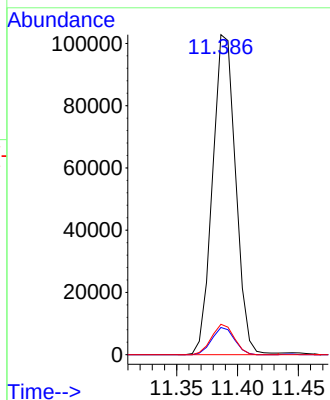
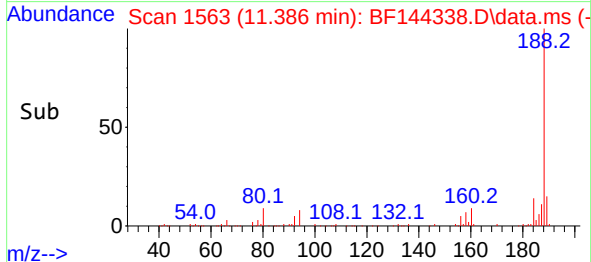
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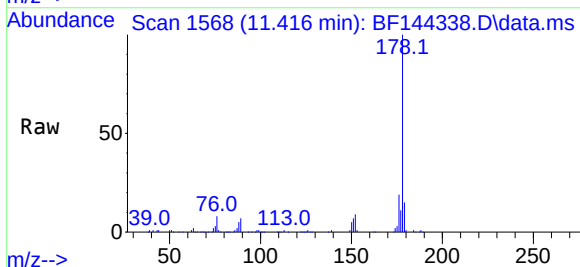
Tgt Ion:188 Resp: 135802
Ion Ratio Lower Upper
188 100
94 8.5 6.2 9.2
80 9.5 6.9 10.3

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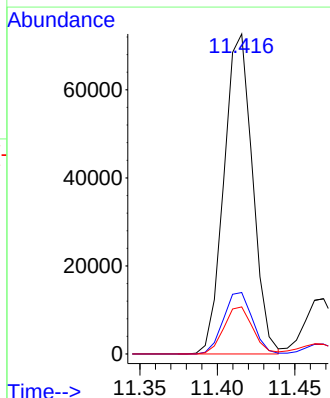
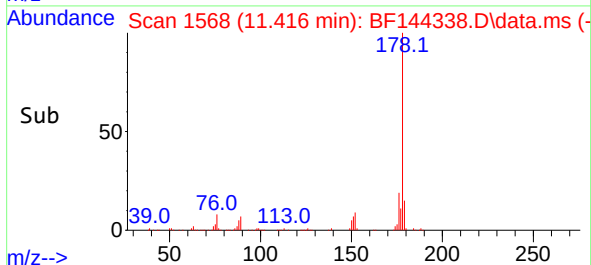
Reviewed By :Jagrut Upadhyay 11/25/2025
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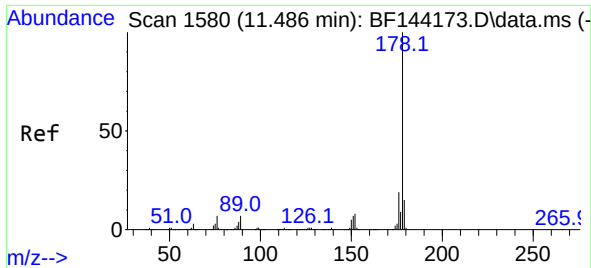


#71
Phenanthrene
Concen: 13.769 ng
RT: 11.416 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF144338.D
Acq: 24 Nov 2025 22:14



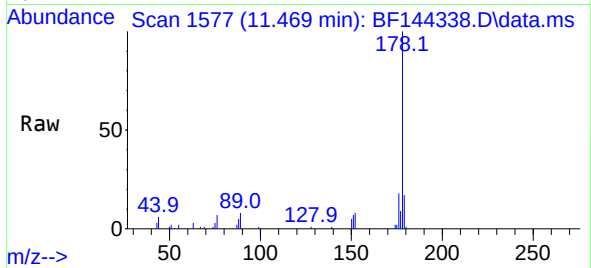
Tgt Ion:178 Resp: 93100
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 14.7 12.2 18.4





#72
Anthracene
Concen: 2.425 ng
RT: 11.469 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144338.D
Acq: 24 Nov 2025 22:14

