

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021325\
 Data File : BF141620.D
 Acq On : 13 Feb 2025 17:42
 Operator : RC/JU
 Sample : Q1353-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 346

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 02/14/2025
 Supervised By :mohammad ahmed 02/15/2025

Quant Time: Feb 14 00:34:37 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	98392	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	397060	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	214173	20.000	ng	-0.02
64) Phenanthrene-d10	11.304	188	348327	20.000	ng	-0.01
76) Chrysene-d12	13.945	240	203653	20.000	ng	-0.02
86) Perylene-d12	15.398	264	192301	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	853748	136.033	ng	0.00
7) Phenol-d6	6.428	99	1067130	134.528	ng	-0.01
23) Nitrobenzene-d5	7.351	82	709854	93.247	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	281171	130.688	ng	-0.02
45) 2-Fluorobiphenyl	9.145	172	1317849	94.799	ng	0.00
79) Terphenyl-d14	12.892	244	1228229	101.814	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.327	178	185322	9.665	ng	99
75) Fluoranthene	12.516	202	246473	12.125	ng	99
78) Pyrene	12.745	202	198244	11.435	ng	99
81) Benzo(a)anthracene	13.933	228	73481	5.428	ng	97
83) Chrysene	13.969	228	73626	5.890	ng	98
87) Indeno(1,2,3-cd)pyrene	16.827	276	33057	2.782	ng	94
88) Benzo(b)fluoranthene	14.980	252	88220m	6.832	ng	
89) Benzo(k)fluoranthene	14.992	252	33892m	3.074	ng	
90) Benzo(a)pyrene	15.333	252	54537	5.220	ng	98
92) Benzo(g,h,i)perylene	17.262	276	33137	3.289	ng	99

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

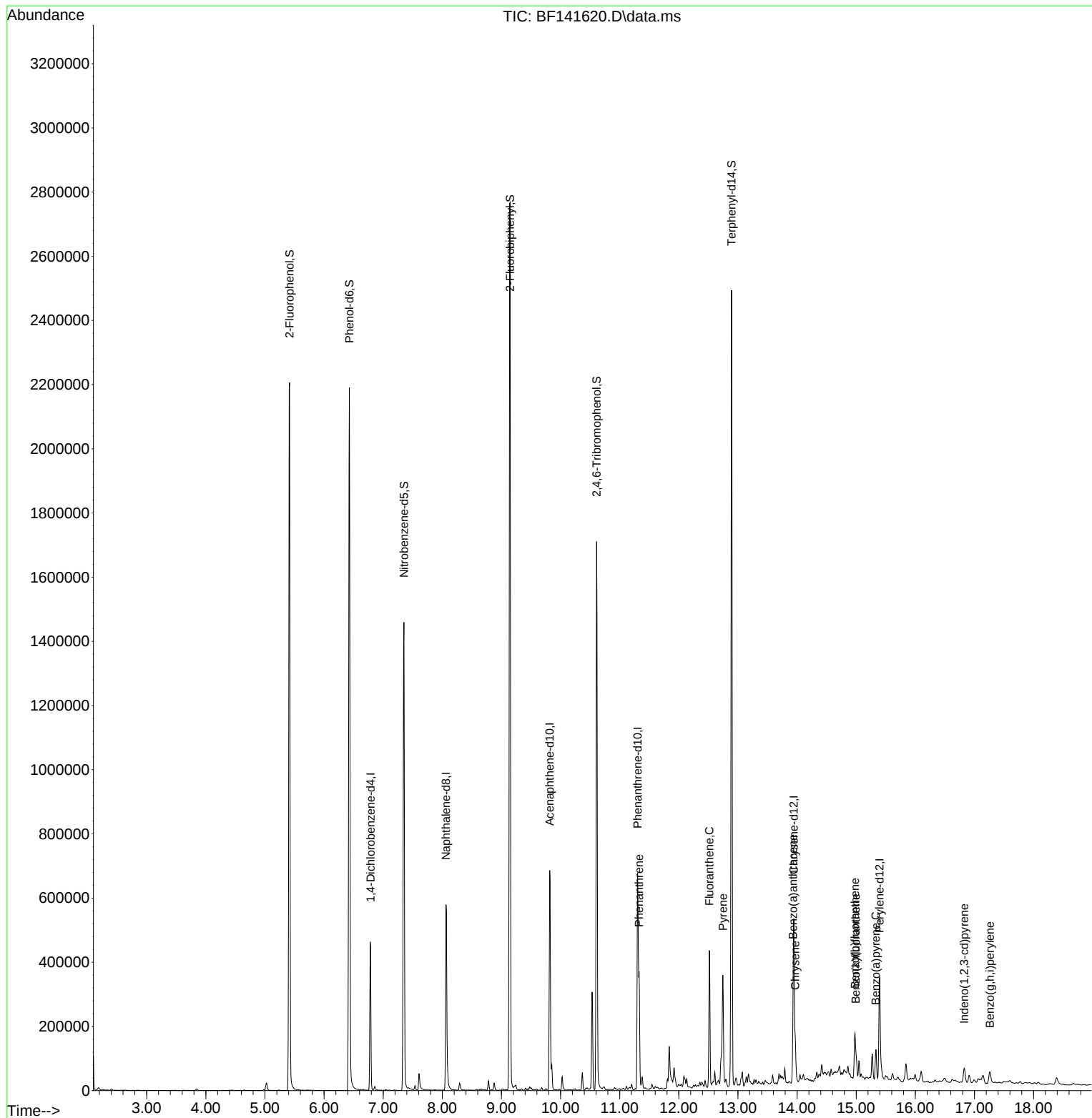
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021325\
Data File : BF141620.D
Acq On : 13 Feb 2025 17:42
Operator : RC/JU
Sample : Q1353-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
346

Quant Time: Feb 14 00:34:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

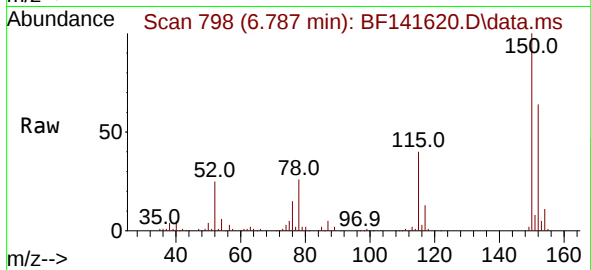
Reviewed By :Rahul Chavli 02/14/2025
Supervised By :mohammad ahmed 02/15/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 798
Delta R.T. -0.005 min
Lab File: BF141620.D
Acq: 13 Feb 2025 17:42

