

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120324\
 Data File : BF140717.D
 Acq On : 03 Dec 2024 18:00
 Operator : RC/JU
 Sample : P5052-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-640-COMP-50

Manual Integrations
 APPROVED

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

Quant Time: Dec 03 22:14:59 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	77056	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	285889	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	153667	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	261474	20.000	ng	0.00
76) Chrysene-d12	14.057	240	145739	20.000	ng	0.00
86) Perylene-d12	15.574	264	172979	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	368045	81.494	ng	0.00
7) Phenol-d6	6.510	99	482292	80.779	ng	0.00
23) Nitrobenzene-d5	7.433	82	316546	56.635	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	126517	76.981	ng	0.00
45) 2-Fluorobiphenyl	9.222	172	612349	59.373	ng	-0.01
79) Terphenyl-d14	12.980	244	503447	53.790	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.421	178	213594	16.994	ng	98
72) Anthracene	11.474	178	29262	2.380	ng	97
73) Carbazole	11.633	167	28117	2.377	ng	98
75) Fluoranthene	12.616	202	403907	29.598	ng	99
78) Pyrene	12.845	202	325054	24.122	ng	98
81) Benzo(a)anthracene	14.045	228	122063	12.653	ng	99
83) Chrysene	14.080	228	120330	13.641	ng	98
87) Indeno(1,2,3-cd)pyrene	17.092	276	75992	6.741	ng	98
88) Benzo(b)fluoranthene	15.139	252	161925m	14.903	ng	
89) Benzo(k)fluoranthene	15.151	252	70567m	7.422	ng	
90) Benzo(a)pyrene	15.515	252	113403	12.837	ng	98
92) Benzo(g,h,i)perylene	17.550	276	71502	7.590	ng	97

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

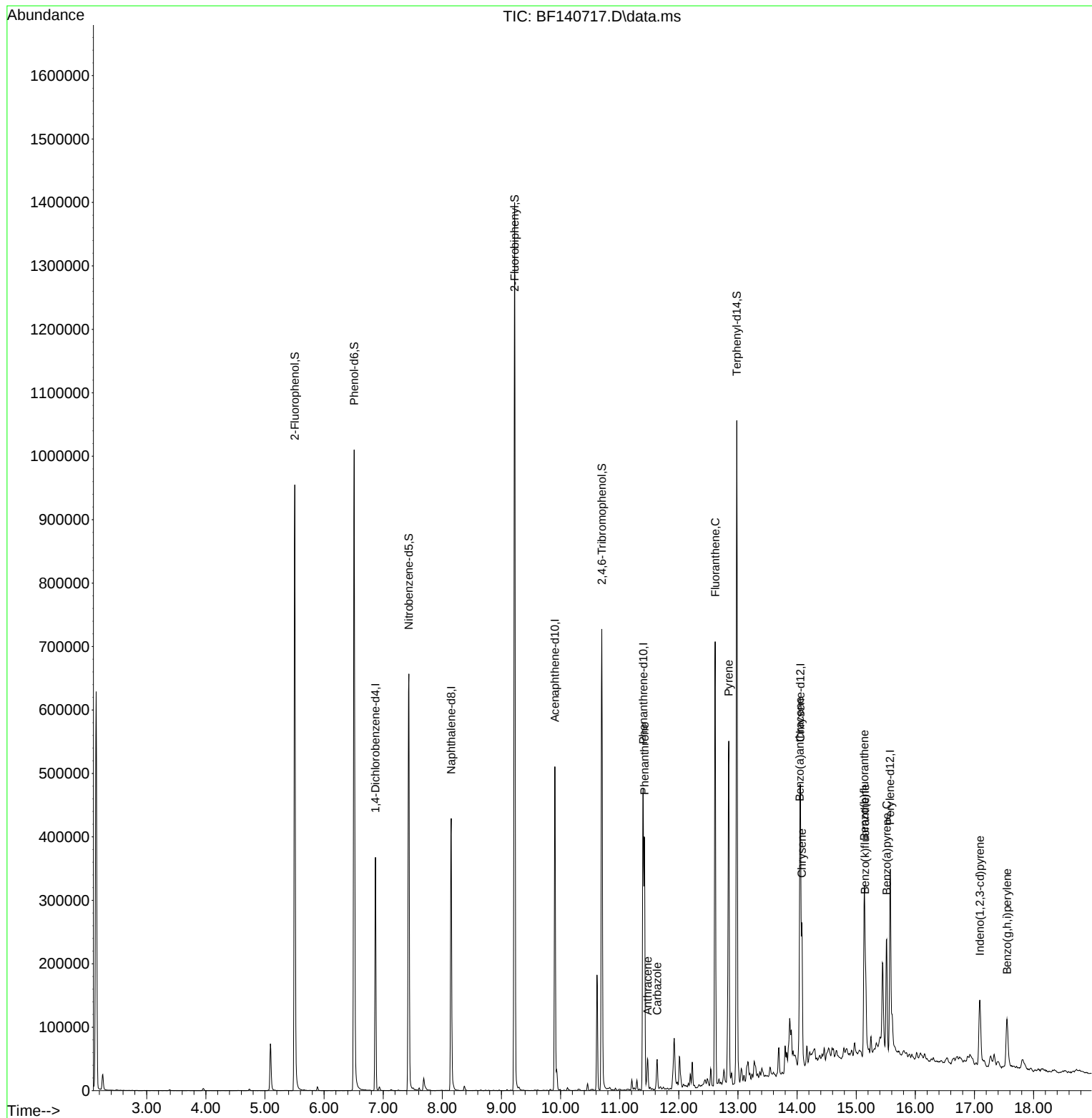
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120324\
Data File : BF140717.D
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Operator : RC/JU
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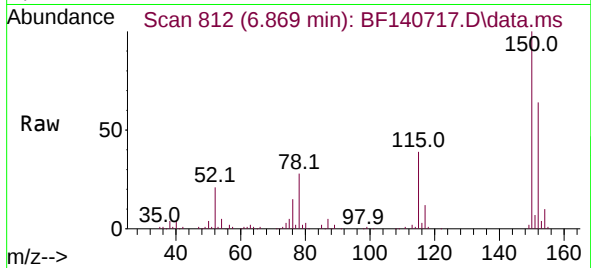
Reviewed By :Jagrut Upadhyay 12/04/2024
Supervised By :mohammad ahmed 12/05/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF140717.D
Acq: 03 Dec 2024 18:00

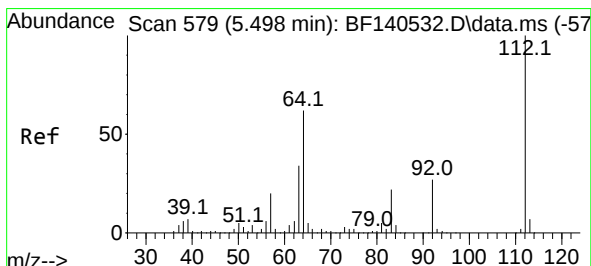
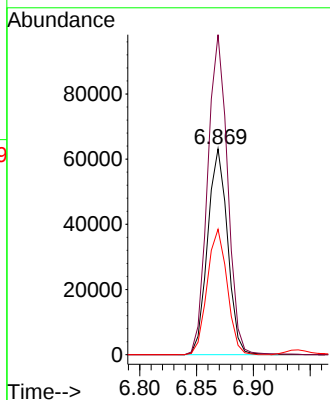
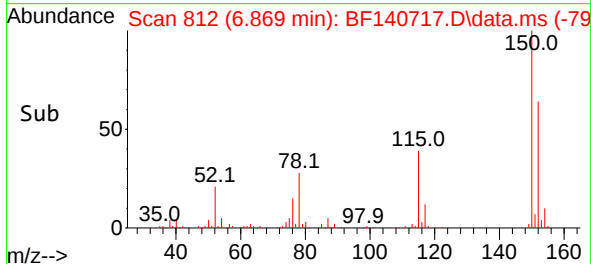
Instrument :
BNA_F
ClientSampleId :
OR-640-COMP-50



