

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
 Data File : BF141354.D
 Acq On : 01 Feb 2025 01:24
 Operator : RC/JU
 Sample : Q1239-07
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR22266

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
 Supervised By :mohammad ahmed 02/04/2025

Quant Time: Feb 01 02:01:02 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	146483	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	565757	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	245321	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	321877	20.000	ng	0.00
76) Chrysene-d12	13.963	240	302027	20.000	ng	-0.01
86) Perylene-d12	15.421	264	235887	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	683052	71.587	ng	0.00
7) Phenol-d6	6.439	99	866514	71.388	ng	0.00
23) Nitrobenzene-d5	7.357	82	526924	49.098	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	116749	51.911	ng	-0.01
45) 2-Fluorobiphenyl	9.157	172	829951	52.073	ng	0.00
79) Terphenyl-d14	12.910	244	644911	32.930	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.345	178	253150	14.631	ng	98
72) Anthracene	11.398	178	54193	3.197	ng	98
75) Fluoranthene	12.533	202	442307	25.890	ng	99
78) Pyrene	12.763	202	426007	14.694	ng	98
81) Benzo(a)anthracene	13.957	228	254689	12.220	ng	96
83) Chrysene	13.992	228	199629	10.451	ng	98
87) Indeno(1,2,3-cd)pyrene	16.856	276	62764	4.122	ng	95
88) Benzo(b)fluoranthene	14.998	252	233688m	15.749	ng	
89) Benzo(k)fluoranthene	15.015	252	72632m	5.526	ng	
90) Benzo(a)pyrene	15.357	252	128967	10.285	ng	95
92) Benzo(g,h,i)perylene	17.292	276	59614	4.681	ng	98

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

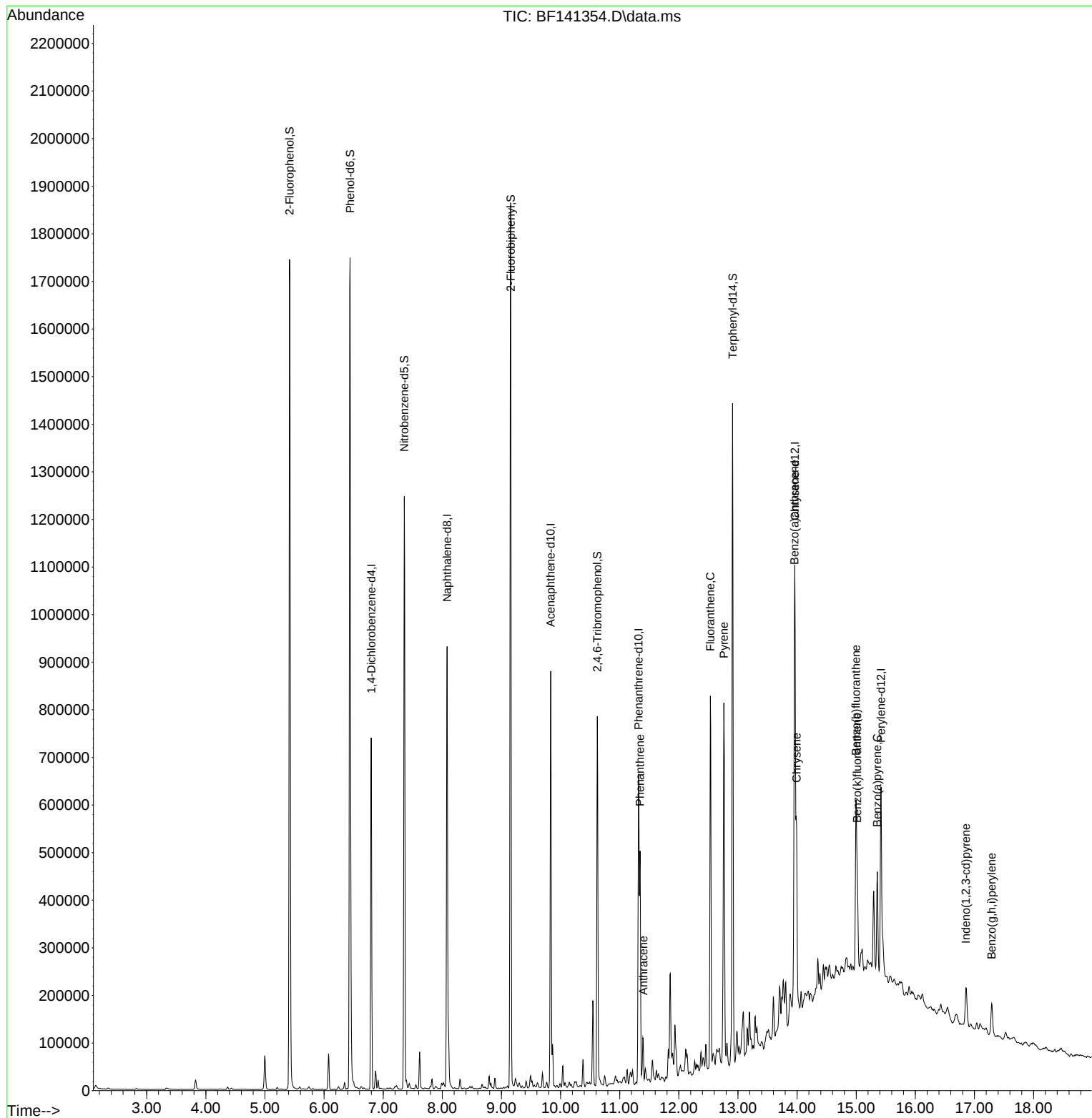
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
Data File : BF141354.D
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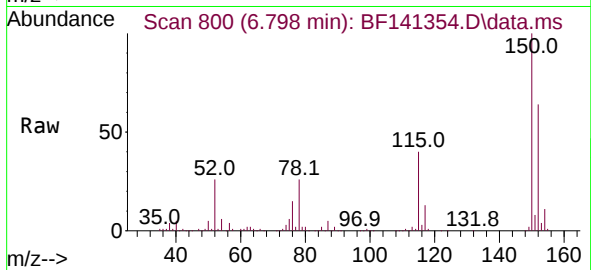
Quant Time: Feb 01 02:01:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF141354.D
Acq: 01 Feb 2025 01:24

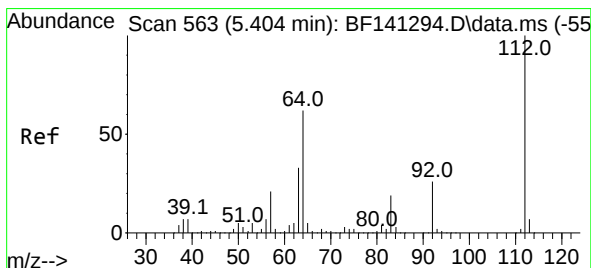
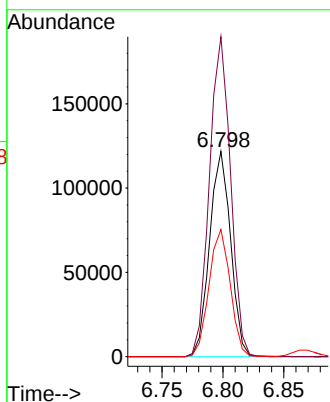
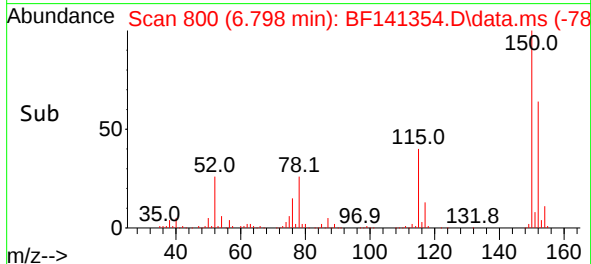
Instrument :
BNA_F
ClientSampleId :
RBR22266