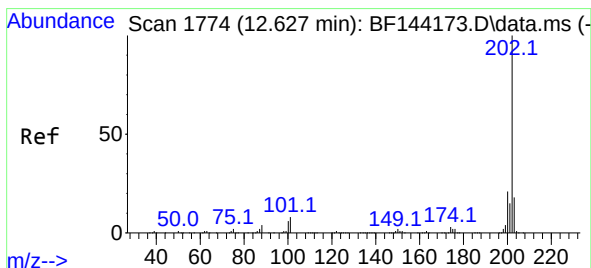
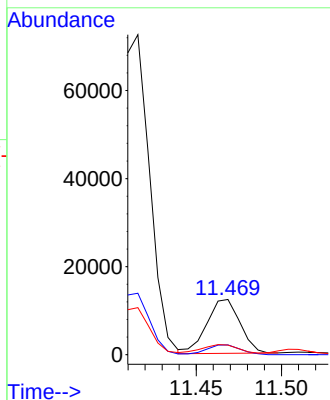
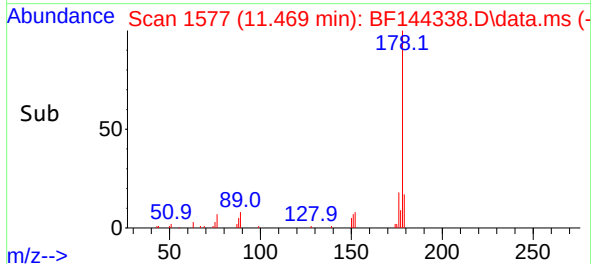
Instrument :
BNA_F
ClientSampleId :
VNJ-222



Tgt Ion:178 Resp: 1667
Ion Ratio Lower Upper
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176 17.8 15.3 22.9
179 17.3 12.0 18.0

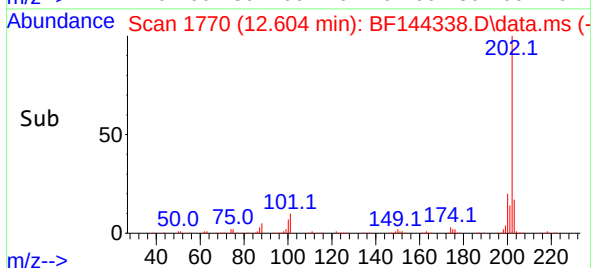
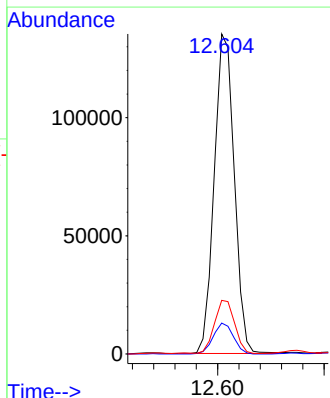
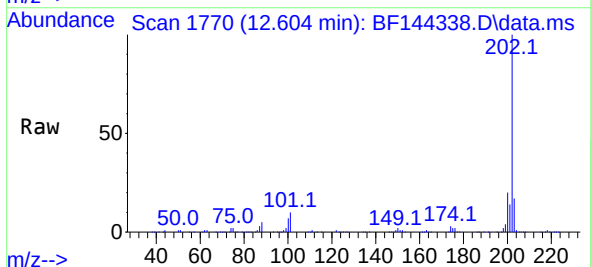
Manual Integrations
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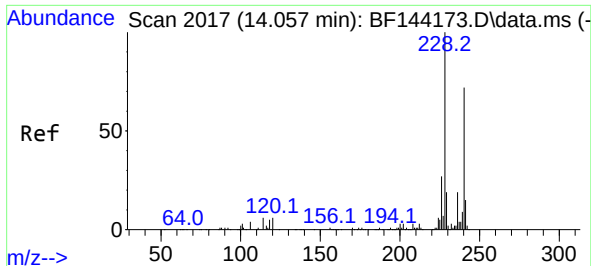
Reviewed By :Jagrut Upadhyay 11/25/2025
Supervised By :mohammad ahmed 11/26/2025



#75
Fluoranthene
Concen: 25.245 ng
RT: 12.604 min Scan# 1770
Delta R.T. -0.018 min
Lab File: BF144338.D
Acq: 24 Nov 2025 22:14

