

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112025\
 Data File : BF144295.D
 Acq On : 20 Nov 2025 15:30
 Operator : RC/JU
 Sample : Q3669-01 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-11182025

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 11/21/2025
 Supervised By :mohammad ahmed 11/22/2025

Quant Time: Nov 20 15:49:23 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	39401	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	141650	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	71438	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	138272	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	127014	20.000	ng	-0.01
86) Perylene-d12	15.521	264	103141	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	58130	23.087	ng	-0.01
7) Phenol-d6	6.492	99	60657	21.261	ng	0.00
23) Nitrobenzene-d5	7.422	82	35645	14.534	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	17542	19.568	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	72762	15.043	ng	-0.01
79) Terphenyl-d14	12.980	244	99916	12.495	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.416	178	19223	2.792	ng	97
75) Fluoranthene	12.610	202	48050	6.757	ng	95
78) Pyrene	12.839	202	49218	4.806	ng	98
81) Benzo(a)anthracene	14.027	228	27364	3.108	ng	# 89
83) Chrysene	14.063	228	25220	3.103	ng	# 87
88) Benzo(b)fluoranthene	15.092	252	25914m	4.419	ng	
90) Benzo(a)pyrene	15.457	252	17623	3.258	ng	# 80
92) Benzo(g,h,i)perylene	17.474	276	11915	2.029	ng	# 88

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

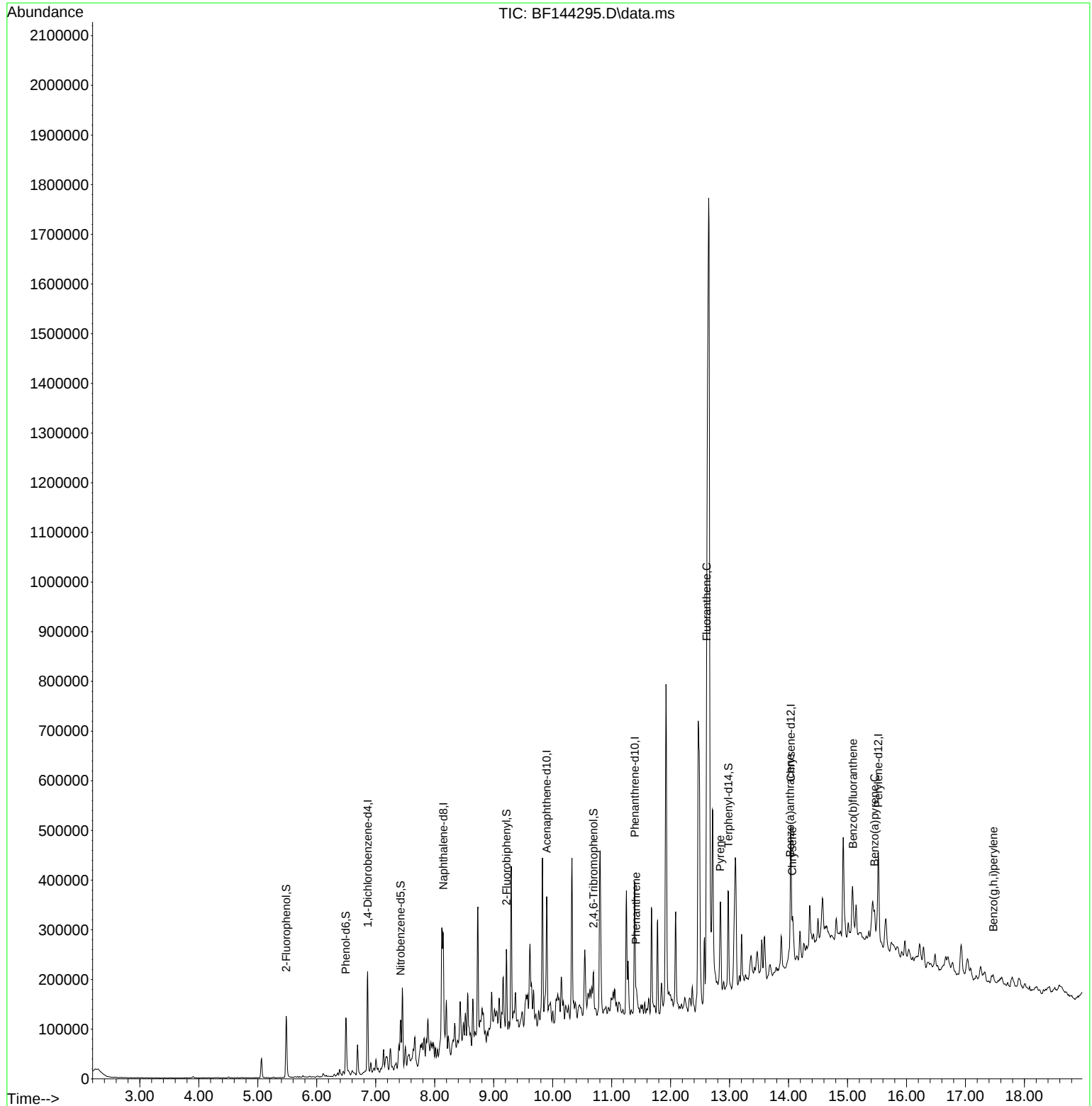
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112025\
Data File : BF144295.D
Acq On : 20 Nov 2025 15:30
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Sample : Q3669-01 5X
Misc :
ALS Vial : 7 Sample Multiplier: 1

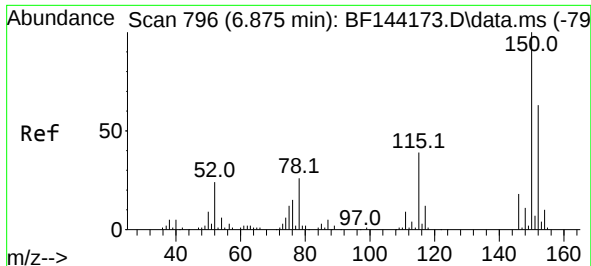
Instrument :
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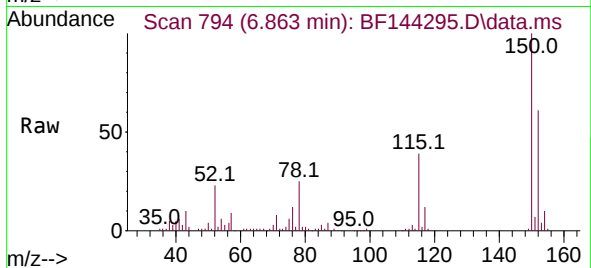
Quant Time: Nov 20 15:49:23 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF144295.D
Acq: 20 Nov 2025 15:30

