

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112425\
 Data File : BF144336.D
 Acq On : 24 Nov 2025 21:15
 Operator : RC/JU
 Sample : Q3711-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-12017

Manual Integrations
 APPROVED

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

Quant Time: Nov 25 00:29:41 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	55500	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	193888	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	92966	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	141804	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	147553	20.000	ng	-0.01
86) Perylene-d12	15.521	264	193139	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	265046	74.732	ng	-0.01
7) Phenol-d6	6.492	99	294817	73.363	ng	0.00
23) Nitrobenzene-d5	7.422	82	177713	52.937	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	64693	55.454	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	352342	55.976	ng	-0.01
79) Terphenyl-d14	12.974	244	330970	35.629	ng	-0.02
Target Compounds						Qvalue
75) Fluoranthene	12.610	202	45194	6.197	ng	98
78) Pyrene	12.839	202	44179	3.713	ng	98
81) Benzo(a)anthracene	14.027	228	40599	3.970	ng	98
83) Chrysene	14.063	228	38957	4.127	ng	96
85) Di-n-octyl phthalate	14.663	149	43894	4.507	ng	# 47
88) Benzo(b)fluoranthene	15.086	252	56997m	5.191	ng	
90) Benzo(a)pyrene	15.457	252	35533	3.508	ng	# 94

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

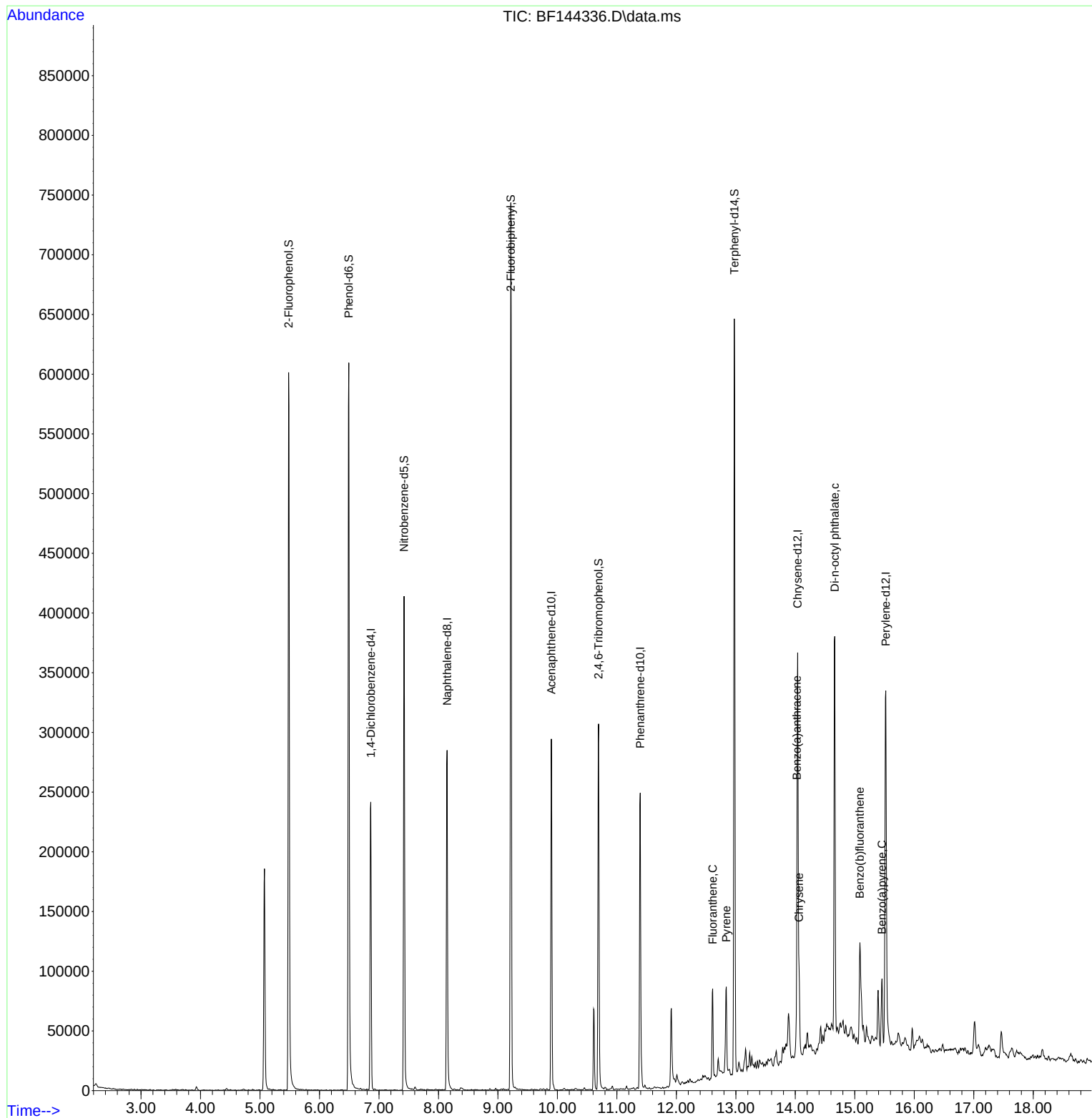
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112425\
Data File : BF144336.D
Acq On : 24 Nov 2025 21:15
Operator : RC/JU
Sample : Q3711-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

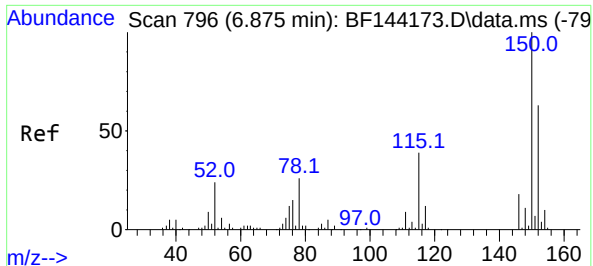
Instrument :
BNA_F
ClientSampleId :
72-12017

Quant Time: Nov 25 00:29:41 2025
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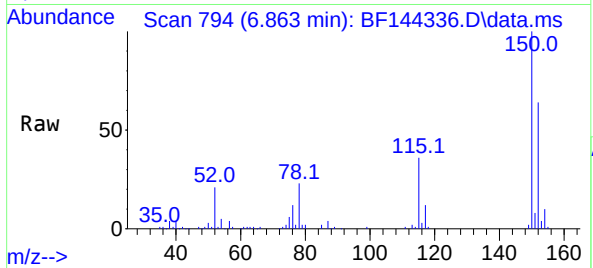
Reviewed By :Jagrut Upadhyay 11/25/2025
Supervised By :mohammad ahmed 11/26/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF144336.D
Acq: 24 Nov 2025 21:15

