

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
 Data File : BF144375.D
 Acq On : 26 Nov 2025 22:13
 Operator : RC/JU
 Sample : Q3719-12
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1125-16B

Manual Integrations
 APPROVED

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

Quant Time: Nov 27 00:54:19 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	57782	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	213615	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	107143	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	152030	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	152288	20.000	ng	-0.01
86) Perylene-d12	15.521	264	178501	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	293671	79.533	ng	0.00
7) Phenol-d6	6.492	99	329383	78.728	ng	0.00
23) Nitrobenzene-d5	7.422	82	204817	55.376	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	82998	61.731	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	407915	56.230	ng	-0.01
79) Terphenyl-d14	12.980	244	361308	37.685	ng	-0.01
Target Compounds						
						Qvalue
71) Phenanthrene	11.416	178	16462	2.175	ng	97
75) Fluoranthene	12.610	202	39054	4.995	ng	98
78) Pyrene	12.839	202	37387	3.045	ng	96
81) Benzo(a)anthracene	14.027	228	24831	2.353	ng	97
83) Chrysene	14.063	228	23762	2.439	ng	96
88) Benzo(b)fluoranthene	15.086	252	30500m	3.005	ng	
90) Benzo(a)pyrene	15.457	252	20813	2.223	ng	# 89

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

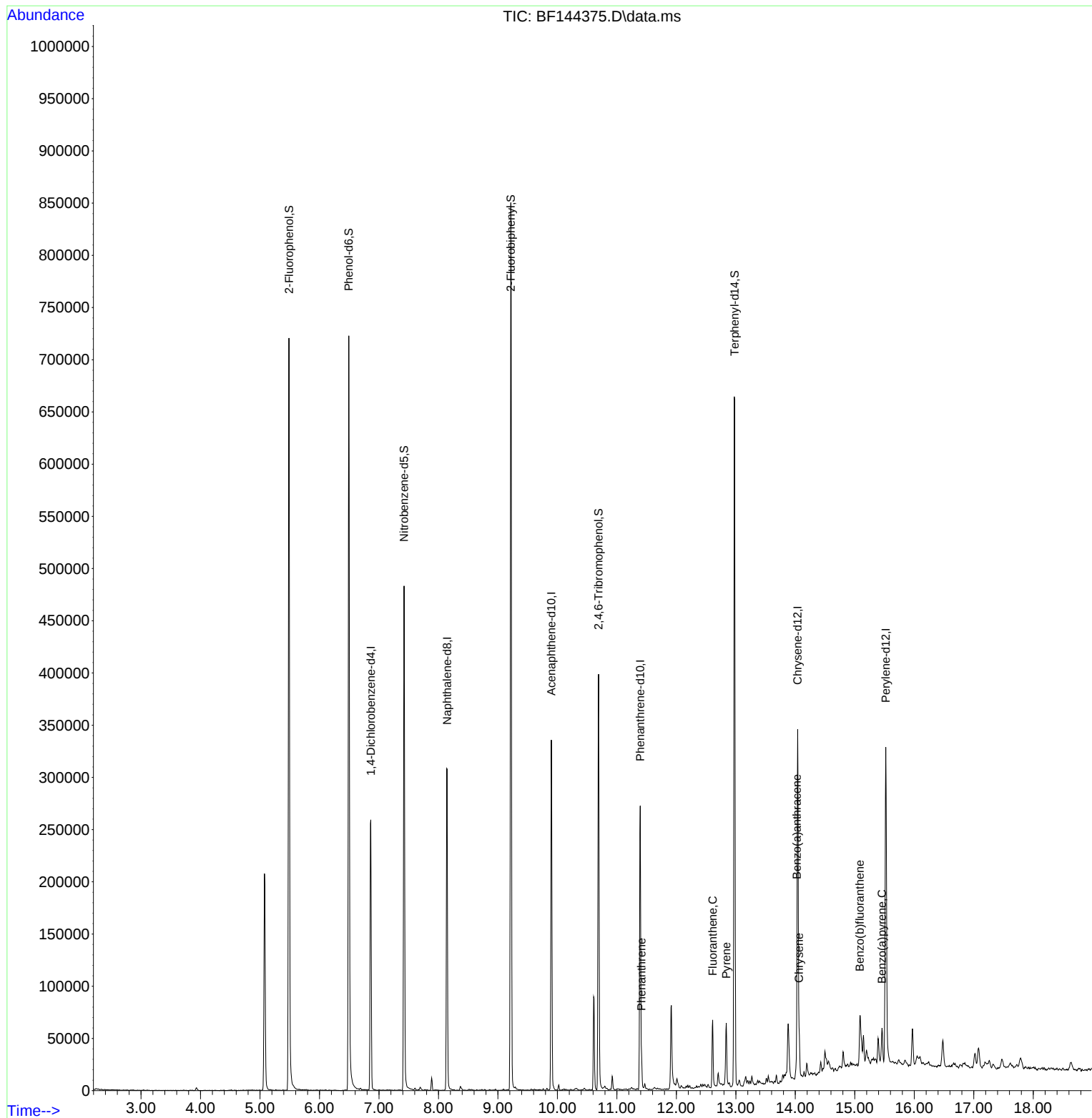
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112625\
Data File : BF144375.D
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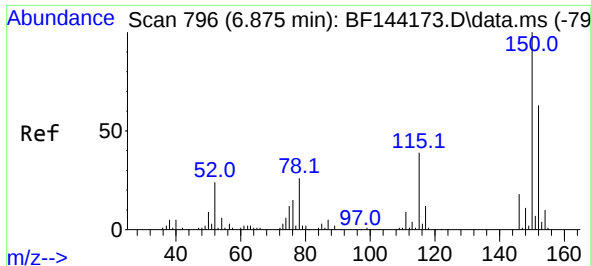
Instrument :
BNA_F
ClientSampleId :
SB-1125-16B

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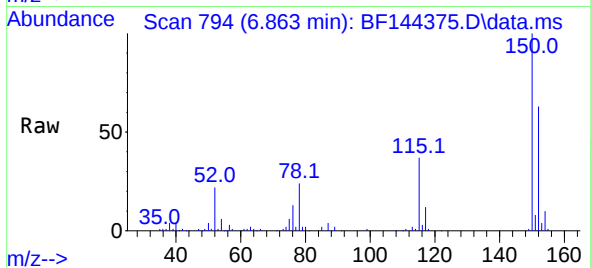
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Supervised By :mohammad ahmed 12/03/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF144375.D
Acq: 26 Nov 2025 22:13