Tgt Ion:152 Resp: 77050
Ion Ratio Lower Upper
152 100
150 155.4 128.5 192.7
115 60.9 50.2 75.4

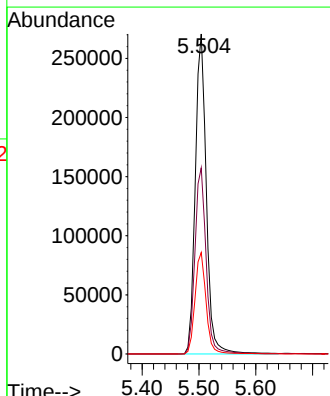
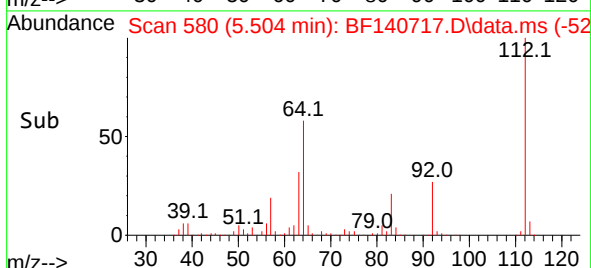
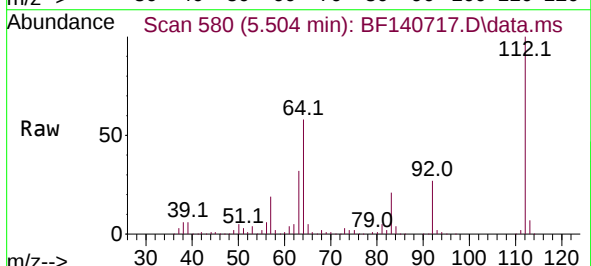
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#5
2-Fluorophenol
Concen: 81.494 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF140717.D
Acq: 03 Dec 2024 18:00

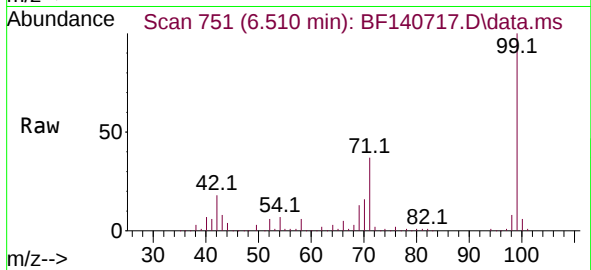
Tgt Ion:112 Resp: 368045
Ion Ratio Lower Upper
112 100
64 58.1 49.2 73.8
63 31.7 27.0 40.4





#7
Phenol-d6
Concen: 80.779 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF140717.D
Acq: 03 Dec 2024 18:00

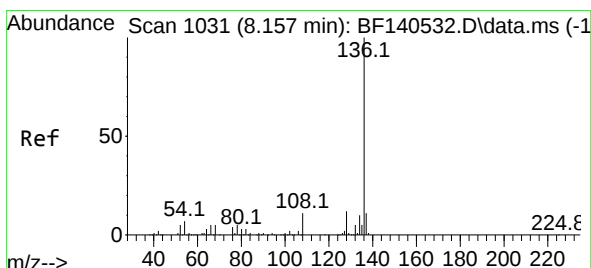
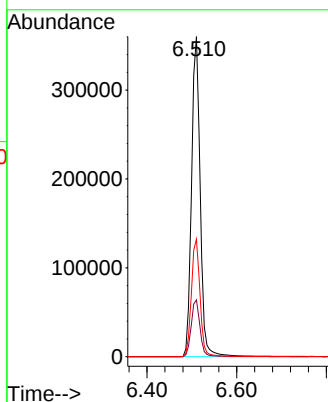
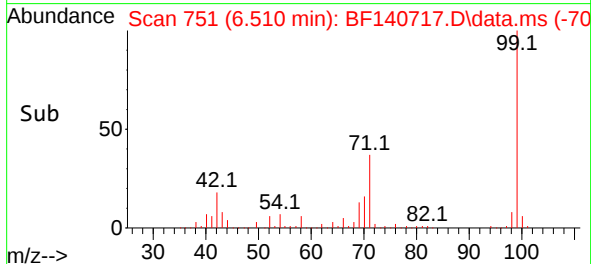
Instrument :
BNA_F
ClientSampleId :
OR-640-COMP-50



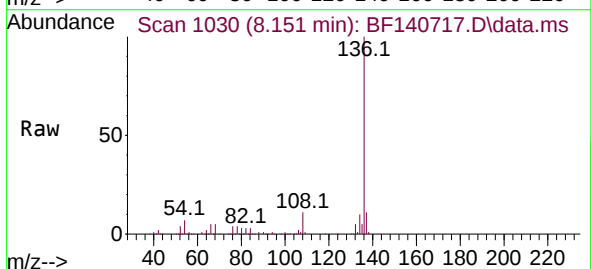
Tgt Ion: 99 Resp: 482292
Ion Ratio Lower Upper
99 100
42 17.7 15.4 23.0
71 36.8 30.6 46.0

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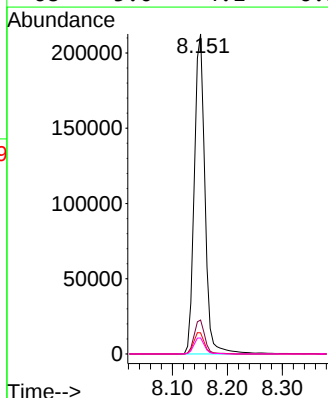
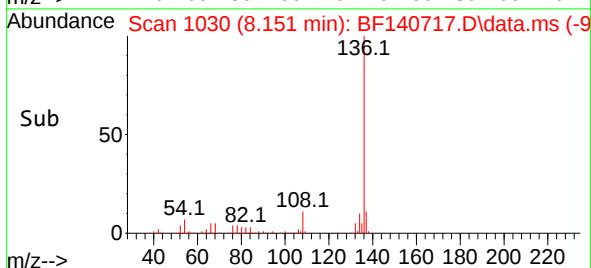
Reviewed By :Jagrut Upadhyay 12/04/2024
Supervised By :mohammad ahmed 12/05/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF140717.D
Acq: 03 Dec 2024 18:00



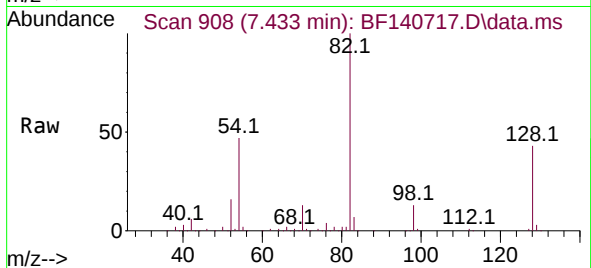
Tgt Ion:136 Resp: 285889
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 6.6 5.8 8.8
68 5.0 4.1 6.1





#23
Nitrobenzene-d5
Concen: 56.635 ng
RT: 7.433 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF140717.D
Acq: 03 Dec 2024 18:00