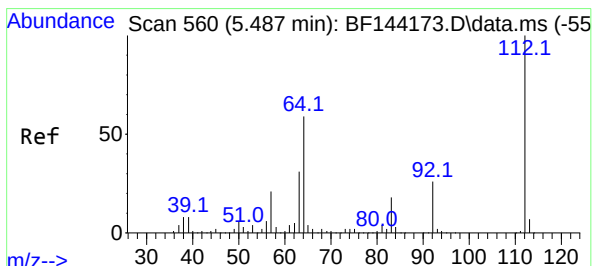
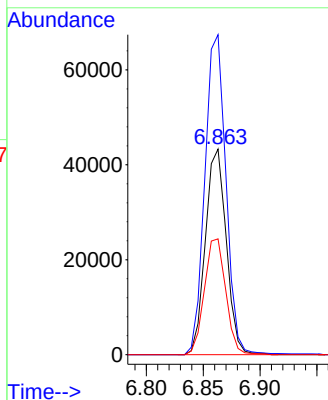
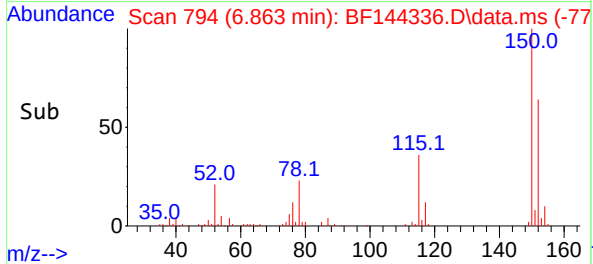
Instrument :
BNA_F
ClientSampleId :
72-12017



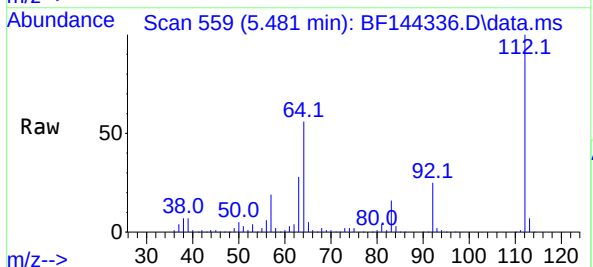
Tgt Ion:152 Resp: 55500
Ion Ratio Lower Upper
152 100
150 155.6 127.4 191.0
115 56.3 49.5 74.3

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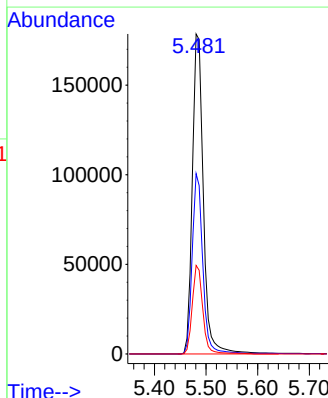
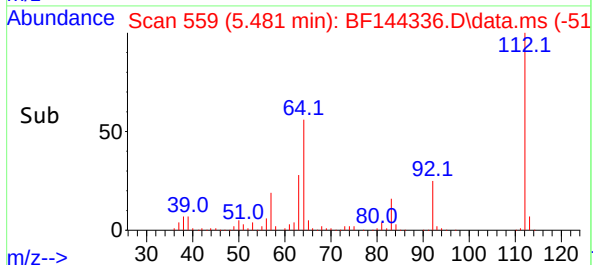
Reviewed By :Jagrut Upadhyay 11/25/2025
Supervised By :mohammad ahmed 11/26/2025

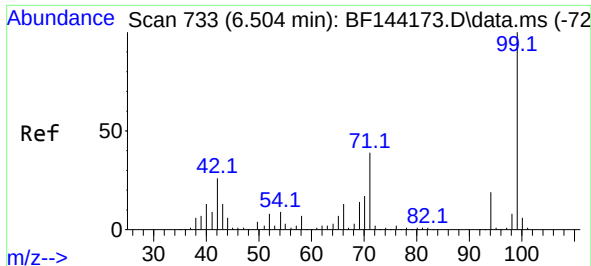


#5
2-Fluorophenol
Concen: 74.732 ng
RT: 5.481 min Scan# 559
Delta R.T. -0.012 min
Lab File: BF144336.D
Acq: 24 Nov 2025 21:15



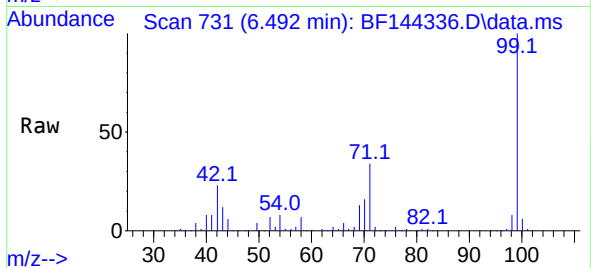
Tgt Ion:112 Resp: 265046
Ion Ratio Lower Upper
112 100
64 56.4 47.2 70.8
63 27.7 24.4 36.6





#7
Phenol-d6
Concen: 73.363 ng
RT: 6.492 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF144336.D
Acq: 24 Nov 2025 21:15

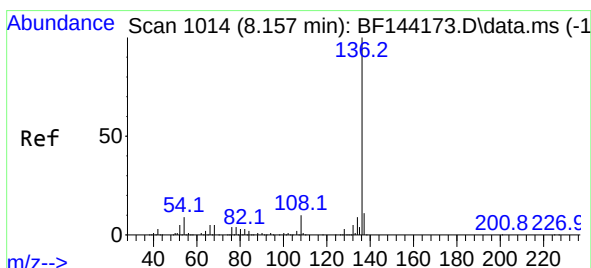
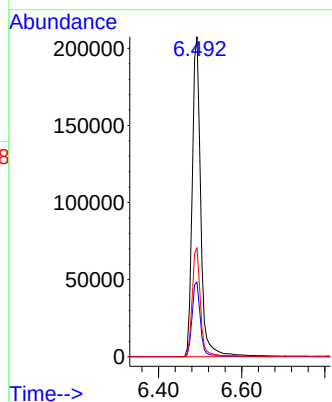
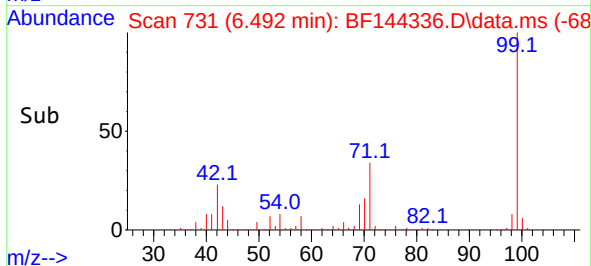
Instrument :
BNA_F
ClientSampleId :
72-12017