Tgt Ion:152 Resp: 14648
Ion Ratio Lower Upper
152 100
150 155.9 125.9 188.9
115 62.0 49.7 74.5

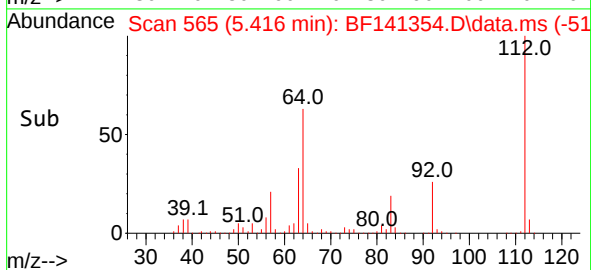
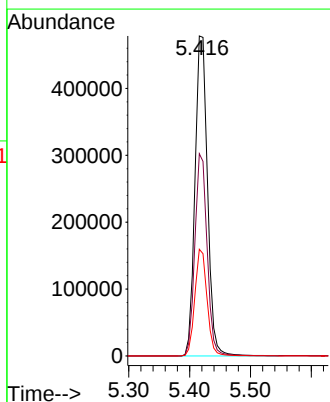
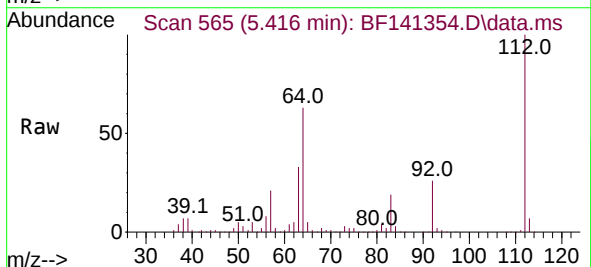
Manual Integrations
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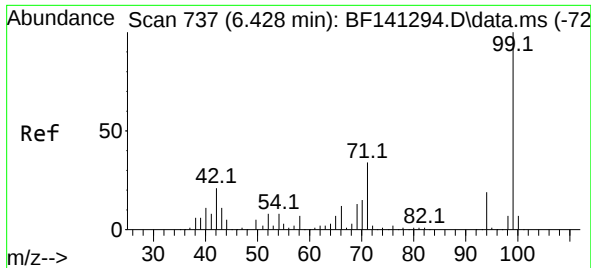
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#5
2-Fluorophenol
Concen: 71.587 ng
RT: 5.416 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF141354.D
Acq: 01 Feb 2025 01:24

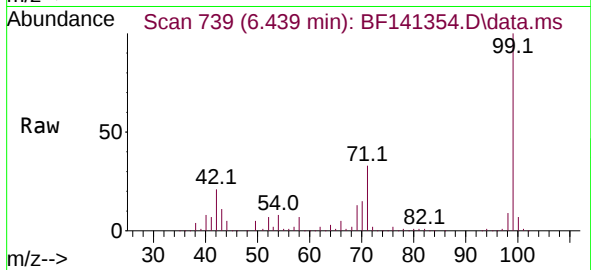
Tgt Ion:112 Resp: 683052
Ion Ratio Lower Upper
112 100
64 63.2 49.8 74.8
63 33.4 26.1 39.1





#7
Phenol-d6
Concen: 71.388 ng
RT: 6.439 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF141354.D
Acq: 01 Feb 2025 01:24

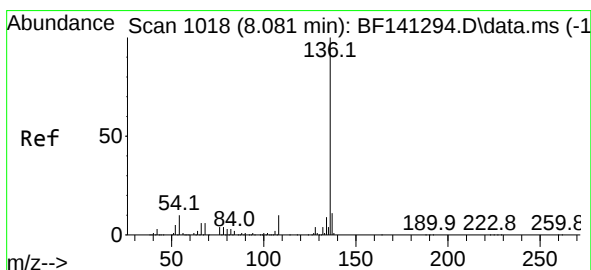
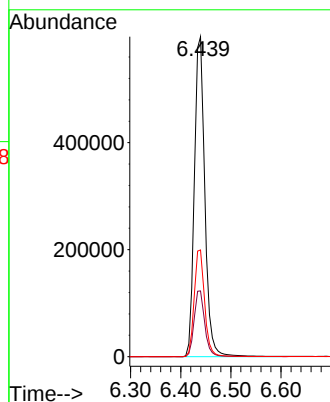
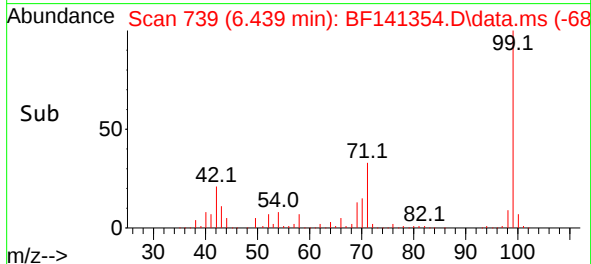
Instrument :
BNA_F
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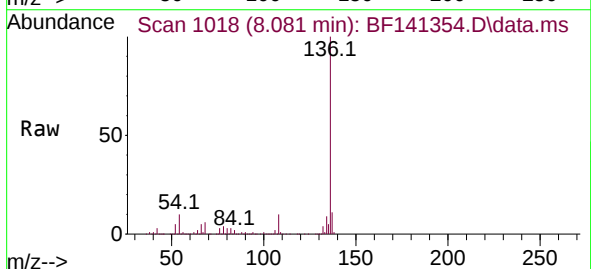
Tgt Ion: 99 Resp: 866514
Ion Ratio Lower Upper
99 100
42 20.6 17.1 25.7
71 33.4 26.9 40.3

Manual Integrations
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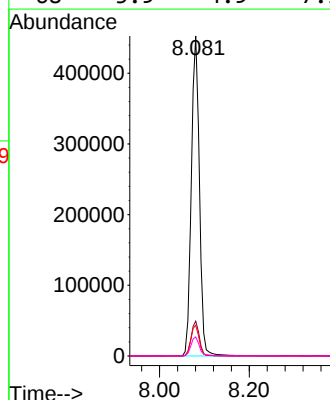
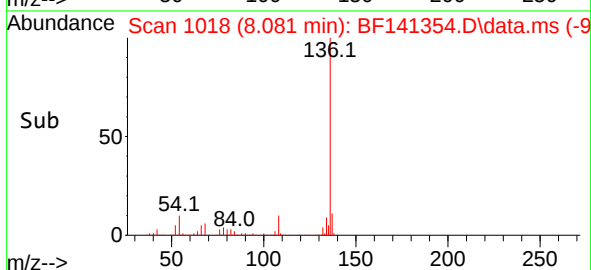
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

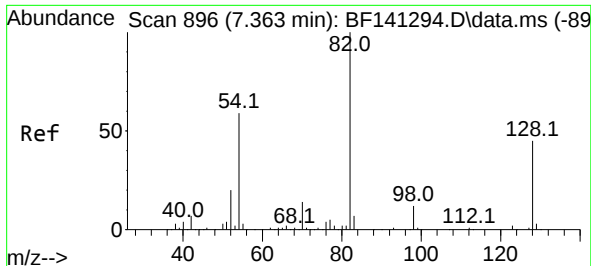


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF141354.D
Acq: 01 Feb 2025 01:24



Tgt Ion:136 Resp: 565757
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 9.6 7.8 11.8
68 5.9 4.9 7.3