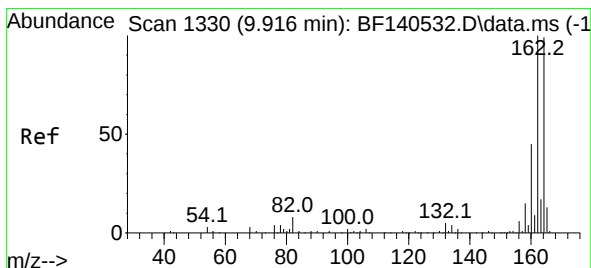
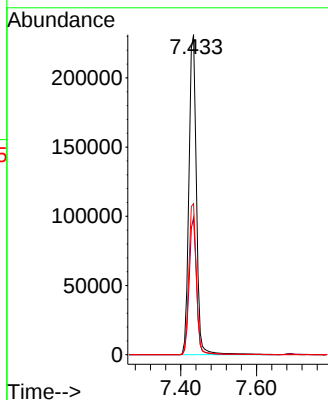
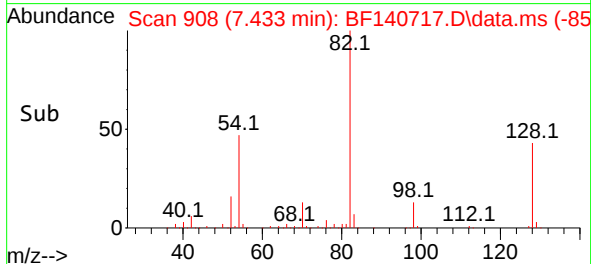
Instrument :
BNA_F
ClientSampleId :
OR-640-COMP-50



Tgt Ion: 82 Resp: 316540
Ion Ratio Lower Upper
82 100
128 42.8 33.0 49.4
54 47.2 39.5 59.3

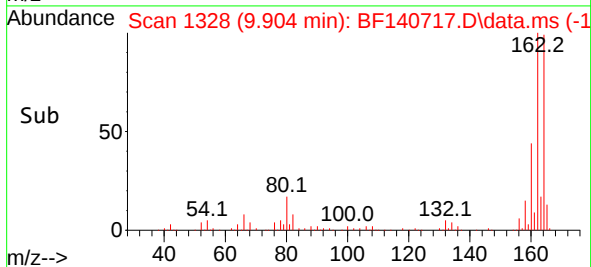
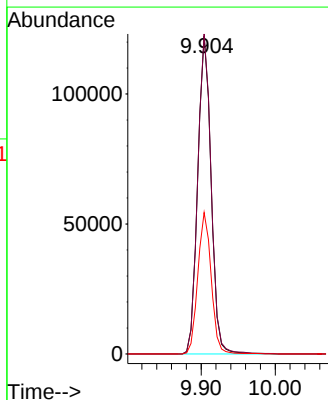
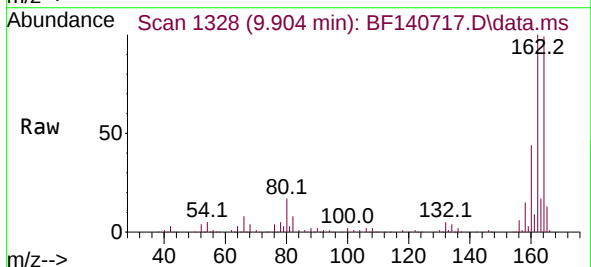
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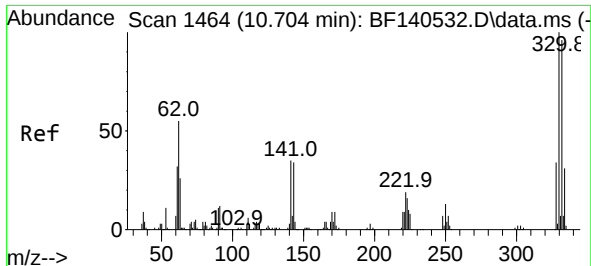
Reviewed By :Jagrut Upadhyay 12/04/2024
Supervised By :mohammad ahmed 12/05/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF140717.D
Acq: 03 Dec 2024 18:00

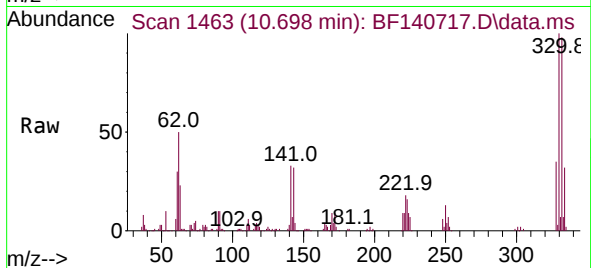
Tgt Ion:164 Resp: 153667
Ion Ratio Lower Upper
164 100
162 100.6 80.6 120.8
160 44.4 36.2 54.4





#42
2,4,6-Tribromophenol
Concen: 76.981 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.006 min
Lab File: BF140717.D
Acq: 03 Dec 2024 18:00

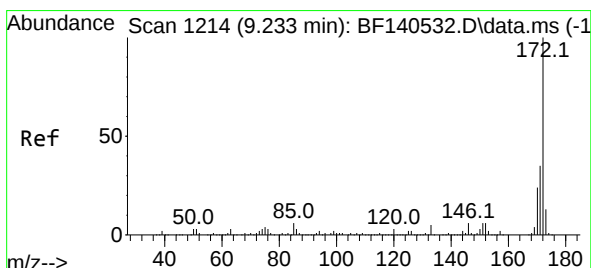
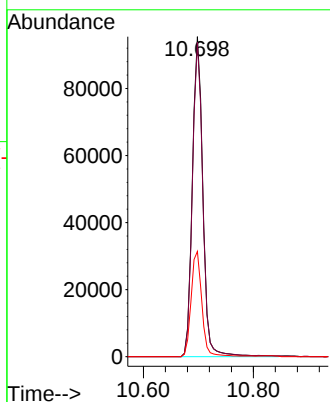
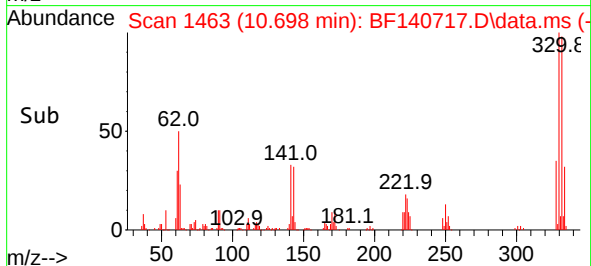
Instrument :
BNA_F
ClientSampleId :
OR-640-COMP-50



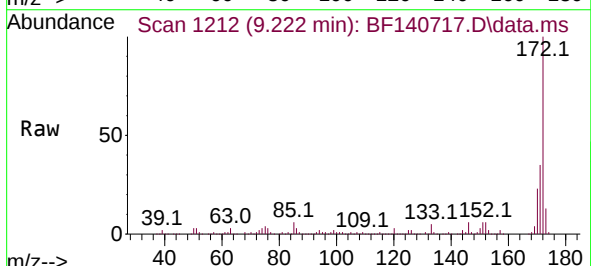
Tgt Ion: 330 Resp: 12651
Ion Ratio Lower Upper
330 100
332 98.1 76.9 115.3
141 33.8 26.7 40.1

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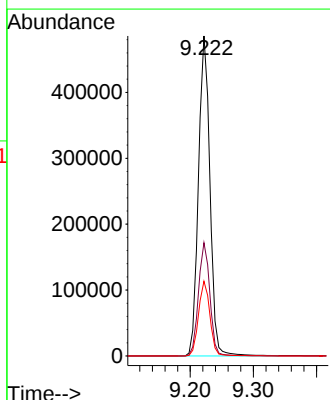
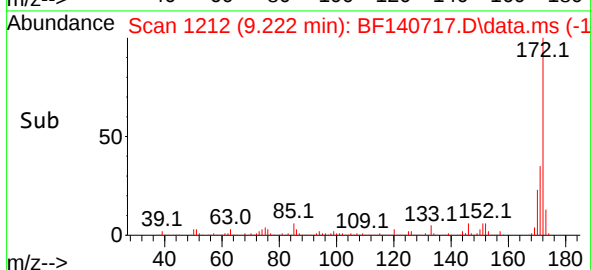
Reviewed By : Jagrut Upadhyay 12/04/2024
Supervised By : mohammad ahmed 12/05/2024