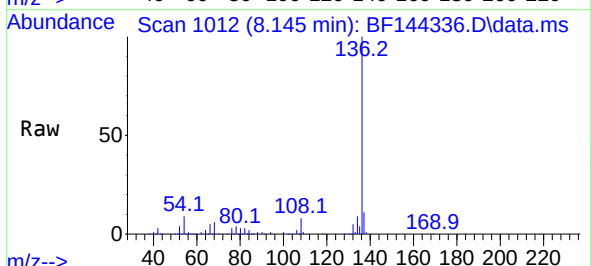
Tgt Ion: 99 Resp: 29481
Ion Ratio Lower Upper
99 100
42 23.2 20.9 31.3
71 33.9 31.4 47.2

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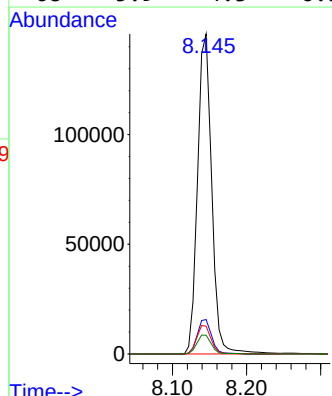
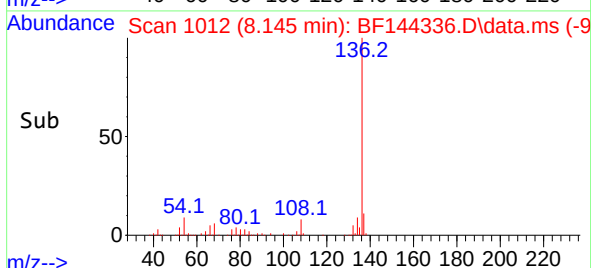
Reviewed By :Jagrut Upadhyay 11/25/2025
Supervised By :mohammad ahmed 11/26/2025

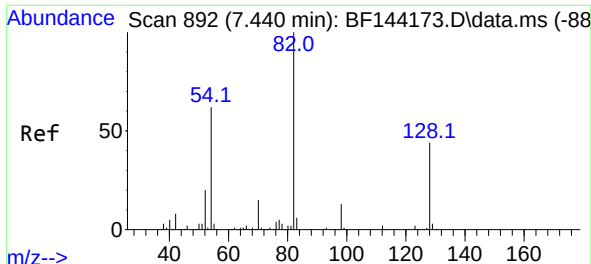


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF144336.D
Acq: 24 Nov 2025 21:15



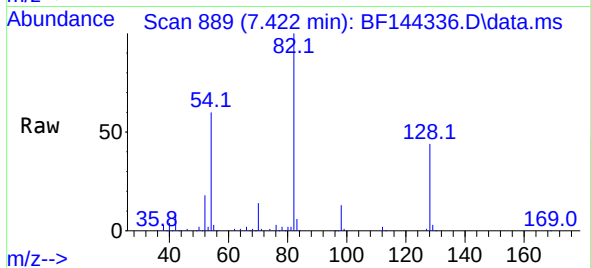
Tgt Ion:136 Resp: 193888
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.7 7.0 10.6
68 5.9 4.3 6.5





#23
Nitrobenzene-d5
Concen: 52.937 ng
RT: 7.422 min Scan# 892
Delta R.T. -0.012 min
Lab File: BF144336.D
Acq: 24 Nov 2025 21:15

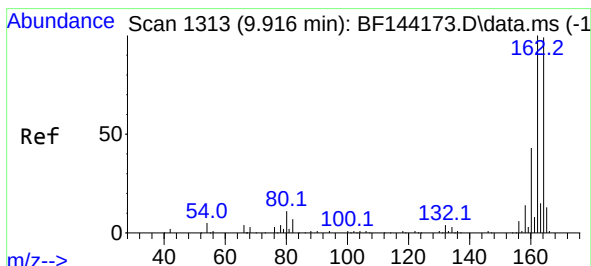
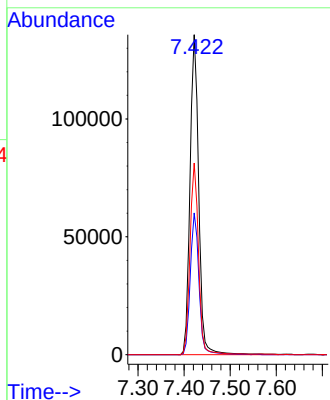
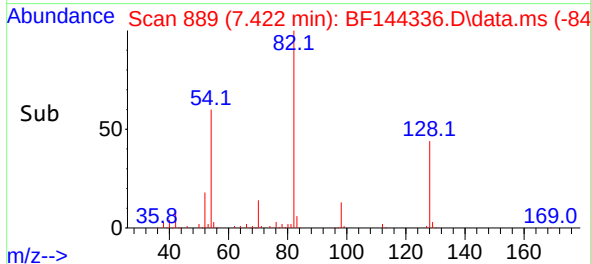
Instrument :
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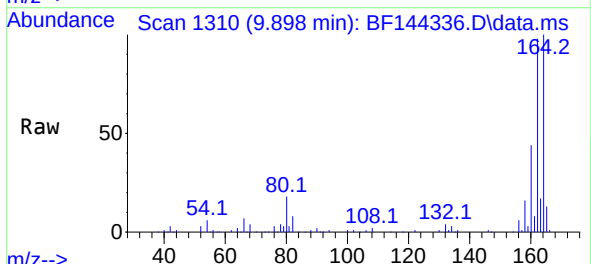
Tgt Ion: 82 Resp: 17771
Ion Ratio Lower Upper
82 100
128 44.3 34.7 52.1
54 59.9 49.5 74.3

