

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120324\
 Data File : BF140716.D
 Acq On : 03 Dec 2024 17:34
 Operator : RC/JU
 Sample : P5045-01DL 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-11222024DL

Quant Time: Dec 03 17:54:09 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112124.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 21 15:23:48 2024
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/04/2024
 Supervised By :mohammad ahmed 12/05/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	78891	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	293060	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	153756	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	248875	20.000	ng	0.00
76) Chrysene-d12	14.057	240	146599	20.000	ng	0.00
86) Perylene-d12	15.580	264	175946	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	200589	43.382	ng	0.00
7) Phenol-d6	6.504	99	255218	41.752	ng	-0.01
23) Nitrobenzene-d5	7.428	82	167951	29.314	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	60062	36.524	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	323041	31.304	ng	-0.01
79) Terphenyl-d14	12.980	244	243943	25.911	ng	-0.01
Target Compounds						Qvalue
58) Fluorene	10.457	166	20621	2.017	ng	98
71) Phenanthrene	11.422	178	226837	18.961	ng	99
72) Anthracene	11.475	178	79560	6.799	ng	98
75) Fluoranthene	12.616	202	511490	39.379	ng	100
78) Pyrene	12.845	202	444891	32.821	ng	99
81) Benzo(a)anthracene	14.045	228	241372	24.873	ng	97
83) Chrysene	14.086	228	177358	19.987	ng	98
87) Indeno(1,2,3-cd)pyrene	17.098	276	112409	9.803	ng	96
88) Benzo(b)fluoranthene	15.145	252	273189m	24.720	ng	
89) Benzo(k)fluoranthene	15.157	252	101150m	10.459	ng	
90) Benzo(a)pyrene	15.516	252	201814	22.459	ng	97
91) Dibenzo(a,h)anthracene	17.104	278	28510	3.036	ng	# 85
92) Benzo(g,h,i)perylene	17.557	276	102663	10.714	ng	100

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

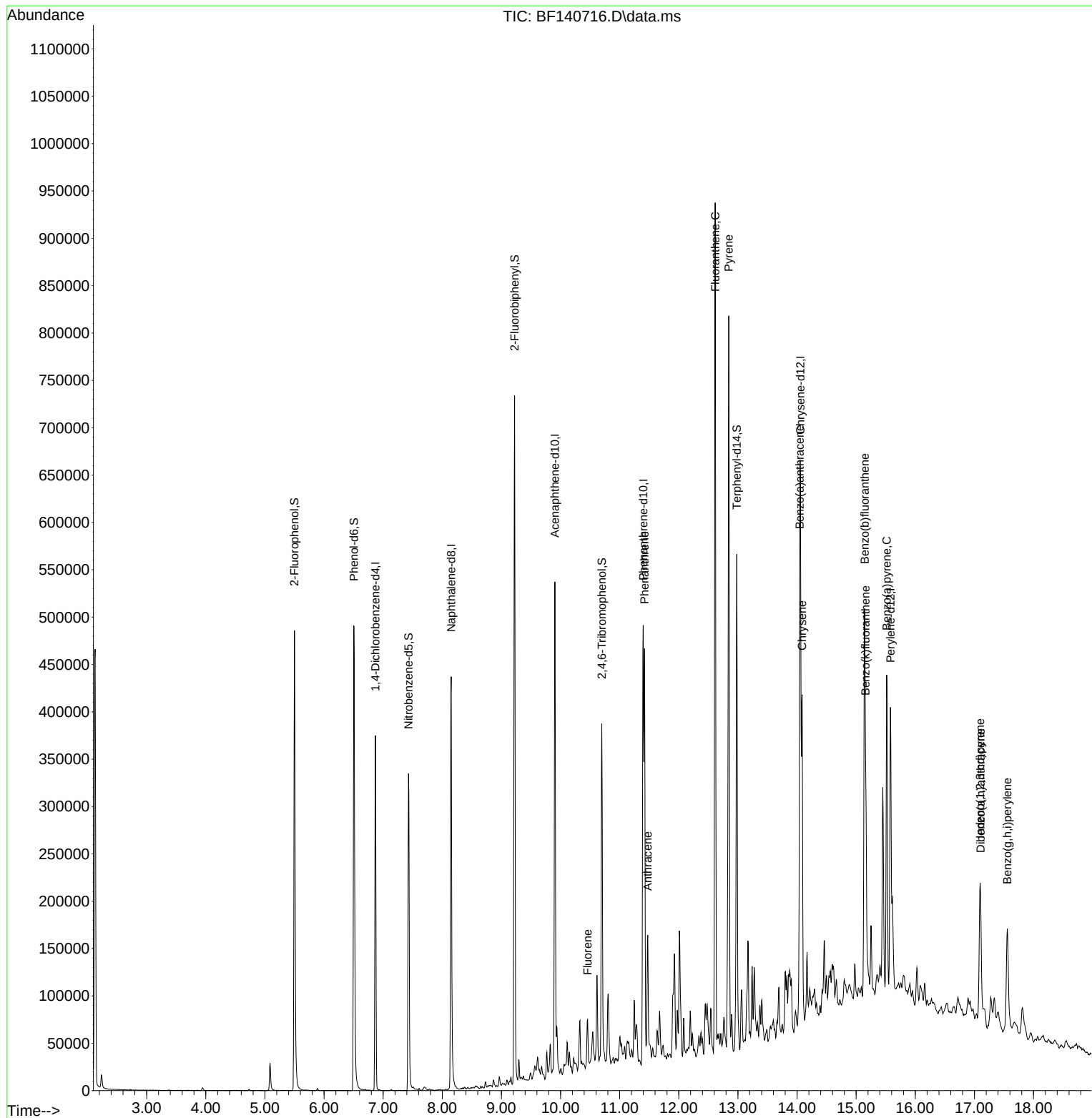
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Data File : BF140716.D
Acq On : 03 Dec 2024 17:34
Operator : RC/JU
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ALS Vial : 16 Sample Multiplier: 1

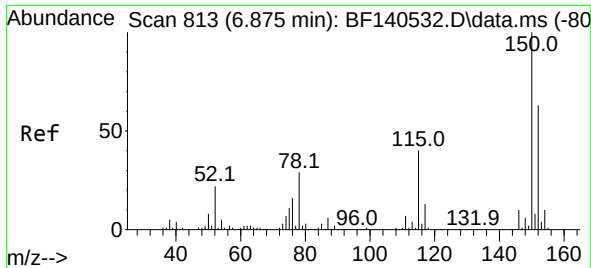
Instrument :
BNA_F
ClientSampleId :
SU-04-11222024DL

Quant Time: Dec 03 17:54:09 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 21 15:23:48 2024
Response via : Initial Calibration

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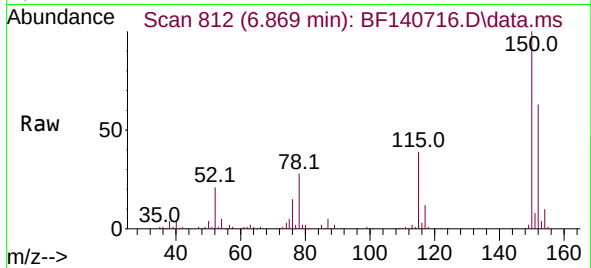
Reviewed By :Jagrut Upadhyay 12/04/2024
Supervised By :mohammad ahmed 12/05/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140716.D
Acq: 03 Dec 2024 17:34

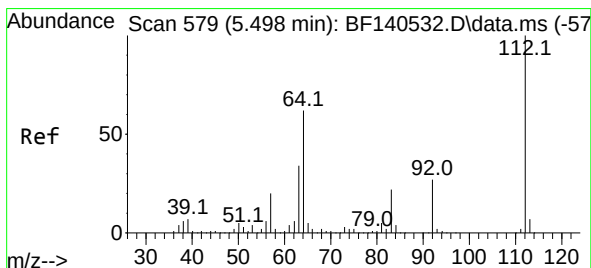
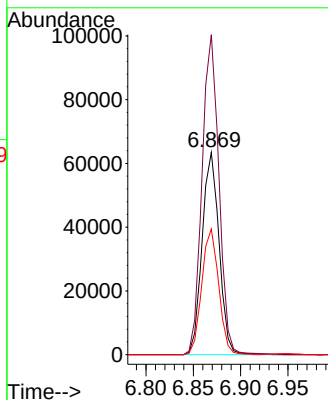
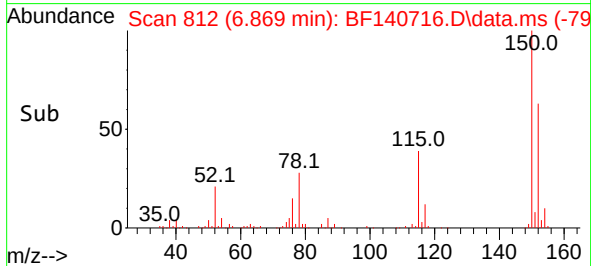
Instrument :
BNA_F
ClientSampleId :
SU-04-11222024DL