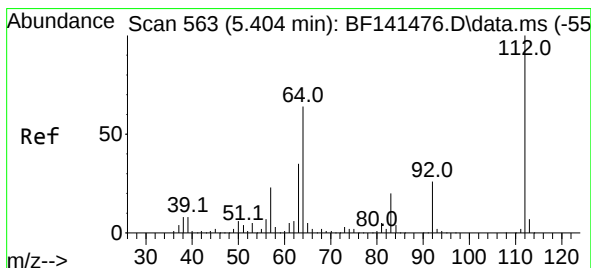
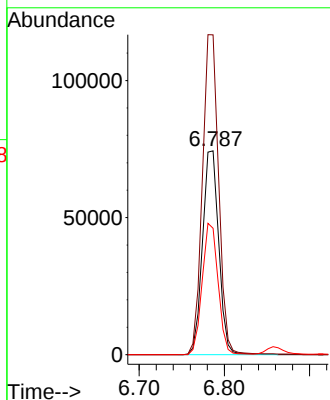
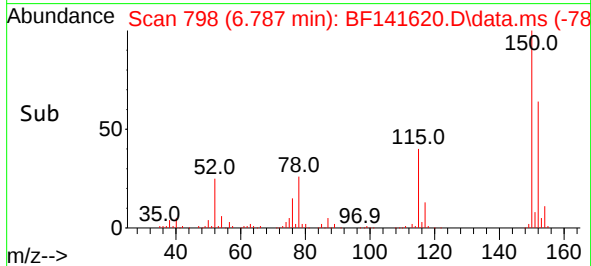
Instrument :
BNA_F
ClientSampleId :
346



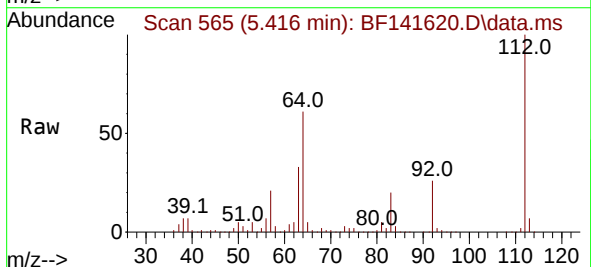
Tgt Ion:152 Resp: 98392
Ion Ratio Lower Upper
152 100
150 156.9 125.0 187.4
115 62.0 53.6 80.4

Manual Integrations
APPROVED

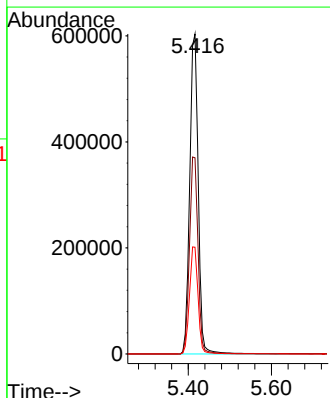
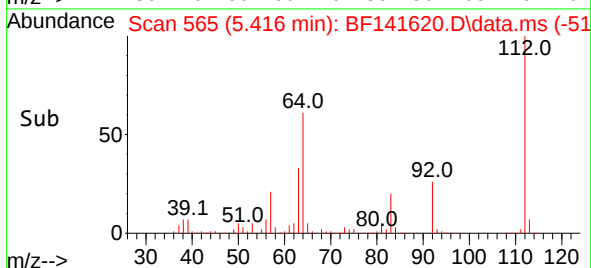
Reviewed By :Rahul Chavli 02/14/2025
Supervised By :mohammad ahmed 02/15/2025



#5
2-Fluorophenol
Concen: 136.033 ng
RT: 5.416 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF141620.D
Acq: 13 Feb 2025 17:42



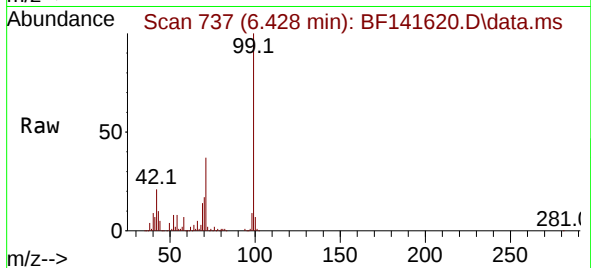
Tgt Ion:112 Resp: 853748
Ion Ratio Lower Upper
112 100
64 61.3 51.1 76.7
63 33.3 28.4 42.6





#7
Phenol-d6
Concen: 134.528 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141620.D
Acq: 13 Feb 2025 17:42

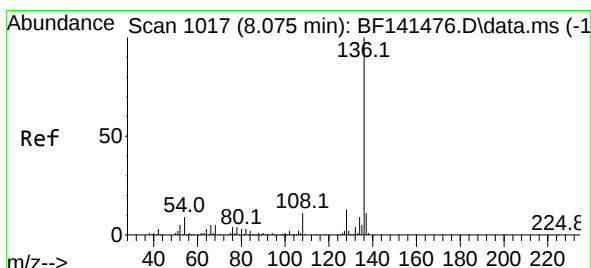
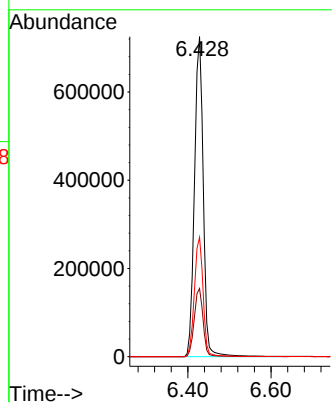
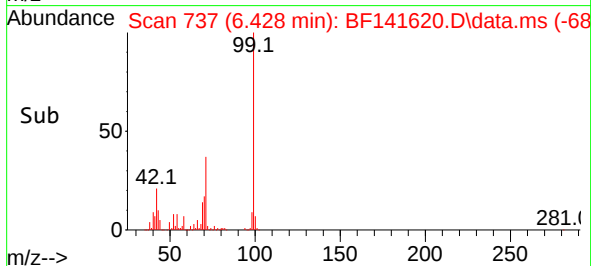
Instrument :
BNA_F
ClientSampleId :
346



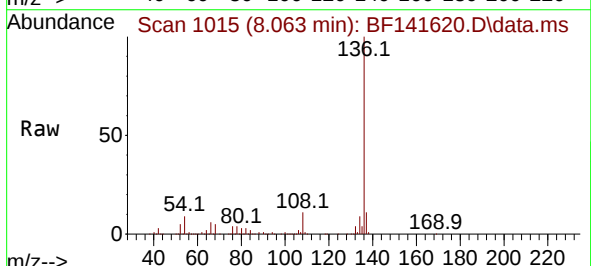
Tgt Ion: 99 Resp: 1067130
Ion Ratio Lower Upper
99 100
42 21.3 19.1 28.7
71 37.3 31.1 46.7

Manual Integrations
APPROVED

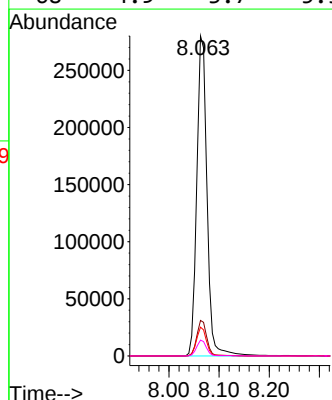
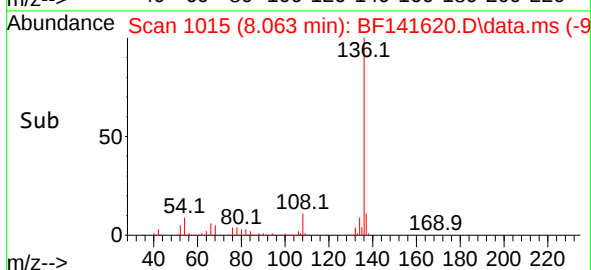
Reviewed By :Rahul Chavli 02/14/2025
Supervised By :mohammad ahmed 02/15/2025