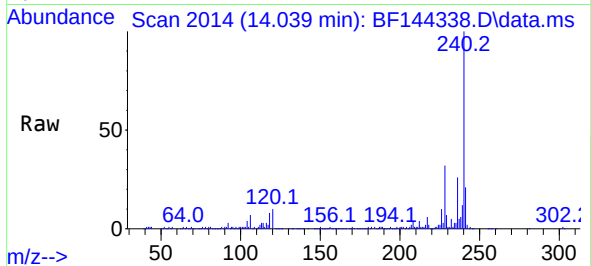
Tgt Ion:202 Resp: 176321
Ion Ratio Lower Upper
202 100
101 9.7 0.0 27.9
203 16.8 0.0 37.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF144338.D
Acq: 24 Nov 2025 22:14

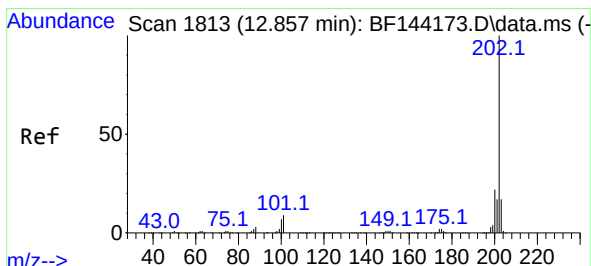
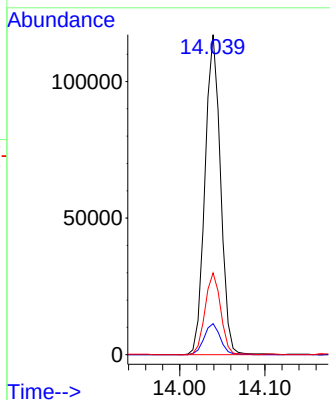
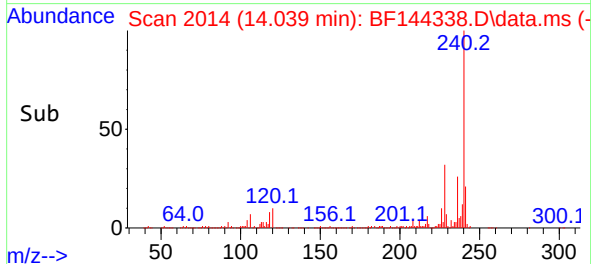
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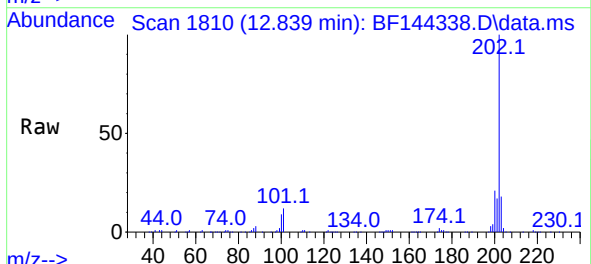
Tgt Ion:240 Resp: 14825
Ion Ratio Lower Upper
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120 9.7 6.6 10.0
236 25.6 21.4 32.2

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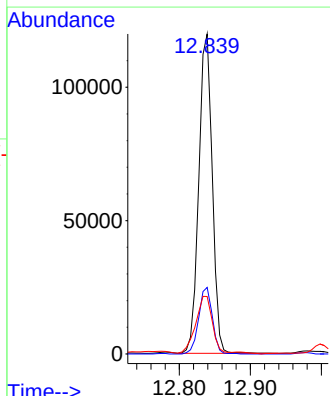
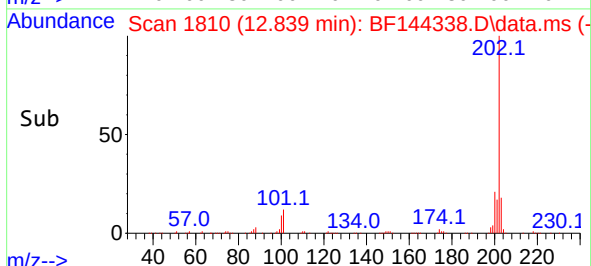
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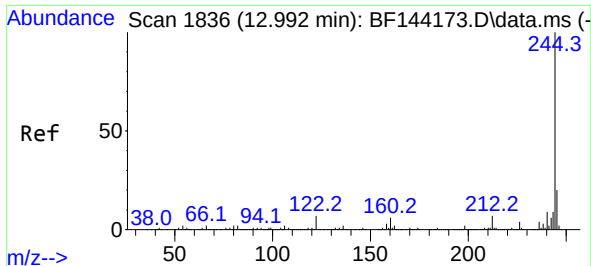