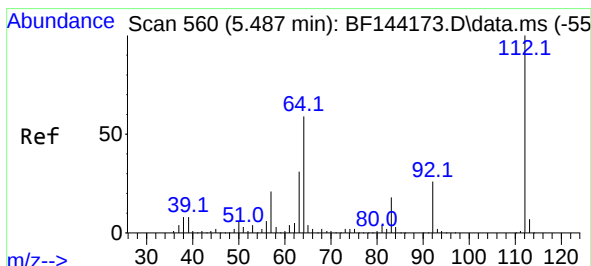
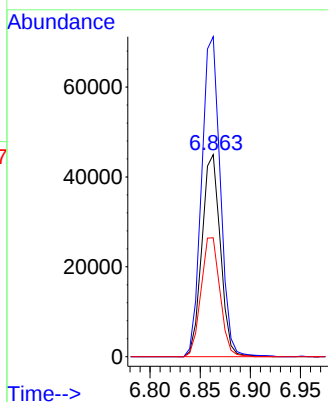
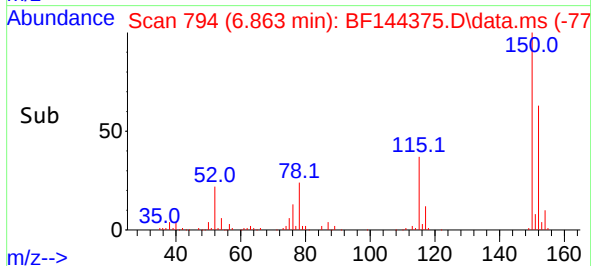
Instrument :
BNA_F
ClientSampleId :
SB-1125-16B



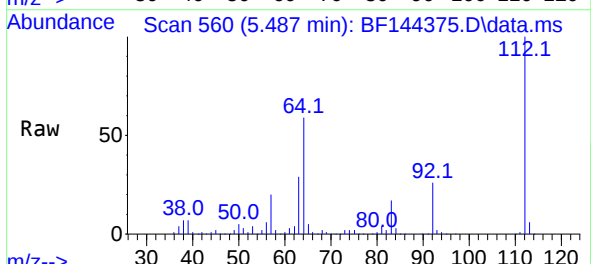
Tgt Ion:152 Resp: 5778
Ion Ratio Lower Upper
152 100
150 158.3 127.4 191.0
115 58.8 49.5 74.3

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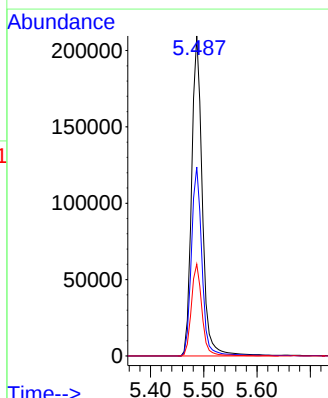
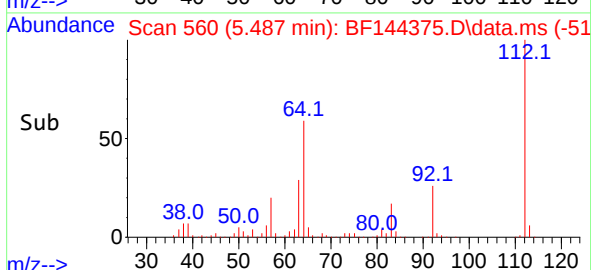
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#5
2-Fluorophenol
Concen: 79.533 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.006 min
Lab File: BF144375.D
Acq: 26 Nov 2025 22:13



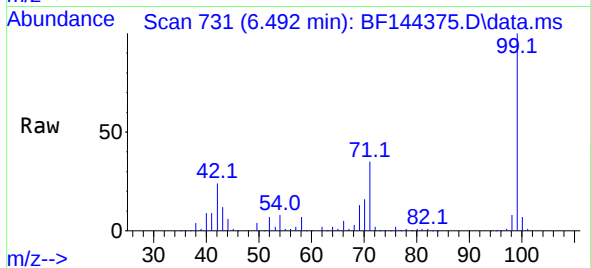
Tgt Ion:112 Resp: 293671
Ion Ratio Lower Upper
112 100
64 59.1 47.2 70.8
63 28.7 24.4 36.6





#7
Phenol-d6
Concen: 78.728 ng
RT: 6.492 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF144375.D
Acq: 26 Nov 2025 22:13

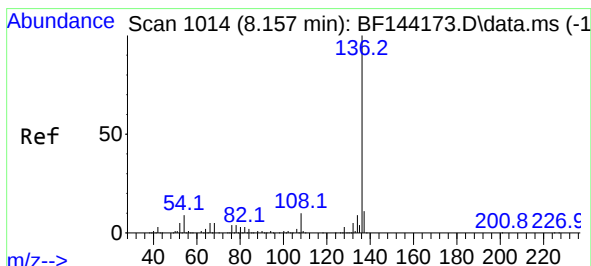
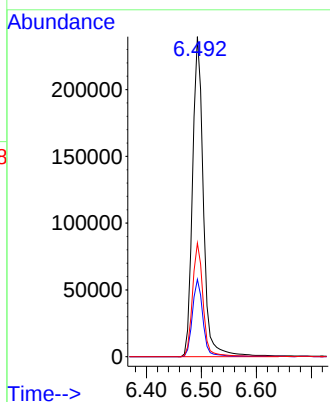
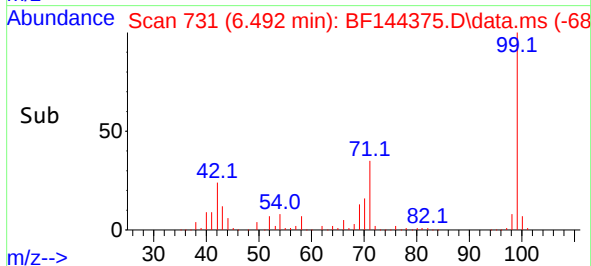
Instrument :
BNA_F
ClientSampleId :
SB-1125-16B