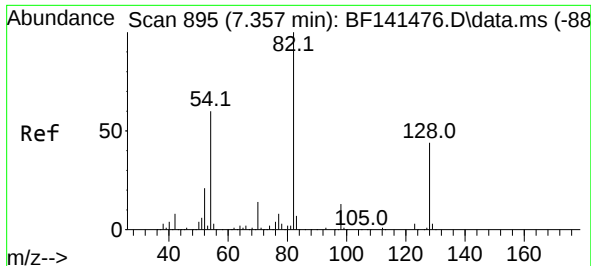


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF141620.D
Acq: 13 Feb 2025 17:42



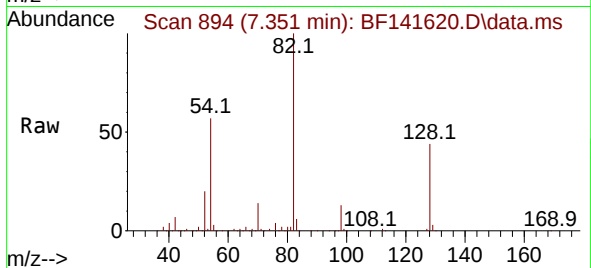
Tgt Ion:136 Resp: 397060
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 9.0 7.2 10.8
68 4.9 3.7 5.5





#23
Nitrobenzene-d5
Concen: 93.247 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.012 min
Lab File: BF141620.D
Acq: 13 Feb 2025 17:42

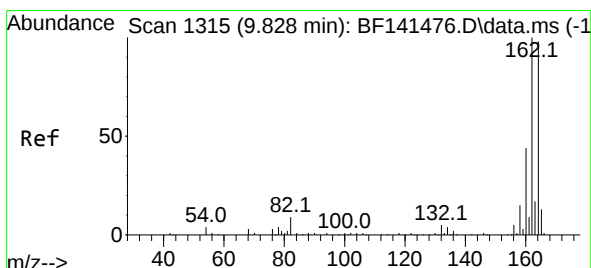
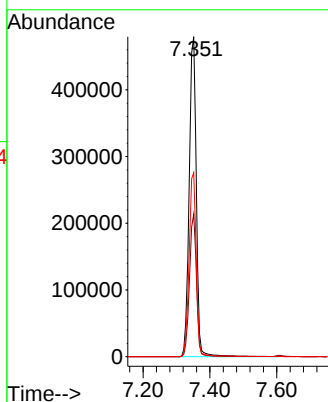
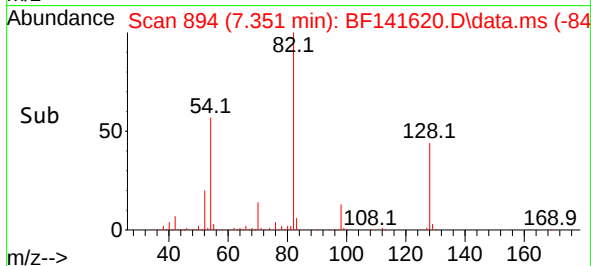
Instrument :
BNA_F
ClientSampleId :
346



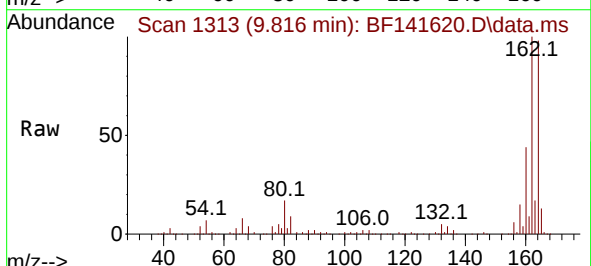
Tgt Ion: 82 Resp: 709854
Ion Ratio Lower Upper
82 100
128 44.5 34.8 52.2
54 57.5 48.2 72.4

Manual Integrations
APPROVED

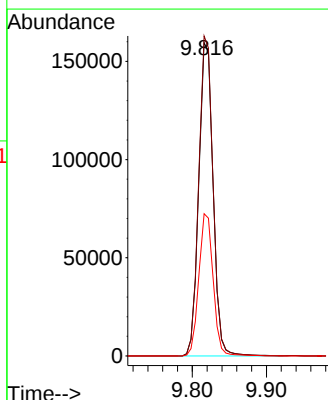
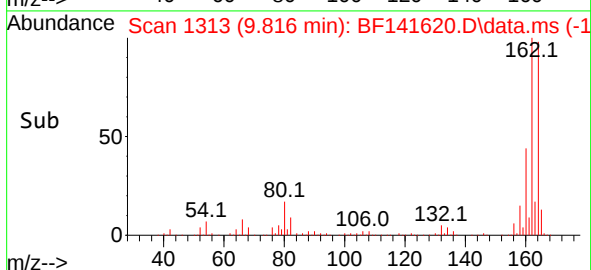
Reviewed By :Rahul Chavli 02/14/2025
Supervised By :mohammad ahmed 02/15/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1313
Delta R.T. -0.018 min
Lab File: BF141620.D
Acq: 13 Feb 2025 17:42



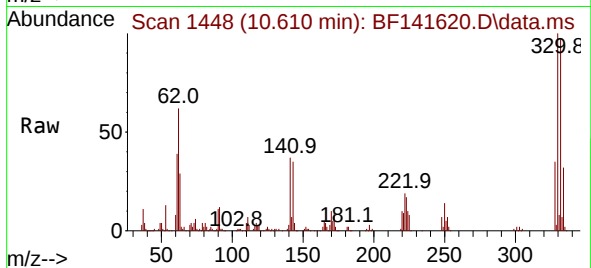
Tgt Ion:164 Resp: 214173
Ion Ratio Lower Upper
164 100
162 102.2 81.3 121.9
160 45.4 35.9 53.9





#42
2,4,6-Tribromophenol
Concen: 130.688 ng
RT: 10.610 min Scan# 1450
Delta R.T. -0.017 min
Lab File: BF141620.D
Acq: 13 Feb 2025 17:42

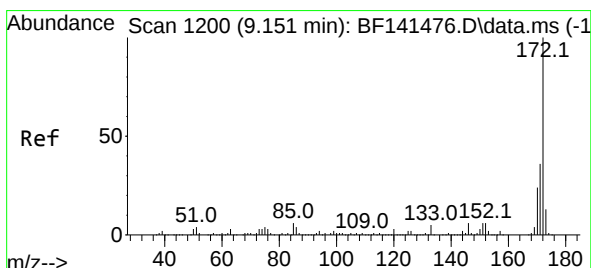
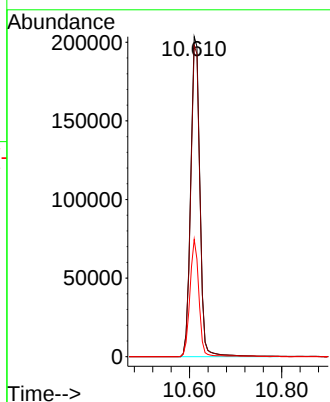
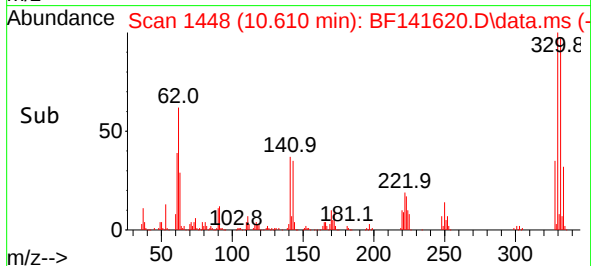
Instrument :
BNA_F
ClientSampleId :
346