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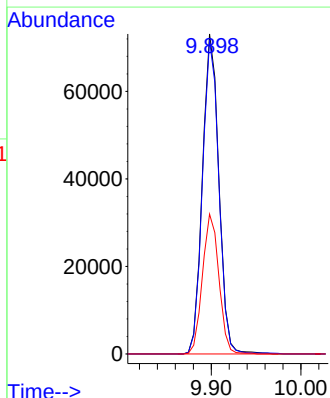
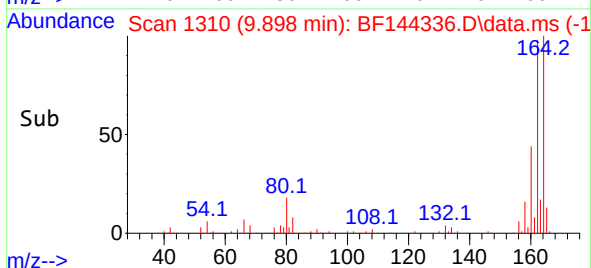
Reviewed By :Jagrut Upadhyay 11/25/2025
Supervised By :mohammad ahmed 11/26/2025

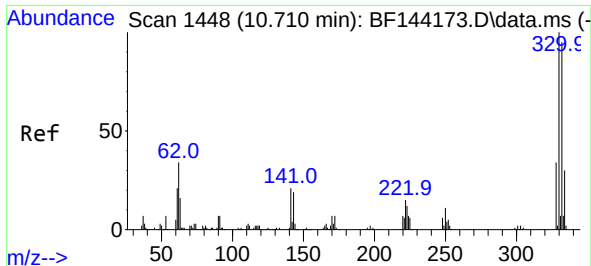


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1310
Delta R.T. -0.018 min
Lab File: BF144336.D
Acq: 24 Nov 2025 21:15



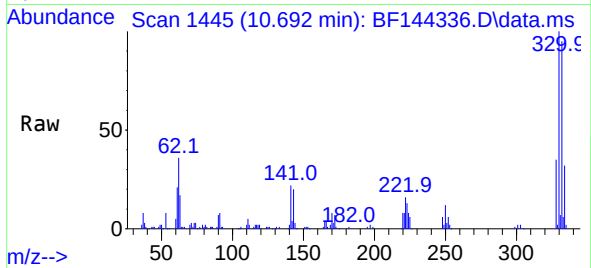
Tgt Ion:164 Resp: 92966
Ion Ratio Lower Upper
164 100
162 98.0 81.1 121.7
160 43.7 34.5 51.7





#42
2,4,6-Tribromophenol
Concen: 55.454 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF144336.D
Acq: 24 Nov 2025 21:15

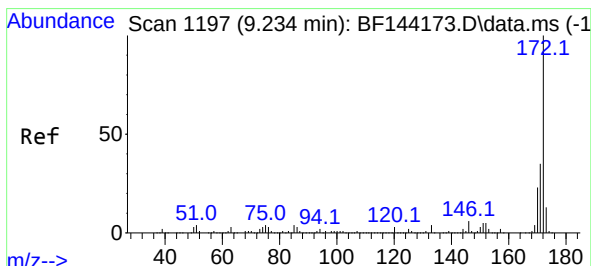
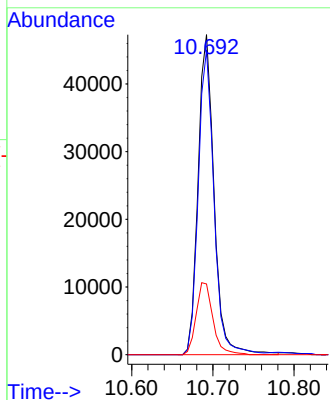
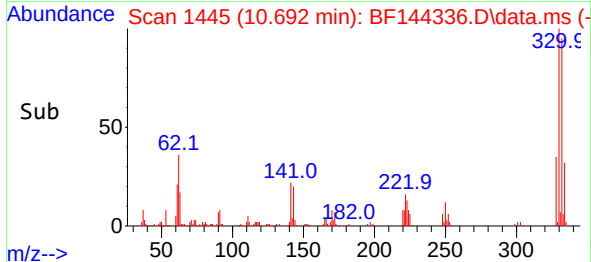
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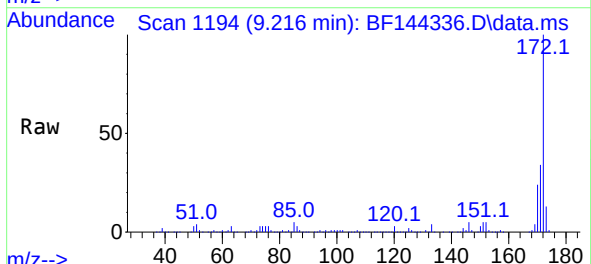
Tgt Ion: 330 Resp: 6469
Ion Ratio Lower Upper
330 100
332 93.8 76.7 115.1
141 23.7 17.8 26.8

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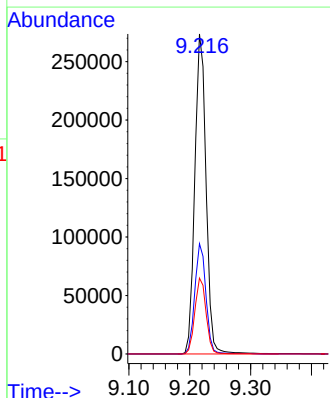
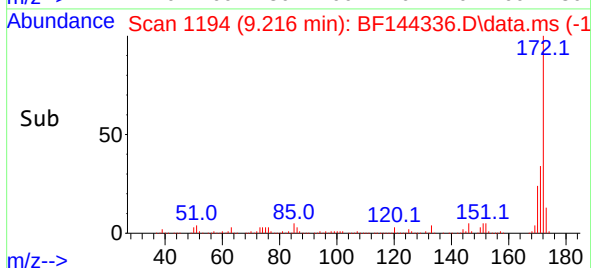
Reviewed By : Jagrut Upadhyay 11/25/2025
Supervised By : mohammad ahmed 11/26/2025

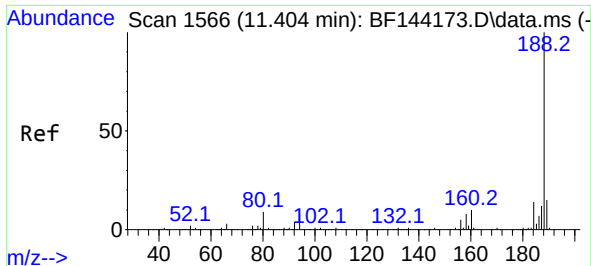


#45
2-Fluorobiphenyl
Concen: 55.976 ng
RT: 9.216 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF144336.D
Acq: 24 Nov 2025 21:15