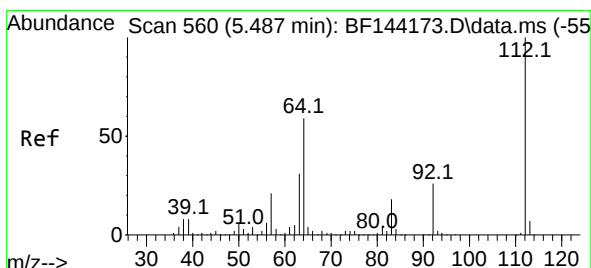
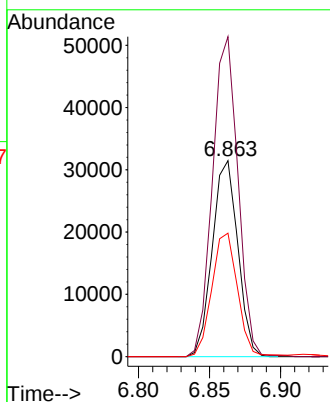
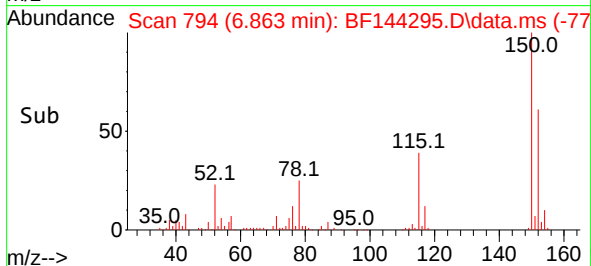
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BNA_F
ClientSampleId :
EO-01-11182025



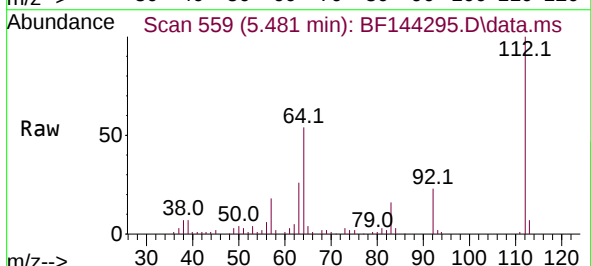
Tgt Ion:152 Resp: 3940
Ion Ratio Lower Upper
152 100
150 163.3 127.4 191.0
115 63.0 49.5 74.3

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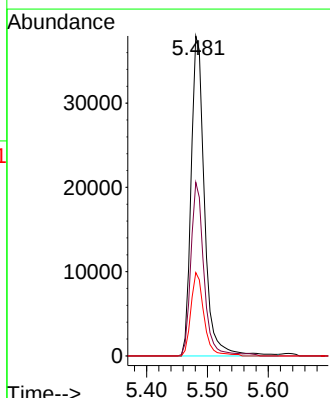
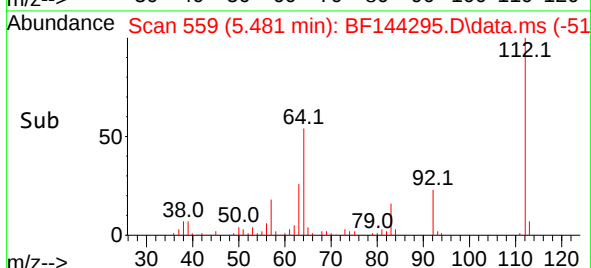
Reviewed By :Jagrut Upadhyay 11/21/2025
Supervised By :mohammad ahmed 11/22/2025

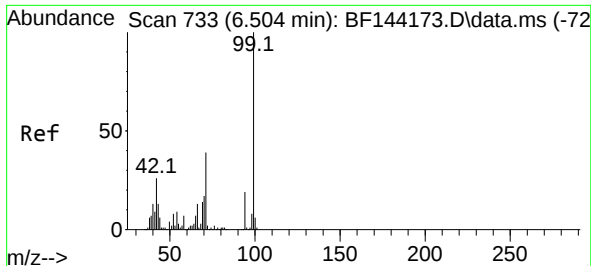


#5
2-Fluorophenol
Concen: 23.087 ng
RT: 5.481 min Scan# 559
Delta R.T. -0.012 min
Lab File: BF144295.D
Acq: 20 Nov 2025 15:30



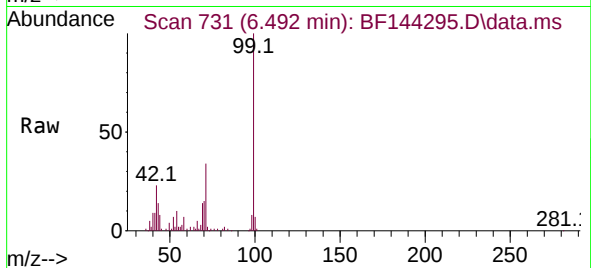
Tgt Ion:112 Resp: 58130
Ion Ratio Lower Upper
112 100
64 54.2 47.2 70.8
63 26.0 24.4 36.6





#7
Phenol-d6
Concen: 21.261 ng
RT: 6.492 min Scan# 731
Delta R.T. -0.006 min
Lab File: BF144295.D
Acq: 20 Nov 2025 15:30

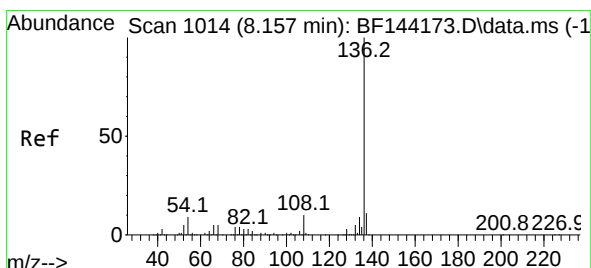
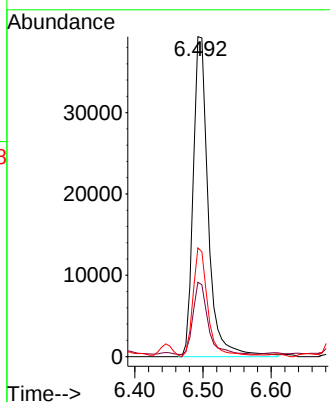
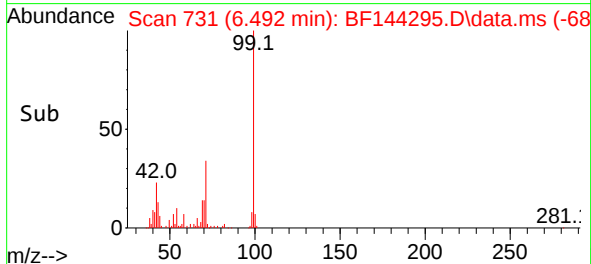
Instrument :
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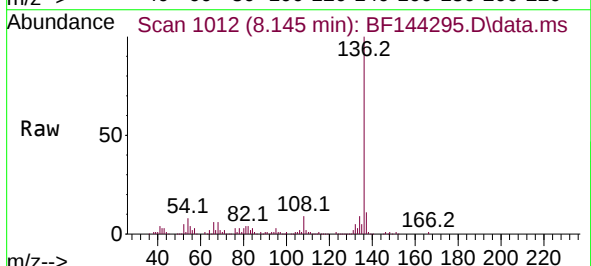
Tgt Ion: 99 Resp: 60652
Ion Ratio Lower Upper
99 100
42 23.2 20.9 31.3
71 34.0 31.4 47.2