Tgt Ion:152 Resp: 7889
Ion Ratio Lower Upper
152 100
150 158.2 128.5 192.7
115 62.2 50.2 75.4

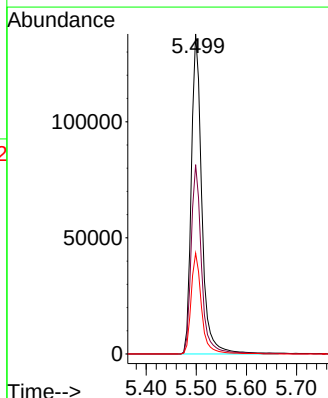
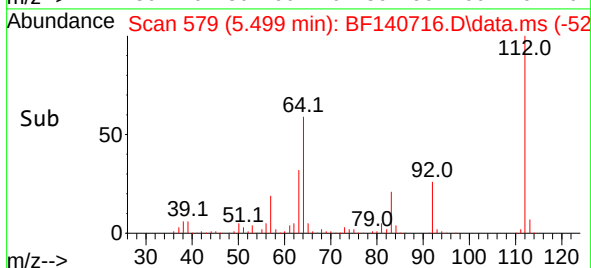
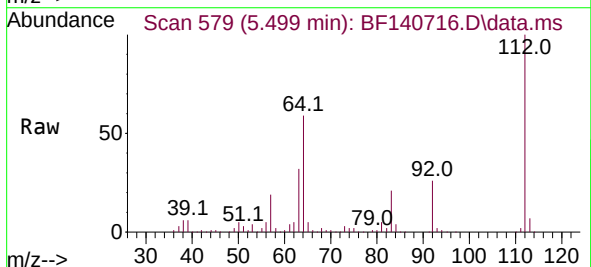
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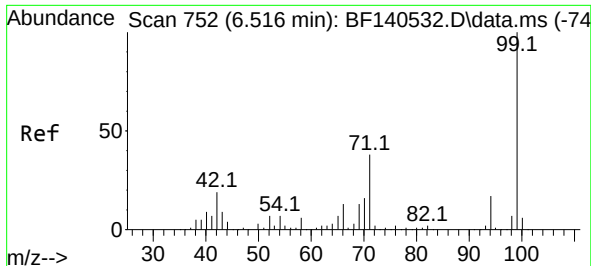
Reviewed By :Jagrut Upadhyay 12/04/2024
Supervised By :mohammad ahmed 12/05/2024



#5
2-Fluorophenol
Concen: 43.382 ng
RT: 5.499 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF140716.D
Acq: 03 Dec 2024 17:34

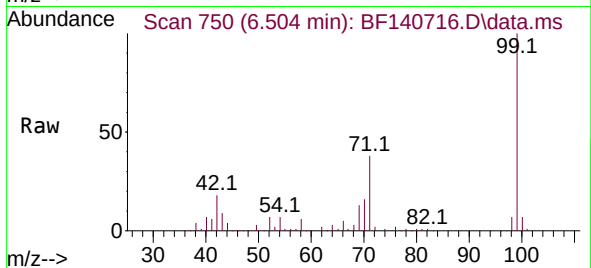
Tgt Ion:112 Resp: 200589
Ion Ratio Lower Upper
112 100
64 59.2 49.2 73.8
63 31.5 27.0 40.4





#7
Phenol-d6
Concen: 41.752 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF140716.D
Acq: 03 Dec 2024 17:34

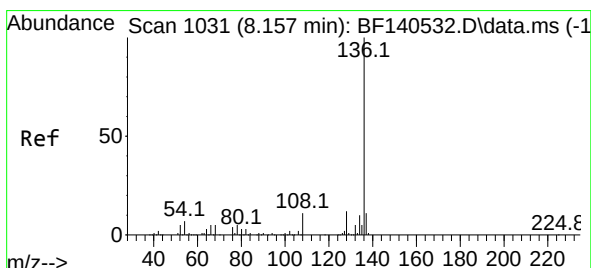
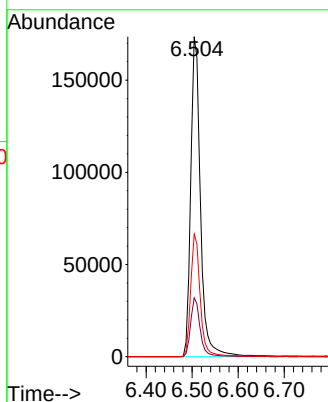
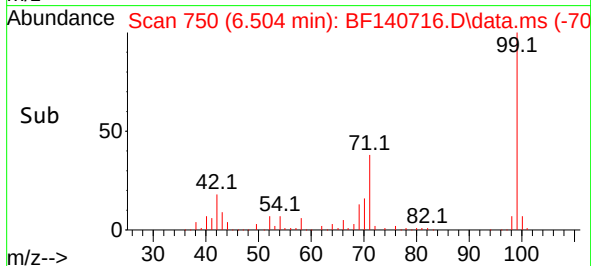
Instrument :
BNA_F
ClientSampleId :
SU-04-11222024DL



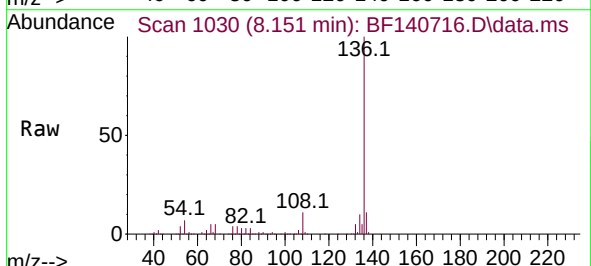
Tgt Ion: 99 Resp: 255218
Ion Ratio Lower Upper
99 100
42 18.4 15.4 23.0
71 38.3 30.6 46.0

Manual Integrations
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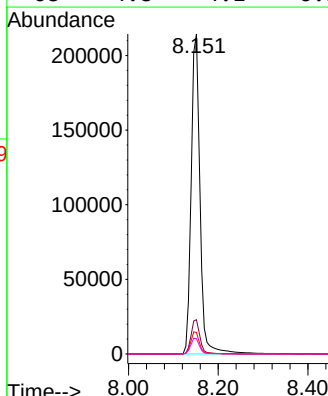
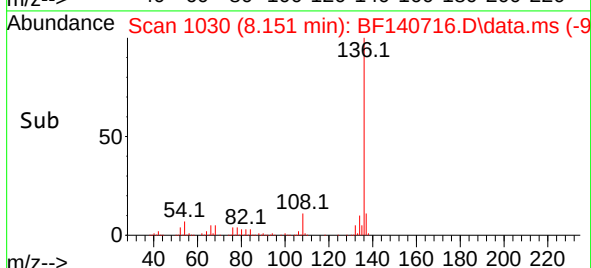
Reviewed By :Jagrut Upadhyay 12/04/2024
Supervised By :mohammad ahmed 12/05/2024

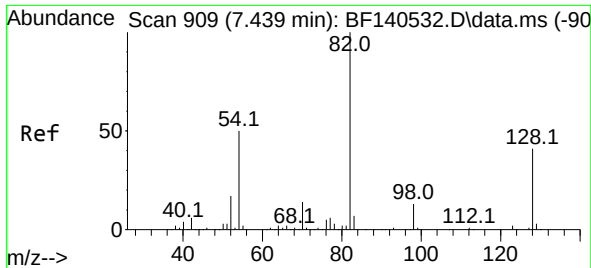


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140716.D
Acq: 03 Dec 2024 17:34



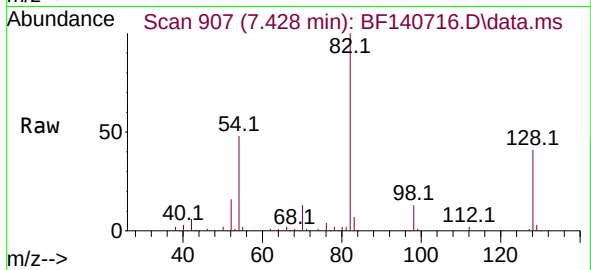
Tgt Ion:136 Resp: 293060
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 6.7 5.8 8.8
68 4.8 4.1 6.1