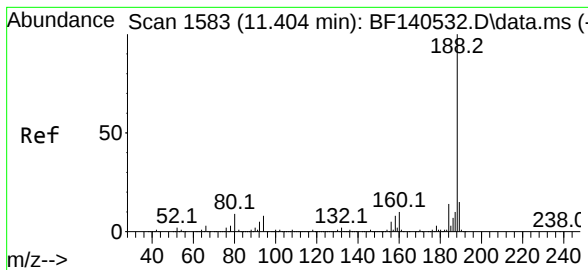


#45
2-Fluorobiphenyl
Concen: 59.373 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.012 min
Lab File: BF140717.D
Acq: 03 Dec 2024 18:00



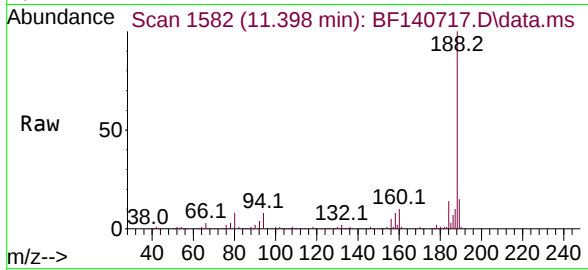
Tgt Ion: 172 Resp: 612349
Ion Ratio Lower Upper
172 100
171 35.4 28.4 42.6
170 23.3 19.0 28.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF140717.D
Acq: 03 Dec 2024 18:00

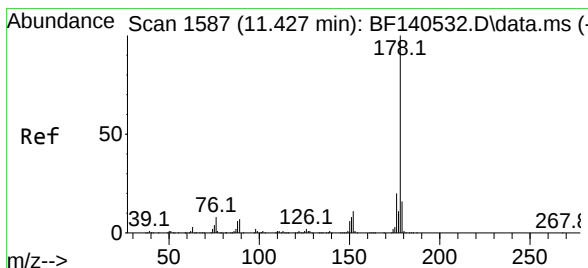
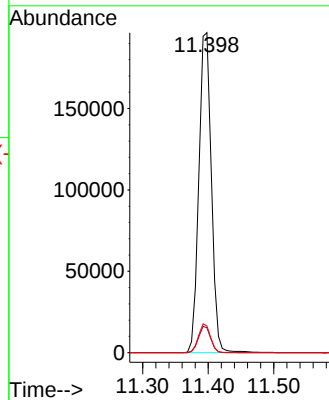
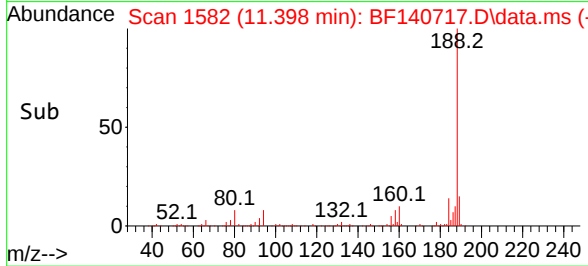
Instrument :
BNA_F
ClientSampleId :
OR-640-COMP-50



Tgt Ion:188 Resp: 261474
Ion Ratio Lower Upper
188 100
94 7.8 6.4 9.6
80 8.3 6.9 10.3

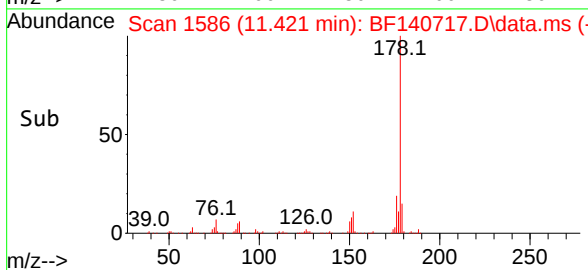
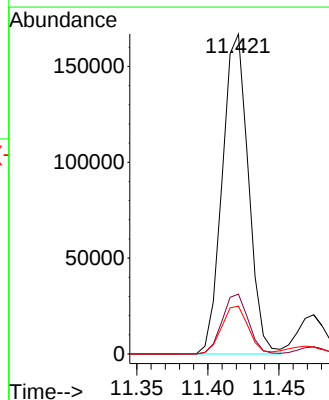
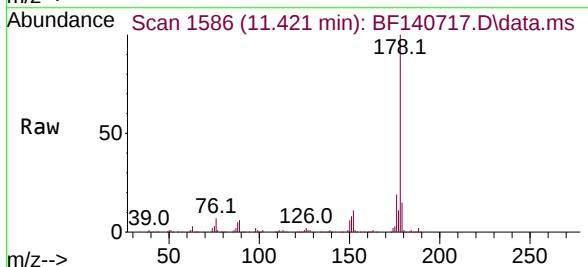
Manual Integrations
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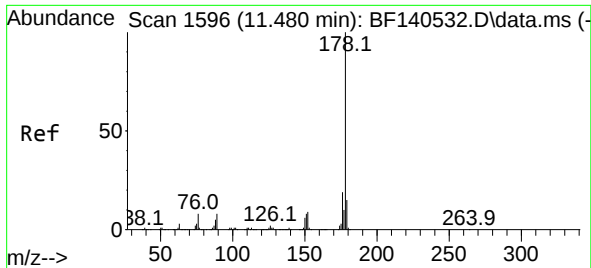
Reviewed By :Jagrut Upadhyay 12/04/2024
Supervised By :mohammad ahmed 12/05/2024



#71
Phenanthrene
Concen: 16.994 ng
RT: 11.421 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF140717.D
Acq: 03 Dec 2024 18:00

Tgt Ion:178 Resp: 213594
Ion Ratio Lower Upper
178 100
176 18.7 15.8 23.6
179 15.0 12.4 18.6





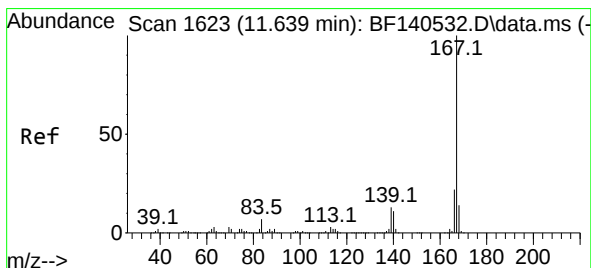
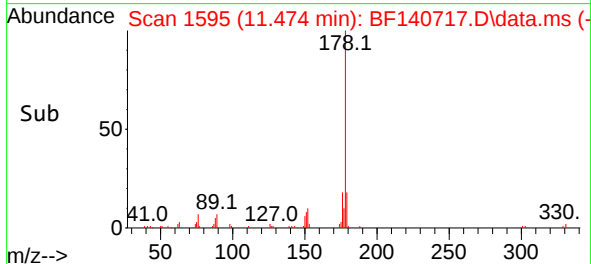
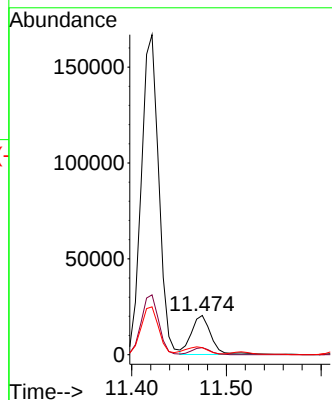
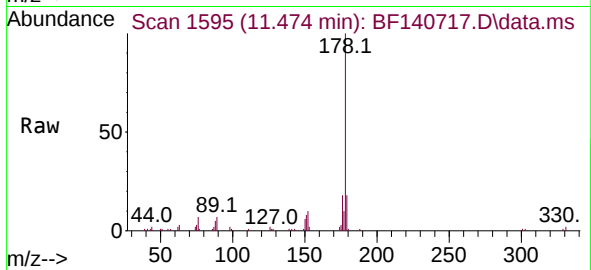
#72
 Anthracene
 Concen: 2.380 ng
 RT: 11.474 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF140717.D
 Acq: 03 Dec 2024 18:00