#23

Nitrobenzene-d5

Concen: 49.098 ng

RT: 7.357 min Scan# 895

Delta R.T. -0.012 min

Lab File: BF141354.D

Acq: 01 Feb 2025 01:24

Instrument :

BNA_F

ClientSampleId :

RBR22266

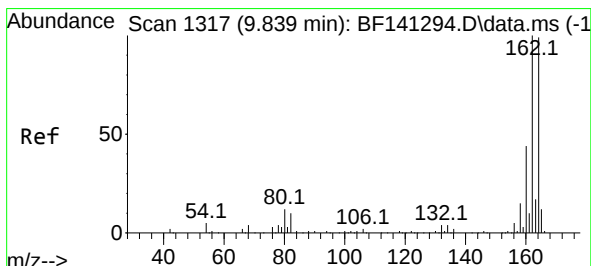
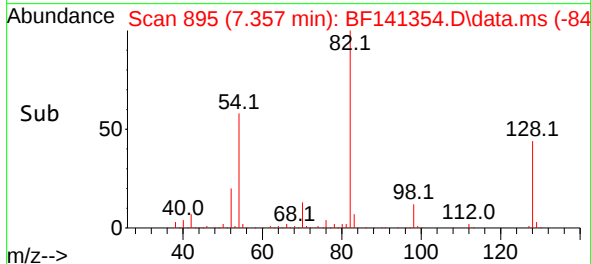
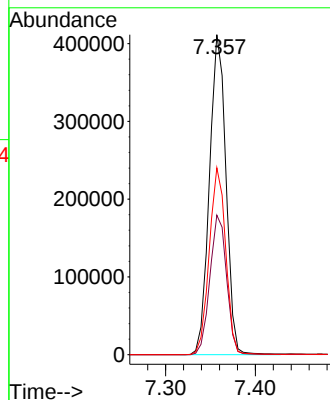
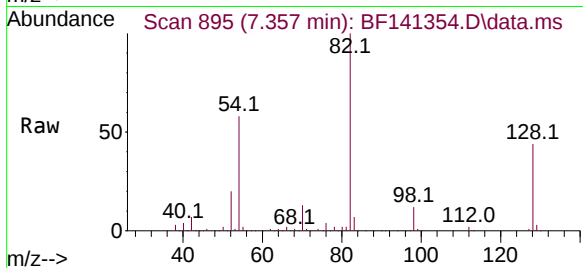
Tgt Ion: 82 Resp: 526924

Ion	Ratio	Lower	Upper
82	100		
128	43.6	35.7	53.5
54	58.4	47.1	70.7

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.833 min Scan# 1316

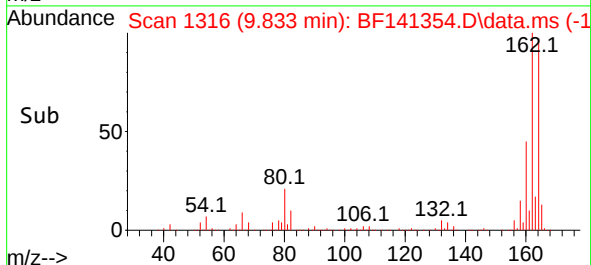
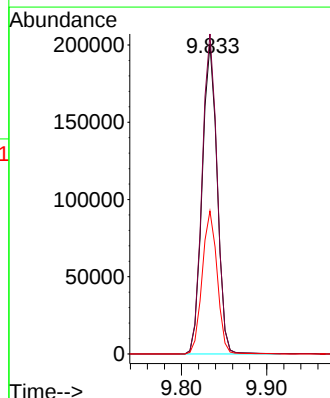
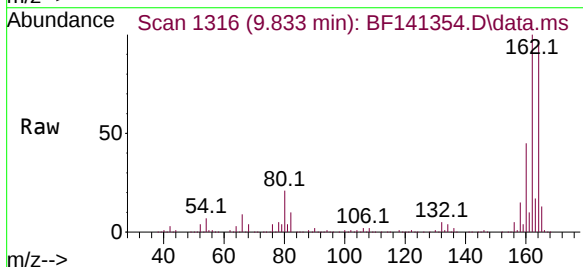
Delta R.T. -0.006 min

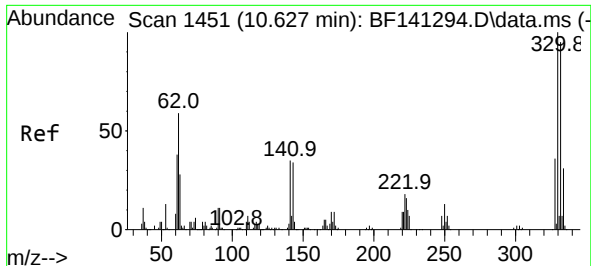
Lab File: BF141354.D

Acq: 01 Feb 2025 01:24

Tgt Ion:164 Resp: 245321

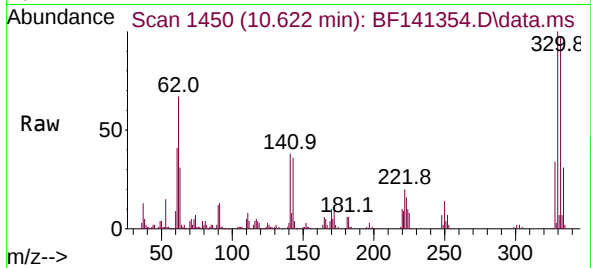
Ion	Ratio	Lower	Upper
164	100		
162	103.2	80.6	121.0
160	46.1	35.8	53.6





#42
2,4,6-Tribromophenol
Concen: 51.911 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.012 min
Lab File: BF141354.D
Acq: 01 Feb 2025 01:24

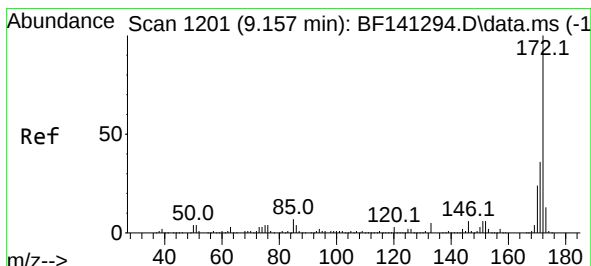
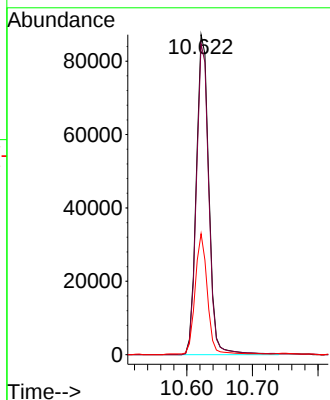
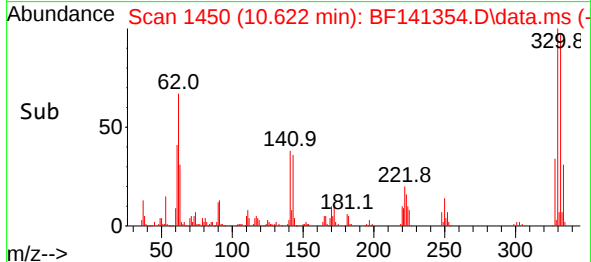
Instrument :
BNA_F
ClientSampleId :
RBR22266