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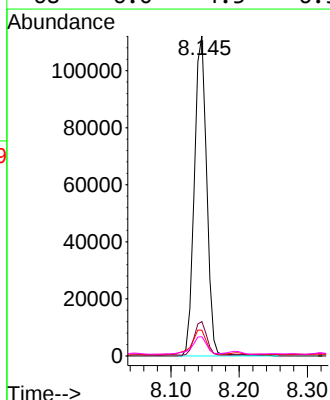
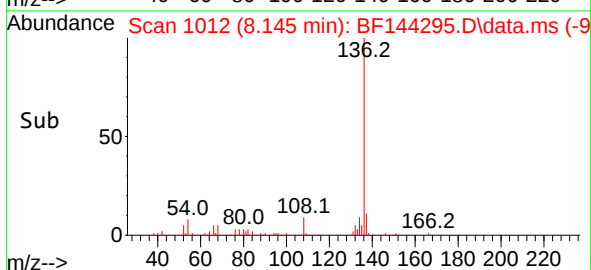
Reviewed By :Jagrut Upadhyay 11/21/2025
Supervised By :mohammad ahmed 11/22/2025

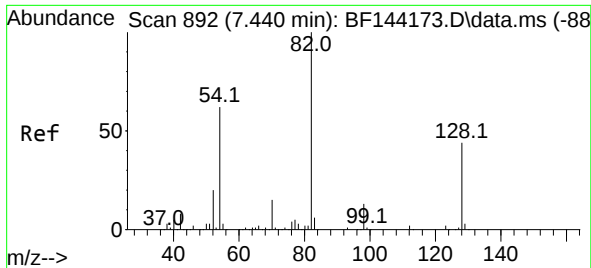


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF144295.D
Acq: 20 Nov 2025 15:30



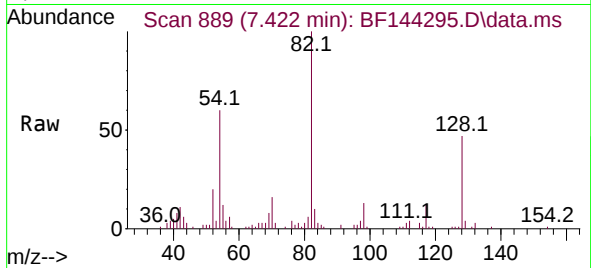
Tgt Ion:136 Resp: 141650
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.0 7.0 10.6
68 6.0 4.3 6.5





#23
Nitrobenzene-d5
Concen: 14.534 ng
RT: 7.422 min Scan# 889
Delta R.T. -0.012 min
Lab File: BF144295.D
Acq: 20 Nov 2025 15:30

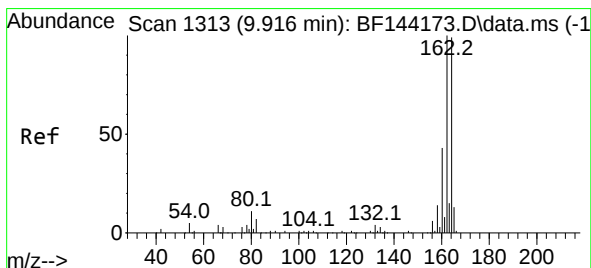
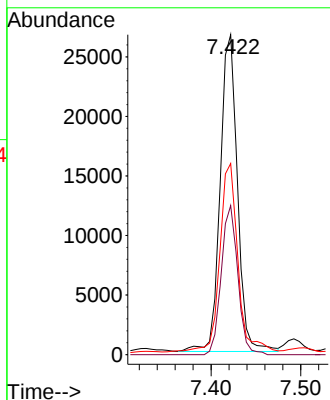
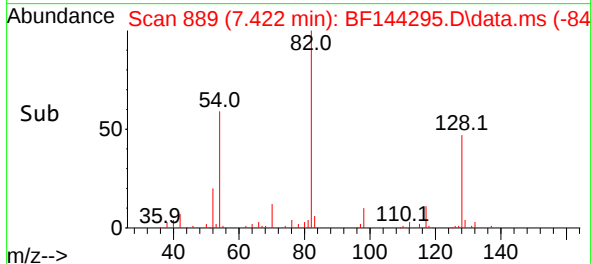
Instrument :
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ClientSampleId :
EO-01-11182025



Tgt Ion: 82 Resp: 35645
Ion Ratio Lower Upper
82 100
128 46.6 34.7 52.1
54 59.7 49.5 74.3

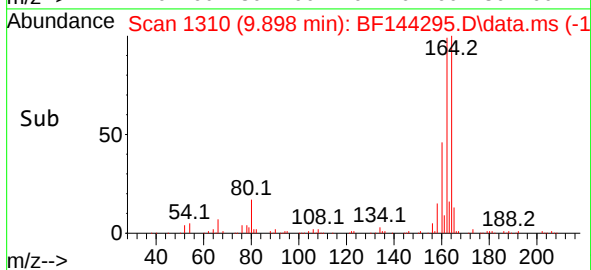
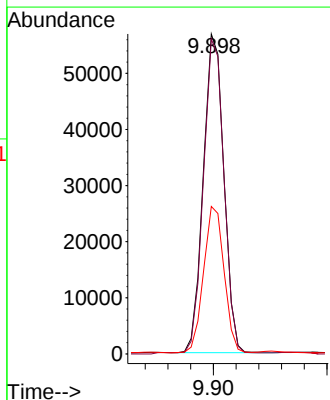
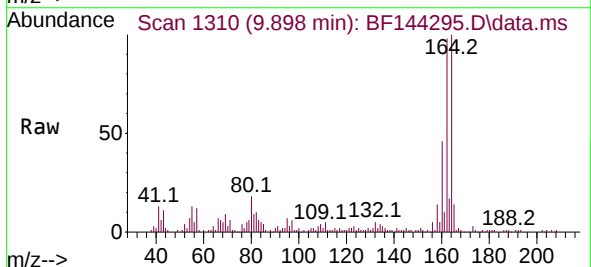
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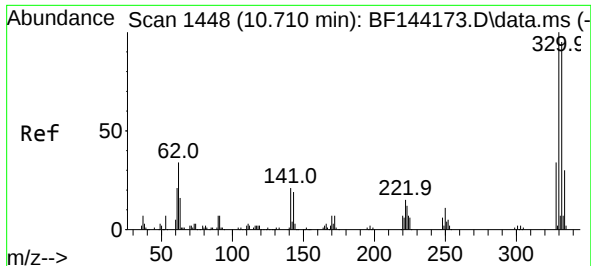
Reviewed By :Jagrut Upadhyay 11/21/2025
Supervised By :mohammad ahmed 11/22/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1310
Delta R.T. -0.018 min
Lab File: BF144295.D
Acq: 20 Nov 2025 15:30