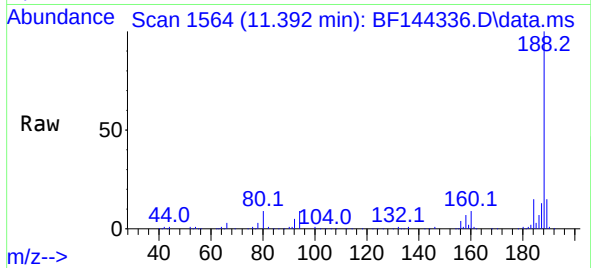
Tgt Ion: 172 Resp: 352342
Ion Ratio Lower Upper
172 100
171 34.4 28.1 42.1
170 23.7 18.6 28.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144336.D
Acq: 24 Nov 2025 21:15

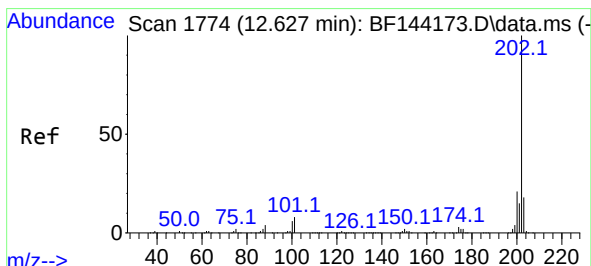
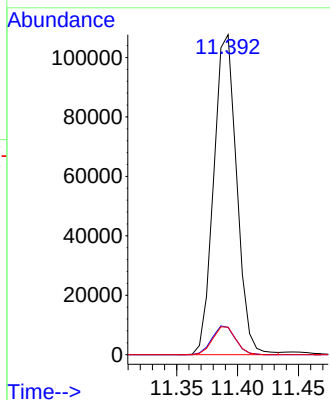
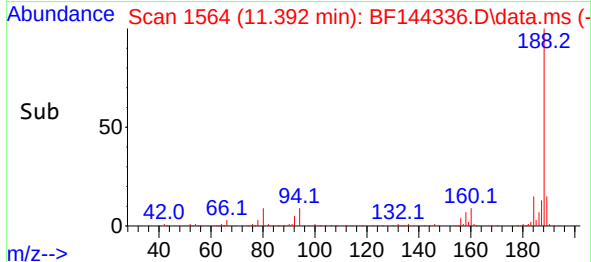
Instrument :
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Tgt Ion:188 Resp: 141804
Ion Ratio Lower Upper
188 100
94 8.5 6.2 9.2
80 8.6 6.9 10.3

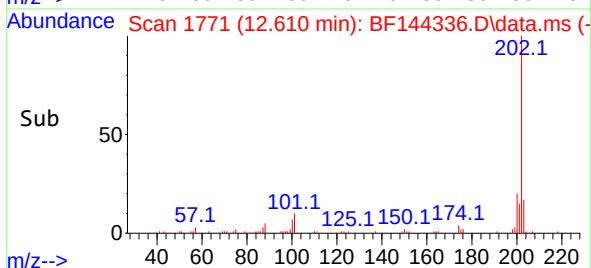
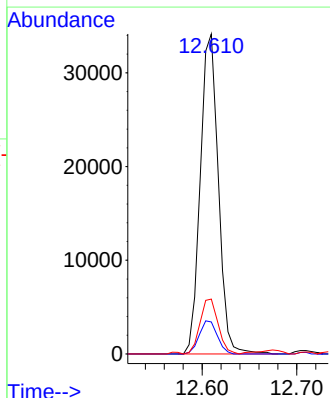
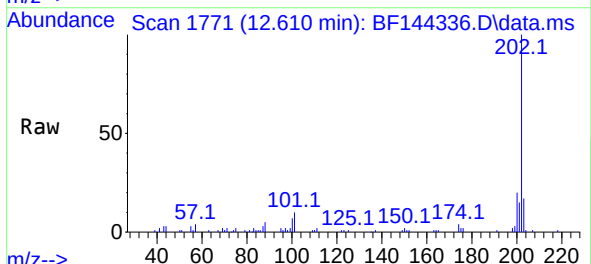
Manual Integrations
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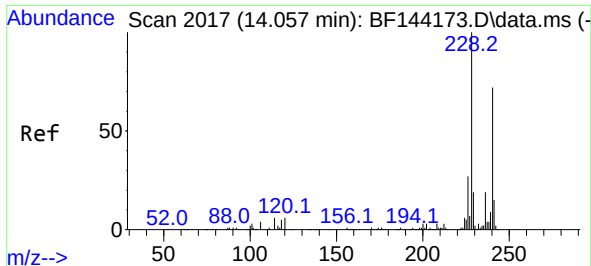
Reviewed By :Jagrut Upadhyay 11/25/2025
Supervised By :mohammad ahmed 11/26/2025



#75
Fluoranthene
Concen: 6.197 ng
RT: 12.610 min Scan# 1771
Delta R.T. -0.012 min
Lab File: BF144336.D
Acq: 24 Nov 2025 21:15

Tgt Ion:202 Resp: 45194
Ion Ratio Lower Upper
202 100
101 10.0 0.0 27.9
203 17.1 0.0 37.5





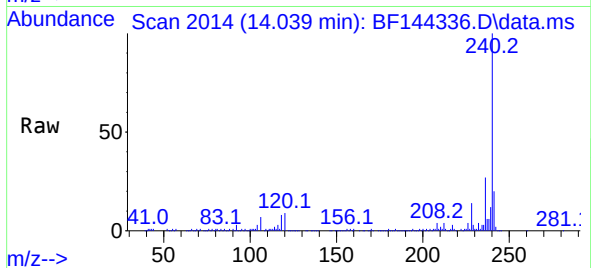
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF144336.D
Acq: 24 Nov 2025 21:15

Instrument :

BNA_F

ClientSampleId :

72-12017

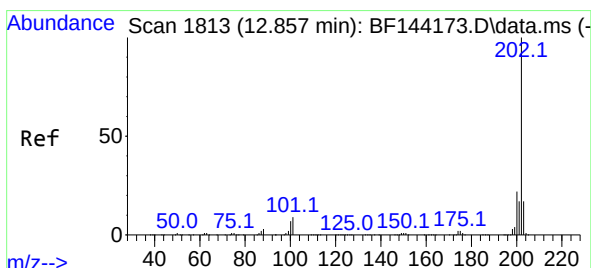
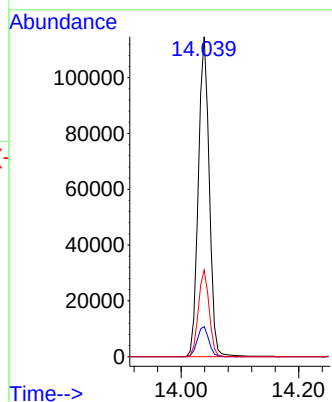
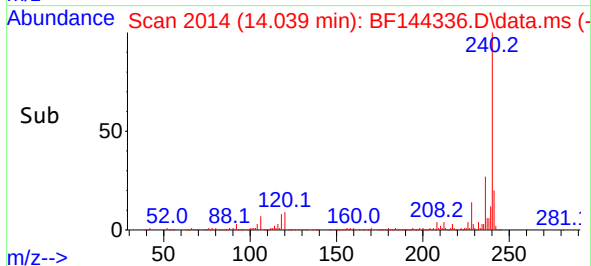