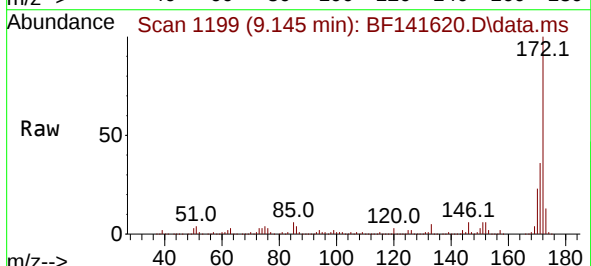
Tgt Ion: 330 Resp: 28117
Ion Ratio Lower Upper
330 100
332 97.2 78.5 117.7
141 35.8 31.0 46.4

Manual Integrations
APPROVED

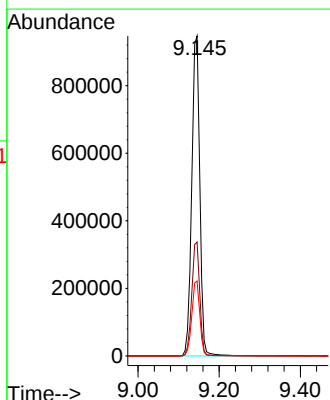
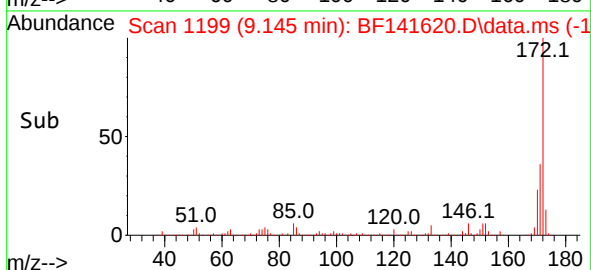
Reviewed By :Rahul Chavli 02/14/2025
Supervised By :mohammad ahmed 02/15/2025

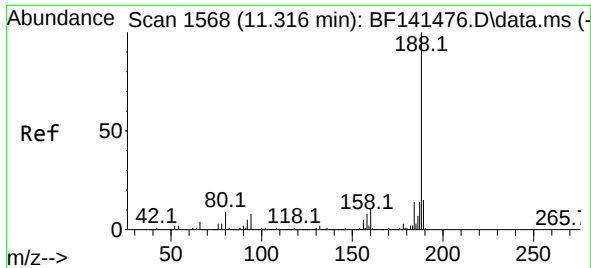


#45
2-Fluorobiphenyl
Concen: 94.799 ng
RT: 9.145 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF141620.D
Acq: 13 Feb 2025 17:42



Tgt Ion: 172 Resp: 1317849
Ion Ratio Lower Upper
172 100
171 35.6 28.7 43.1
170 23.4 18.9 28.3





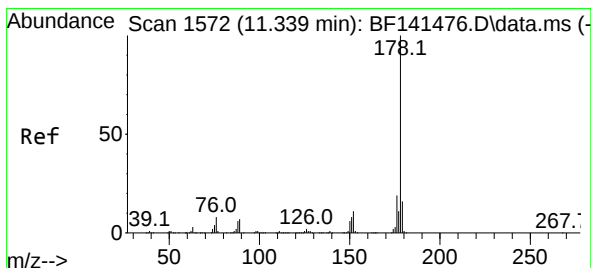
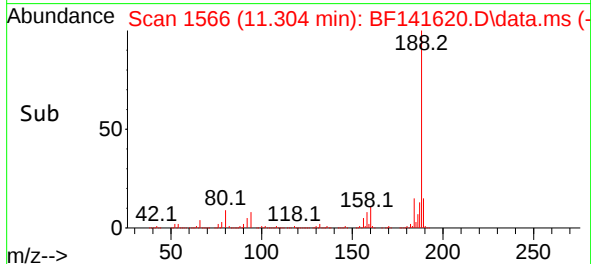
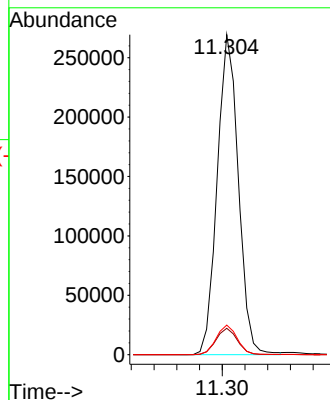
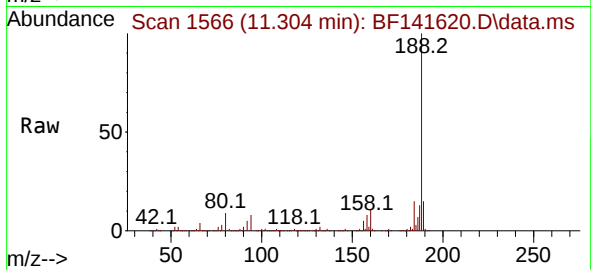
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141620.D
Acq: 13 Feb 2025 17:42

Instrument :
BNA_F
ClientSampleId :
346

Tgt Ion:188 Resp: 34832
Ion Ratio Lower Upper
188 100
94 8.2 6.6 10.0
80 9.3 7.3 10.9

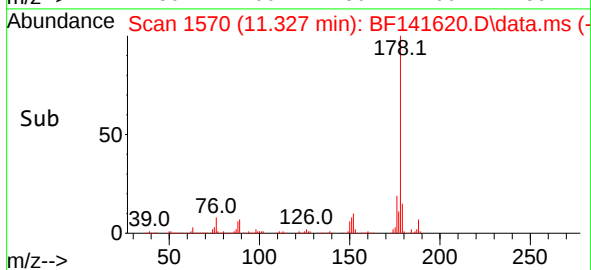
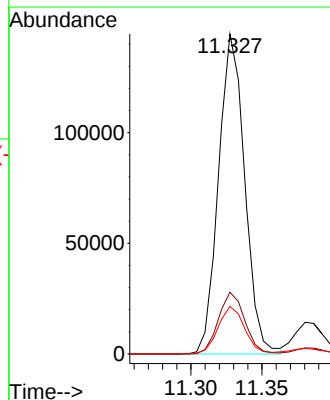
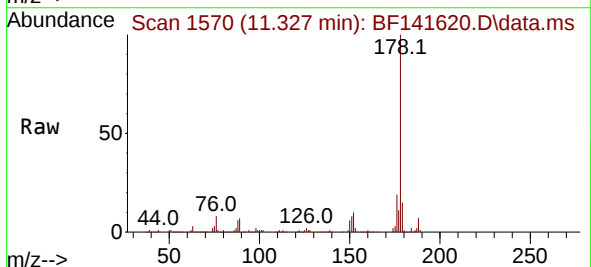
Manual Integrations
APPROVED