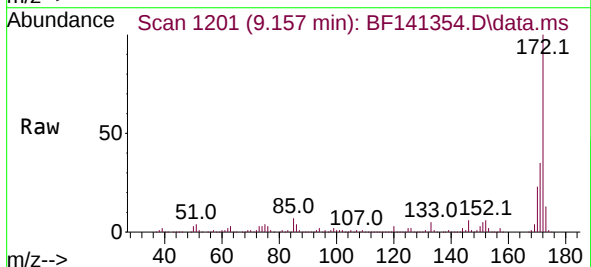
Tgt Ion: 330 Resp: 116749
Ion Ratio Lower Upper
330 100
332 95.9 76.1 114.1
141 37.4 28.8 43.2

Manual Integrations
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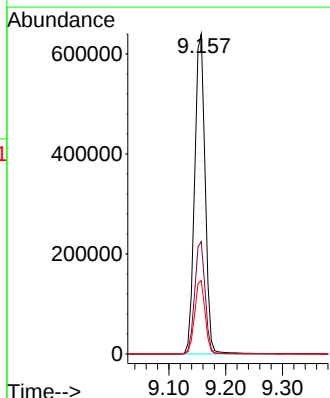
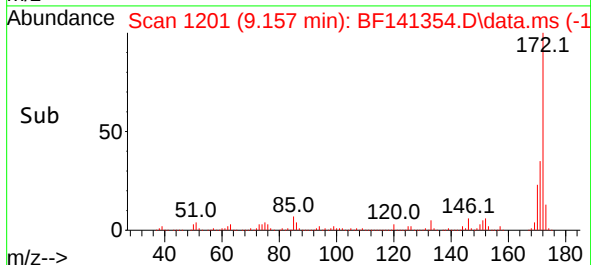
Reviewed By : Jagrut Upadhyay 02/03/2025
Supervised By : mohammad ahmed 02/04/2025

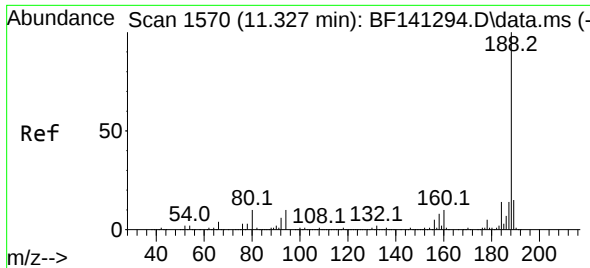


#45
2-Fluorobiphenyl
Concen: 52.073 ng
RT: 9.157 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF141354.D
Acq: 01 Feb 2025 01:24



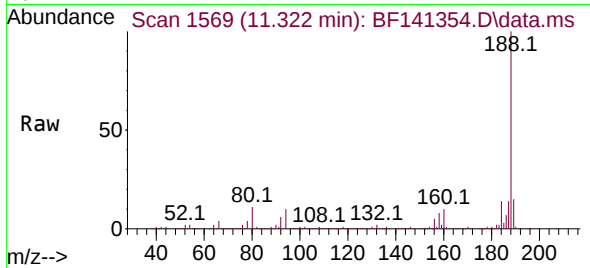
Tgt Ion: 172 Resp: 829951
Ion Ratio Lower Upper
172 100
171 35.1 28.8 43.2
170 23.0 19.0 28.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BF141354.D
Acq: 01 Feb 2025 01:24

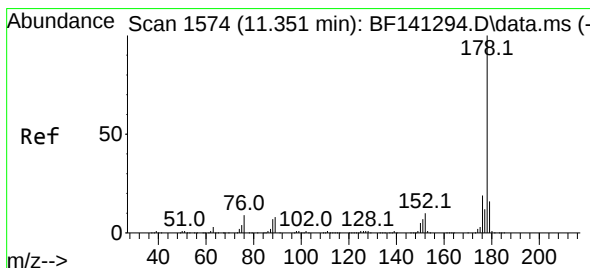
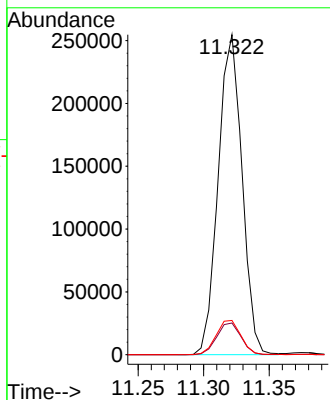
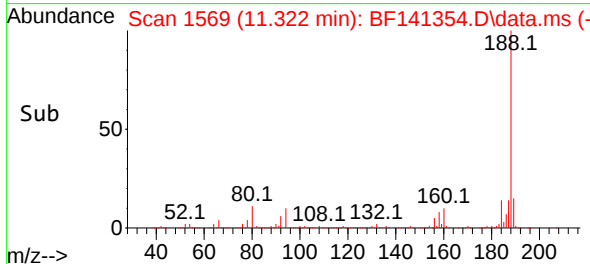
Instrument :
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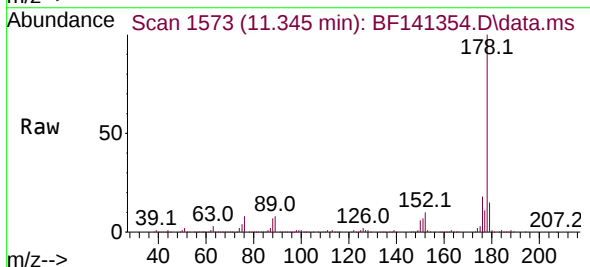
Tgt Ion:188 Resp: 32187
Ion Ratio Lower Upper
188 100
94 9.9 7.8 11.6
80 10.7 8.2 12.4

Manual Integrations
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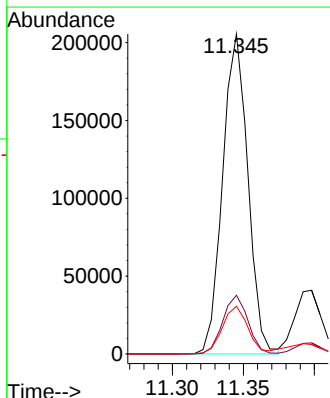
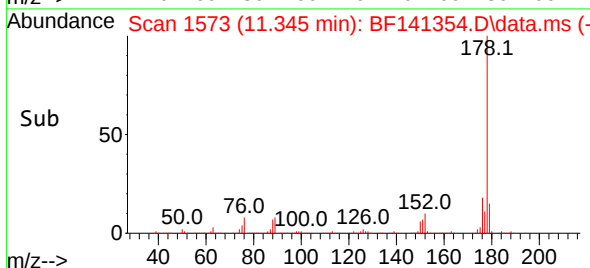
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

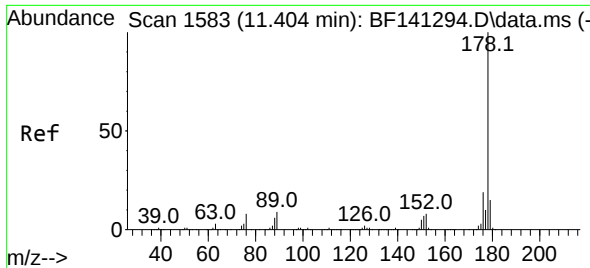


#71
Phenanthrene
Concen: 14.631 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF141354.D
Acq: 01 Feb 2025 01:24



Tgt Ion:178 Resp: 253150
Ion Ratio Lower Upper
178 100
176 18.3 15.3 22.9
179 14.9 12.5 18.7