Instrument :
 BNA_F
 ClientSampleId :
 OR-640-COMP-50

Tgt Ion:178 Resp: 2926
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.0 22.4
 179 17.8 12.2 18.4

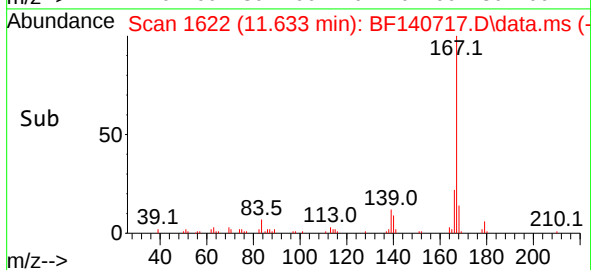
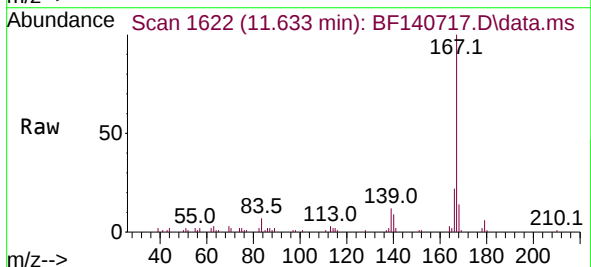
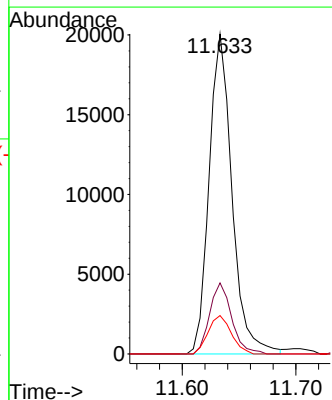
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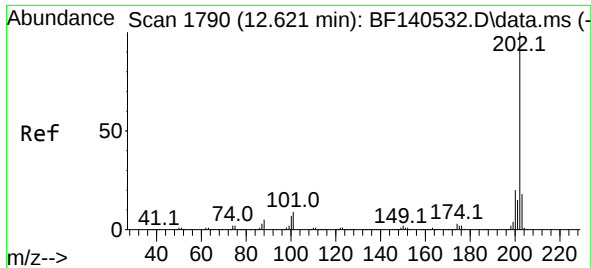
Reviewed By :Jagrut Upadhyay 12/04/2024
 Supervised By :mohammad ahmed 12/05/2024



#73
 Carbazole
 Concen: 2.377 ng
 RT: 11.633 min Scan# 1622
 Delta R.T. -0.006 min
 Lab File: BF140717.D
 Acq: 03 Dec 2024 18:00

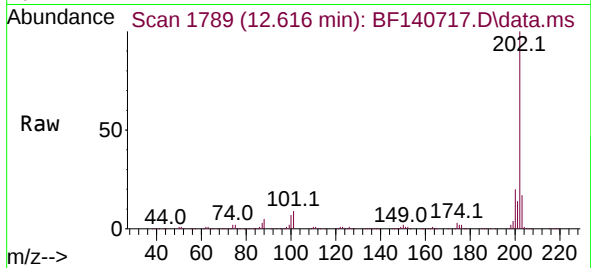
Tgt Ion:167 Resp: 28117
 Ion Ratio Lower Upper
 167 100
 166 22.2 17.2 25.8
 139 12.0 10.6 15.8





#75
Fluoranthene
Concen: 29.598 ng
RT: 12.616 min Scan# 1789
Delta R.T. -0.006 min
Lab File: BF140717.D
Acq: 03 Dec 2024 18:00

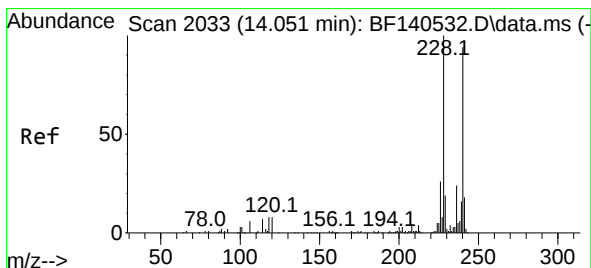
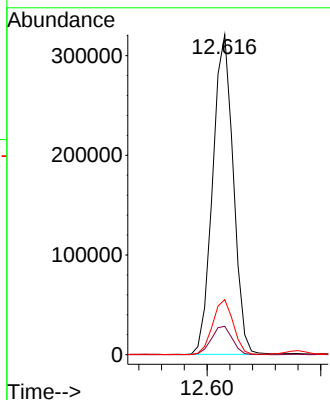
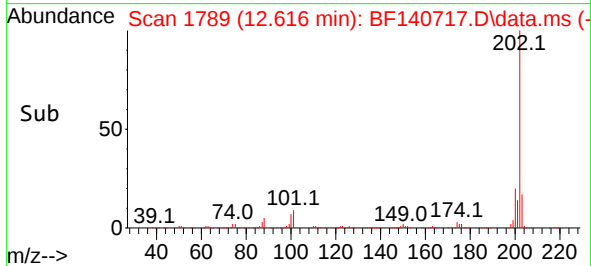
Instrument :
BNA_F
ClientSampleId :
OR-640-COMP-50



Tgt Ion:202 Resp: 40390
Ion Ratio Lower Upper
202 100
101 8.9 0.0 28.9
203 17.2 0.0 37.6

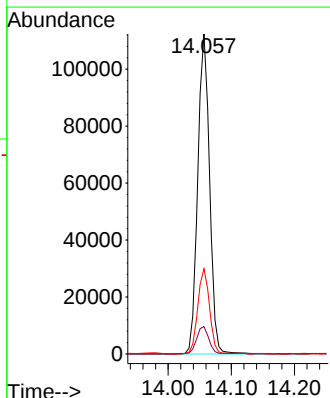
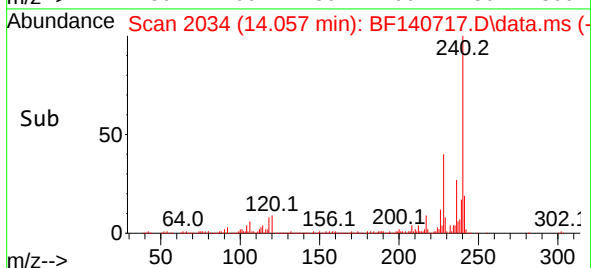
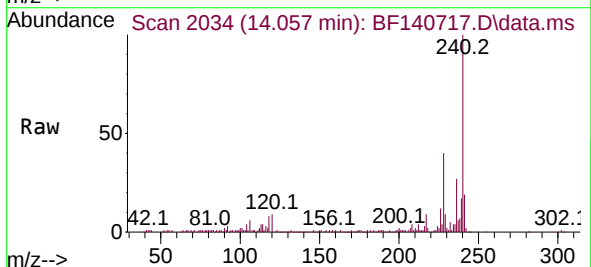
Manual Integrations
APPROVED

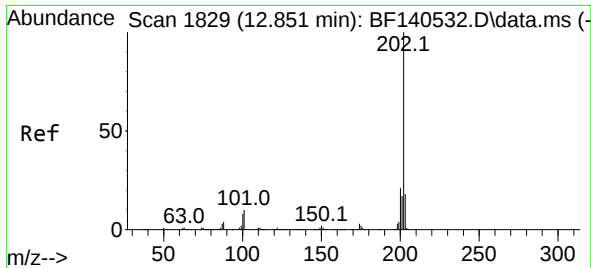
Reviewed By :Jagrut Upadhyay 12/04/2024
Supervised By :mohammad ahmed 12/05/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BF140717.D
Acq: 03 Dec 2024 18:00