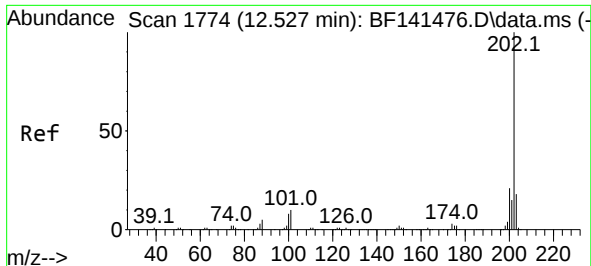
Reviewed By :Rahul Chavli 02/14/2025
Supervised By :mohammad ahmed 02/15/2025



#71
Phenanthrene
Concen: 9.665 ng
RT: 11.327 min Scan# 1570
Delta R.T. -0.018 min
Lab File: BF141620.D
Acq: 13 Feb 2025 17:42

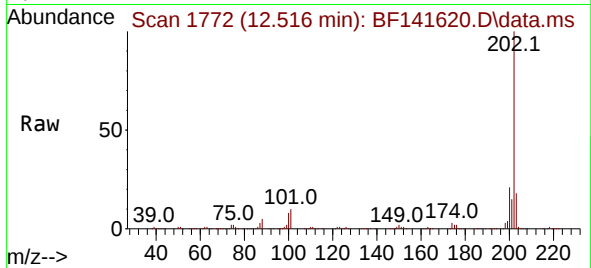
Tgt Ion:178 Resp: 185322
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.0
179 14.9 12.4 18.6





#75
Fluoranthene
Concen: 12.125 ng
RT: 12.516 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF141620.D
Acq: 13 Feb 2025 17:42

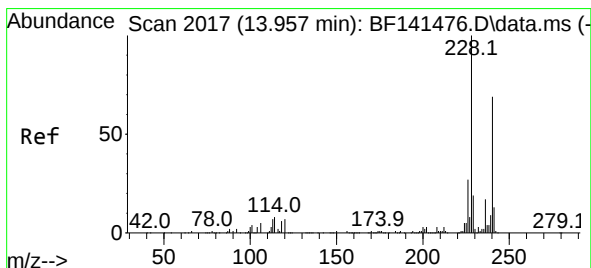
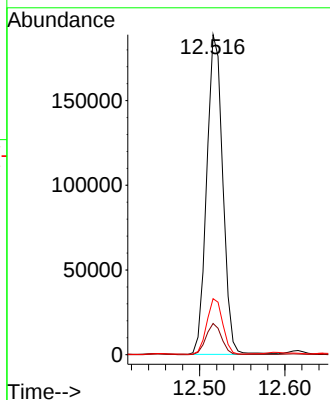
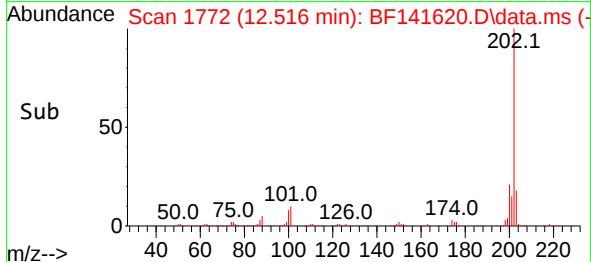
Instrument :
BNA_F
ClientSampleId :
346



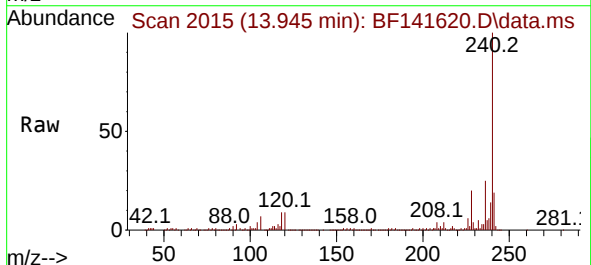
Tgt Ion:202 Resp: 24647
Ion Ratio Lower Upper
202 100
101 9.8 0.0 30.2
203 17.5 0.0 37.6

Manual Integrations
APPROVED

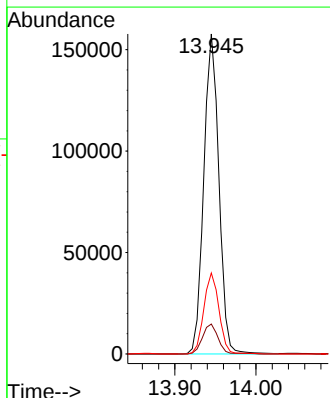
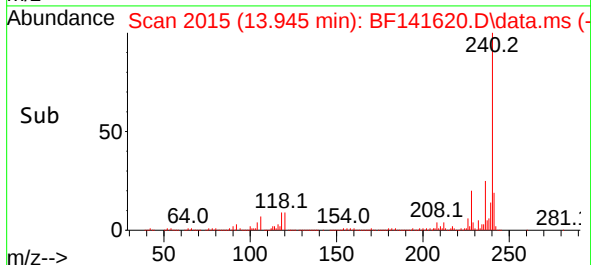
Reviewed By :Rahul Chavli 02/14/2025
Supervised By :mohammad ahmed 02/15/2025

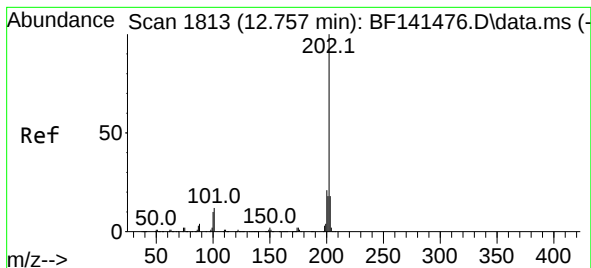


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.945 min Scan# 2015
Delta R.T. -0.018 min
Lab File: BF141620.D
Acq: 13 Feb 2025 17:42



Tgt Ion:240 Resp: 203653
Ion Ratio Lower Upper
240 100
120 9.3 8.0 12.0
236 25.3 19.8 29.8





#78

Pyrene

Concen: 11.435 ng

RT: 12.745 min Scan# 1811

Delta R.T. -0.017 min

Lab File: BF141620.D

Acq: 13 Feb 2025 17:42

Instrument :

BNA_F

ClientSampleId :

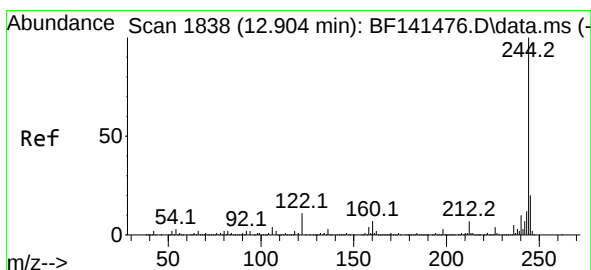
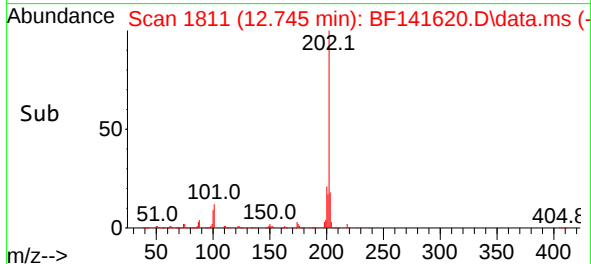
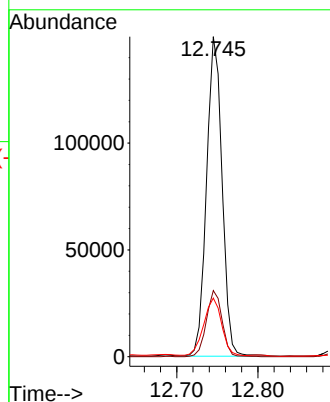
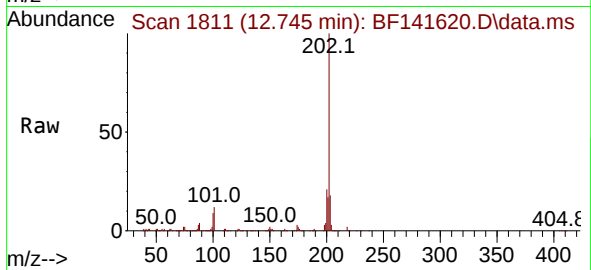
346