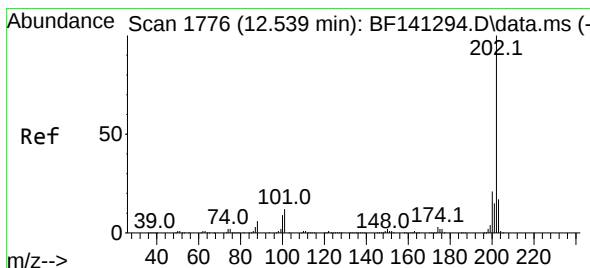
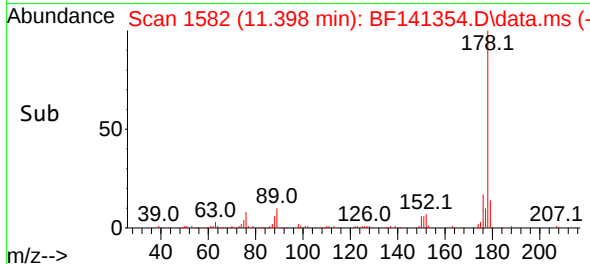
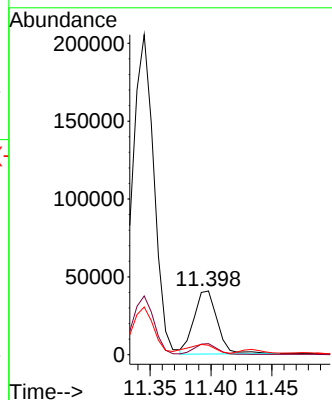
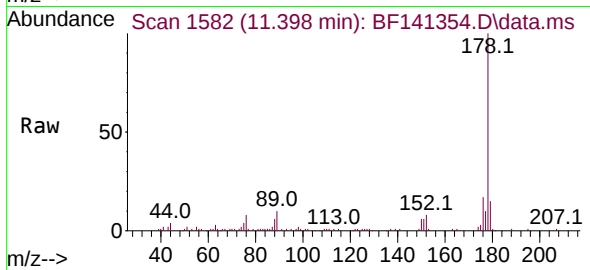
#72
 Anthracene
 Concen: 3.197 ng
 RT: 11.398 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF141354.D
 Acq: 01 Feb 2025 01:24

Instrument :
 BNA_F
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 RBR22266

Tgt Ion:178 Resp: 5419
 Ion Ratio Lower Upper
 178 100
 176 17.3 15.0 22.6
 179 14.9 12.3 18.5

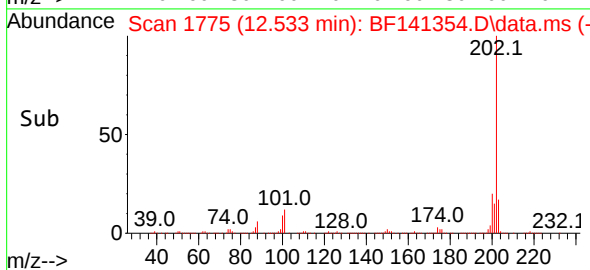
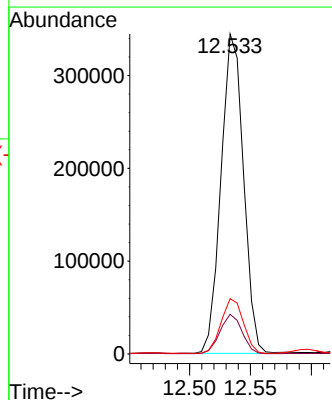
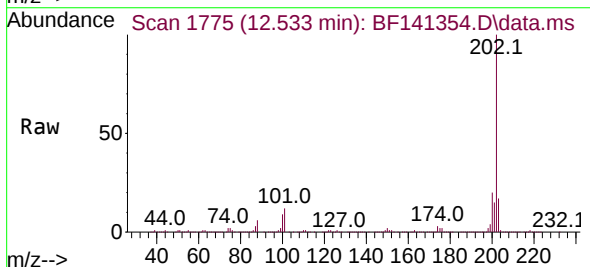
Manual Integrations
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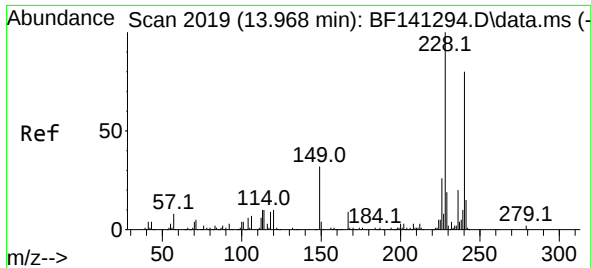
Reviewed By :Jagrut Upadhyay 02/03/2025
 Supervised By :mohammad ahmed 02/04/2025



#75
 Fluoranthene
 Concen: 25.890 ng
 RT: 12.533 min Scan# 1775
 Delta R.T. -0.006 min
 Lab File: BF141354.D
 Acq: 01 Feb 2025 01:24

Tgt Ion:202 Resp: 442307
 Ion Ratio Lower Upper
 202 100
 101 12.4 0.0 31.7
 203 17.3 0.0 37.5





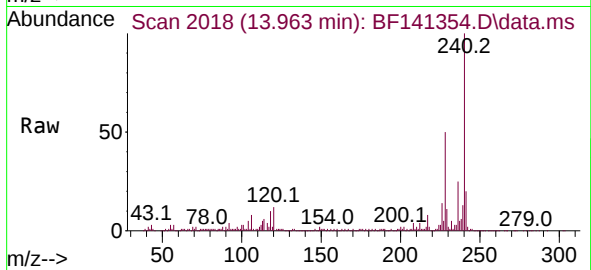
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF141354.D
Acq: 01 Feb 2025 01:24

Instrument :

BNA_F

ClientSampleId :

RBR22266

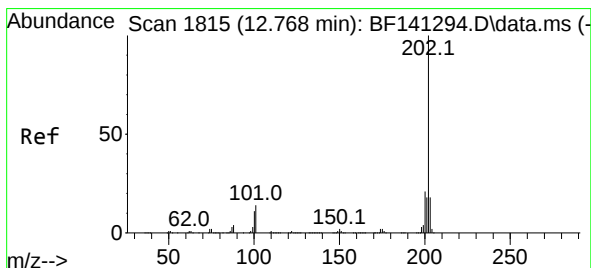
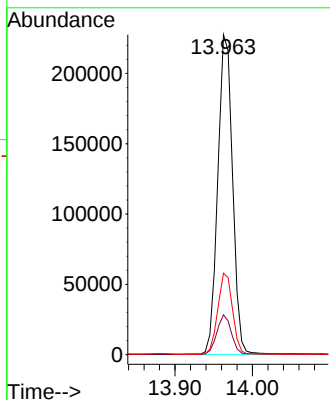
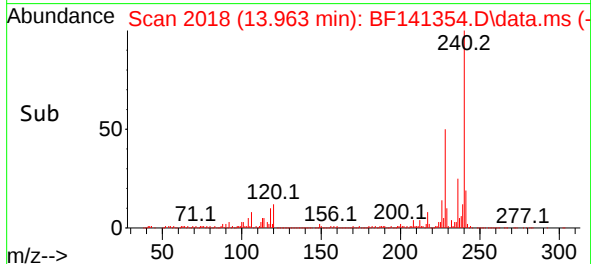


Tgt Ion:240 Resp: 30202
Ion Ratio Lower Upper
240 100
120 12.4 10.0 15.0
236 25.4 19.7 29.5