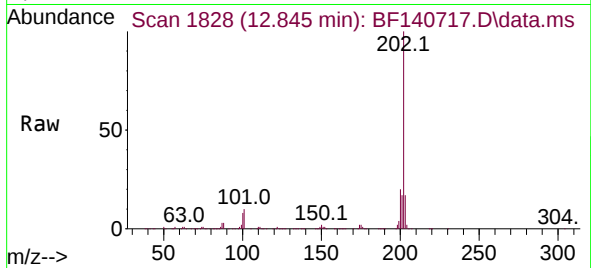
Tgt Ion:240 Resp: 145739
Ion Ratio Lower Upper
240 100
120 8.5 7.3 10.9
236 26.6 20.6 31.0





#78
Pyrene
Concen: 24.122 ng
RT: 12.845 min Scan# 1828
Delta R.T. -0.006 min
Lab File: BF140717.D
Acq: 03 Dec 2024 18:00

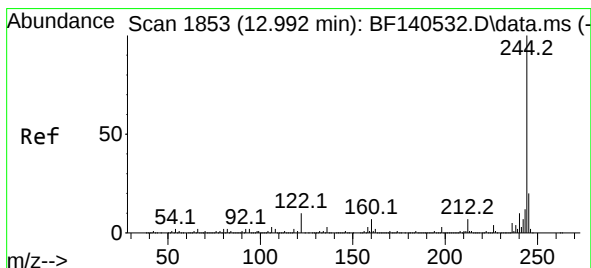
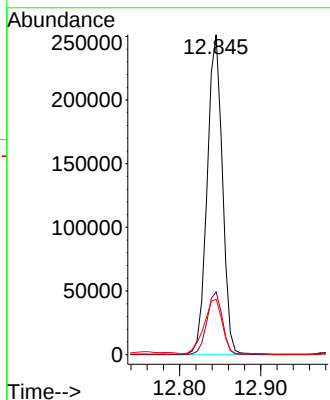
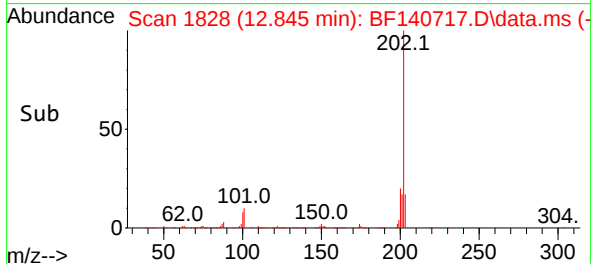
Instrument :
BNA_F
ClientSampleId :
OR-640-COMP-50



Tgt Ion:202 Resp: 325054
Ion Ratio Lower Upper
202 100
200 19.6 16.5 24.7
203 17.4 14.2 21.4

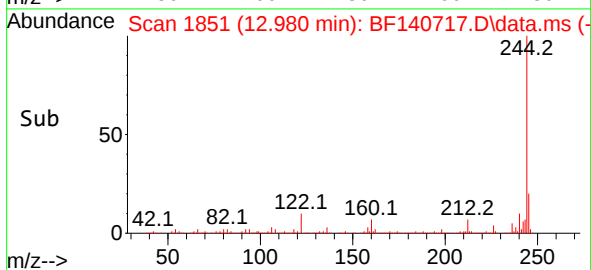
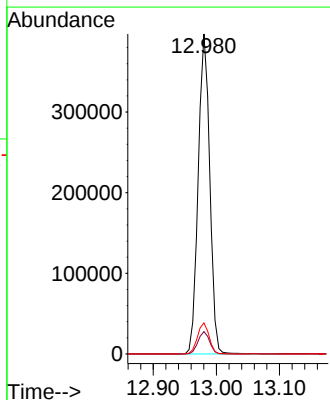
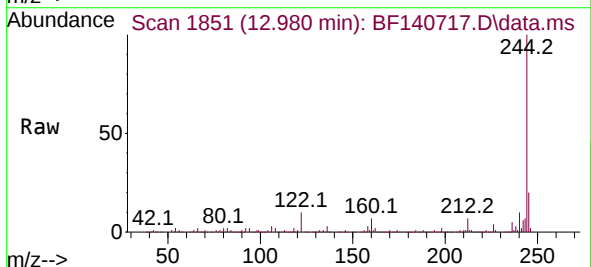
Manual Integrations
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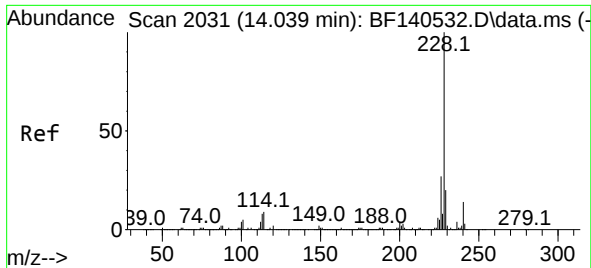
Reviewed By :Jagrut Upadhyay 12/04/2024
Supervised By :mohammad ahmed 12/05/2024



#79
Terphenyl-d14
Concen: 53.790 ng
RT: 12.980 min Scan# 1851
Delta R.T. -0.012 min
Lab File: BF140717.D
Acq: 03 Dec 2024 18:00

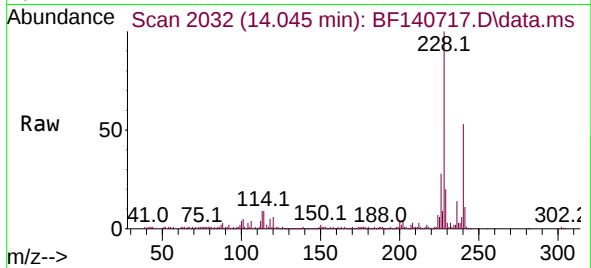
Tgt Ion:244 Resp: 503447
Ion Ratio Lower Upper
244 100
212 7.0 5.8 8.8
122 9.7 8.0 12.0





#81
Benzo(a)anthracene
Concen: 12.653 ng
RT: 14.045 min Scan# 2032
Delta R.T. 0.006 min
Lab File: BF140717.D
Acq: 03 Dec 2024 18:00

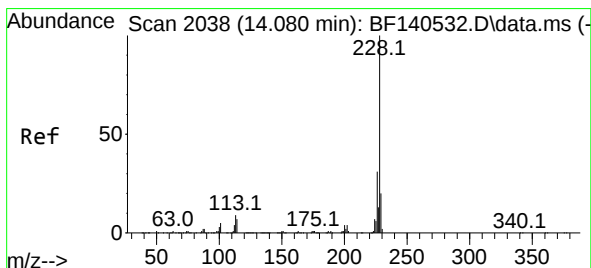
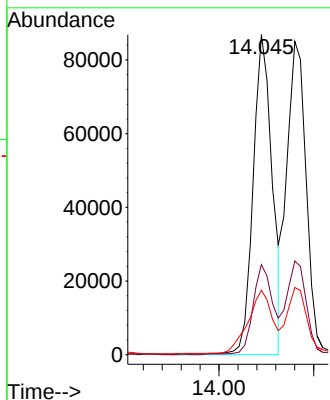
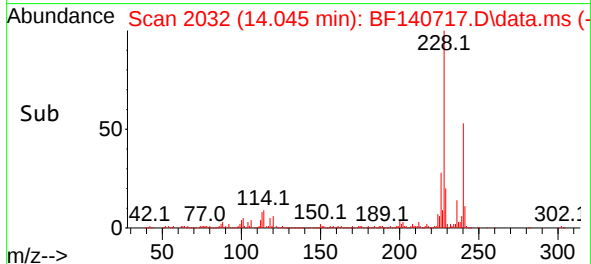
Instrument :
BNA_F
ClientSampleId :
OR-640-COMP-50



Tgt Ion:228 Resp: 122061
Ion Ratio Lower Upper
228 100
226 28.2 21.8 32.8
229 20.1 15.8 23.6