Tgt Ion:202 Resp: 198244
 Ion Ratio Lower Upper
 202 100
 200 20.6 17.0 25.4
 203 18.3 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 02/14/2025
 Supervised By :mohammad ahmed 02/15/2025



#79

Terphenyl-d14

Concen: 101.814 ng

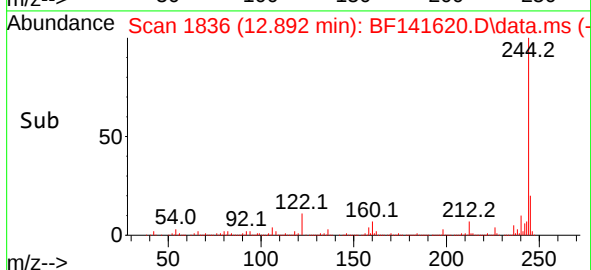
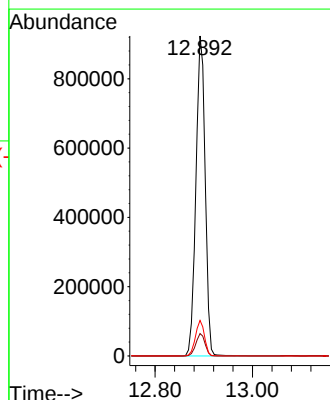
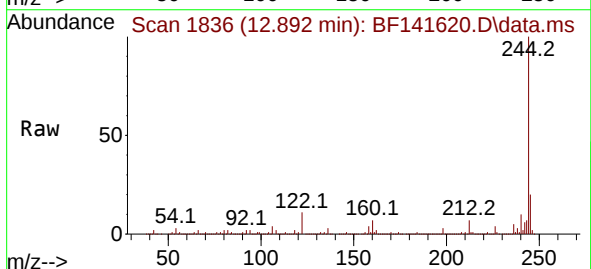
RT: 12.892 min Scan# 1836

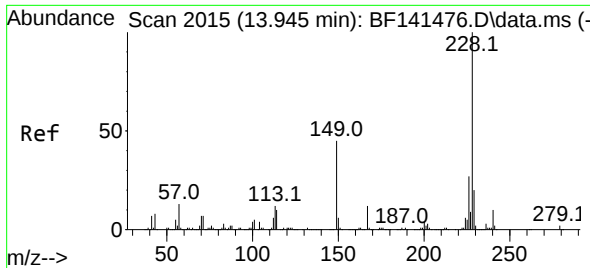
Delta R.T. -0.012 min

Lab File: BF141620.D

Acq: 13 Feb 2025 17:42

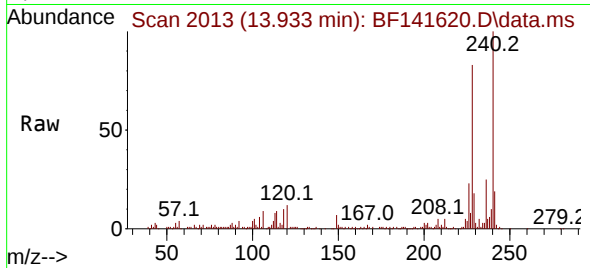
Tgt Ion:244 Resp: 1228229
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.6 8.4
 122 11.1 8.4 12.6





#81
Benzo(a)anthracene
Concen: 5.428 ng
RT: 13.933 min Scan# 2019
Delta R.T. -0.018 min
Lab File: BF141620.D
Acq: 13 Feb 2025 17:42

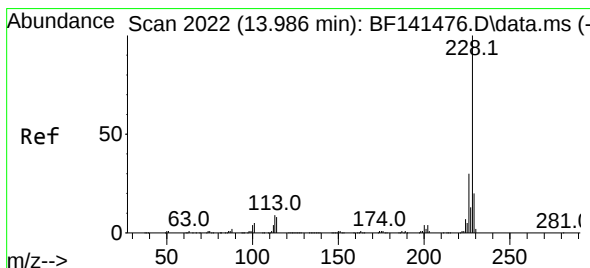
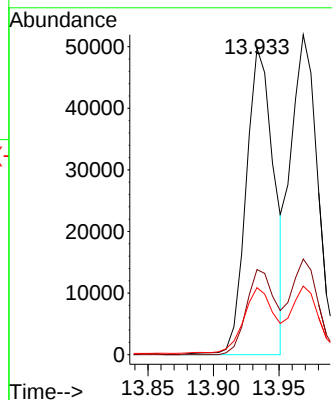
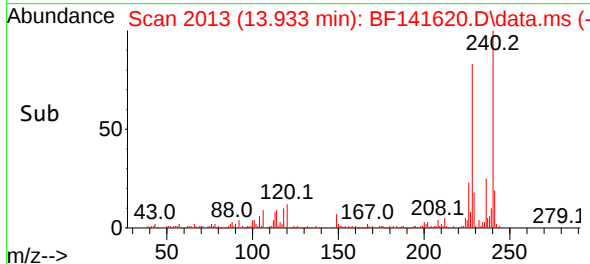
Instrument :
BNA_F
ClientSampleId :
346



Tgt Ion:228 Resp: 7348
Ion Ratio Lower Upper
228 100
226 27.8 21.8 32.8
229 21.9 15.8 23.6

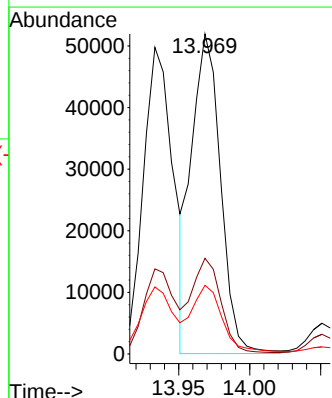
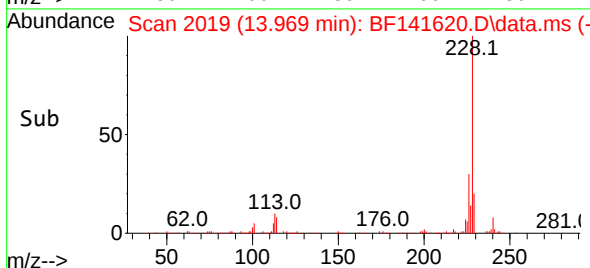
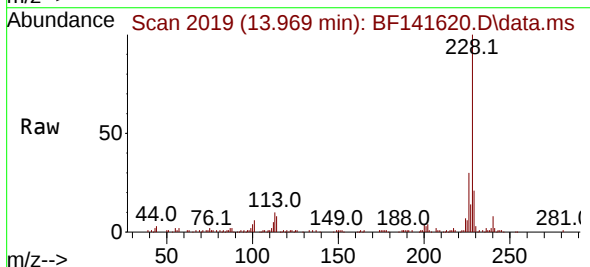
Manual Integrations
APPROVED