#23
Nitrobenzene-d5
Concen: 29.314 ng
RT: 7.428 min Scan# 909
Delta R.T. -0.012 min
Lab File: BF140716.D
Acq: 03 Dec 2024 17:34

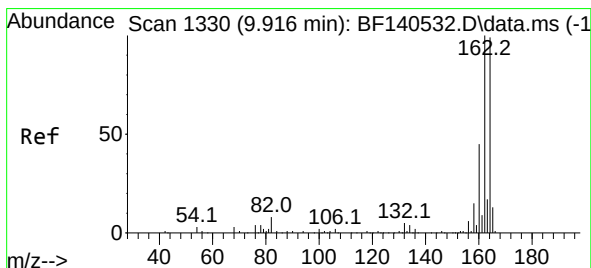
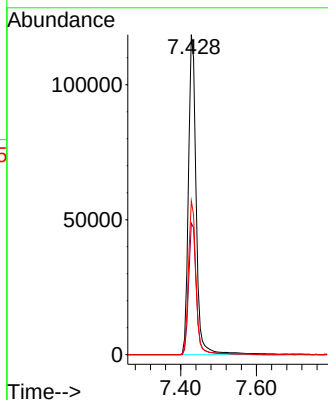
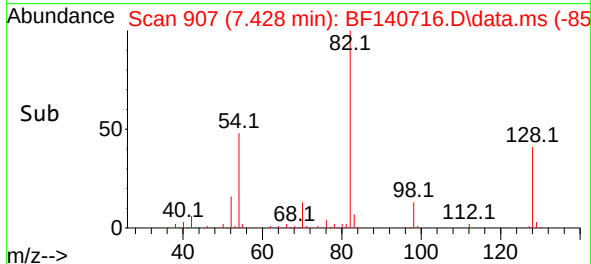
Instrument :
BNA_F
ClientSampleId :
SU-04-11222024DL



Tgt Ion: 82 Resp: 16795
Ion Ratio Lower Upper
82 100
128 41.1 33.0 49.4
54 48.0 39.5 59.3

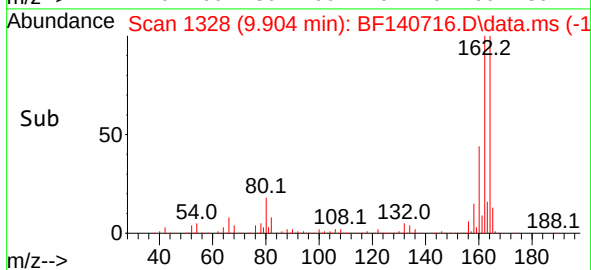
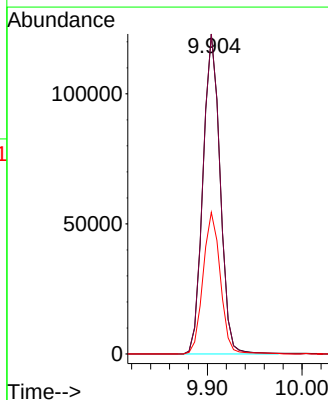
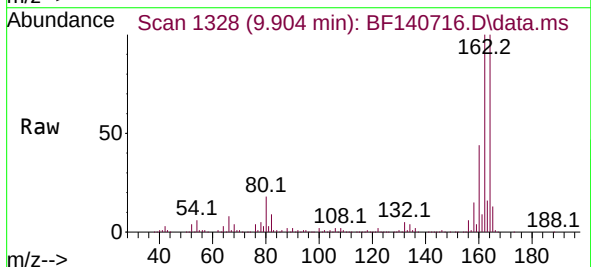
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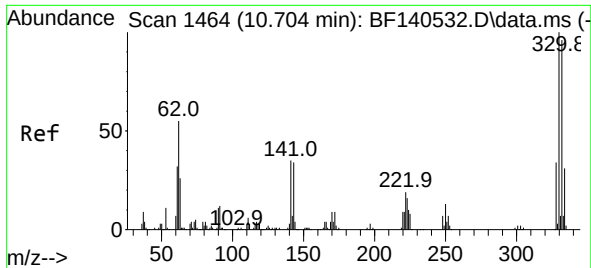
Reviewed By :Jagrut Upadhyay 12/04/2024
Supervised By :mohammad ahmed 12/05/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF140716.D
Acq: 03 Dec 2024 17:34

Tgt Ion:164 Resp: 153756
Ion Ratio Lower Upper
164 100
162 99.9 80.6 120.8
160 44.2 36.2 54.4





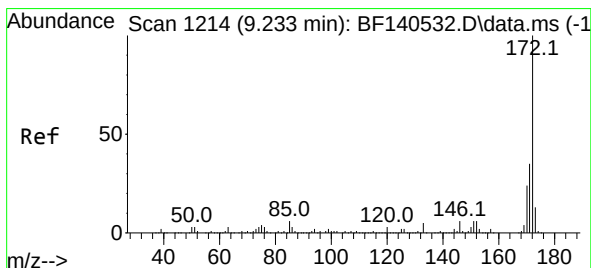
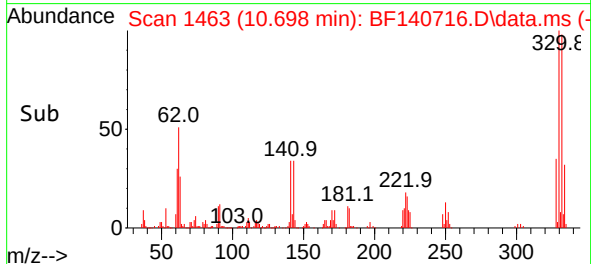
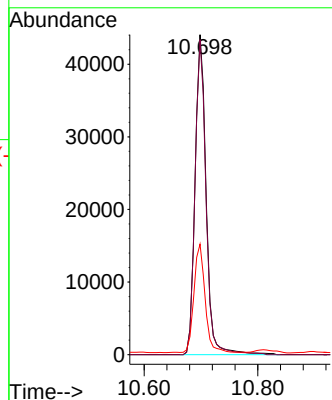
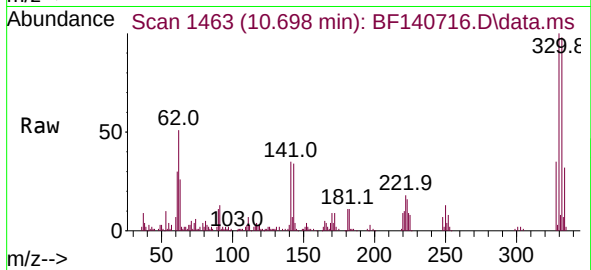
#42
2,4,6-Tribromophenol
Concen: 36.524 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF140716.D
Acq: 03 Dec 2024 17:34

Instrument :
BNA_F
ClientSampleId :
SU-04-11222024DL

Tgt Ion: 330 Resp: 60062
Ion Ratio Lower Upper
330 100
332 97.4 76.9 115.3
141 34.2 26.7 40.1

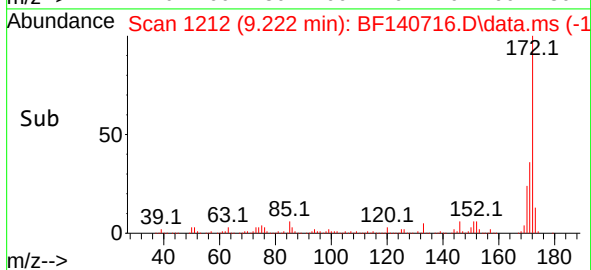
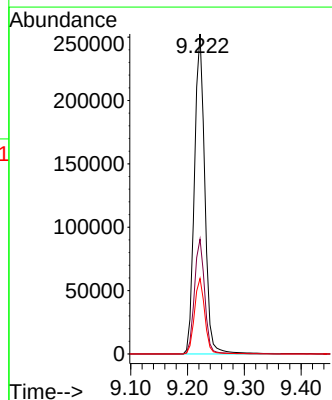
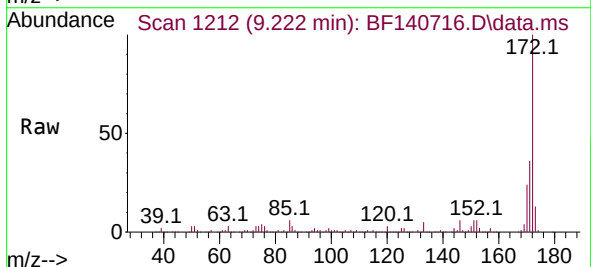
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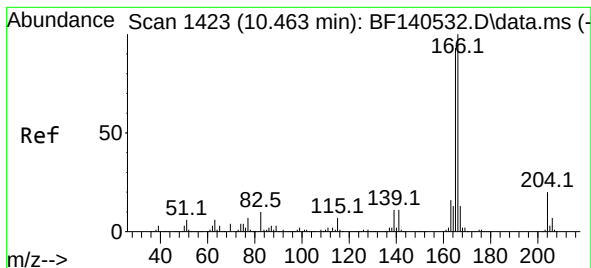
Reviewed By :Jagrut Upadhyay 12/04/2024
Supervised By :mohammad ahmed 12/05/2024