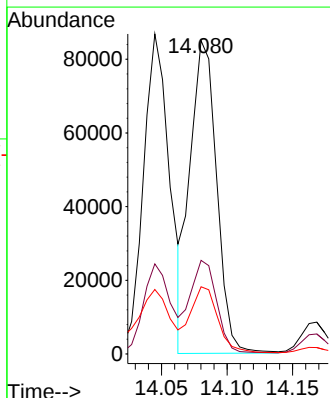
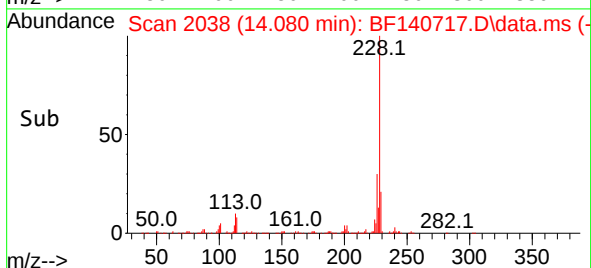
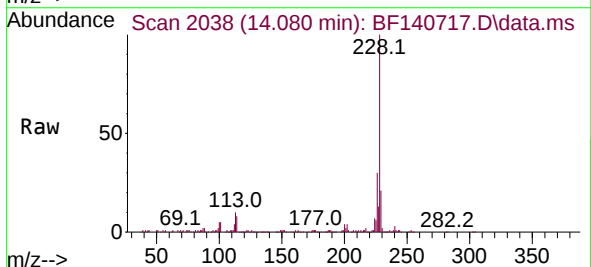
Manual Integrations
APPROVED

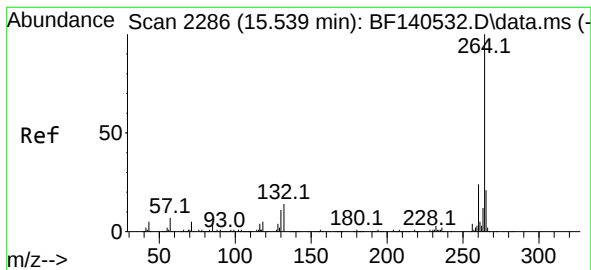
Reviewed By :Jagrut Upadhyay 12/04/2024
Supervised By :mohammad ahmed 12/05/2024



#83
Chrysene
Concen: 13.641 ng
RT: 14.080 min Scan# 2038
Delta R.T. -0.000 min
Lab File: BF140717.D
Acq: 03 Dec 2024 18:00

Tgt Ion:228 Resp: 120330
Ion Ratio Lower Upper
228 100
226 29.9 24.4 36.6
229 21.4 15.8 23.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.574 min Scan# 21

Delta R.T. 0.035 min

Lab File: BF140717.D

Acq: 03 Dec 2024 18:00

Instrument :

BNA_F

ClientSampleId :

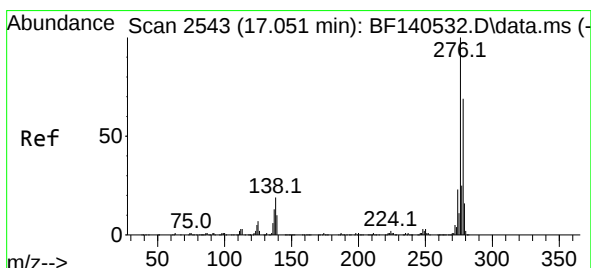
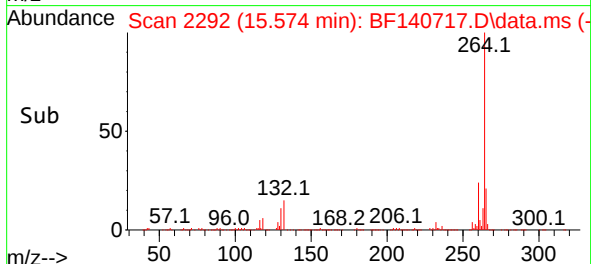
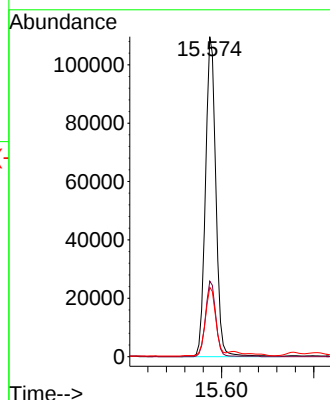
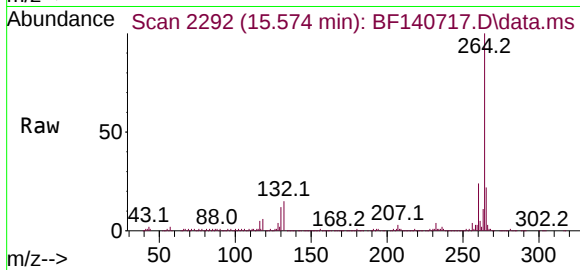
OR-640-COMP-50

Tgt Ion:264 Resp: 172979
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.0 28.6
 265 21.7 16.6 25.0

Manual Integrations

APPROVED

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



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.741 ng

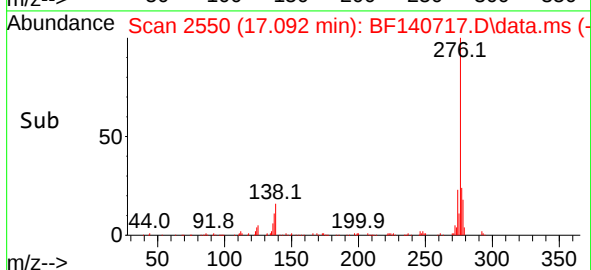
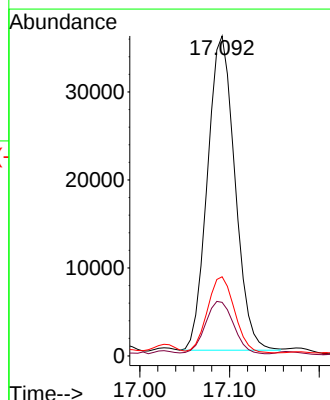
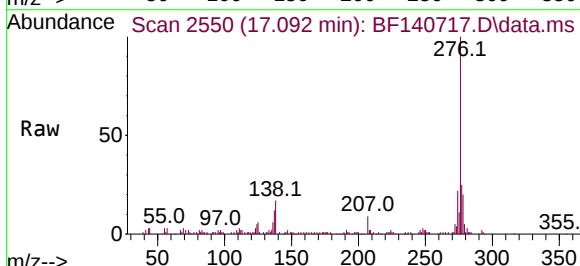
RT: 17.092 min Scan# 2550

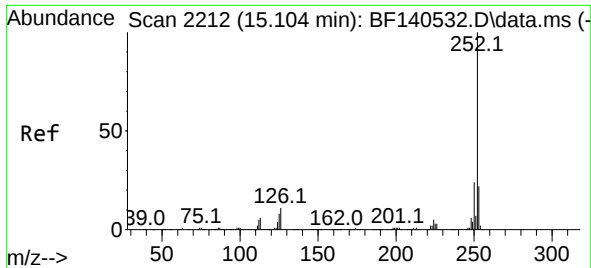
Delta R.T. 0.041 min

Lab File: BF140717.D

Acq: 03 Dec 2024 18:00

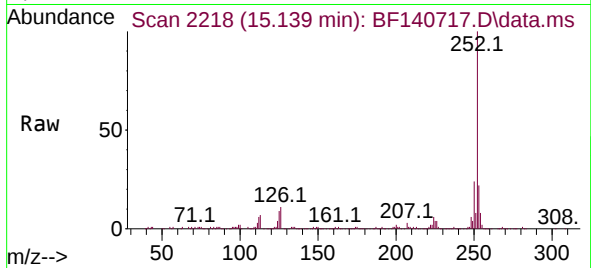
Tgt Ion:276 Resp: 75992
 Ion Ratio Lower Upper
 276 100
 138 18.1 15.5 23.3
 277 24.1 20.1 30.1