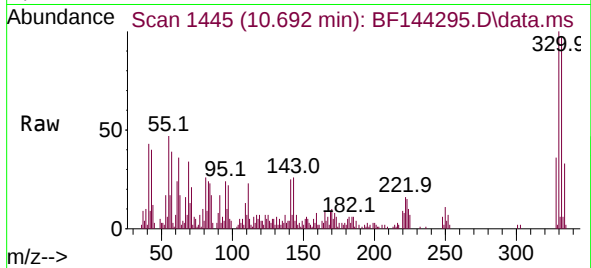
Tgt Ion:164 Resp: 71438
Ion Ratio Lower Upper
164 100
162 98.4 81.1 121.7
160 46.1 34.5 51.7





#42
2,4,6-Tribromophenol
Concen: 19.568 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF144295.D
Acq: 20 Nov 2025 15:30

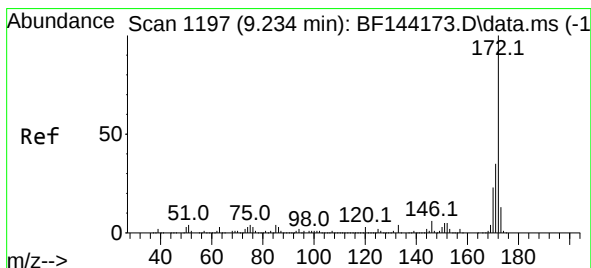
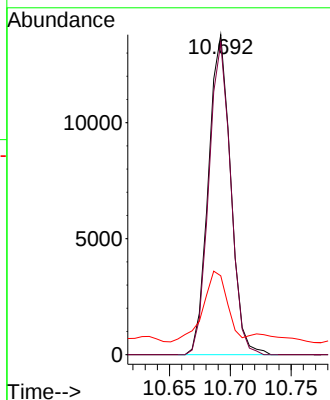
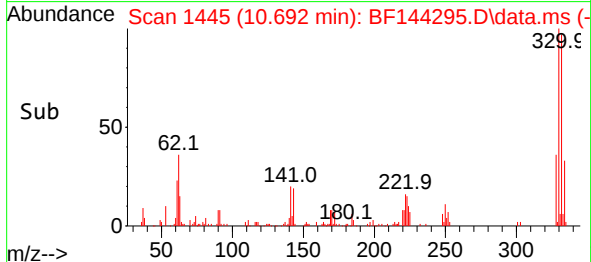
Instrument :
BNA_F
ClientSampleId :
EO-01-11182025



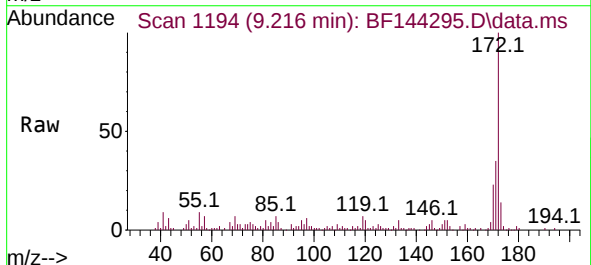
Tgt Ion: 330 Resp: 17542
Ion Ratio Lower Upper
330 100
332 95.7 76.7 115.1
141 24.6 17.8 26.8

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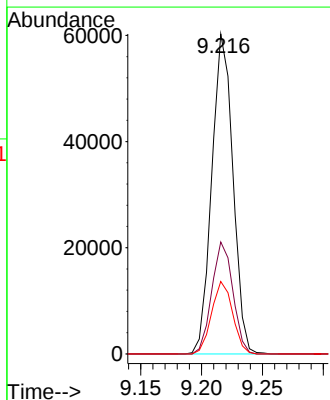
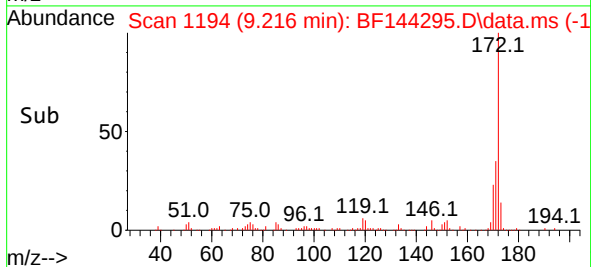
Reviewed By : Jagrut Upadhyay 11/21/2025
Supervised By : mohammad ahmed 11/22/2025

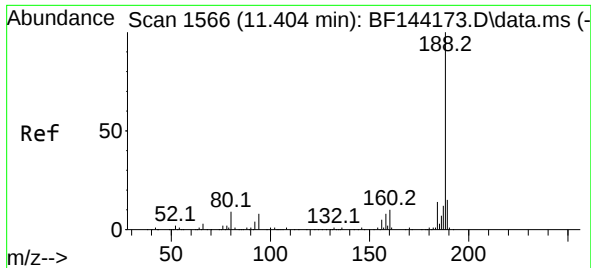


#45
2-Fluorobiphenyl
Concen: 15.043 ng
RT: 9.216 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF144295.D
Acq: 20 Nov 2025 15:30



Tgt Ion: 172 Resp: 72762
Ion Ratio Lower Upper
172 100
171 35.0 28.1 42.1
170 22.6 18.6 28.0