Manual Integrations

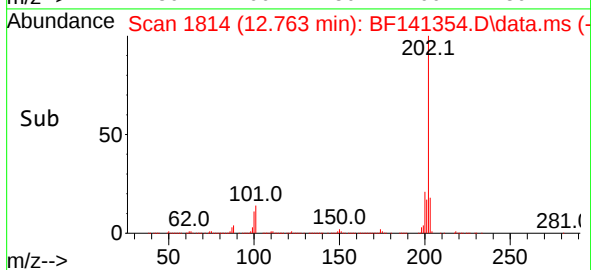
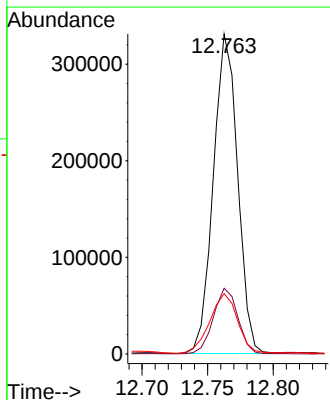
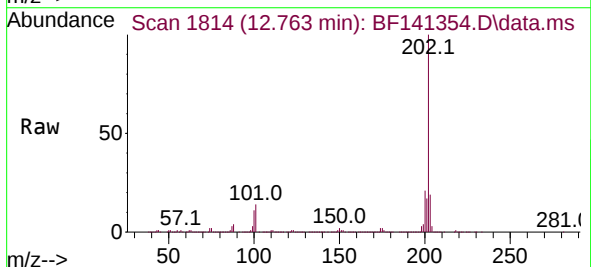
APPROVED

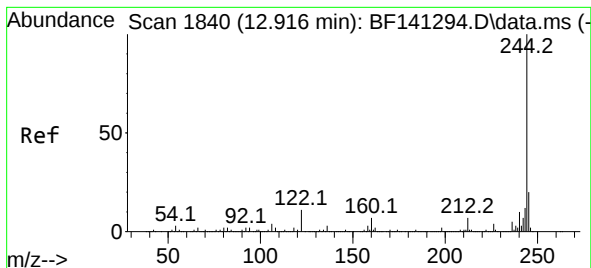
Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#78
Pyrene
Concen: 14.694 ng
RT: 12.763 min Scan# 1814
Delta R.T. -0.006 min
Lab File: BF141354.D
Acq: 01 Feb 2025 01:24

Tgt Ion:202 Resp: 426007
Ion Ratio Lower Upper
202 100
200 20.6 17.0 25.4
203 18.8 14.3 21.5





#79

Terphenyl-d14

Concen: 32.930 ng

RT: 12.910 min Scan# 1840

Delta R.T. -0.006 min

Lab File: BF141354.D

Acq: 01 Feb 2025 01:24

Instrument :

BNA_F

ClientSampleId :

RBR22266

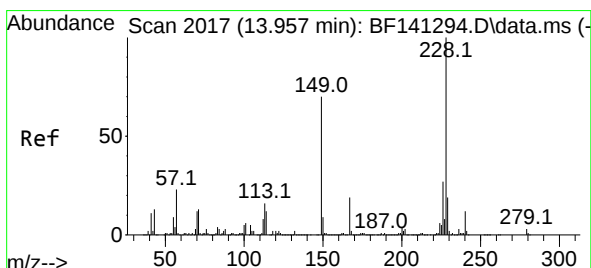
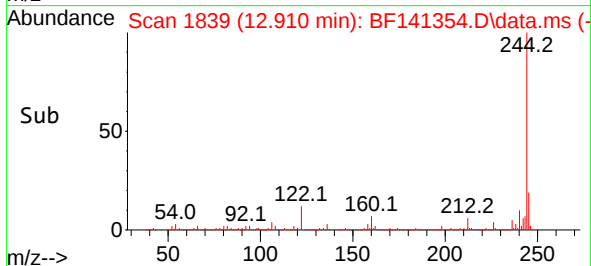
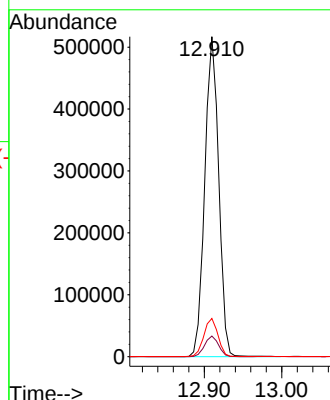
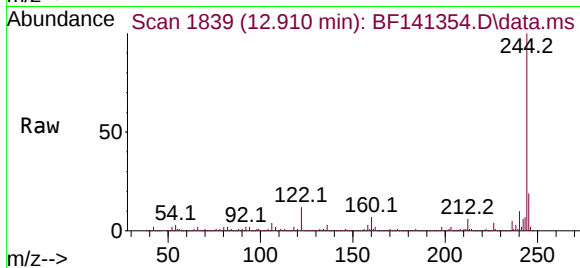
Tgt Ion:244 Resp: 64491

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	12.0	8.8	13.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#81

Benzo(a)anthracene

Concen: 12.220 ng

RT: 13.957 min Scan# 2017

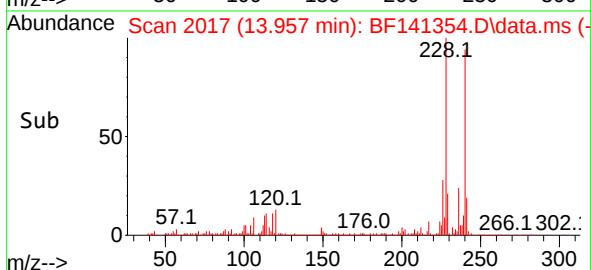
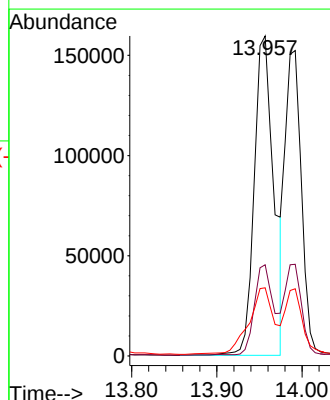
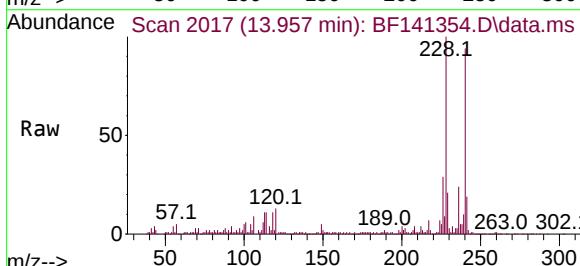
Delta R.T. -0.006 min

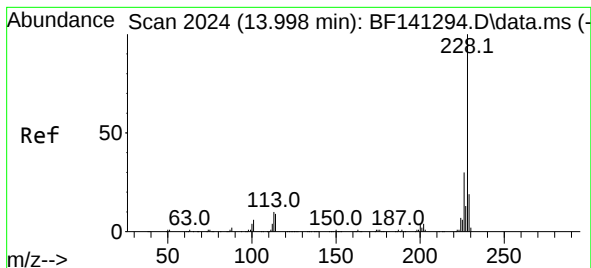
Lab File: BF141354.D

Acq: 01 Feb 2025 01:24

Tgt Ion:228 Resp: 254689

Ion	Ratio	Lower	Upper
228	100		
226	28.5	21.4	32.2
229	21.3	15.5	23.3





#83

Chrysene

Concen: 10.451 ng

RT: 13.992 min Scan# 2024

Delta R.T. -0.006 min

Lab File: BF141354.D

Acq: 01 Feb 2025 01:24

Instrument :

BNA_F

ClientSampleId :