#78
Pyrene
Concen: 13.248 ng
RT: 12.839 min Scan# 1810
Delta R.T. -0.012 min
Lab File: BF144338.D
Acq: 24 Nov 2025 22:14



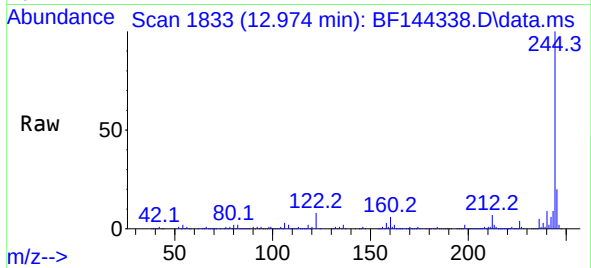
Tgt Ion:202 Resp: 158355
Ion Ratio Lower Upper
202 100
200 20.8 17.2 25.8
203 17.9 13.7 20.5





#79
 Terphenyl-d14
 Concen: 43.746 ng
 RT: 12.974 min Scan# 1836
 Delta R.T. -0.018 min
 Lab File: BF144338.D
 Acq: 24 Nov 2025 22:14

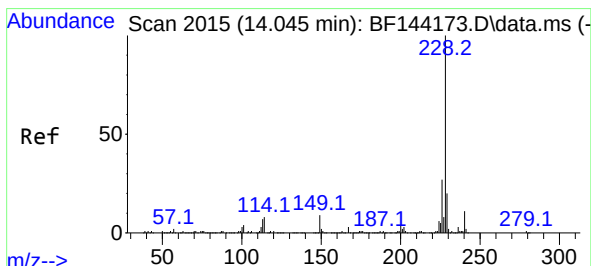
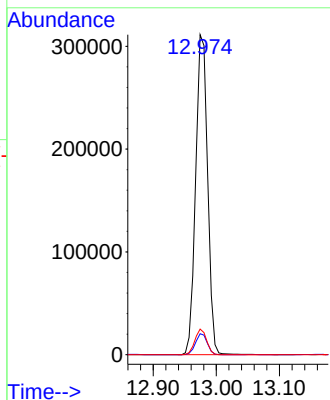
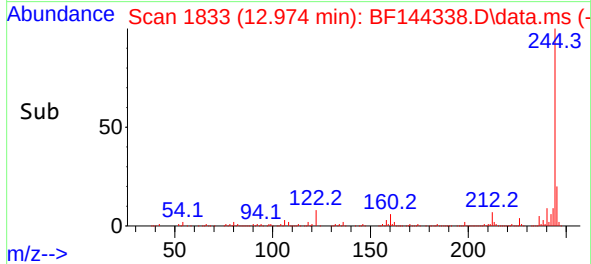
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-222



Tgt Ion:244 Resp: 408298
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.3 7.9
 122 8.0 5.6 8.4

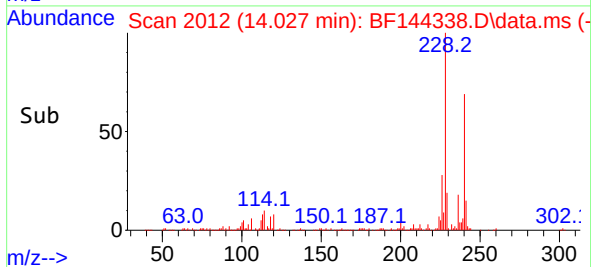
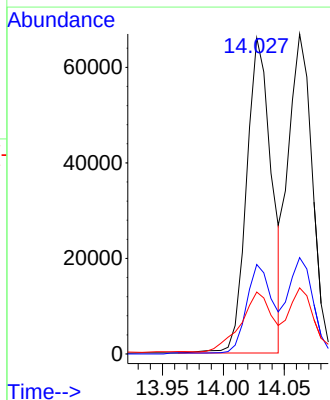
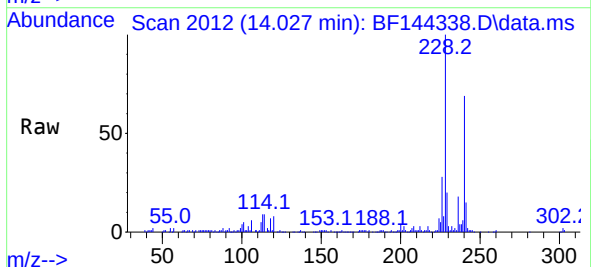
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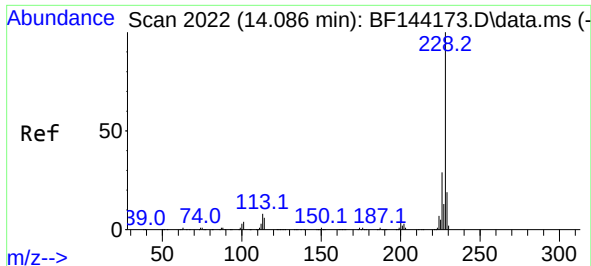
Reviewed By :Jagrut Upadhyay 11/25/2025
 Supervised By :mohammad ahmed 11/26/2025