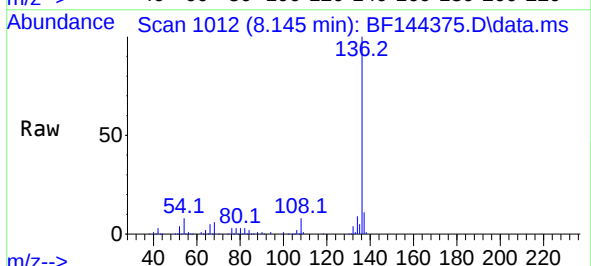
Tgt Ion: 99 Resp: 32938
Ion Ratio Lower Upper
99 100
42 24.1 20.9 31.3
71 35.5 31.4 47.2

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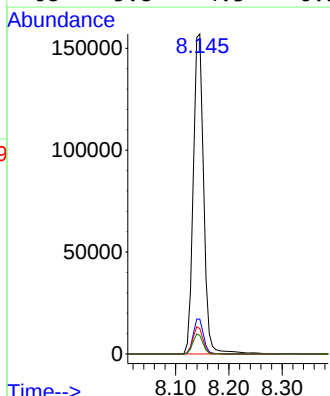
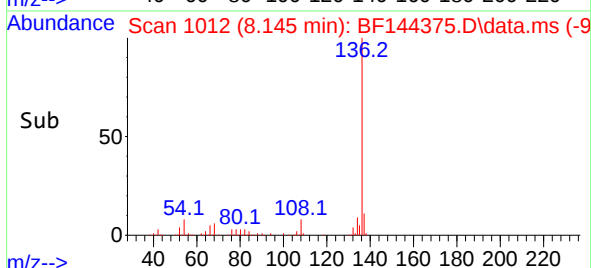
Reviewed By :Jagrut Upadhyay 12/02/2025
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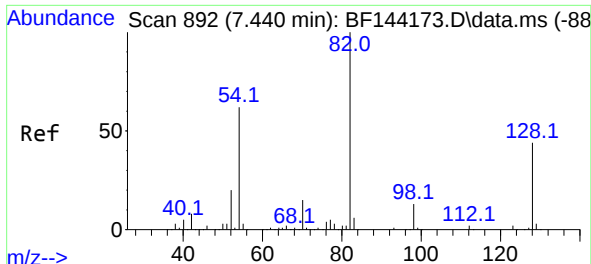


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1012
Delta R.T. -0.012 min
Lab File: BF144375.D
Acq: 26 Nov 2025 22:13



Tgt Ion:136 Resp: 213615
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.0 7.0 10.6
68 5.8 4.3 6.5





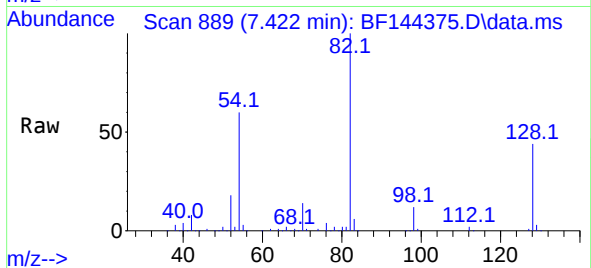
#23
Nitrobenzene-d5
Concen: 55.376 ng
RT: 7.422 min Scan# 84
Delta R.T. -0.012 min
Lab File: BF144375.D
Acq: 26 Nov 2025 22:13

Instrument :

BNA_F

ClientSampleId :

SB-1125-16B

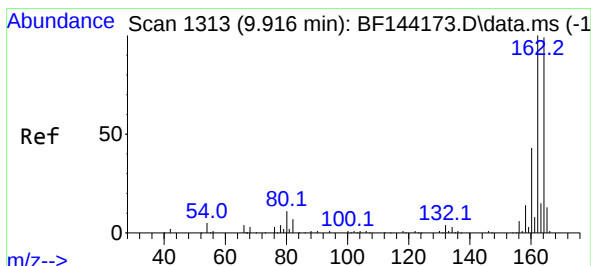
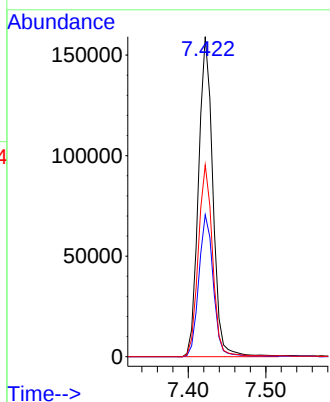
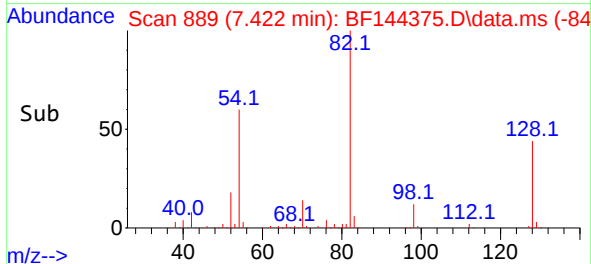


Tgt Ion: 82 Resp: 20481
Ion Ratio Lower Upper
82 100
128 44.3 34.7 52.1
54 59.9 49.5 74.3

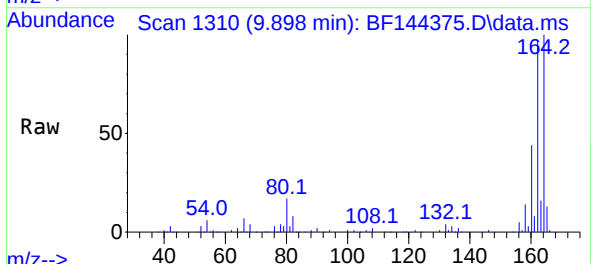
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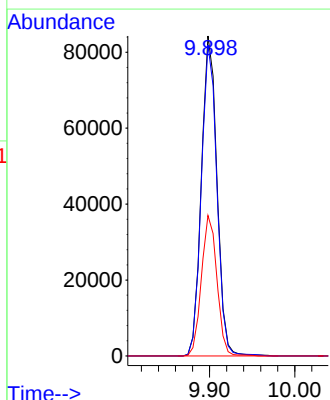
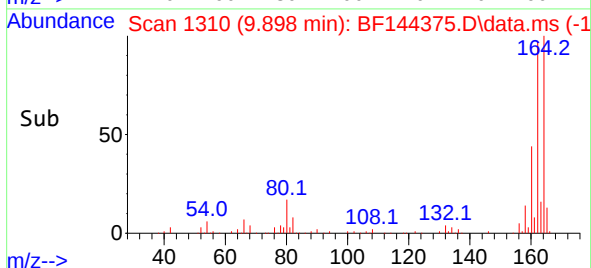
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