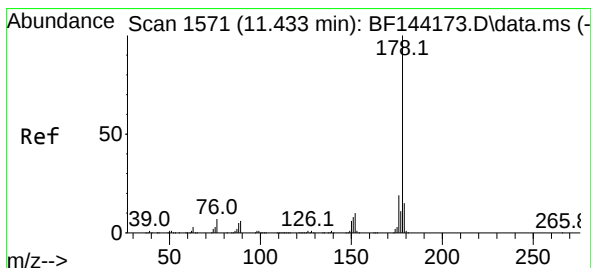
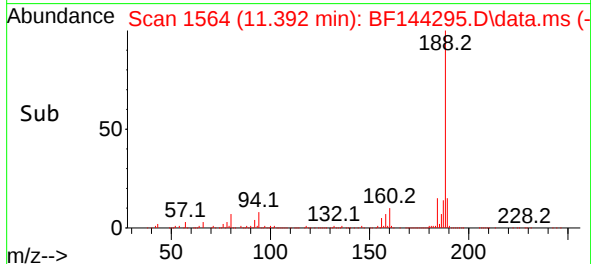
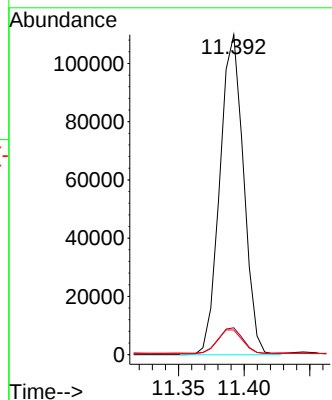
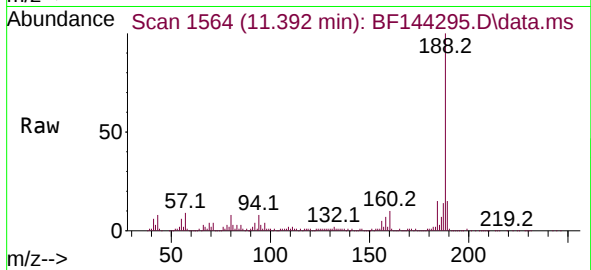
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144295.D
Acq: 20 Nov 2025 15:30

Instrument :
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ClientSampleId :
EO-01-11182025

Tgt Ion:188 Resp: 138272
Ion Ratio Lower Upper
188 100
94 8.4 6.2 9.2
80 7.7 6.9 10.3

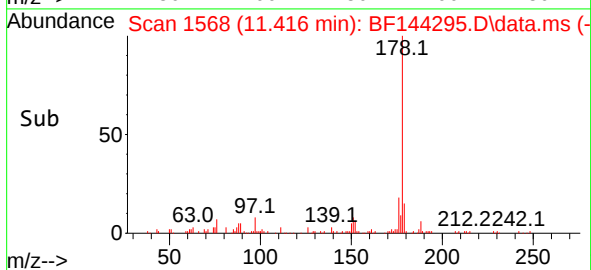
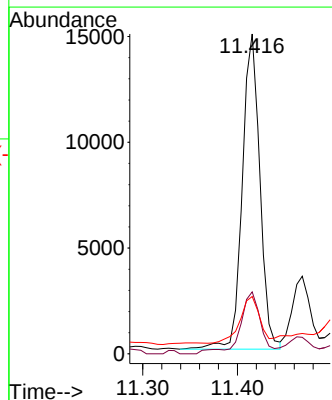
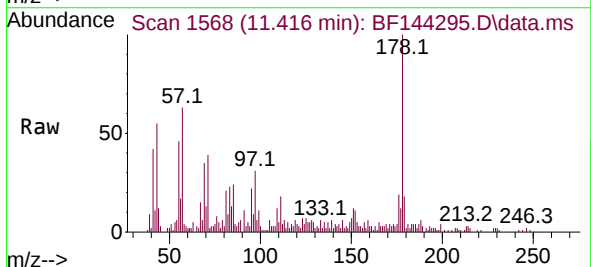
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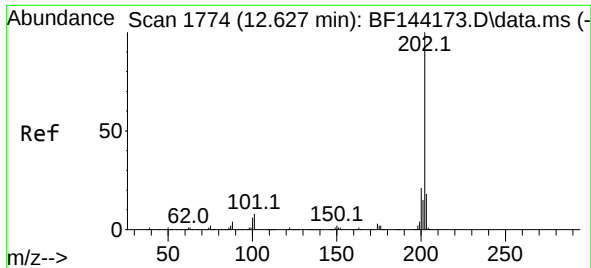
Reviewed By :Jagrut Upadhyay 11/21/2025
Supervised By :mohammad ahmed 11/22/2025



#71
Phenanthrene
Concen: 2.792 ng
RT: 11.416 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF144295.D
Acq: 20 Nov 2025 15:30

Tgt Ion:178 Resp: 19223
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 17.9 12.2 18.4





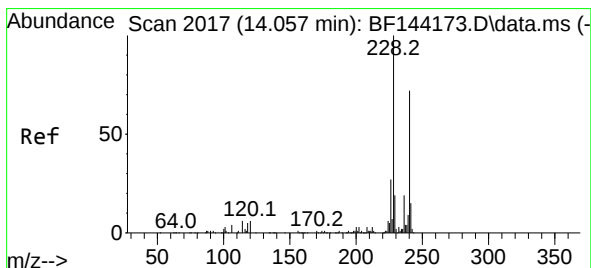
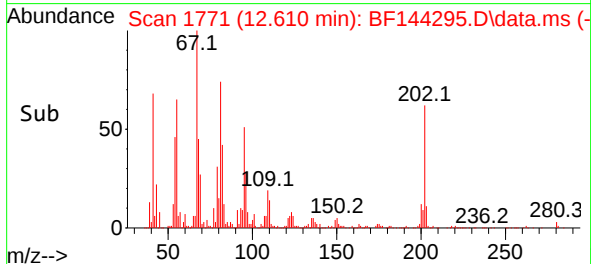
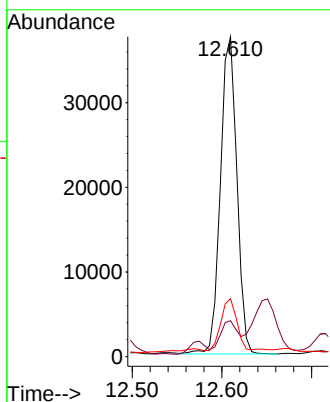
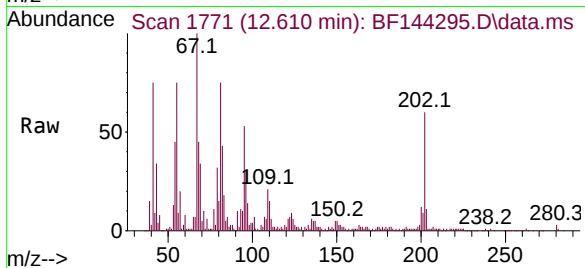
#75
Fluoranthene
Concen: 6.757 ng
RT: 12.610 min Scan# 1771
Delta R.T. -0.012 min
Lab File: BF144295.D
Acq: 20 Nov 2025 15:30

Instrument :
BNA_F
ClientSampleId :
EO-01-11182025

Tgt Ion:202 Resp: 48050
Ion Ratio Lower Upper
202 100
101 12.8 0.0 27.9
203 18.1 0.0 37.5