#81
 Benzo(a)anthracene
 Concen: 9.146 ng
 RT: 14.027 min Scan# 2012
 Delta R.T. -0.018 min
 Lab File: BF144338.D
 Acq: 24 Nov 2025 22:14

Tgt Ion:228 Resp: 93978
 Ion Ratio Lower Upper
 228 100
 226 28.3 21.8 32.8
 229 19.6 15.8 23.6





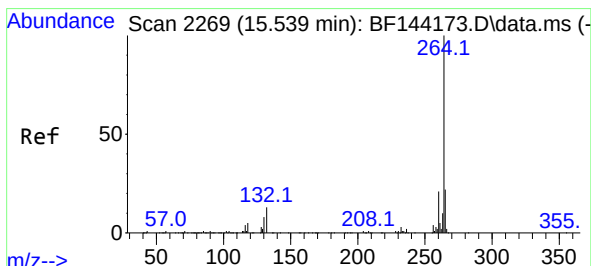
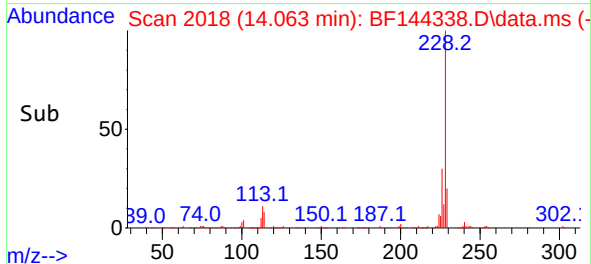
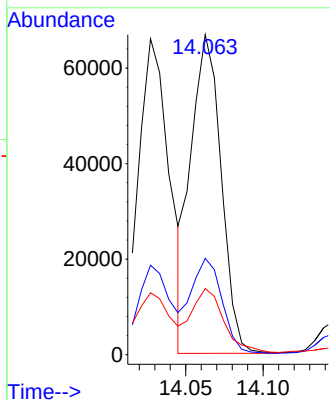
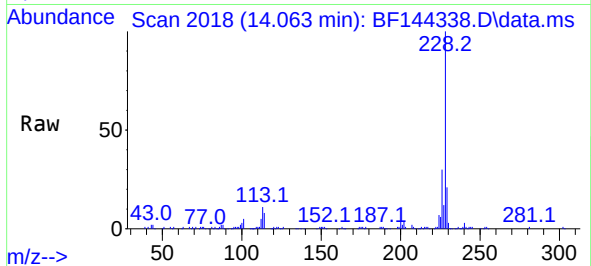
#83
Chrysene
Concen: 9.542 ng
RT: 14.063 min Scan# 2022
Delta R.T. -0.018 min
Lab File: BF144338.D
Acq: 24 Nov 2025 22:14

Instrument :
BNA_F
ClientSampleId :
VNJ-222

Tgt Ion:228 Resp: 90509
Ion Ratio Lower Upper
228 100
226 30.1 22.9 34.3
229 20.6 15.0 22.6