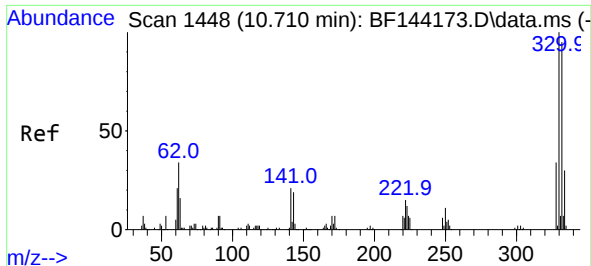


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1310
Delta R.T. -0.018 min
Lab File: BF144375.D
Acq: 26 Nov 2025 22:13



Tgt Ion:164 Resp: 107143
Ion Ratio Lower Upper
164 100
162 97.2 81.1 121.7
160 43.9 34.5 51.7





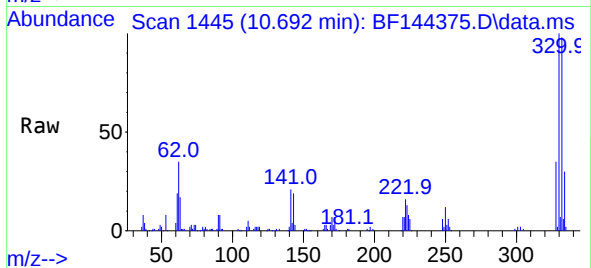
#42
2,4,6-Tribromophenol
Concen: 61.731 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF144375.D
Acq: 26 Nov 2025 22:13

Instrument :

BNA_F

ClientSampleId :

SB-1125-16B

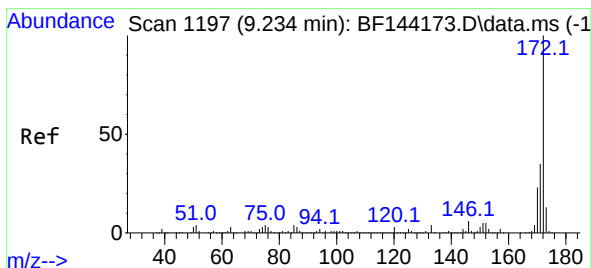
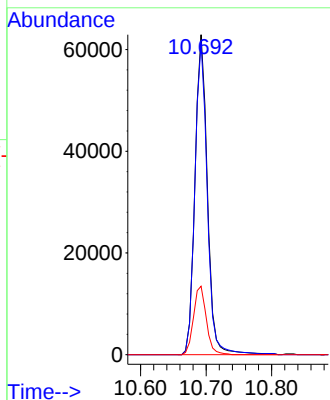
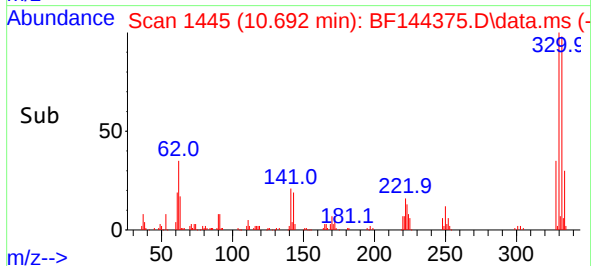


Tgt Ion:330 Resp: 82998
Ion Ratio Lower Upper
330 100
332 97.2 76.7 115.1
141 22.0 17.8 26.8

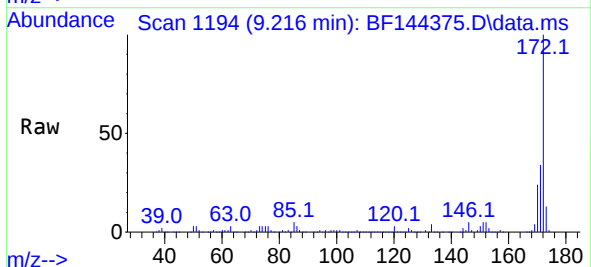
Manual Integrations

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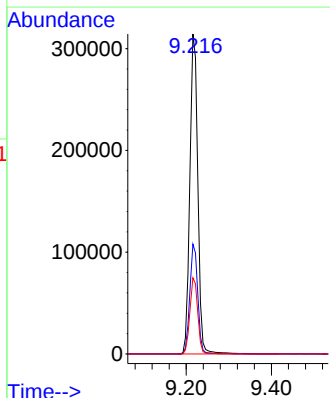
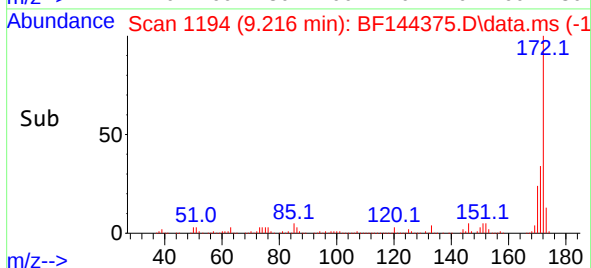
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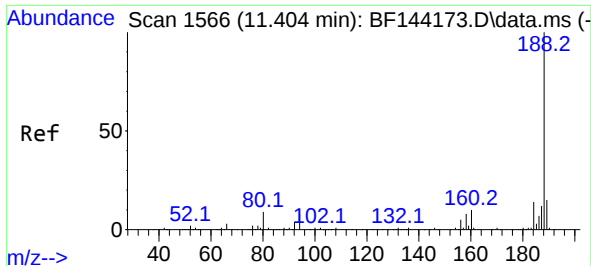


#45
2-Fluorobiphenyl
Concen: 56.230 ng
RT: 9.216 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF144375.D
Acq: 26 Nov 2025 22:13



Tgt Ion:172 Resp: 407915
Ion Ratio Lower Upper
172 100
171 34.3 28.1 42.1
170 23.8 18.6 28.0





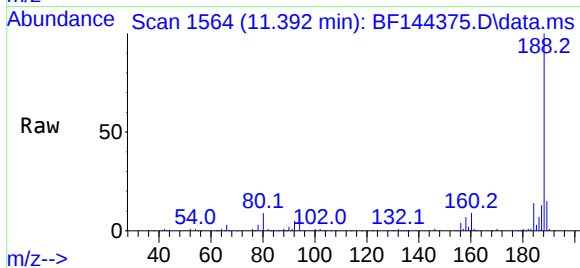
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1566
Delta R.T. -0.012 min
Lab File: BF144375.D
Acq: 26 Nov 2025 22:13