#45
2-Fluorobiphenyl
Concen: 31.304 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.012 min
Lab File: BF140716.D
Acq: 03 Dec 2024 17:34

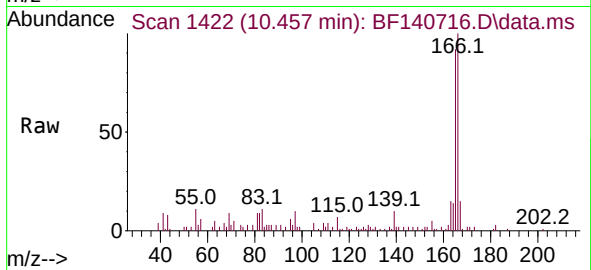
Tgt Ion: 172 Resp: 323041
Ion Ratio Lower Upper
172 100
171 35.9 28.4 42.6
170 23.6 19.0 28.6





#58
Fluorene
Concen: 2.017 ng
RT: 10.457 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF140716.D
Acq: 03 Dec 2024 17:34

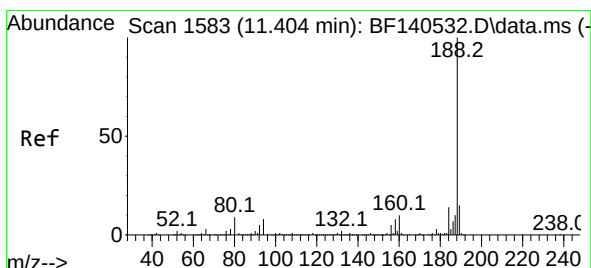
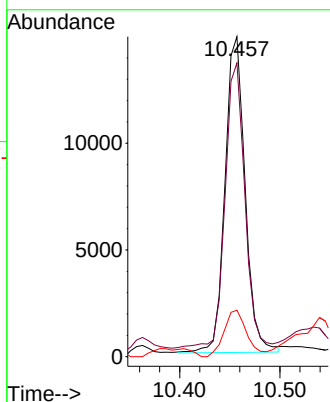
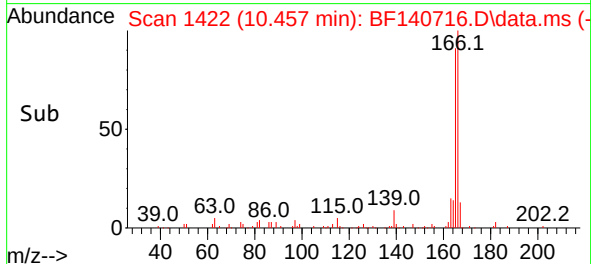
Instrument :
BNA_F
ClientSampleId :
SU-04-11222024DL



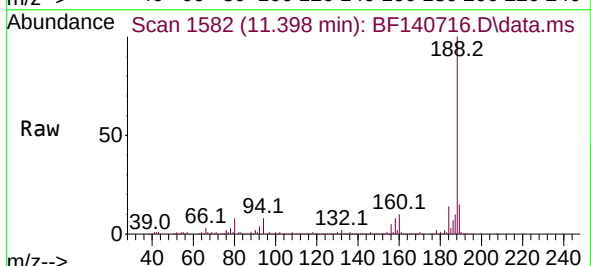
Tgt Ion:166 Resp: 2062
Ion Ratio Lower Upper
166 100
165 91.8 74.6 111.8
167 14.6 10.6 16.0

Manual Integrations
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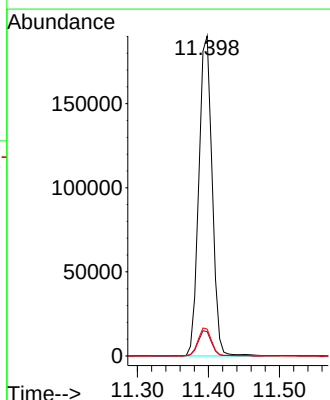
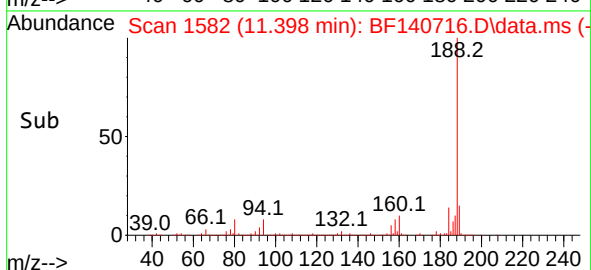
Reviewed By :Jagrut Upadhyay 12/04/2024
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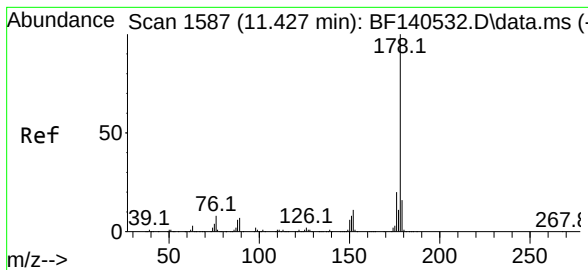


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.006 min
Lab File: BF140716.D
Acq: 03 Dec 2024 17:34



Tgt Ion:188 Resp: 248875
Ion Ratio Lower Upper
188 100
94 7.6 6.4 9.6
80 8.4 6.9 10.3





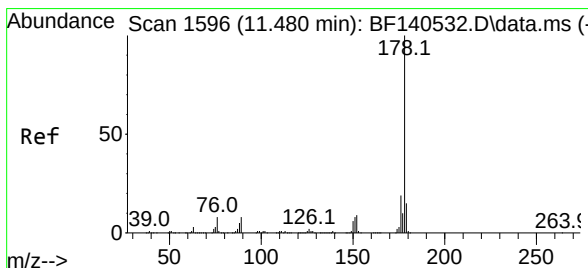
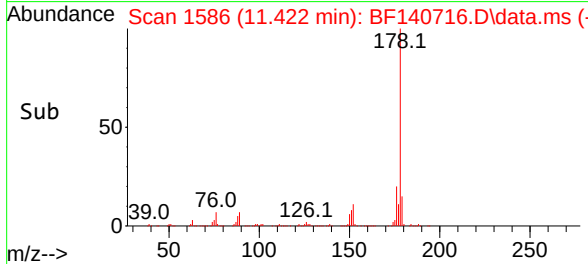
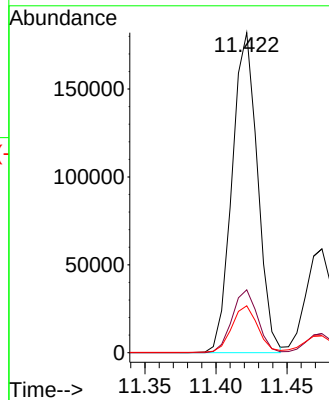
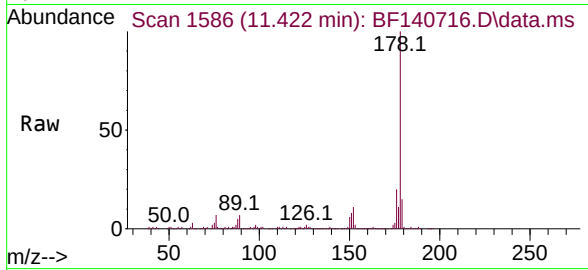
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Phenanthrene
Concen: 18.961 ng
RT: 11.422 min Scan# 1587
Delta R.T. -0.006 min
Lab File: BF140716.D
Acq: 03 Dec 2024 17:34

Instrument :
BNA_F
ClientSampleId :
SU-04-11222024DL

Tgt Ion:178 Resp: 22683
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.6
179 14.7 12.4 18.6