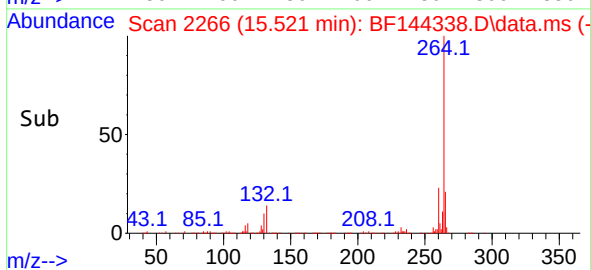
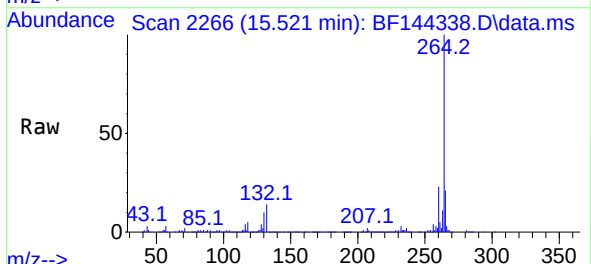
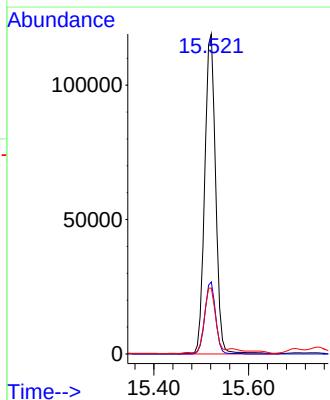
Manual Integrations
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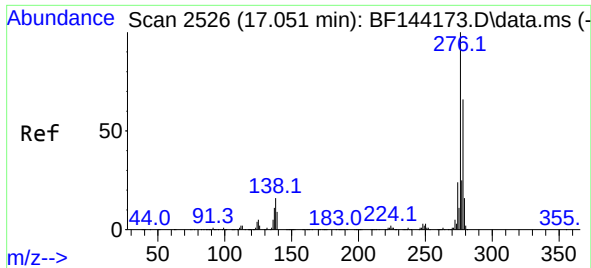
Reviewed By :Jagrut Upadhyay 11/25/2025
Supervised By :mohammad ahmed 11/26/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2266
Delta R.T. -0.018 min
Lab File: BF144338.D
Acq: 24 Nov 2025 22:14

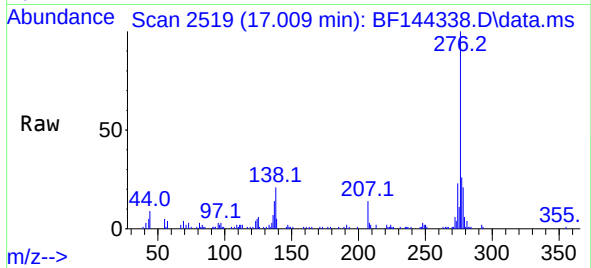
Tgt Ion:264 Resp: 190918
Ion Ratio Lower Upper
264 100
260 22.5 17.1 25.7
265 20.6 17.4 26.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 3.148 ng
RT: 17.009 min Scan# 2119
Delta R.T. -0.024 min
Lab File: BF144338.D
Acq: 24 Nov 2025 22:14

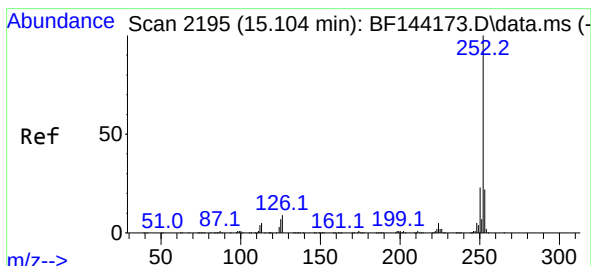
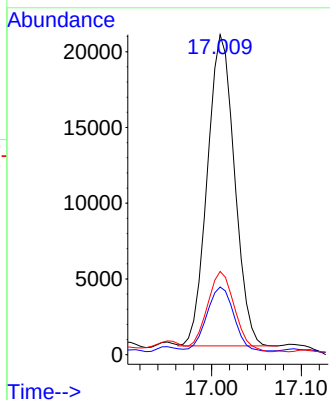
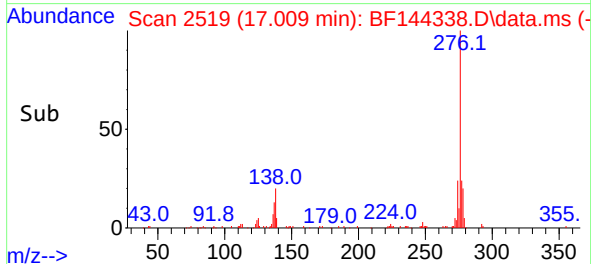
Instrument :
BNA_F
ClientSampleId :
VNJ-222