Instrument :

BNA_F

ClientSampleId :

SB-1125-16B

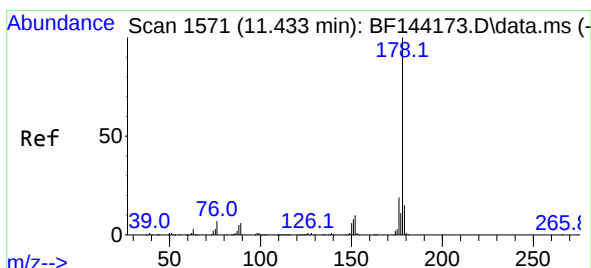
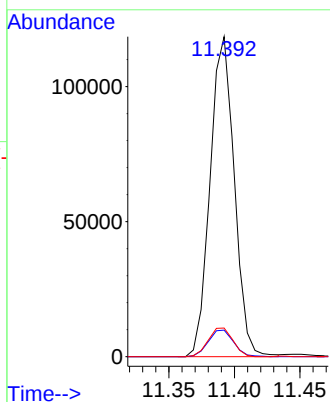
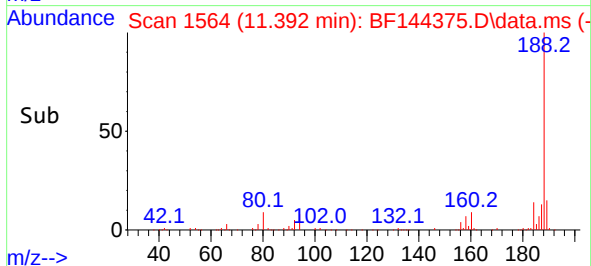


Tgt Ion:188 Resp: 152030
Ion Ratio Lower Upper
188 100
94 8.3 6.2 9.2
80 9.0 6.9 10.3

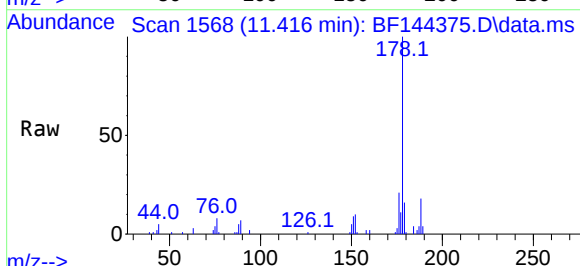
Manual Integrations

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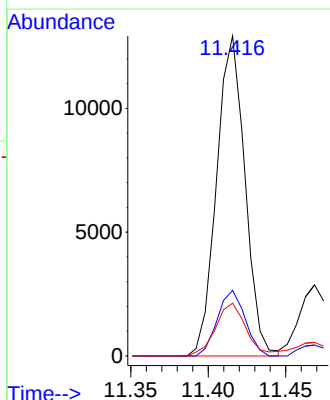
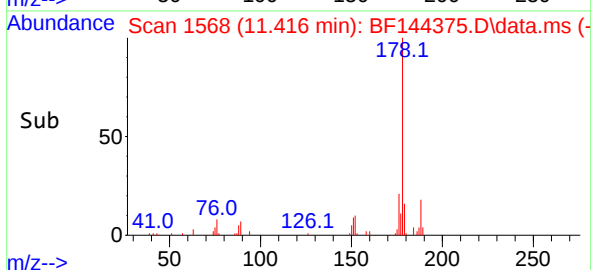
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

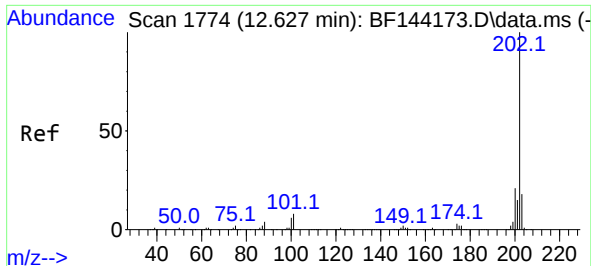


#71
Phenanthrene
Concen: 2.175 ng
RT: 11.416 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF144375.D
Acq: 26 Nov 2025 22:13



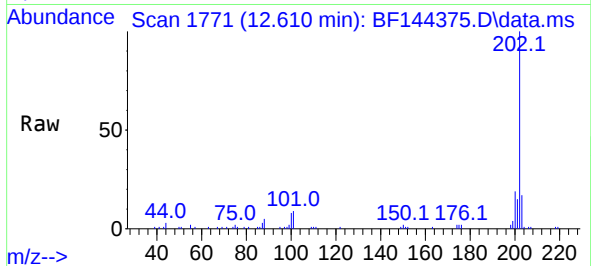
Tgt Ion:178 Resp: 16462
Ion Ratio Lower Upper
178 100
176 20.5 15.5 23.3
179 16.5 12.2 18.4





#75
Fluoranthene
Concen: 4.995 ng
RT: 12.610 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144375.D
Acq: 26 Nov 2025 22:13