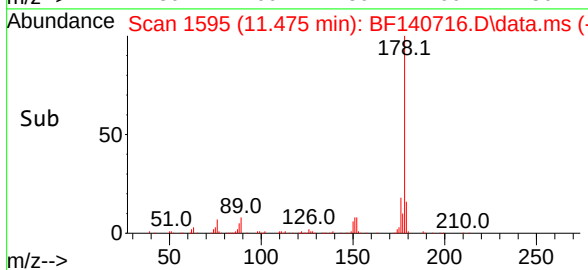
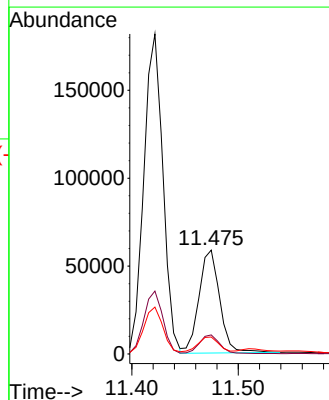
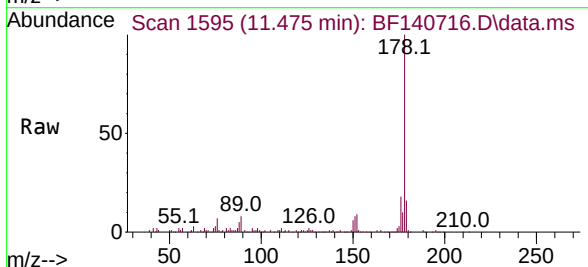
Manual Integrations
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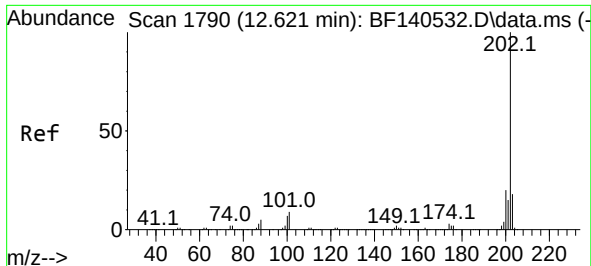
Reviewed By :Jagrut Upadhyay 12/04/2024
Supervised By :mohammad ahmed 12/05/2024



#72
Anthracene
Concen: 6.799 ng
RT: 11.475 min Scan# 1595
Delta R.T. -0.006 min
Lab File: BF140716.D
Acq: 03 Dec 2024 17:34

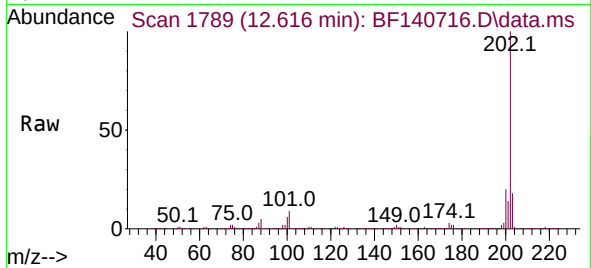
Tgt Ion:178 Resp: 79560
Ion Ratio Lower Upper
178 100
176 18.4 15.0 22.4
179 16.4 12.2 18.4





#75
Fluoranthene
Concen: 39.379 ng
RT: 12.616 min Scan# 1789
Delta R.T. -0.006 min
Lab File: BF140716.D
Acq: 03 Dec 2024 17:34

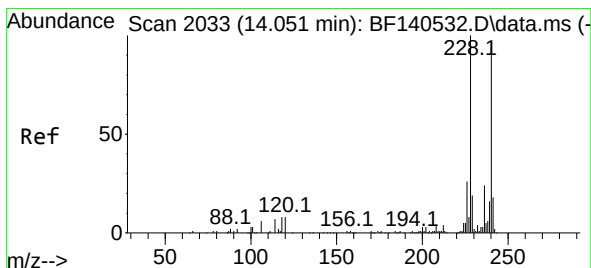
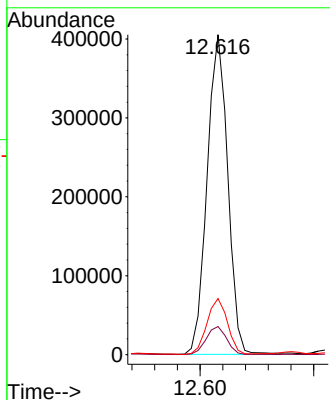
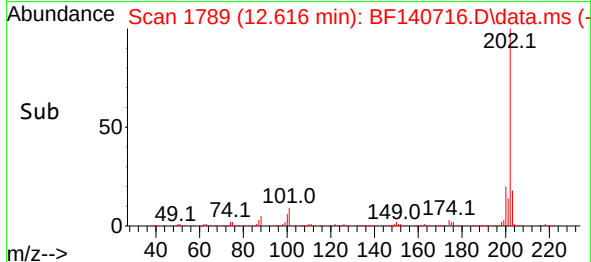
Instrument :
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ClientSampleId :
SU-04-11222024DL



Tgt Ion:202 Resp: 511490
Ion Ratio Lower Upper
202 100
101 8.8 0.0 28.9
203 17.6 0.0 37.6

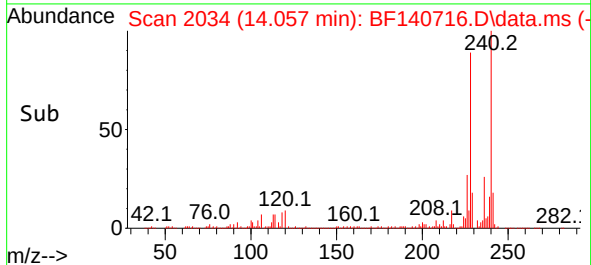
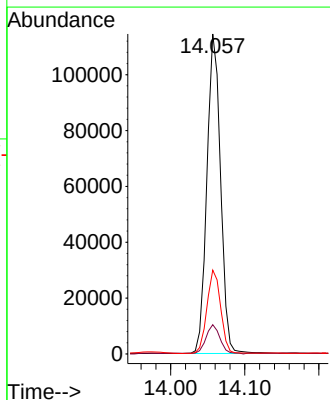
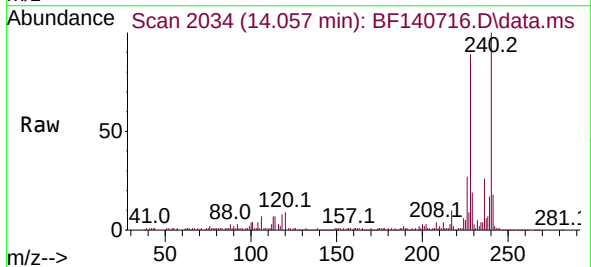
Manual Integrations
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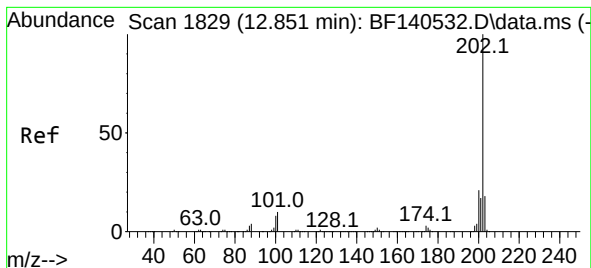
Reviewed By :Jagrut Upadhyay 12/04/2024
Supervised By :mohammad ahmed 12/05/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BF140716.D
Acq: 03 Dec 2024 17:34

Tgt Ion:240 Resp: 146599
Ion Ratio Lower Upper
240 100
120 9.1 7.3 10.9
236 26.2 20.6 31.0





#78

Pyrene

Concen: 32.821 ng

RT: 12.845 min Scan# 1828

Delta R.T. -0.006 min

Lab File: BF140716.D

Acq: 03 Dec 2024 17:34

Instrument :

BNA_F

ClientSampleId :