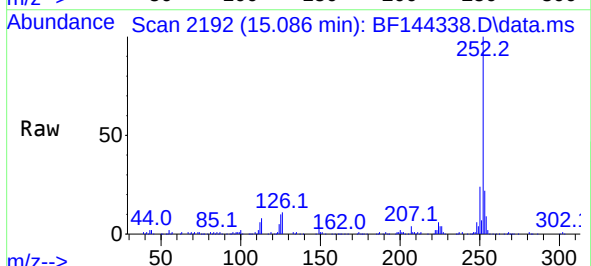
Tgt Ion:276 Resp: 43149
Ion Ratio Lower Upper
276 100
138 23.6 13.9 20.9
277 26.2 19.8 29.6

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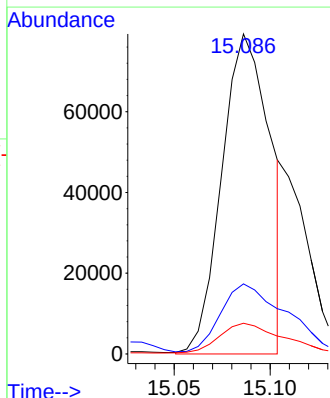
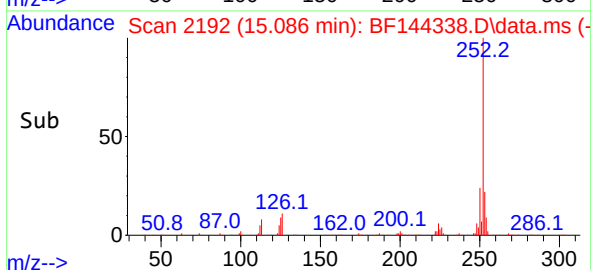
Reviewed By :Jagrut Upadhyay 11/25/2025
Supervised By :mohammad ahmed 11/26/2025

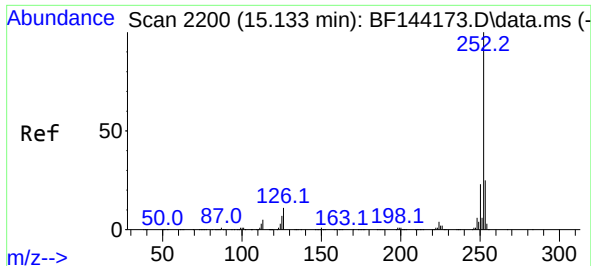


#88
Benzo(b)fluoranthene
Concen: 12.810 ng m
RT: 15.086 min Scan# 2192
Delta R.T. -0.012 min
Lab File: BF144338.D
Acq: 24 Nov 2025 22:14



Tgt Ion:252 Resp: 139046
Ion Ratio Lower Upper
252 100
253 21.9 17.4 26.2
125 9.6 5.3 7.9





#89

Benzo(k)fluoranthene

Concen: 4.233 ng m

RT: 15.104 min Scan# 2195

Delta R.T. -0.024 min

Lab File: BF144338.D

Acq: 24 Nov 2025 22:14

Instrument :

BNA_F

ClientSampleId :

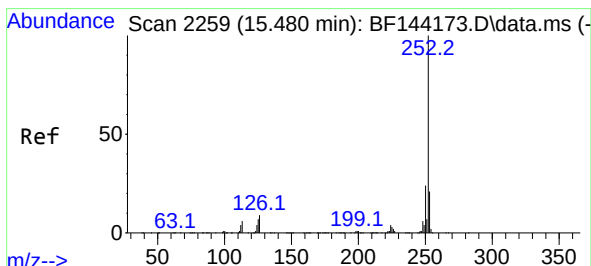
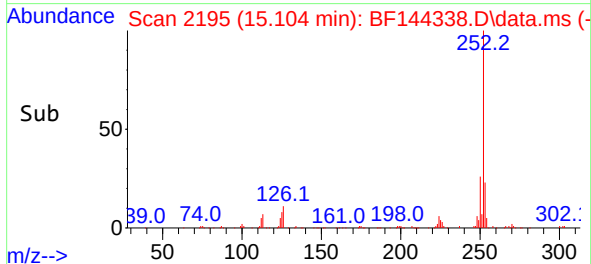
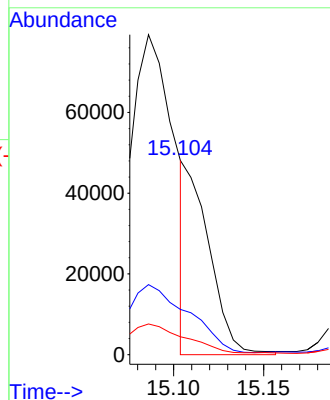
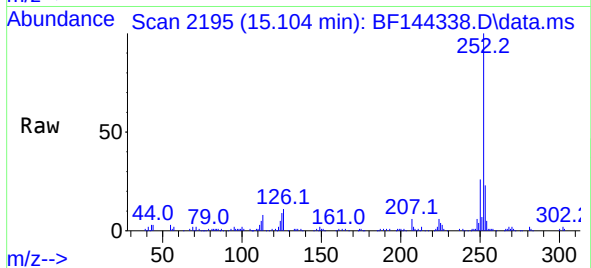
VNJ-222