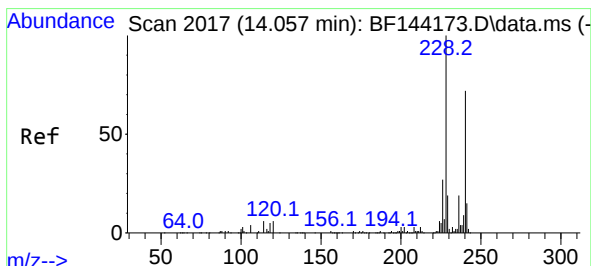
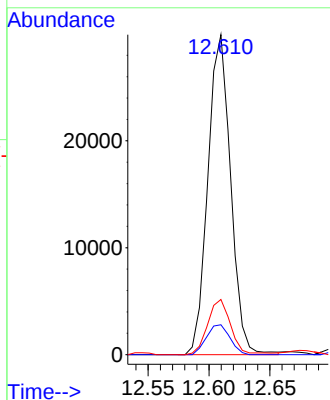
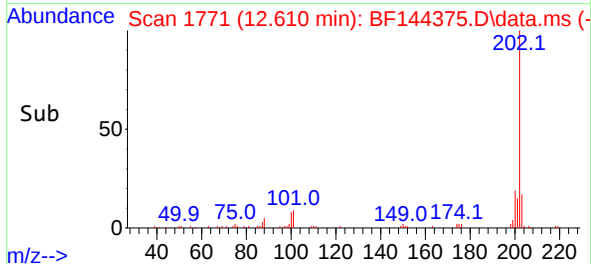
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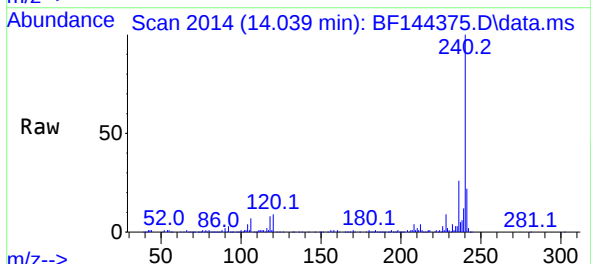
Tgt Ion:202 Resp: 39054
Ion Ratio Lower Upper
202 100
101 9.4 0.0 27.9
203 17.3 0.0 37.5

Manual Integrations
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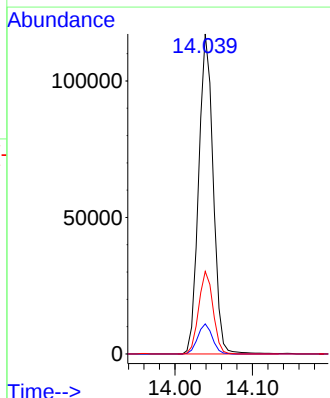
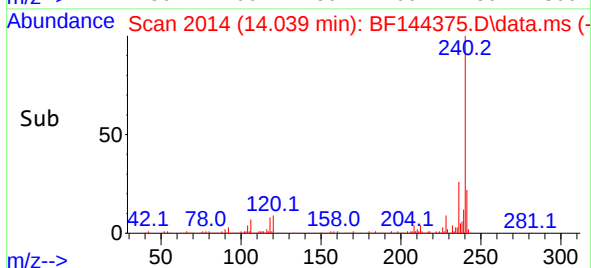
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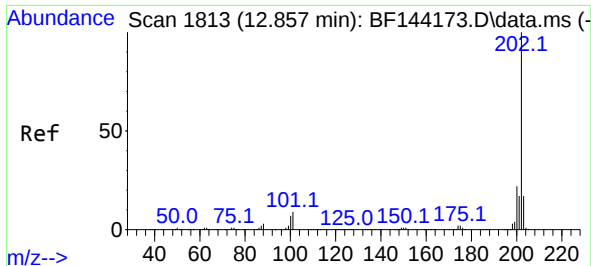


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF144375.D
Acq: 26 Nov 2025 22:13



Tgt Ion:240 Resp: 152288
Ion Ratio Lower Upper
240 100
120 9.4 6.6 10.0
236 25.8 21.4 32.2





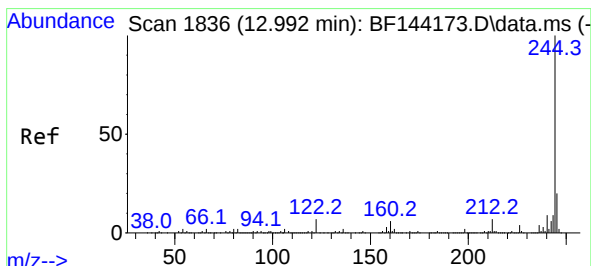
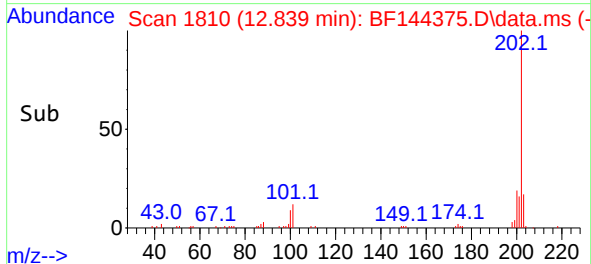
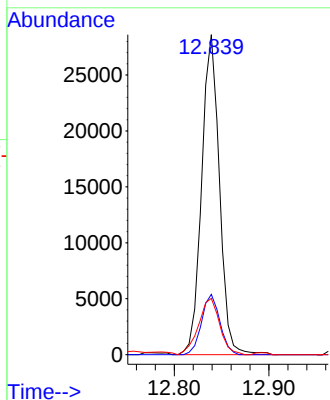
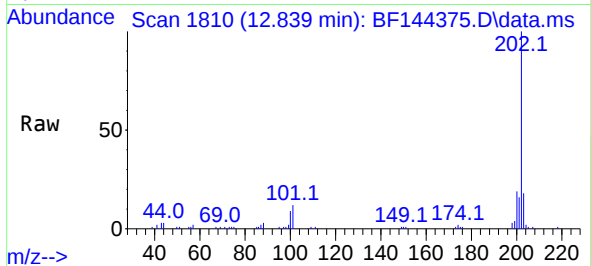
#78
Pyrene
Concen: 3.045 ng
RT: 12.839 min Scan# 1810
Delta R.T. -0.012 min
Lab File: BF144375.D
Acq: 26 Nov 2025 22:13

Instrument :
BNA_F
ClientSampleId :
SB-1125-16B

Tgt Ion:202 Resp: 3738
Ion Ratio Lower Upper
202 100
200 18.9 17.2 25.8
203 17.6 13.7 20.5