SU-04-11222024DL

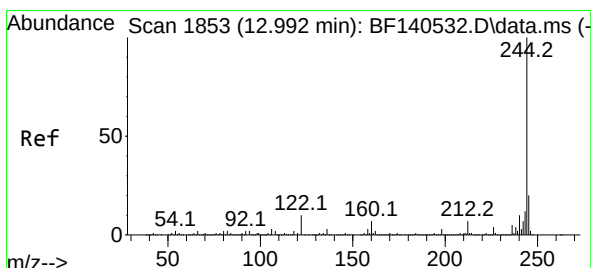
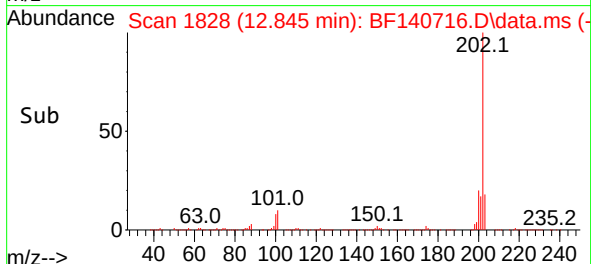
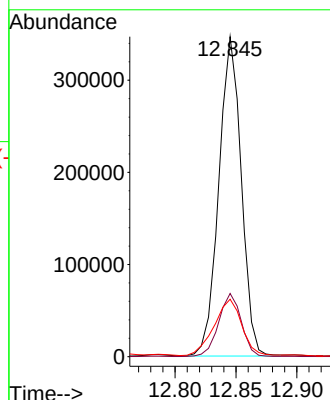
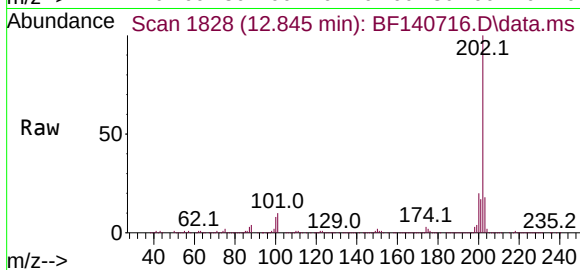
Tgt Ion:202 Resp: 44489

Ion	Ratio	Lower	Upper
202	100		
200	19.8	16.5	24.7
203	17.9	14.2	21.4

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Reviewed By :Jagrut Upadhyay 12/04/2024
Supervised By :mohammad ahmed 12/05/2024



#79

Terphenyl-d14

Concen: 25.911 ng

RT: 12.980 min Scan# 1851

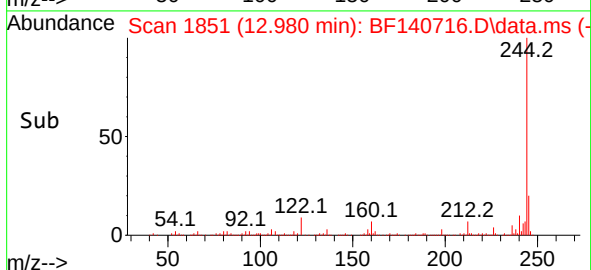
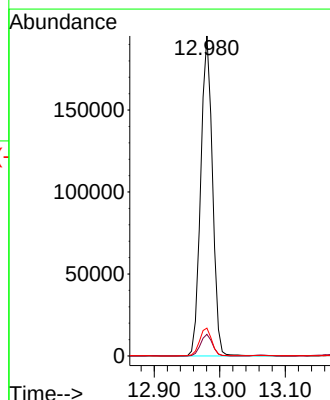
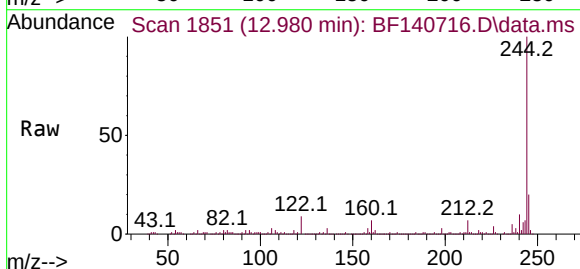
Delta R.T. -0.012 min

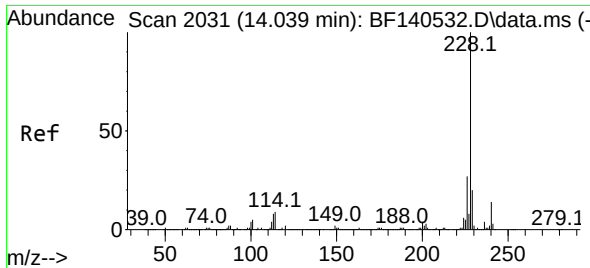
Lab File: BF140716.D

Acq: 03 Dec 2024 17:34

Tgt Ion:244 Resp: 243943

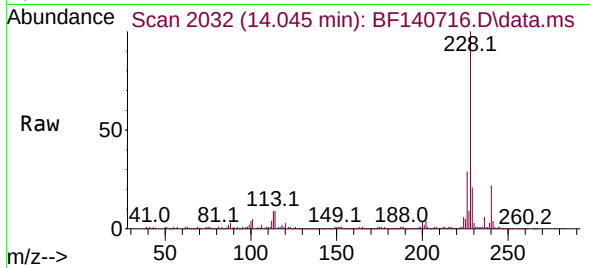
Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.8	8.8
122	8.7	8.0	12.0





#81
Benzo(a)anthracene
Concen: 24.873 ng
RT: 14.045 min Scan# 2031
Delta R.T. 0.006 min
Lab File: BF140716.D
Acq: 03 Dec 2024 17:34

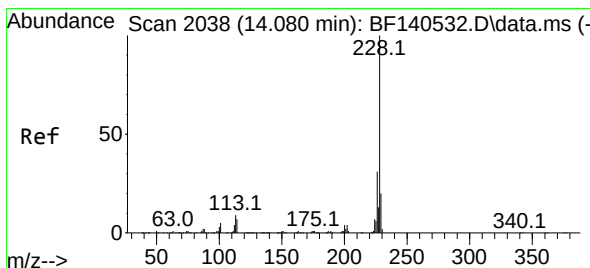
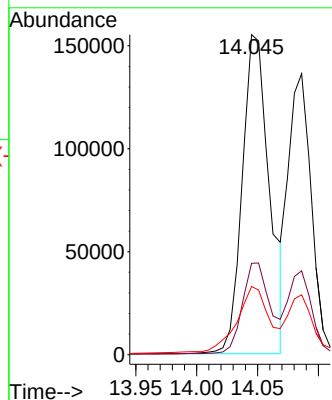
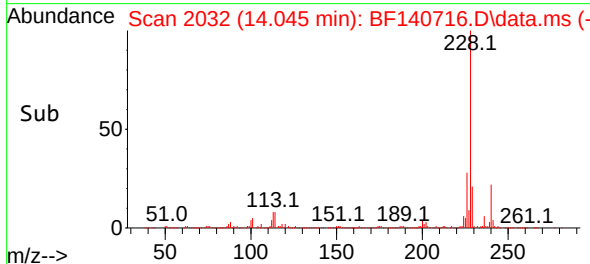
Instrument :
BNA_F
ClientSampleId :
SU-04-11222024DL



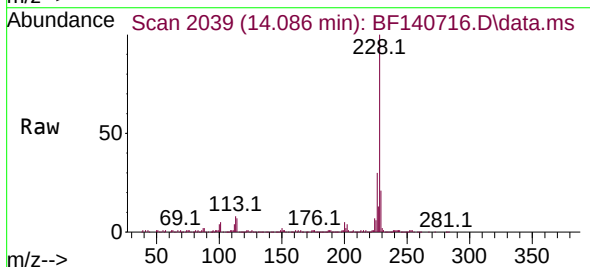
Tgt Ion:228 Resp: 241372
Ion Ratio Lower Upper
228 100
226 28.6 21.8 32.8
229 21.3 15.8 23.6

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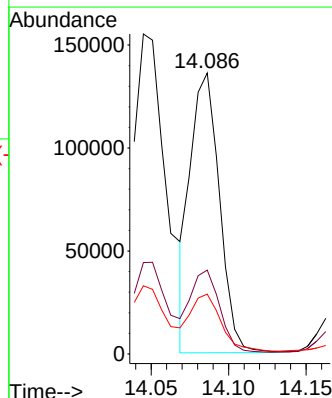
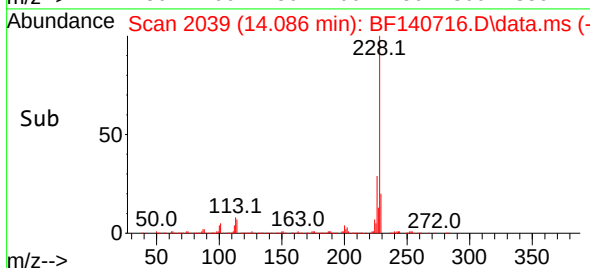
Reviewed By :Jagrut Upadhyay 12/04/2024
Supervised By :mohammad ahmed 12/05/2024