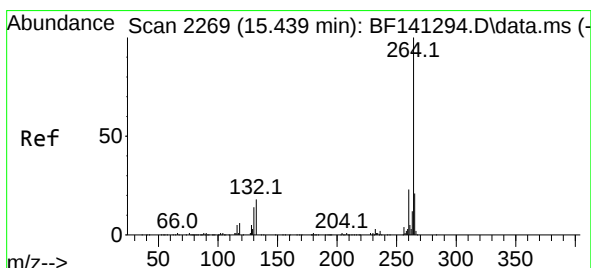
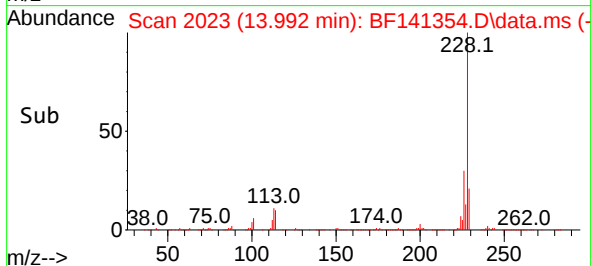
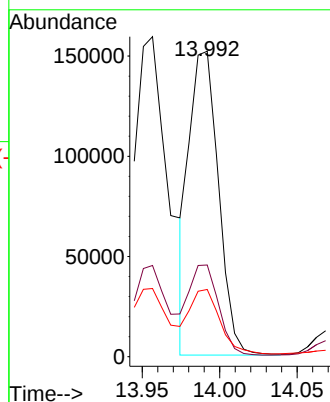
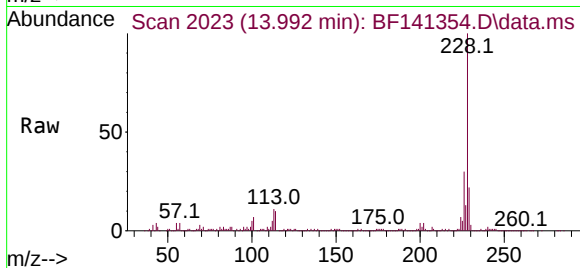
RBR22266

Tgt Ion:228 Resp: 199629
 Ion Ratio Lower Upper
 228 100
 226 30.0 24.1 36.1
 229 22.0 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
 Supervised By :mohammad ahmed 02/04/2025



#86

Perylene-d12

Concen: 20.000 ng

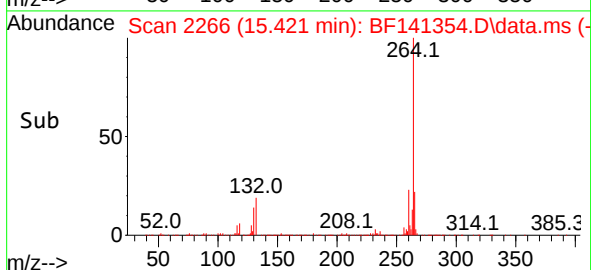
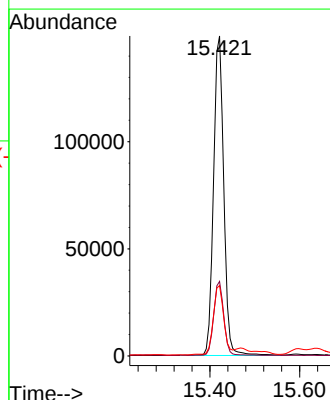
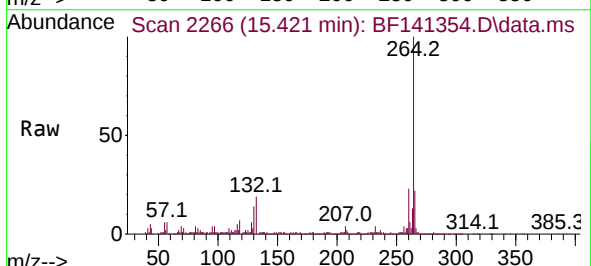
RT: 15.421 min Scan# 2266

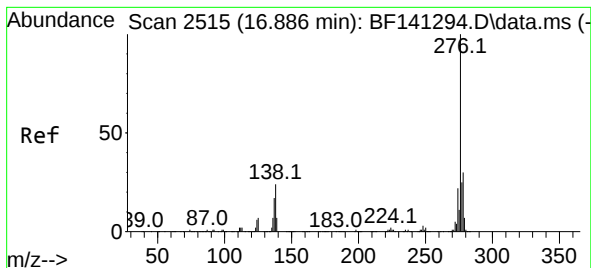
Delta R.T. -0.018 min

Lab File: BF141354.D

Acq: 01 Feb 2025 01:24

Tgt Ion:264 Resp: 235887
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.6 27.8
 265 22.0 16.7 25.1





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.122 ng

RT: 16.856 min Scan# 2194

Delta R.T. -0.041 min

Lab File: BF141354.D

Acq: 01 Feb 2025 01:24

Instrument :

BNA_F

ClientSampleId :

RBR22266

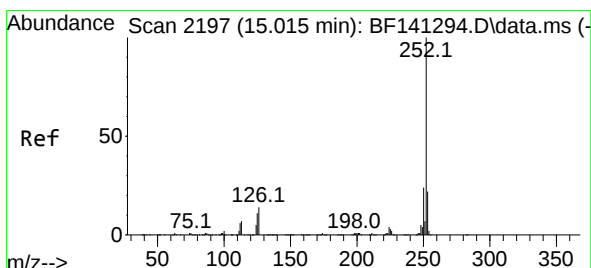
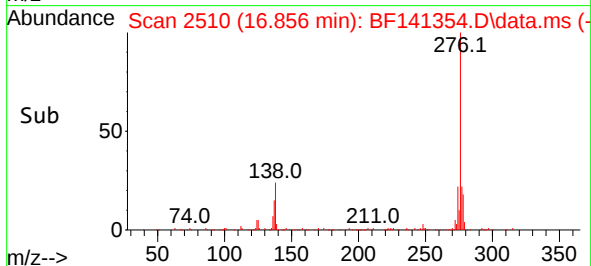
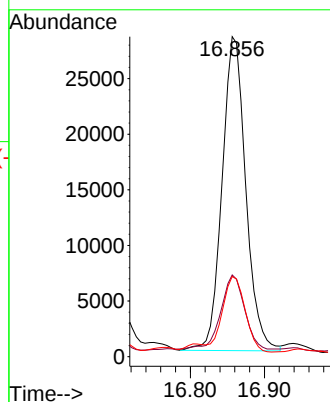
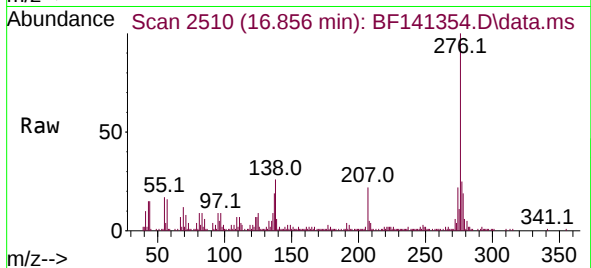
Tgt Ion:276 Resp: 62764

Ion	Ratio	Lower	Upper
276	100		
138	24.0	21.7	32.5
277	23.6	20.3	30.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#88