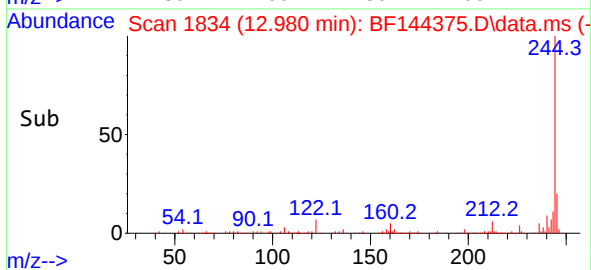
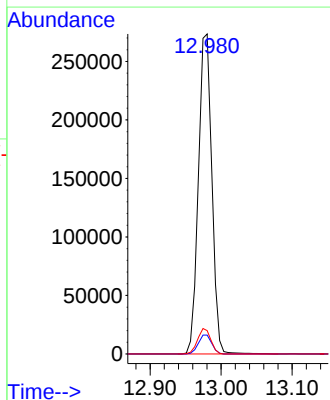
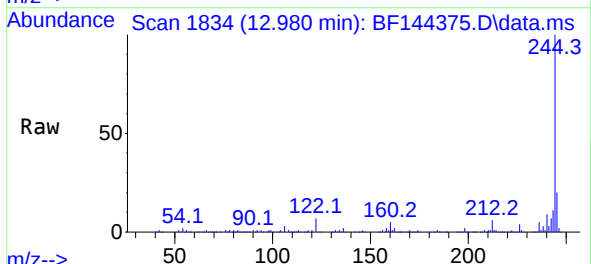
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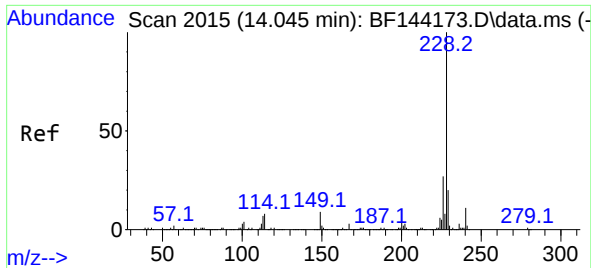
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#79
Terphenyl-d14
Concen: 37.685 ng
RT: 12.980 min Scan# 1834
Delta R.T. -0.012 min
Lab File: BF144375.D
Acq: 26 Nov 2025 22:13

Tgt Ion:244 Resp: 361308
Ion Ratio Lower Upper
244 100
212 5.9 5.3 7.9
122 7.3 5.6 8.4





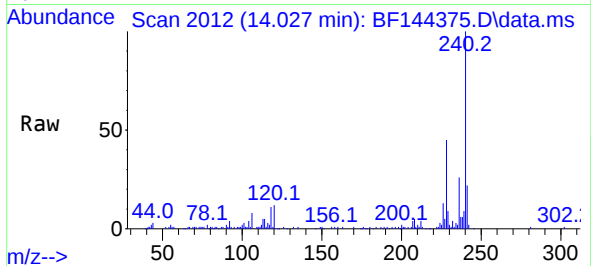
#81
Benzo(a)anthracene
Concen: 2.353 ng
RT: 14.027 min Scan# 2012
Delta R.T. -0.018 min
Lab File: BF144375.D
Acq: 26 Nov 2025 22:13

Instrument :

BNA_F

ClientSampleId :

SB-1125-16B

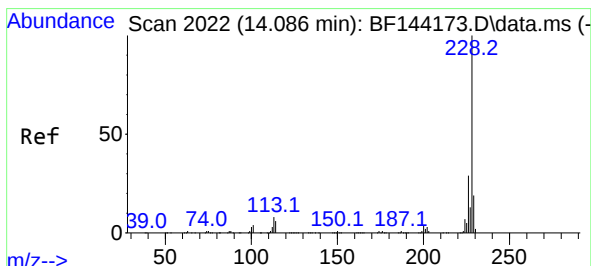
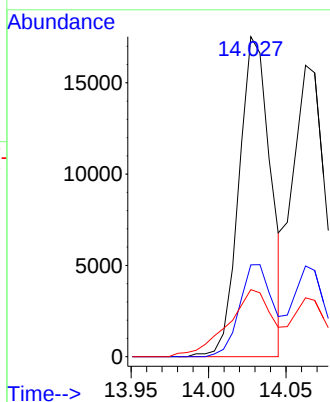
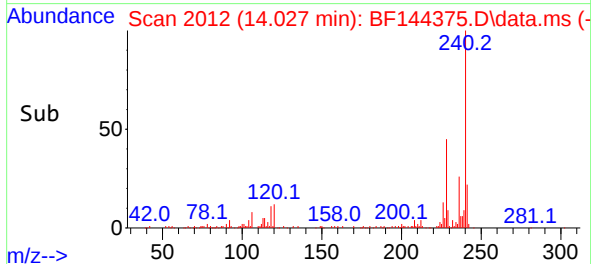


Tgt Ion:228 Resp: 2483
Ion Ratio Lower Upper
228 100
226 28.7 21.8 32.8
229 20.9 15.8 23.6

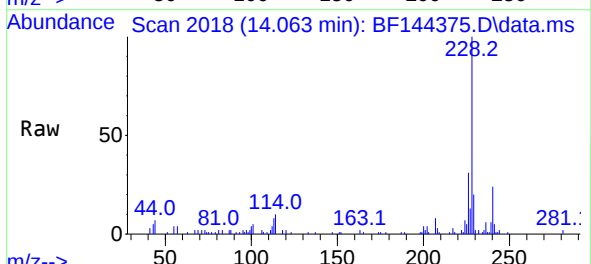
Manual Integrations

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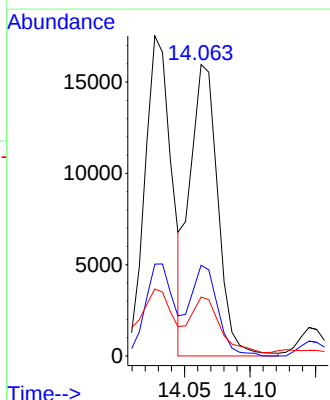
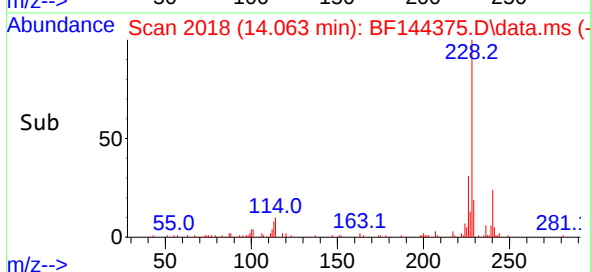
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025

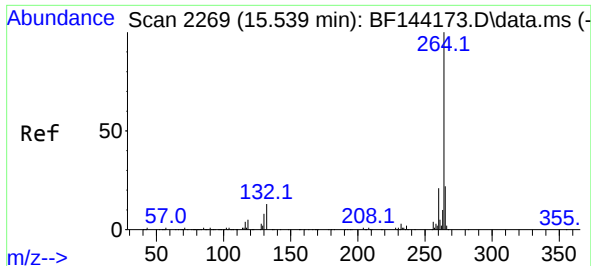


#83
Chrysene
Concen: 2.439 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.018 min
Lab File: BF144375.D
Acq: 26 Nov 2025 22:13