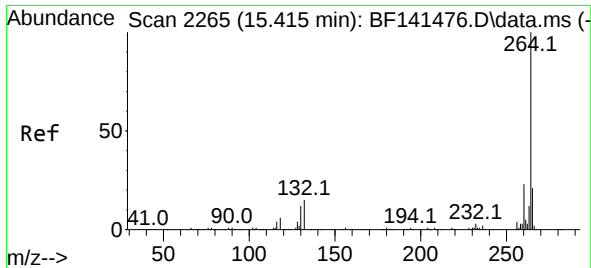
Reviewed By :Rahul Chavli 02/14/2025
Supervised By :mohammad ahmed 02/15/2025



#83
Chrysene
Concen: 5.890 ng
RT: 13.969 min Scan# 2019
Delta R.T. -0.023 min
Lab File: BF141620.D
Acq: 13 Feb 2025 17:42

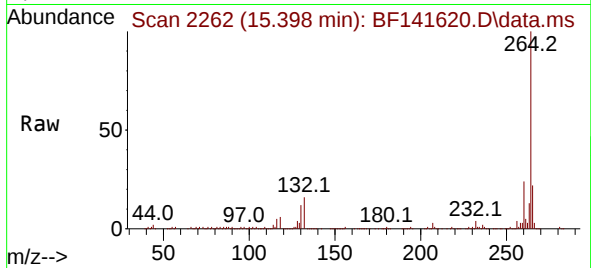
Tgt Ion:228 Resp: 73626
Ion Ratio Lower Upper
228 100
226 29.9 24.0 36.0
229 21.4 15.7 23.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.398 min Scan# 21
Delta R.T. -0.017 min
Lab File: BF141620.D
Acq: 13 Feb 2025 17:42

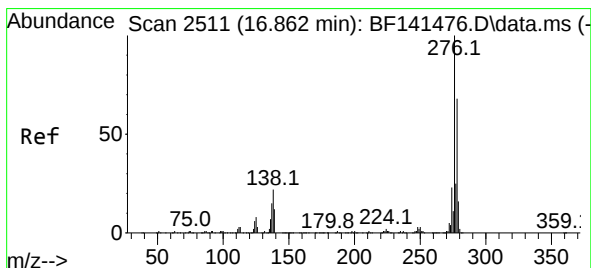
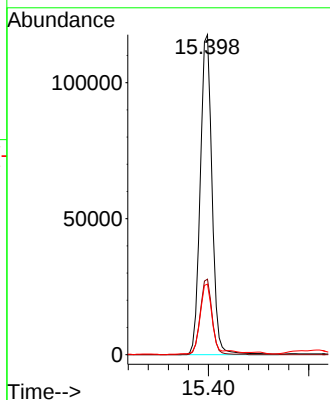
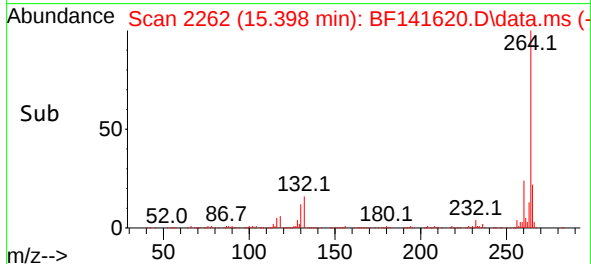
Instrument :
BNA_F
ClientSampleId :
346



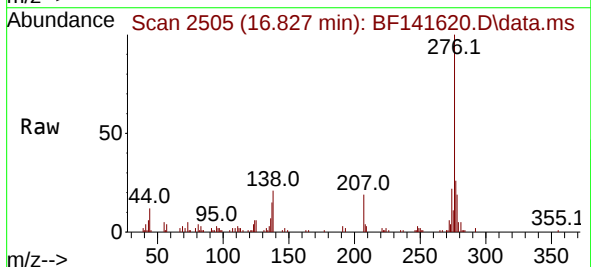
Tgt Ion:264 Resp: 19230
Ion Ratio Lower Upper
264 100
260 23.6 18.6 28.0
265 22.1 17.0 25.4

Manual Integrations
APPROVED

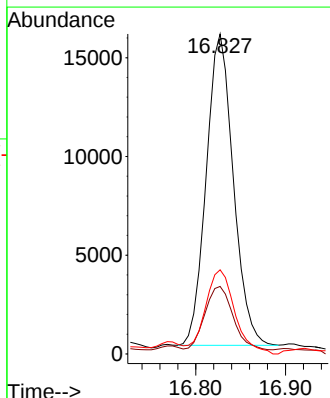
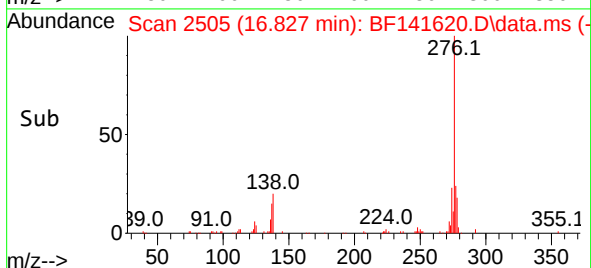
Reviewed By :Rahul Chavli 02/14/2025
Supervised By :mohammad ahmed 02/15/2025

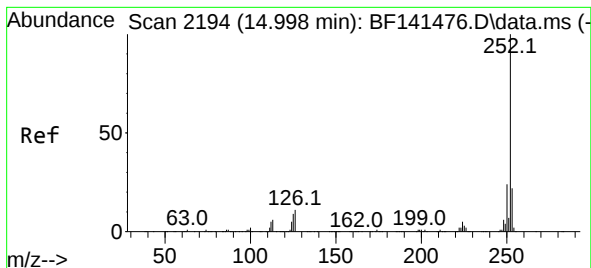


#87
Indeno(1,2,3-cd)pyrene
Concen: 2.782 ng
RT: 16.827 min Scan# 2505
Delta R.T. -0.047 min
Lab File: BF141620.D
Acq: 13 Feb 2025 17:42



Tgt Ion:276 Resp: 33057
Ion Ratio Lower Upper
276 100
138 24.8 18.0 27.0
277 29.5 20.4 30.6





#88

Benzo(b)fluoranthene

Concen: 6.832 ng m

RT: 14.980 min Scan# 2193

Delta R.T. -0.023 min

Lab File: BF141620.D

Acq: 13 Feb 2025 17:42

Instrument :

BNA_F

ClientSampleId :