Tgt Ion:240 Resp: 14755
Ion Ratio Lower Upper
240 100
120 9.4 6.6 10.0
236 27.0 21.4 32.2

Manual Integrations

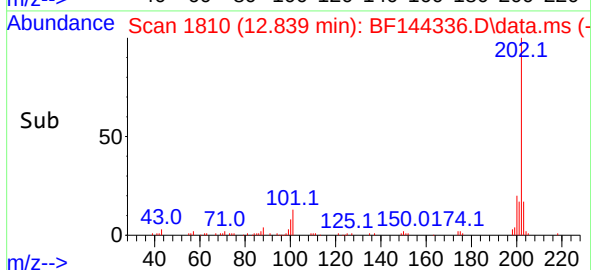
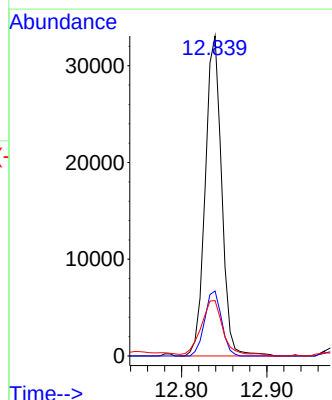
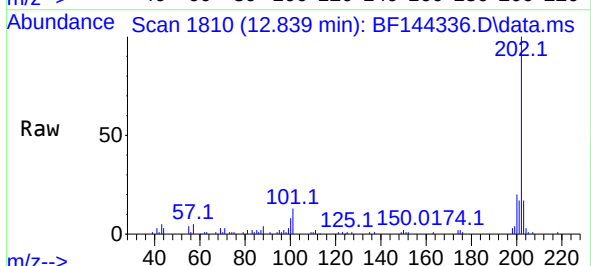
APPROVED

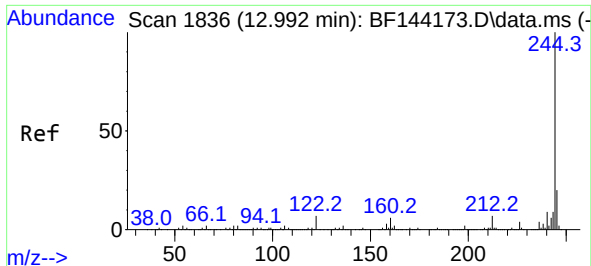
Reviewed By :Jagrut Upadhyay 11/25/2025
Supervised By :mohammad ahmed 11/26/2025



#78
Pyrene
Concen: 3.713 ng
RT: 12.839 min Scan# 1810
Delta R.T. -0.012 min
Lab File: BF144336.D
Acq: 24 Nov 2025 21:15

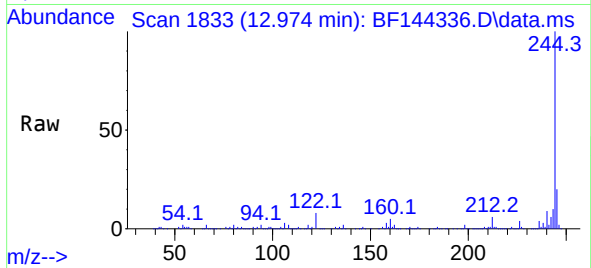
Tgt Ion:202 Resp: 44179
Ion Ratio Lower Upper
202 100
200 20.3 17.2 25.8
203 17.3 13.7 20.5





#79
Terphenyl-d14
Concen: 35.629 ng
RT: 12.974 min Scan# 1833
Delta R.T. -0.018 min
Lab File: BF144336.D
Acq: 24 Nov 2025 21:15

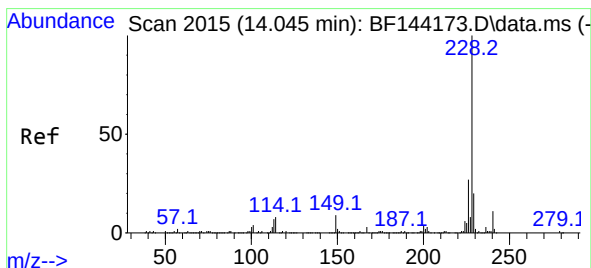
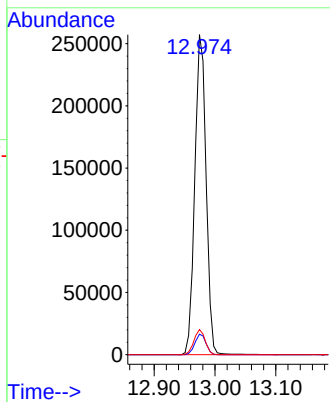
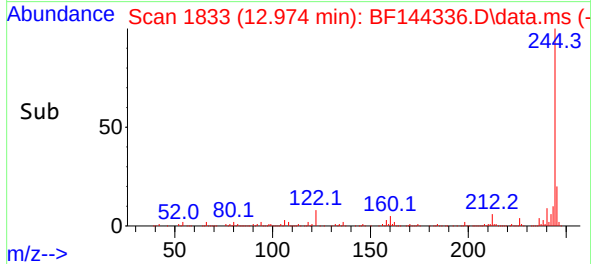
Instrument :
BNA_F
ClientSampleId :
72-12017



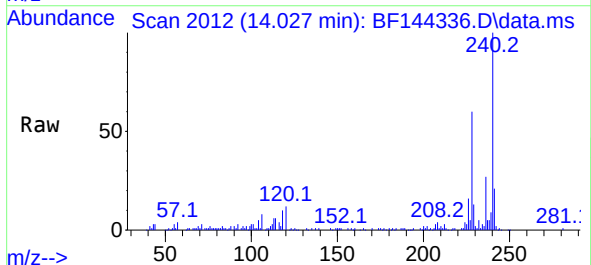
Tgt Ion:244 Resp: 330970
Ion Ratio Lower Upper
244 100
212 6.4 5.3 7.9
122 7.9 5.6 8.4