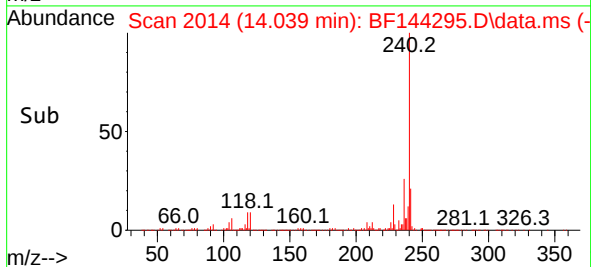
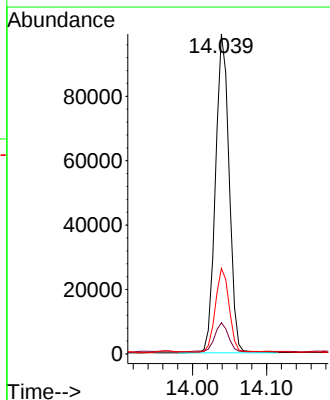
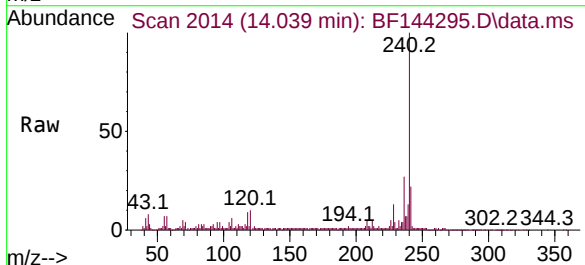
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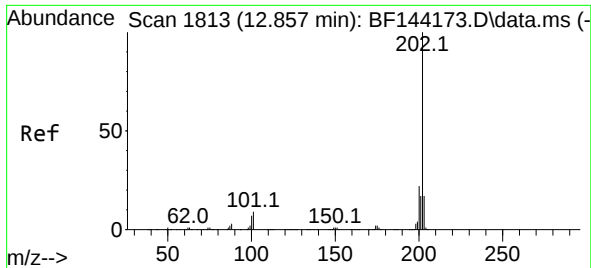
Reviewed By :Jagrut Upadhyay 11/21/2025
Supervised By :mohammad ahmed 11/22/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF144295.D
Acq: 20 Nov 2025 15:30

Tgt Ion:240 Resp: 127014
Ion Ratio Lower Upper
240 100
120 9.7 6.6 10.0
236 26.7 21.4 32.2





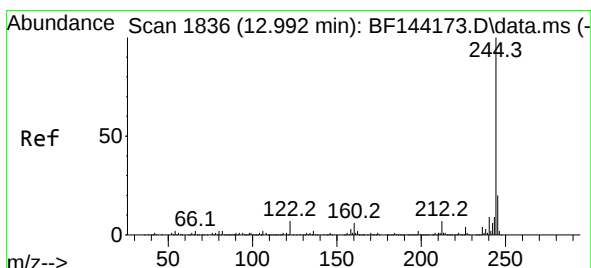
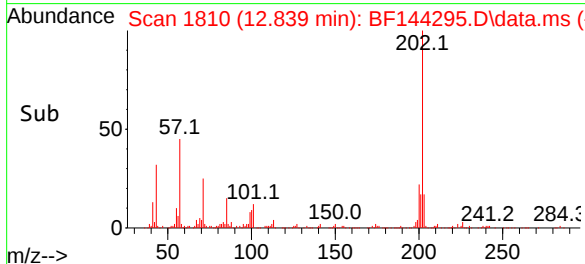
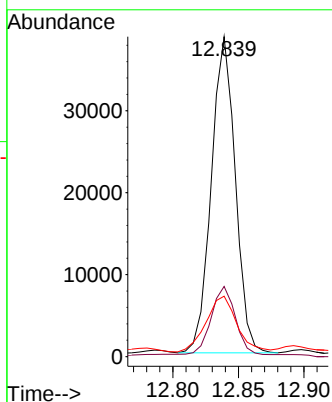
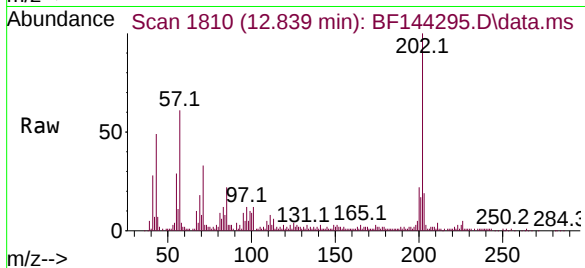
#78
Pyrene
Concen: 4.806 ng
RT: 12.839 min Scan# 1810
Delta R.T. -0.012 min
Lab File: BF144295.D
Acq: 20 Nov 2025 15:30

Instrument :
BNA_F
ClientSampleId :
EO-01-11182025

Tgt Ion:202 Resp: 49218
Ion Ratio Lower Upper
202 100
200 21.9 17.2 25.8
203 18.9 13.7 20.5

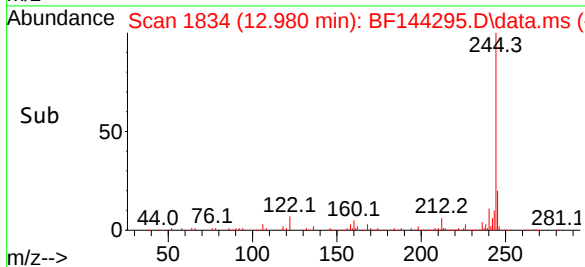
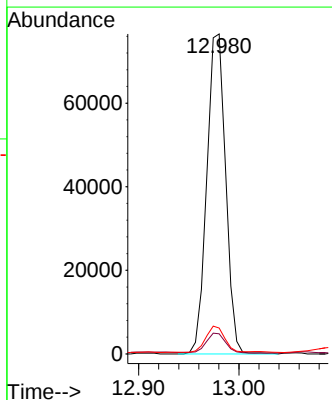
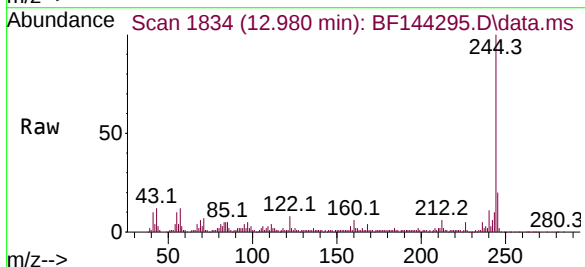
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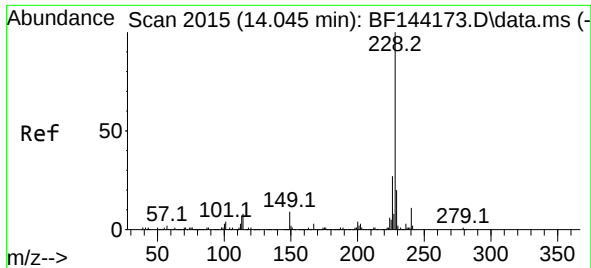
Reviewed By :Jagrut Upadhyay 11/21/2025
Supervised By :mohammad ahmed 11/22/2025