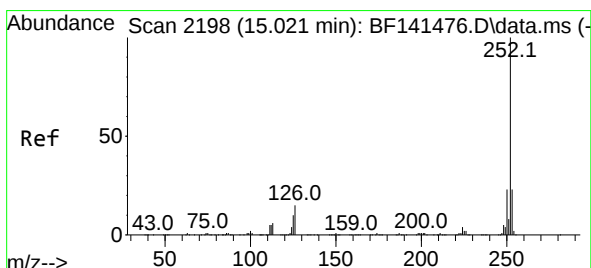
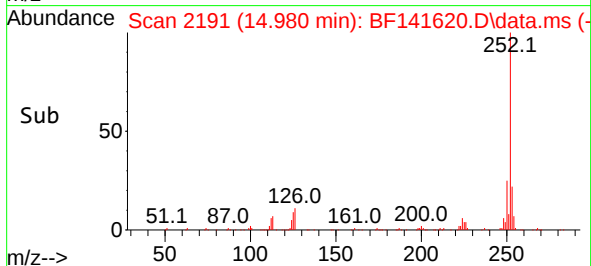
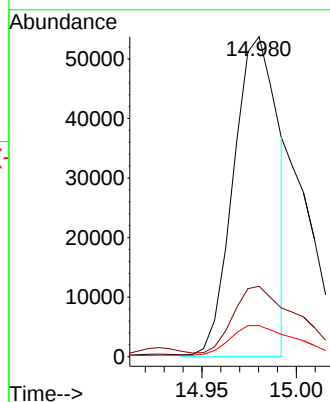
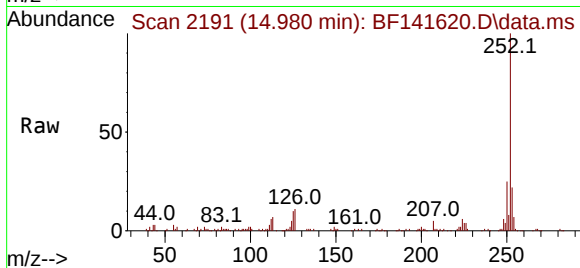
346

Tgt Ion:252 Resp: 88220
 Ion Ratio Lower Upper
 252 100
 253 22.0 17.5 26.3
 125 9.7 7.0 10.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 02/14/2025
 Supervised By :mohammad ahmed 02/15/2025



#89

Benzo(k)fluoranthene

Concen: 3.074 ng m

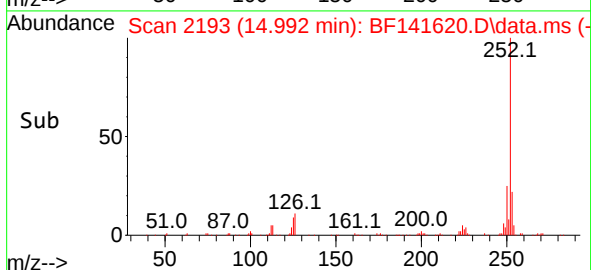
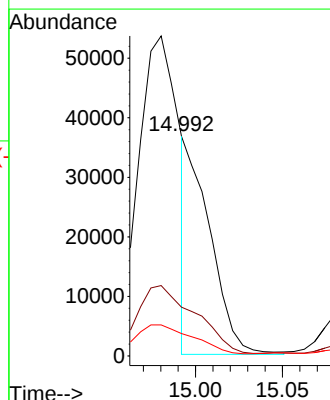
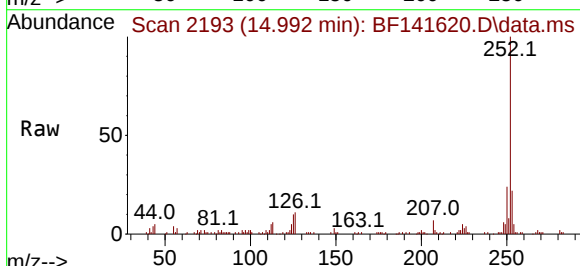
RT: 14.992 min Scan# 2193

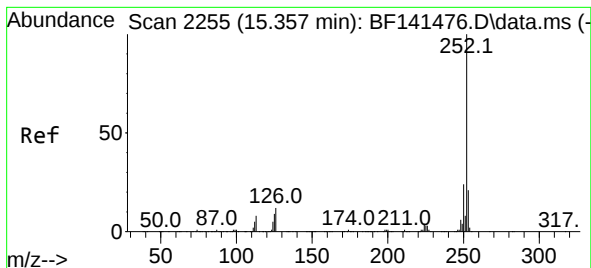
Delta R.T. -0.041 min

Lab File: BF141620.D

Acq: 13 Feb 2025 17:42

Tgt Ion:252 Resp: 33892
 Ion Ratio Lower Upper
 252 100
 253 22.2 18.0 27.0
 125 10.2 7.4 11.0





#90

Benzo(a)pyrene

Concen: 5.220 ng

RT: 15.333 min Scan# 21

Delta R.T. -0.029 min

Lab File: BF141620.D

Acq: 13 Feb 2025 17:42

Instrument :

BNA_F

ClientSampleId :

346

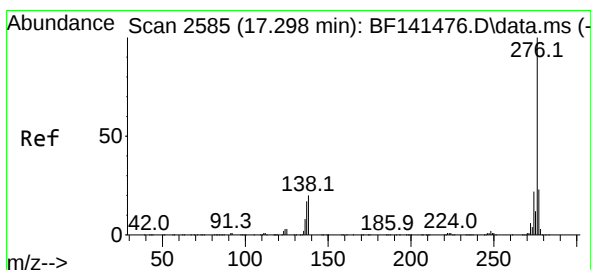
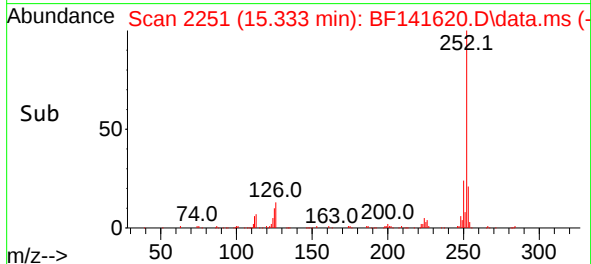
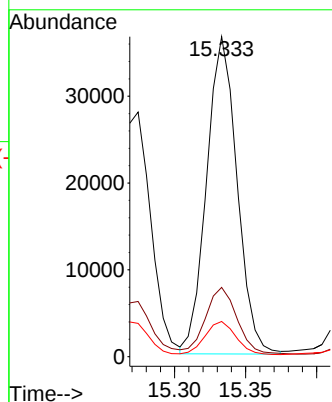
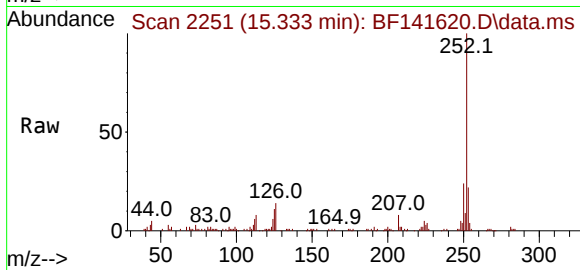
Tgt Ion:	252	Resp:	5453
Ion Ratio	Lower	Upper	
252	100		
253	21.6	17.1	25.7
125	11.0	7.4	11.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 02/14/2025

Supervised By :mohammad ahmed 02/15/2025



#92

Benzo(g,h,i)perylene

Concen: 3.289 ng

RT: 17.262 min Scan# 2579

Delta R.T. -0.053 min

Lab File: BF141620.D

Acq: 13 Feb 2025 17:42

Tgt Ion:	276	Resp:	33137
Ion Ratio	Lower	Upper	
276	100		
277	23.8	18.6	28.0
138	19.4	15.9	23.9