Manual Integrations
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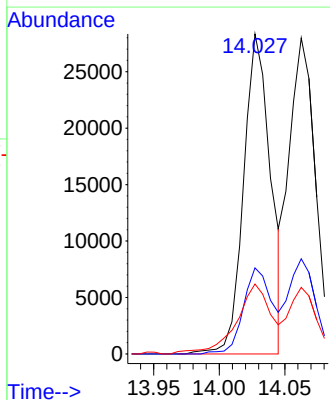
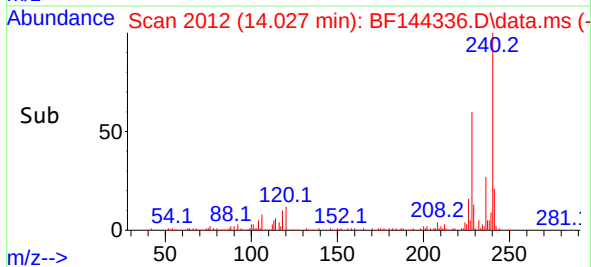
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Supervised By :mohammad ahmed 11/26/2025

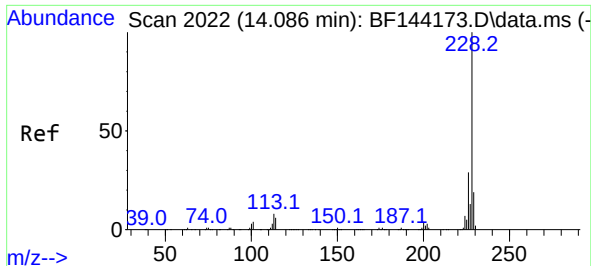


#81
Benzo(a)anthracene
Concen: 3.970 ng
RT: 14.027 min Scan# 2012
Delta R.T. -0.018 min
Lab File: BF144336.D
Acq: 24 Nov 2025 21:15



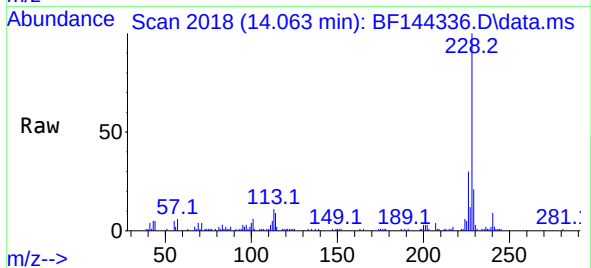
Tgt Ion:228 Resp: 40599
Ion Ratio Lower Upper
228 100
226 26.9 21.8 32.8
229 21.8 15.8 23.6





#83
Chrysene
Concen: 4.127 ng
RT: 14.063 min Scan# 2022
Delta R.T. -0.018 min
Lab File: BF144336.D
Acq: 24 Nov 2025 21:15

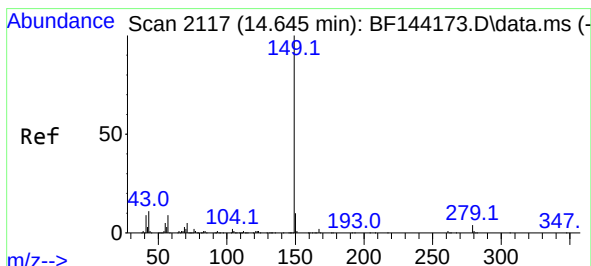
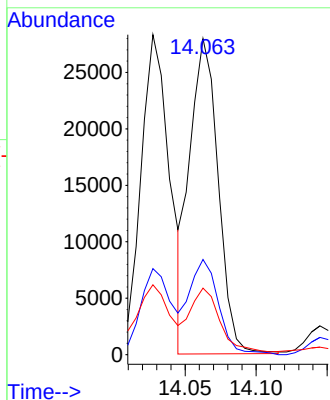
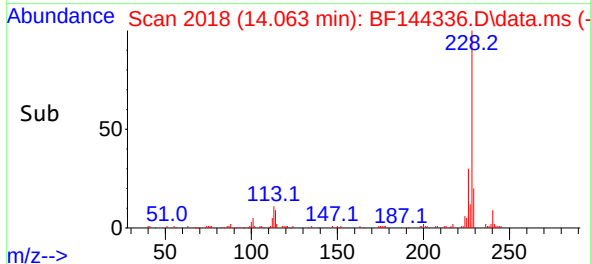
Instrument :
BNA_F
ClientSampleId :
72-12017



Tgt Ion:228 Resp: 3895
Ion Ratio Lower Upper
228 100
226 30.1 22.9 34.3
229 21.1 15.0 22.6

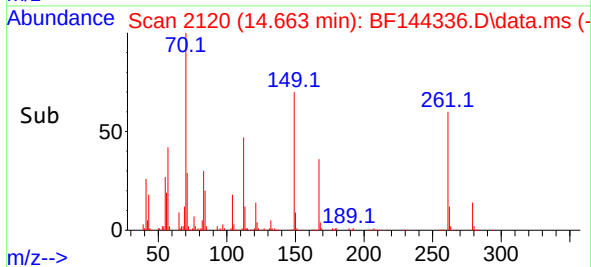
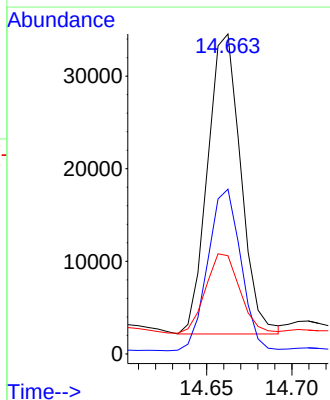
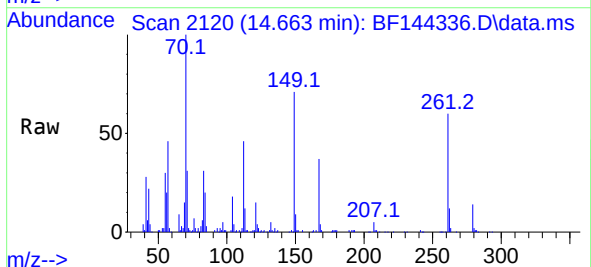
Manual Integrations
APPROVED

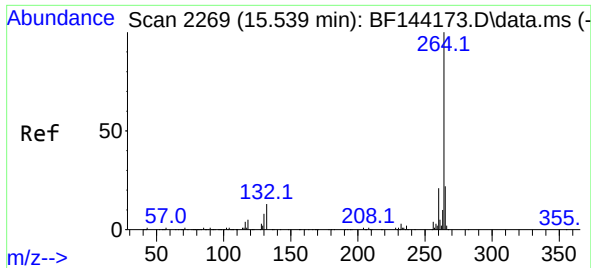
Reviewed By :Jagrut Upadhyay 11/25/2025
Supervised By :mohammad ahmed 11/26/2025