Tgt Ion:228 Resp: 23762
Ion Ratio Lower Upper
228 100
226 31.1 22.9 34.3
229 20.2 15.0 22.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 2192
Delta R.T. -0.018 min
Lab File: BF144375.D
Acq: 26 Nov 2025 22:13

Instrument :

BNA_F

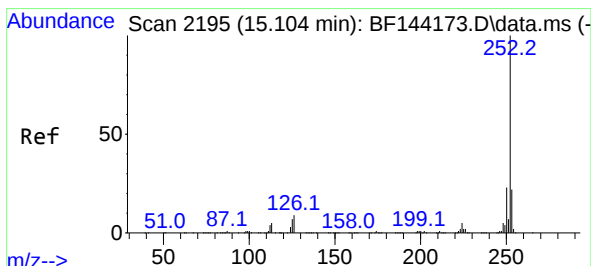
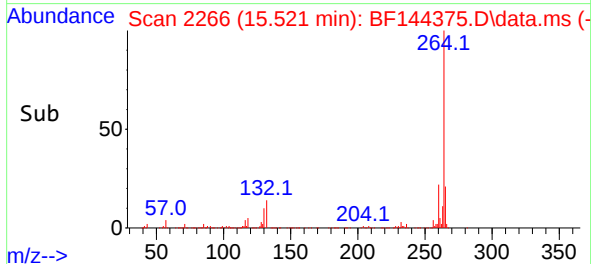
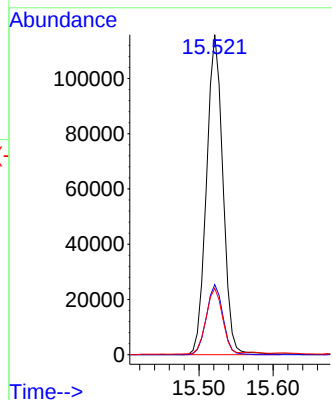
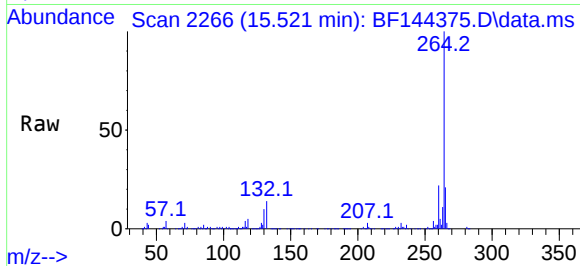
ClientSampleId :

SB-1125-16B

Tgt Ion:264 Resp: 17850
Ion Ratio Lower Upper
264 100
260 21.9 17.1 25.7
265 20.7 17.4 26.0

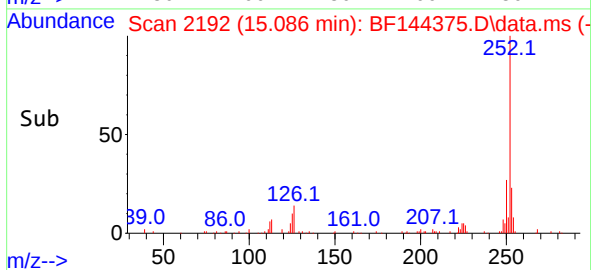
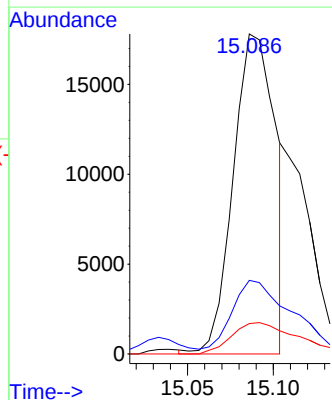
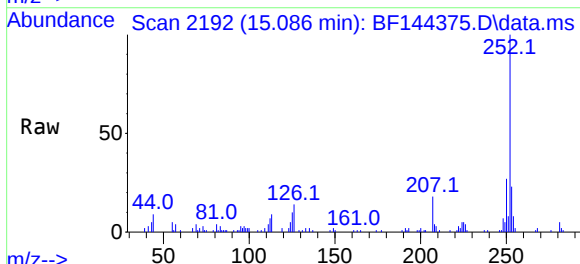
Manual Integrations
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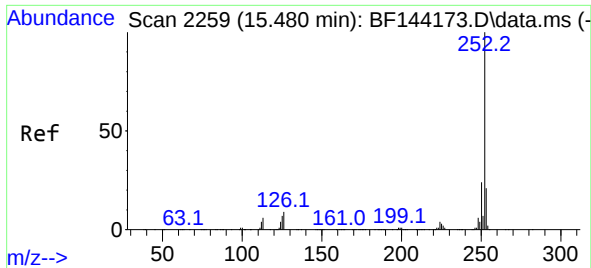
Reviewed By :Jagrut Upadhyay 12/02/2025
Supervised By :mohammad ahmed 12/03/2025



#88
Benzo(b)fluoranthene
Concen: 3.005 ng m
RT: 15.086 min Scan# 2192
Delta R.T. -0.012 min
Lab File: BF144375.D
Acq: 26 Nov 2025 22:13

Tgt Ion:252 Resp: 30500
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.2
125 9.5 5.3 7.9#





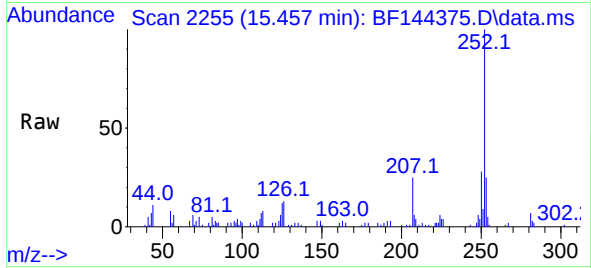
#90
Benzo(a)pyrene
Concen: 2.223 ng
RT: 15.457 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF144375.D
Acq: 26 Nov 2025 22:13

Instrument :

BNA_F

ClientSampleId :

SB-1125-16B



Tgt Ion:252 Resp: 2081
Ion Ratio Lower Upper
252 100
253 25.1 16.7 25.1
125 12.5 5.7 8.5

Manual Integrations

APPROVED

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