#88
Benzo(b)fluoranthene
Concen: 14.903 ng m
RT: 15.139 min Scan# 211
Delta R.T. 0.035 min
Lab File: BF140717.D
Acq: 03 Dec 2024 18:00

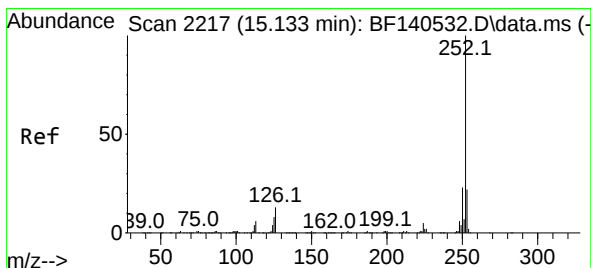
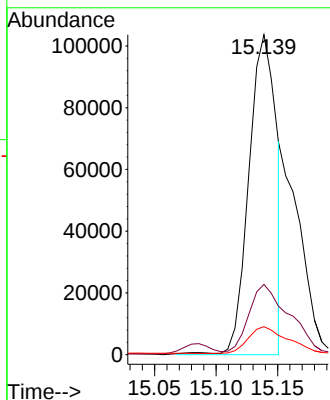
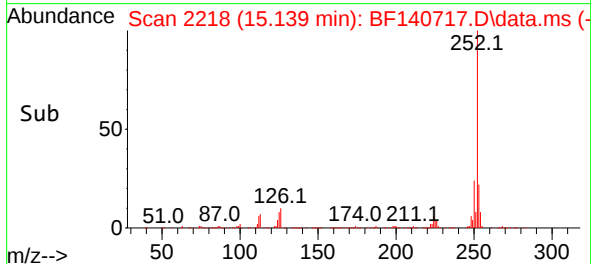
Instrument :
BNA_F
ClientSampleId :
OR-640-COMP-50



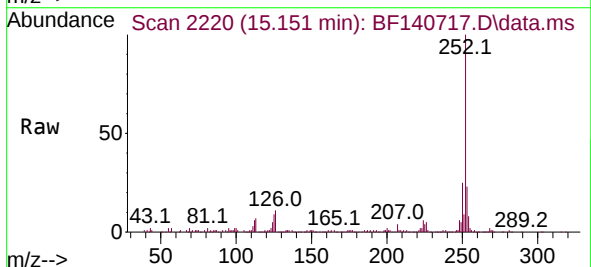
Tgt Ion:252 Resp: 16192
Ion Ratio Lower Upper
252 100
253 21.9 17.2 25.8
125 8.8 6.7 10.1

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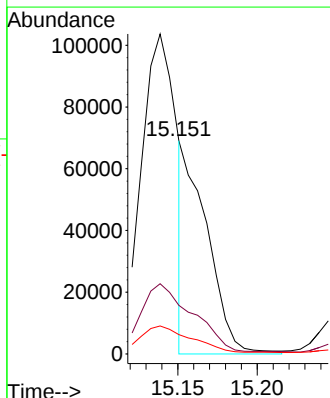
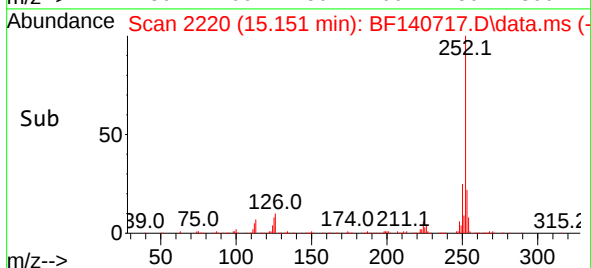
Reviewed By :Jagrut Upadhyay 12/04/2024
Supervised By :mohammad ahmed 12/05/2024

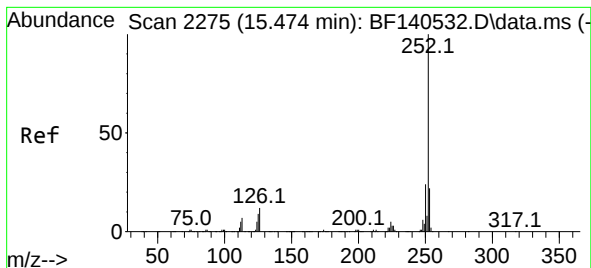


#89
Benzo(k)fluoranthene
Concen: 7.422 ng m
RT: 15.151 min Scan# 2220
Delta R.T. 0.018 min
Lab File: BF140717.D
Acq: 03 Dec 2024 18:00



Tgt Ion:252 Resp: 70567
Ion Ratio Lower Upper
252 100
253 22.8 17.5 26.3
125 9.1 6.5 9.7





#90

Benzo(a)pyrene

Concen: 12.837 ng

RT: 15.515 min Scan# 21

Delta R.T. 0.041 min

Lab File: BF140717.D

Acq: 03 Dec 2024 18:00

Instrument :

BNA_F

ClientSampleId :

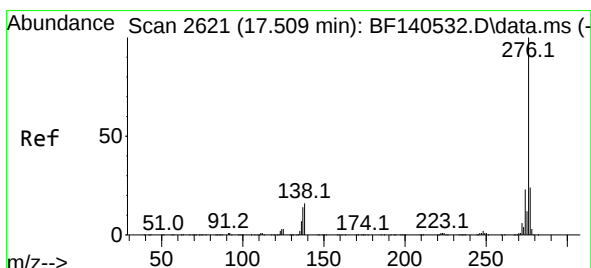
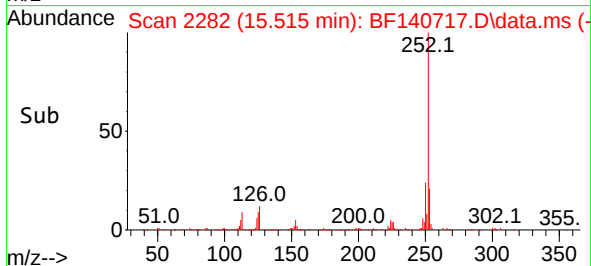
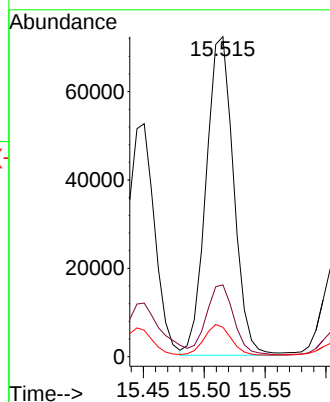
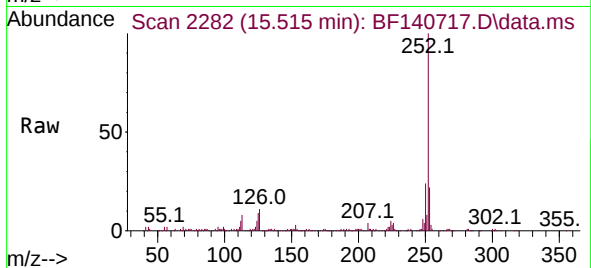
OR-640-COMP-50

Tgt Ion:252 Resp: 11340
 Ion Ratio Lower Upper
 252 100
 253 22.5 17.3 25.9
 125 9.2 7.0 10.6

Manual Integrations

APPROVED

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



#92

Benzo(g,h,i)perylene

Concen: 7.590 ng

RT: 17.550 min Scan# 2628

Delta R.T. 0.041 min

Lab File: BF140717.D

Acq: 03 Dec 2024 18:00

Tgt Ion:276 Resp: 71502
 Ion Ratio Lower Upper
 276 100
 277 25.0 18.9 28.3
 138 17.7 13.2 19.8