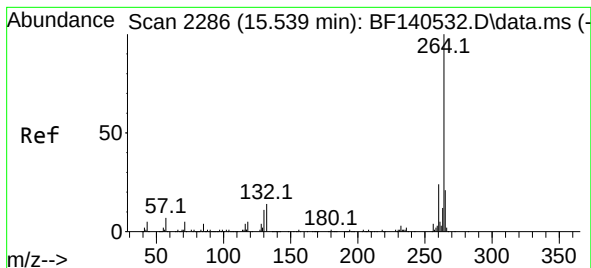


#83
Chrysene
Concen: 19.987 ng
RT: 14.086 min Scan# 2039
Delta R.T. 0.006 min
Lab File: BF140716.D
Acq: 03 Dec 2024 17:34



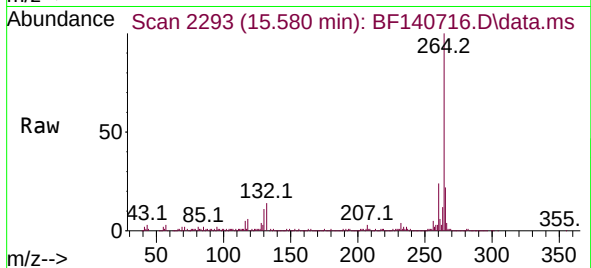
Tgt Ion:228 Resp: 177358
Ion Ratio Lower Upper
228 100
226 29.8 24.4 36.6
229 21.3 15.8 23.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 21
Delta R.T. 0.041 min
Lab File: BF140716.D
Acq: 03 Dec 2024 17:34

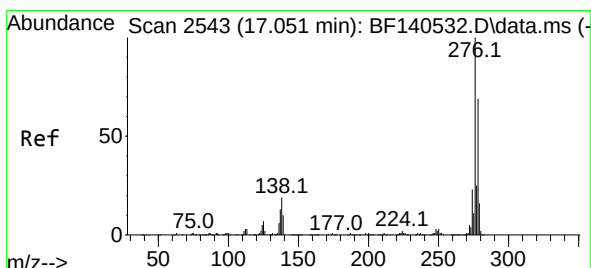
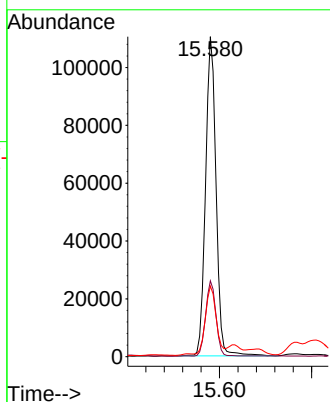
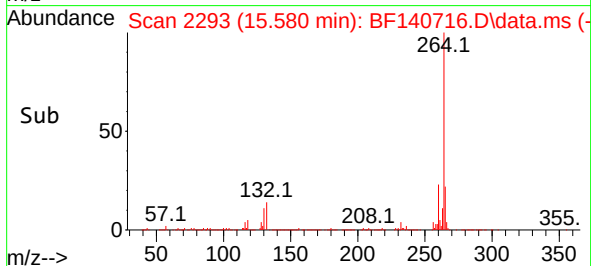
Instrument :
BNA_F
ClientSampleId :
SU-04-11222024DL



Tgt Ion:264 Resp: 175940
Ion Ratio Lower Upper
264 100
260 23.7 19.0 28.6
265 22.0 16.6 25.0

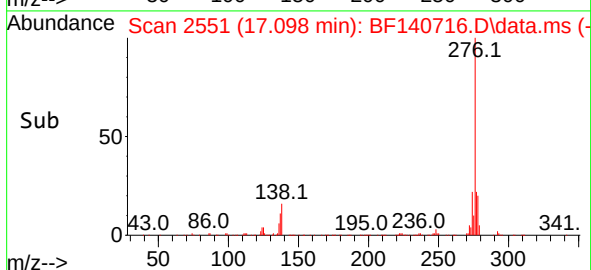
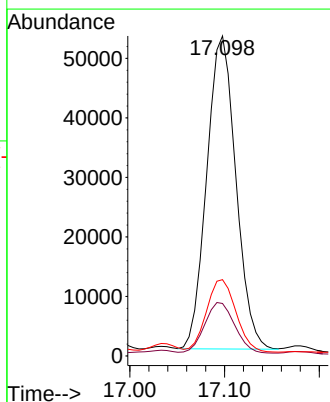
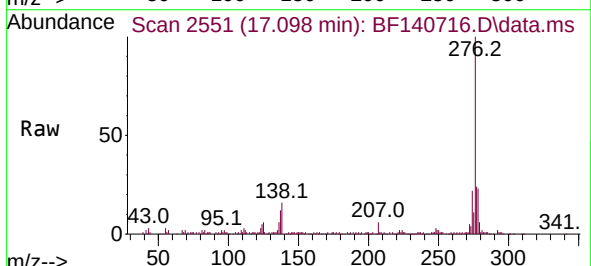
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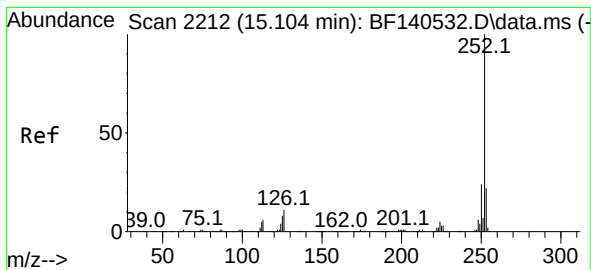
Reviewed By :Jagrut Upadhyay 12/04/2024
Supervised By :mohammad ahmed 12/05/2024



#87
Indeno(1,2,3-cd)pyrene
Concen: 9.803 ng
RT: 17.098 min Scan# 2551
Delta R.T. 0.047 min
Lab File: BF140716.D
Acq: 03 Dec 2024 17:34

Tgt Ion:276 Resp: 112409
Ion Ratio Lower Upper
276 100
138 17.2 15.5 23.3
277 23.6 20.1 30.1





#88

Benzo(b)fluoranthene

Concen: 24.720 ng m

RT: 15.145 min Scan# 2219

Delta R.T. 0.041 min

Lab File: BF140716.D

Acq: 03 Dec 2024 17:34

Instrument :

BNA_F

ClientSampleId :

SU-04-11222024DL

Tgt Ion:252 Resp: 273189

Ion Ratio Lower Upper

252 100

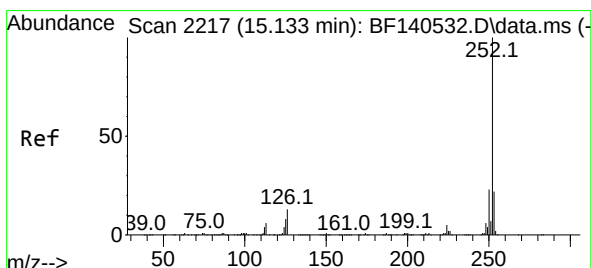
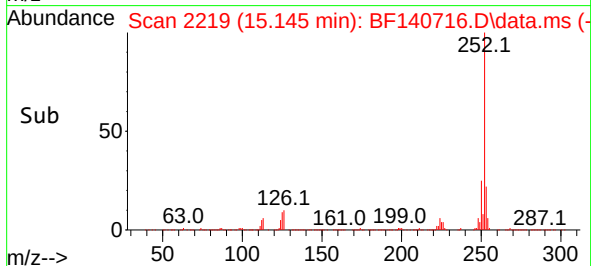
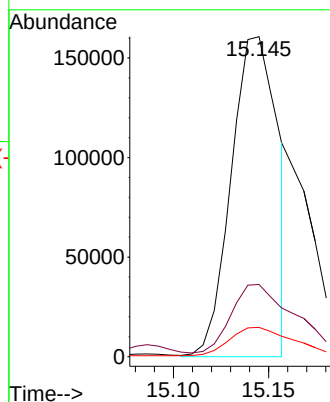
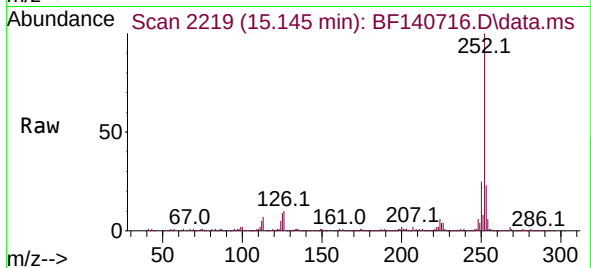
253 22.5 17.2 25.8

125 9.1 6.7 10.1

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Reviewed By :Jagrut Upadhyay 12/04/2024
Supervised By :mohammad ahmed 12/05/2024