#85
Di-n-octyl phthalate
Concen: 4.507 ng
RT: 14.663 min Scan# 2120
Delta R.T. 0.018 min
Lab File: BF144336.D
Acq: 24 Nov 2025 21:15

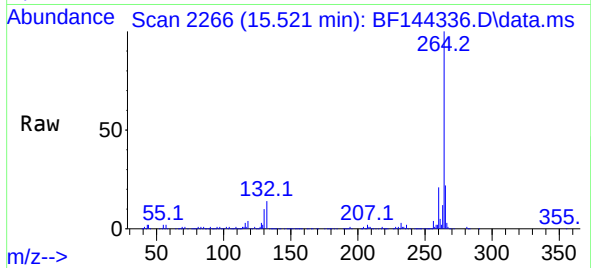
Tgt Ion:149 Resp: 43894
Ion Ratio Lower Upper
149 100
167 53.5 1.2 1.8#
43 27.3 9.0 13.4#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2192
Delta R.T. -0.018 min
Lab File: BF144336.D
Acq: 24 Nov 2025 21:15

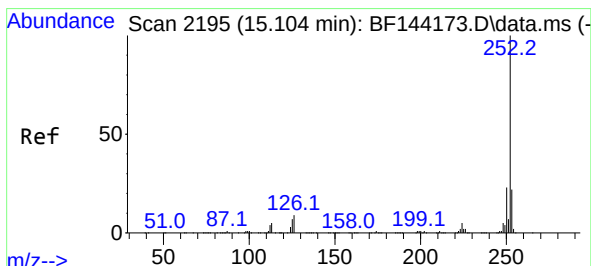
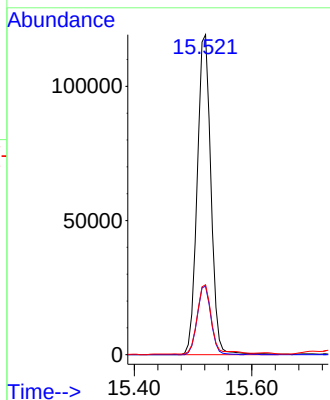
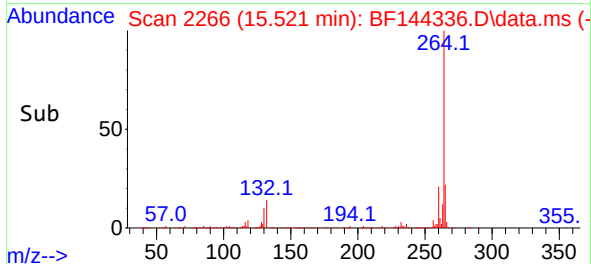
Instrument :
BNA_F
ClientSampleId :
72-12017



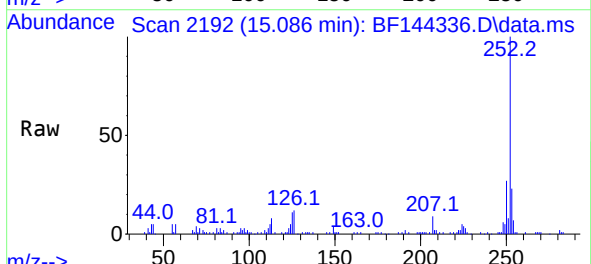
Tgt Ion:264 Resp: 193139
Ion Ratio Lower Upper
264 100
260 21.4 17.1 25.7
265 21.8 17.4 26.0

Manual Integrations
APPROVED

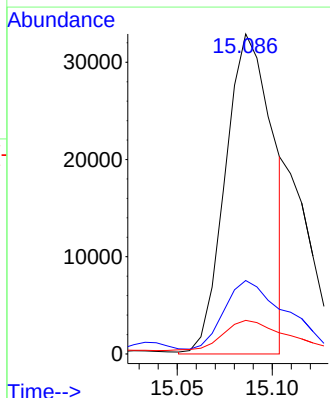
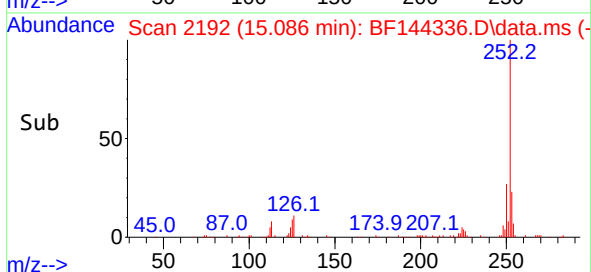
Reviewed By :Jagrut Upadhyay 11/25/2025
Supervised By :mohammad ahmed 11/26/2025

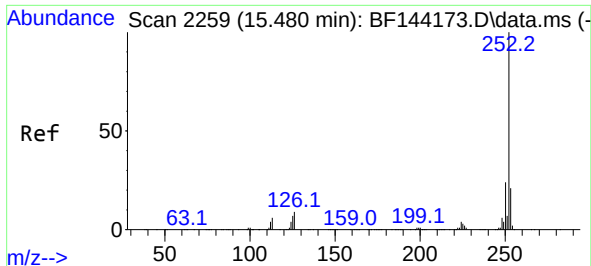


#88
Benzo(b)fluoranthene
Concen: 5.191 ng m
RT: 15.086 min Scan# 2192
Delta R.T. -0.012 min
Lab File: BF144336.D
Acq: 24 Nov 2025 21:15



Tgt Ion:252 Resp: 56997
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.2
125 10.5 5.3 7.9#





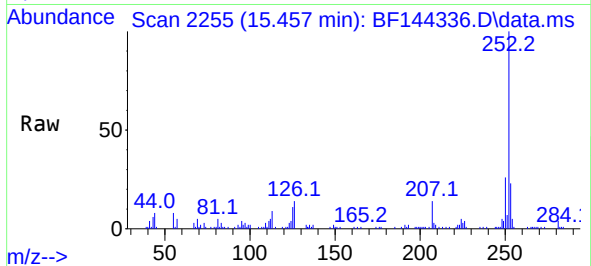
#90
Benzo(a)pyrene
Concen: 3.508 ng
RT: 15.457 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF144336.D
Acq: 24 Nov 2025 21:15

Instrument :

BNA_F

ClientSampleId :

72-12017



Tgt Ion:252 Resp: 3553
Ion Ratio Lower Upper
252 100
253 22.8 16.7 25.1
125 10.6 5.7 8.5

Manual Integrations

APPROVED

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