#79
Terphenyl-d14
Concen: 12.495 ng
RT: 12.980 min Scan# 1834
Delta R.T. -0.012 min
Lab File: BF144295.D
Acq: 20 Nov 2025 15:30

Tgt Ion:244 Resp: 99916
Ion Ratio Lower Upper
244 100
212 6.3 5.3 7.9
122 8.1 5.6 8.4





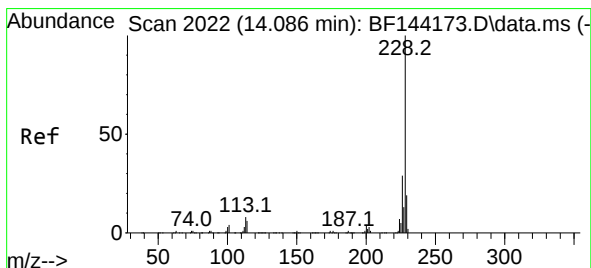
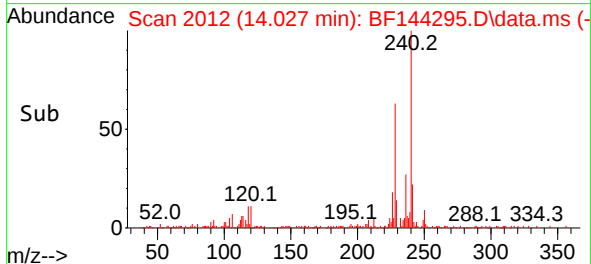
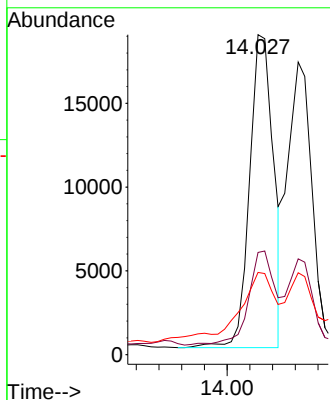
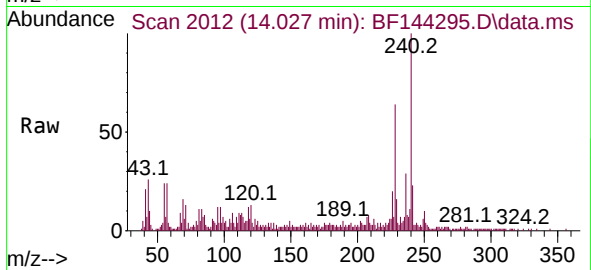
#81
Benzo(a)anthracene
Concen: 3.108 ng
RT: 14.027 min Scan# 2012
Delta R.T. -0.018 min
Lab File: BF144295.D
Acq: 20 Nov 2025 15:30

Instrument : BNA_F
ClientSampleId : EO-01-11182025

Tgt Ion:228 Resp: 27364
Ion Ratio Lower Upper
228 100
226 31.9 21.8 32.8
229 25.7 15.8 23.6

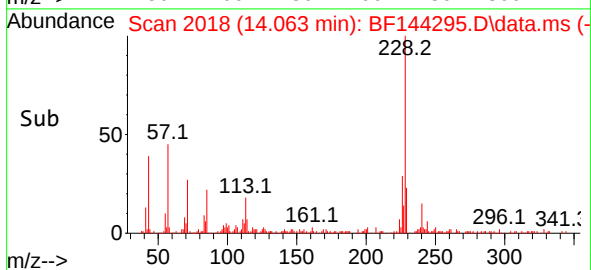
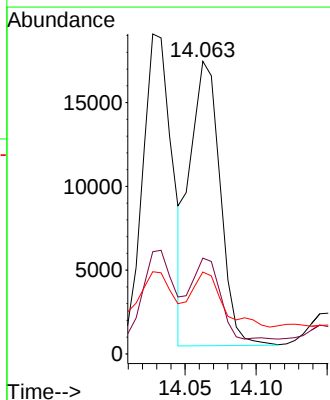
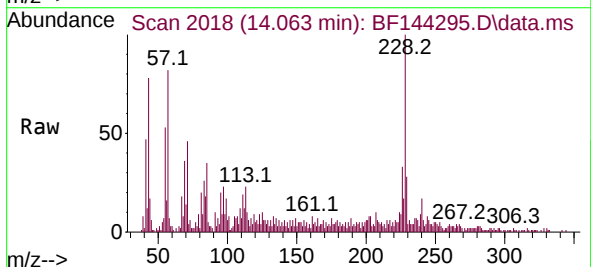
Manual Integrations
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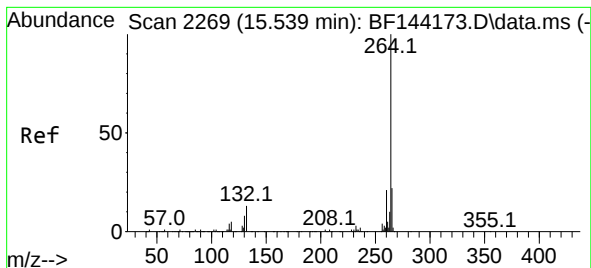
Reviewed By :Jagrut Upadhyay 11/21/2025
Supervised By :mohammad ahmed 11/22/2025



#83
Chrysene
Concen: 3.103 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.018 min
Lab File: BF144295.D
Acq: 20 Nov 2025 15:30

Tgt Ion:228 Resp: 25220
Ion Ratio Lower Upper
228 100
226 32.7 22.9 34.3
229 28.0 15.0 22.6





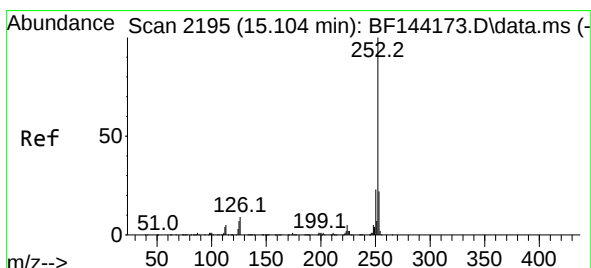
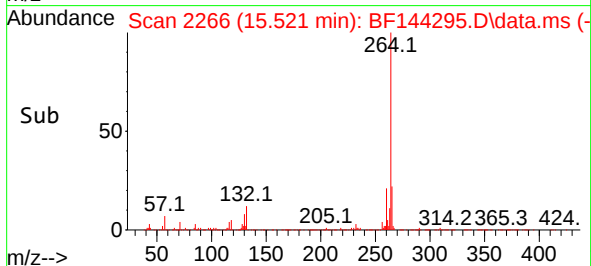
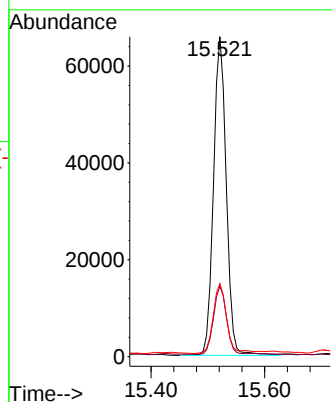
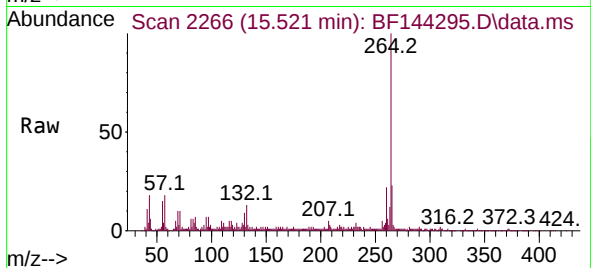
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2119
Delta R.T. -0.018 min
Lab File: BF144295.D
Acq: 20 Nov 2025 15:30