#89

Benzo(k)fluoranthene

Concen: 10.459 ng m

RT: 15.157 min Scan# 2221

Delta R.T. 0.024 min

Lab File: BF140716.D

Acq: 03 Dec 2024 17:34

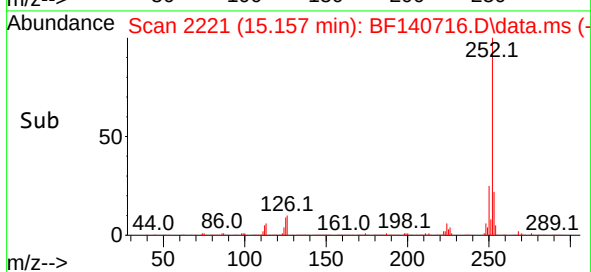
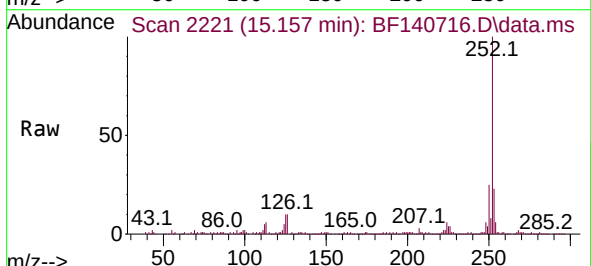
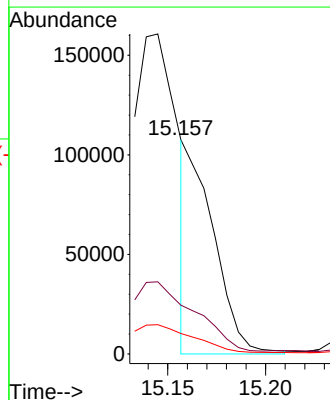
Tgt Ion:252 Resp: 101150

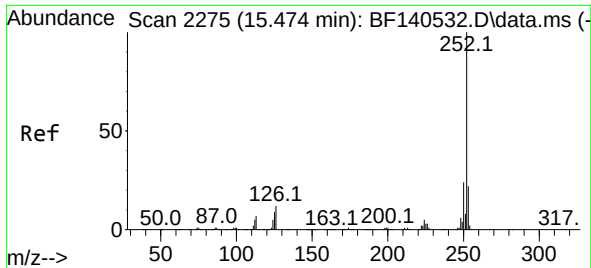
Ion Ratio Lower Upper

252 100

253 22.8 17.5 26.3

125 9.5 6.5 9.7





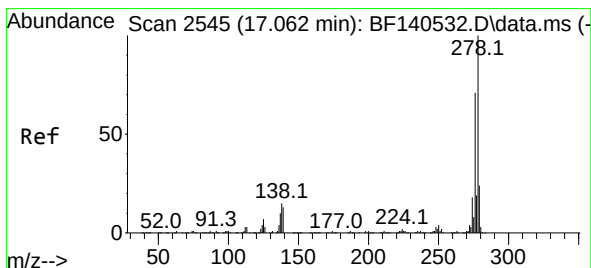
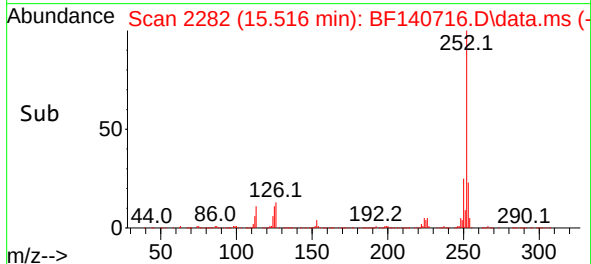
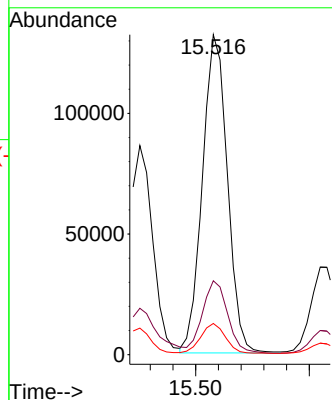
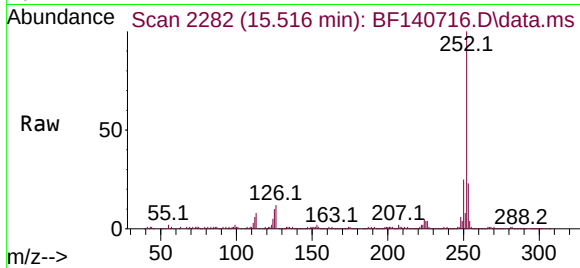
#90
Benzo(a)pyrene
Concen: 22.459 ng
RT: 15.516 min Scan# 201814
Delta R.T. 0.041 min
Lab File: BF140716.D
Acq: 03 Dec 2024 17:34

Instrument :
BNA_F
ClientSampleId :
SU-04-11222024DL

Tgt Ion:252 Resp: 201814
Ion Ratio Lower Upper
252 100
253 23.1 17.3 25.9
125 9.7 7.0 10.6

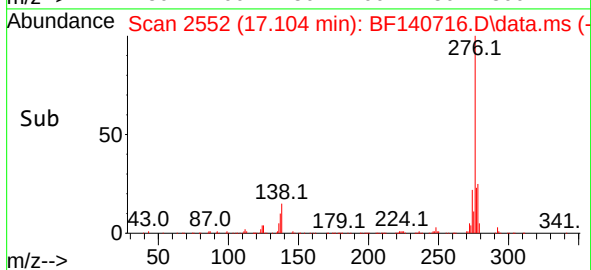
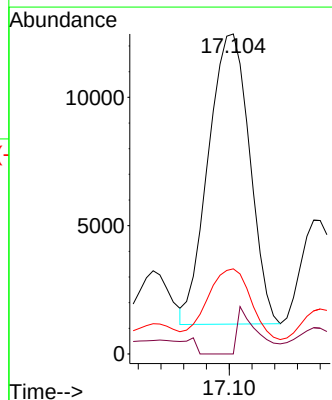
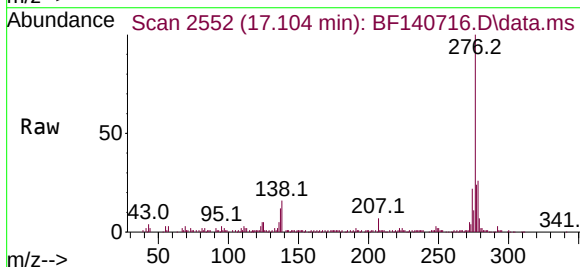
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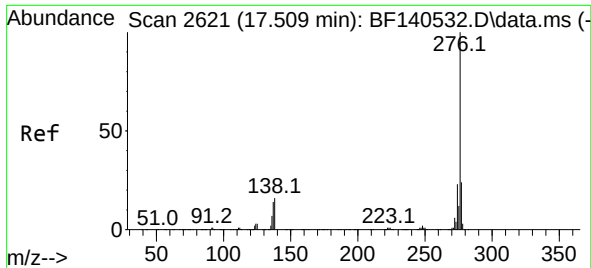
Reviewed By :Jagrut Upadhyay 12/04/2024
Supervised By :mohammad ahmed 12/05/2024



#91
Dibenzo(a,h)anthracene
Concen: 3.036 ng
RT: 17.104 min Scan# 2552
Delta R.T. 0.041 min
Lab File: BF140716.D
Acq: 03 Dec 2024 17:34

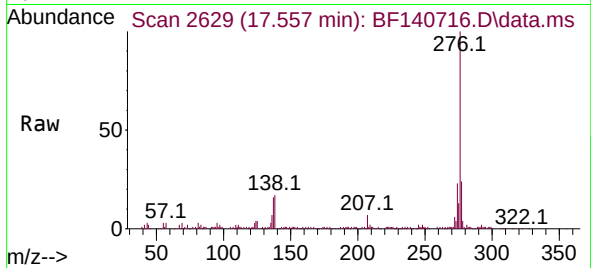
Tgt Ion:278 Resp: 28510
Ion Ratio Lower Upper
278 100
139 0.0 10.2 15.4#
279 26.6 18.9 28.3





#92
 Benzo(g,h,i)perylene
 Concen: 10.714 ng
 RT: 17.557 min Scan# 20
 Delta R.T. 0.047 min
 Lab File: BF140716.D
 Acq: 03 Dec 2024 17:34

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-11222024DL



Tgt Ion:276 Resp: 10266
 Ion Ratio Lower Upper
 276 100
 277 23.7 18.9 28.3
 138 16.6 13.2 19.8

Manual Integrations
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Reviewed By :Jagrut Upadhyay 12/04/2024
 Supervised By :mohammad ahmed 12/05/2024