Tgt Ion:252 Resp: 43000
 Ion Ratio Lower Upper
 252 100
 253 23.3 18.0 27.0
 125 9.2 5.4 8.2

Manual Integrations

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



#90

Benzo(a)pyrene

Concen: 8.168 ng

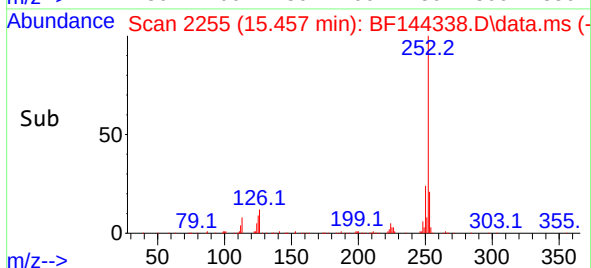
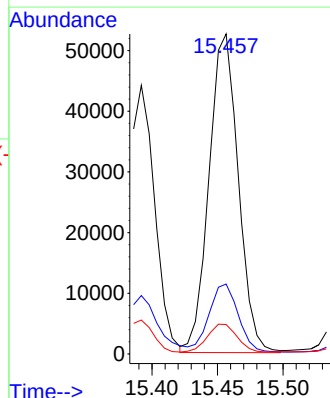
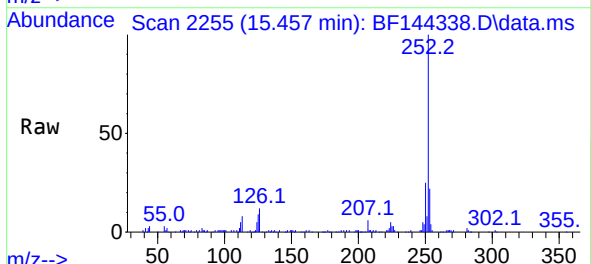
RT: 15.457 min Scan# 2255

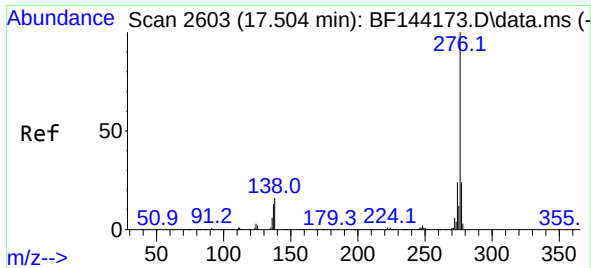
Delta R.T. -0.018 min

Lab File: BF144338.D

Acq: 24 Nov 2025 22:14

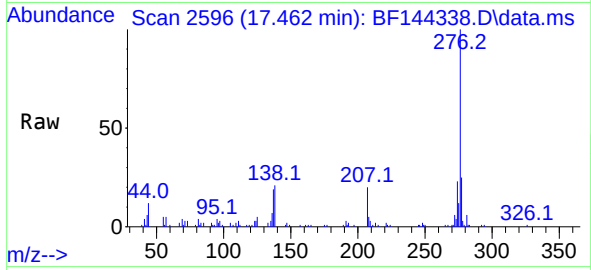
Tgt Ion:252 Resp: 81790
 Ion Ratio Lower Upper
 252 100
 253 21.8 16.7 25.1
 125 9.2 5.7 8.5





#92
 Benzo(g,h,i)perylene
 Concen: 3.827 ng
 RT: 17.462 min Scan# 20
 Delta R.T. -0.030 min
 Lab File: BF144338.D
 Acq: 24 Nov 2025 22:14

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-222



Tgt Ion: 276 Resp: 4159

Ion	Ratio	Lower	Upper
276	100		
277	24.8	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