Instrument :
BNA_F
ClientSampleId :
EO-01-11182025

Tgt Ion:264 Resp: 10314
Ion Ratio Lower Upper
264 100
260 22.0 17.1 25.7
265 22.8 17.4 26.0

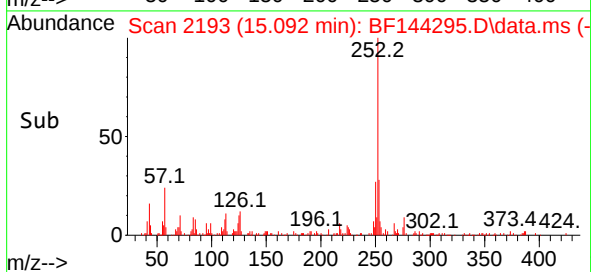
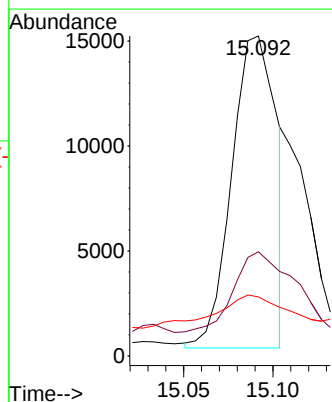
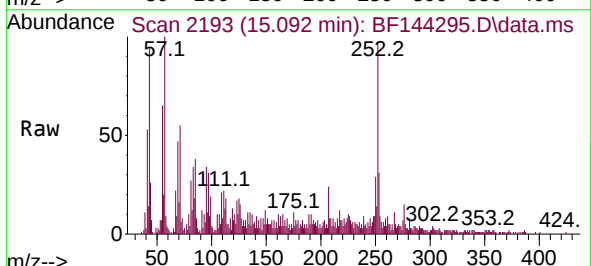
Manual Integrations
APPROVED

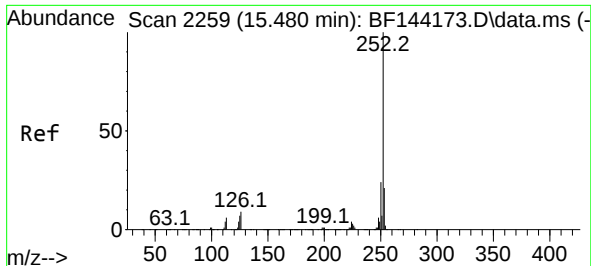
Reviewed By :Jagrut Upadhyay 11/21/2025
Supervised By :mohammad ahmed 11/22/2025



#88
Benzo(b)fluoranthene
Concen: 4.419 ng m
RT: 15.092 min Scan# 2193
Delta R.T. -0.006 min
Lab File: BF144295.D
Acq: 20 Nov 2025 15:30

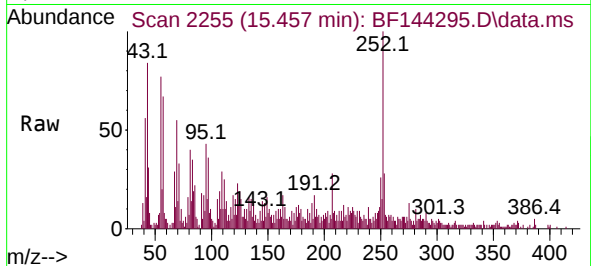
Tgt Ion:252 Resp: 25914
Ion Ratio Lower Upper
252 100
253 32.5 17.4 26.2#
125 18.4 5.3 7.9#





#90
Benzo(a)pyrene
Concen: 3.258 ng
RT: 15.457 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF144295.D
Acq: 20 Nov 2025 15:30

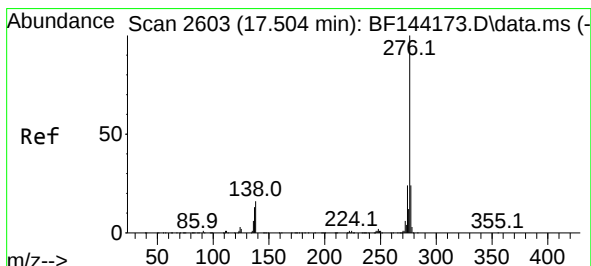
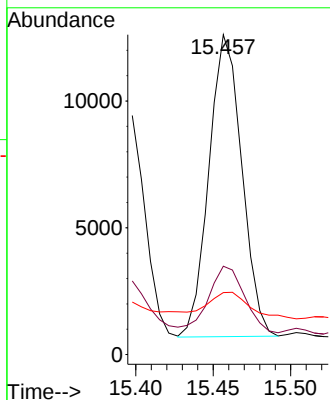
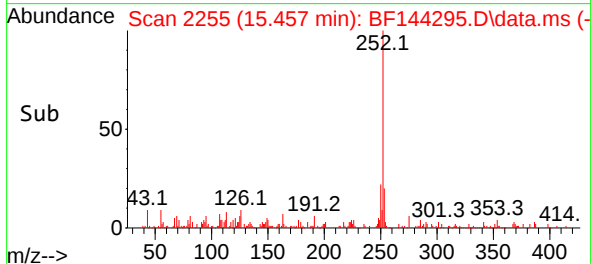
Instrument :
BNA_F
ClientSampleId :
EO-01-11182025



Tgt Ion:252 Resp: 17623
Ion Ratio Lower Upper
252 100
253 27.6 16.7 25.1
125 19.4 5.7 8.5

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/21/2025
Supervised By :mohammad ahmed 11/22/2025



#92
Benzo(g,h,i)perylene
Concen: 2.029 ng
RT: 17.474 min Scan# 2598
Delta R.T. -0.018 min
Lab File: BF144295.D
Acq: 20 Nov 2025 15:30

Tgt Ion:276 Resp: 11915
Ion Ratio Lower Upper
276 100
277 26.8 19.0 28.4
138 25.0 12.9 19.3