Benzo(b)fluoranthene

Concen: 15.749 ng m

RT: 14.998 min Scan# 2194

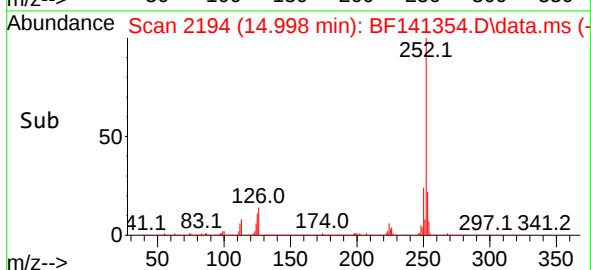
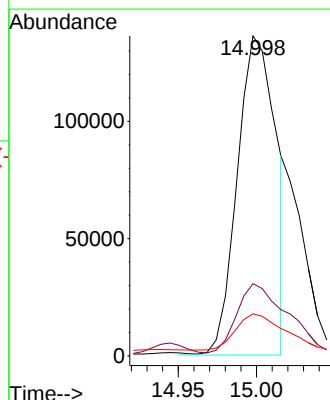
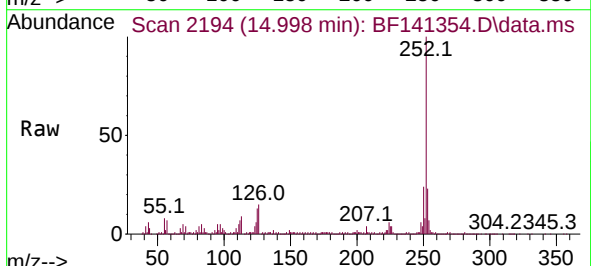
Delta R.T. -0.024 min

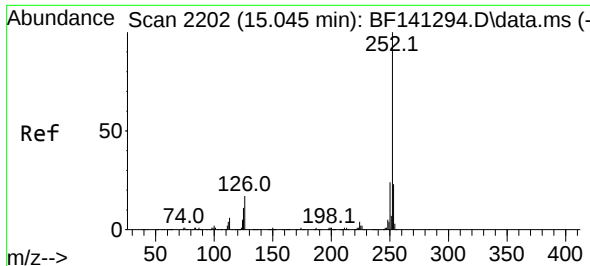
Lab File: BF141354.D

Acq: 01 Feb 2025 01:24

Tgt Ion:252 Resp: 233688

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.4	26.2
125	13.2	8.6	12.8





#89

Benzo(k)fluoranthene

Concen: 5.526 ng m

RT: 15.015 min Scan# 2197

Delta R.T. -0.035 min

Lab File: BF141354.D

Acq: 01 Feb 2025 01:24

Instrument :

BNA_F

ClientSampleId :

RBR22266

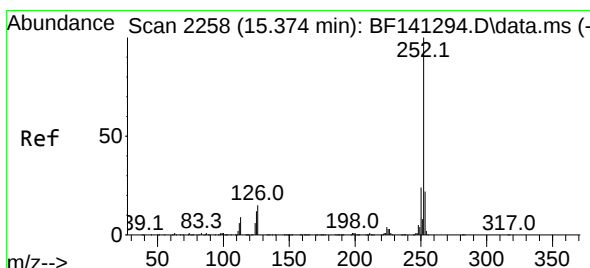
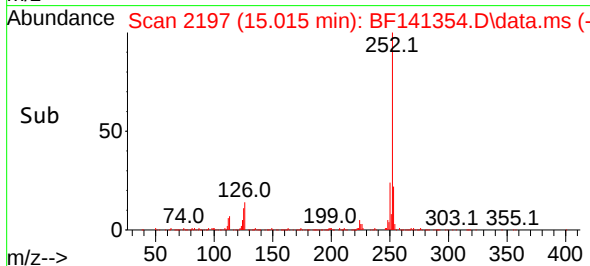
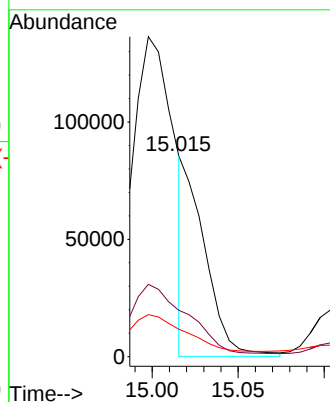
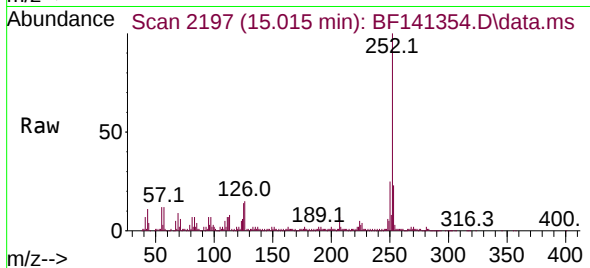
Tgt Ion:252 Resp: 7263

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.6	26.4
125	13.7	8.4	12.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025



#90

Benzo(a)pyrene

Concen: 10.285 ng

RT: 15.357 min Scan# 2255

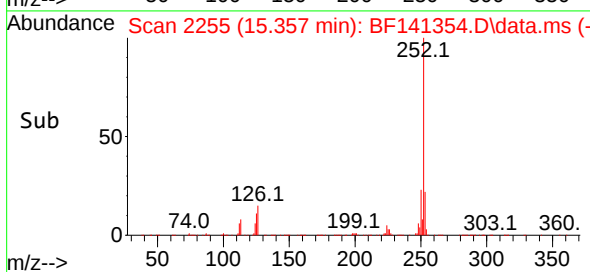
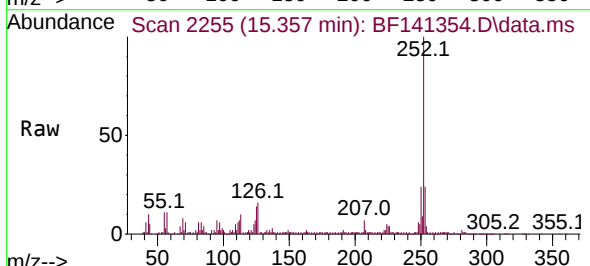
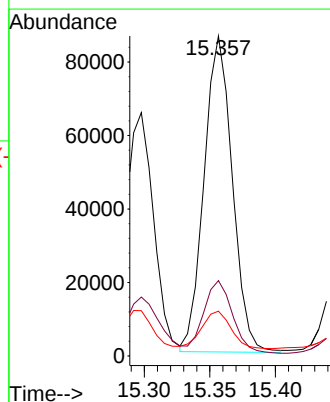
Delta R.T. -0.024 min

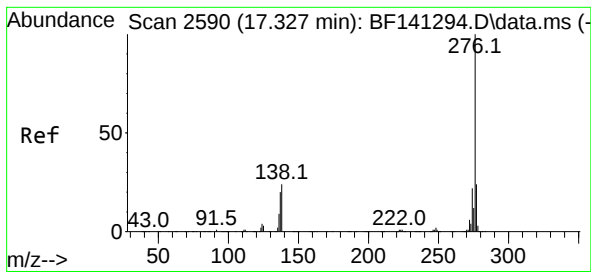
Lab File: BF141354.D

Acq: 01 Feb 2025 01:24

Tgt Ion:252 Resp: 128967

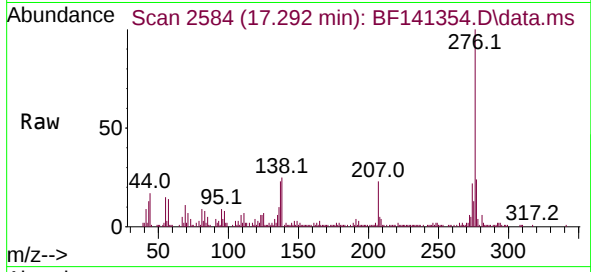
Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.2	25.8
125	14.0	9.4	14.2





#92
Benzo(g,h,i)perylene
Concen: 4.681 ng
RT: 17.292 min Scan# 2584
Delta R.T. -0.053 min
Lab File: BF141354.D
Acq: 01 Feb 2025 01:24

Instrument :
BNA_F
ClientSampleId :
RBR22266



Tgt Ion: 276 Resp: 59614
Ion Ratio Lower Upper
276 100
277 24.5 19.2 28.8
138 25.0 19.0 28.4

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 02/03/2025
Supervised By :mohammad ahmed 02/04/2025

