

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
 Data File : BF141015.D
 Acq On : 27 Dec 2024 23:29
 Operator : RC/JU
 Sample : P5387-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-122624

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/30/2024
 Supervised By :mohammad ahmed 12/30/2024

Quant Time: Dec 28 00:25:36 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 27 00:31:16 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	232478	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	727876	20.000	ng	# 0.00
39) Acenaphthene-d10	9.863	164	356592	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	548040	20.000	ng	0.00
76) Chrysene-d12	13.980	240	369128	20.000	ng	0.00
86) Perylene-d12	15.439	264	308501	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1676031	108.673	ng	0.00
7) Phenol-d6	6.446	99	2078156	104.600	ng	0.00
23) Nitrobenzene-d5	7.387	82	1240275	109.016	ng	0.00
42) 2,4,6-Tribromophenol	10.645	330	400997	115.727	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	1793690	80.141	ng	0.00
79) Terphenyl-d14	12.933	244	1752072	78.839	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.822	142	274763	11.198	ng	99
38) 1-Methylnaphthalene	8.916	142	167321	6.939	ng	95
46) 1,1'-Biphenyl	9.281	154	112453	4.119	ng	96
71) Phenanthrene	11.369	178	155376	5.387	ng	# 92
75) Fluoranthene	12.557	202	208523	6.666	ng	97
78) Pyrene	12.786	202	212691	6.588	ng	97
81) Benzo(a)anthracene	13.969	228	82584	3.210	ng	# 87
83) Chrysene	14.004	228	87213	3.761	ng	# 92
88) Benzo(b)fluoranthene	15.016	252	83025m	3.859	ng	
90) Benzo(a)pyrene	15.374	252	52587	3.149	ng	# 69
92) Benzo(g,h,i)perylene	17.327	276	33683	2.061	ng	# 78

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

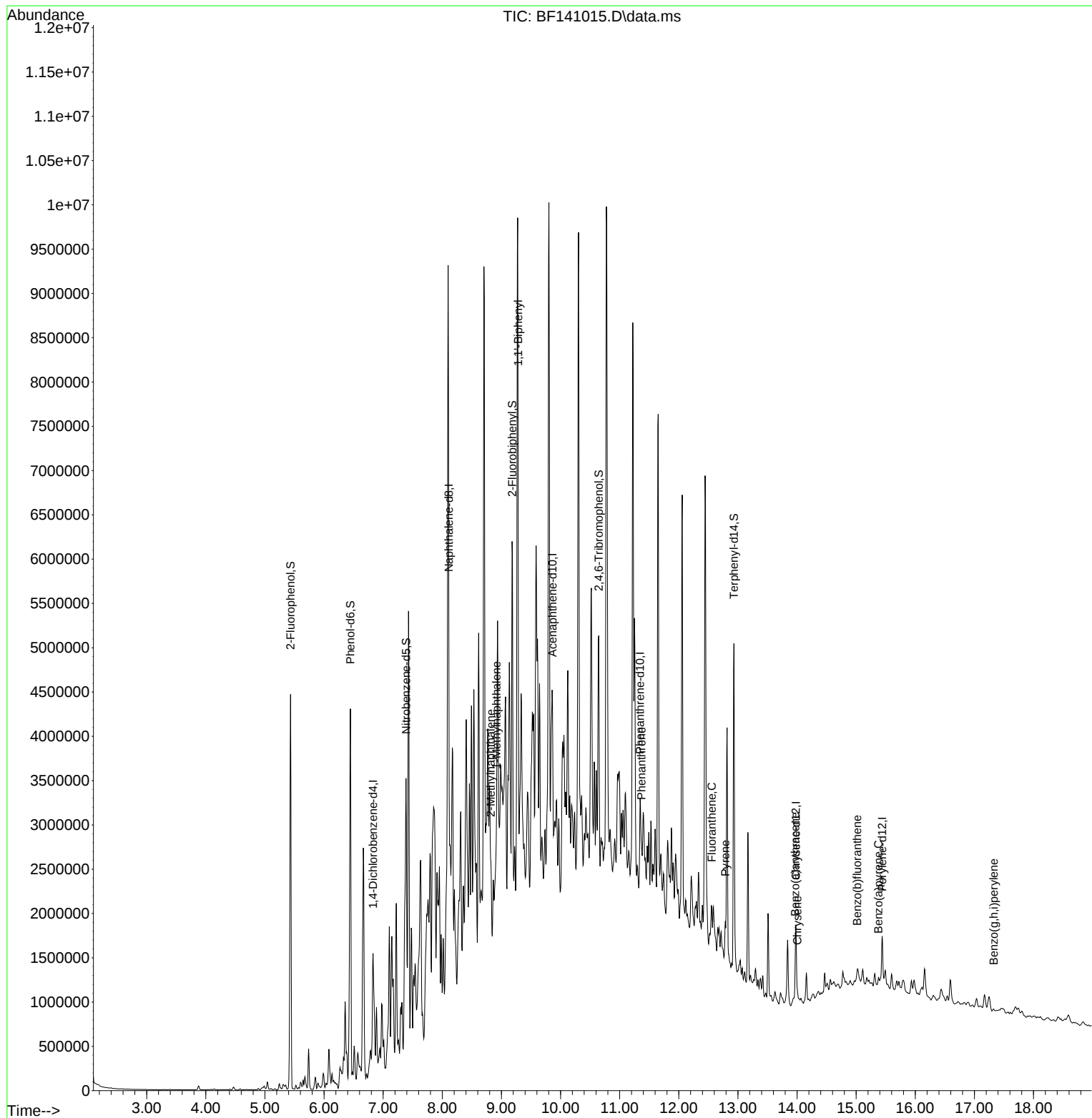
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF141015.D
Acq On : 27 Dec 2024 23:29
Operator : RC/JU
Sample : P5387-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

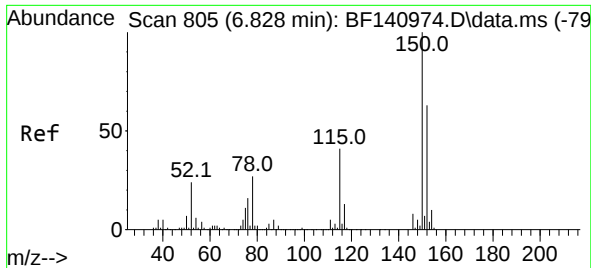
Instrument :
BNA_F
ClientSampleId :
TR-05-122624

Quant Time: Dec 28 00:25:36 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024





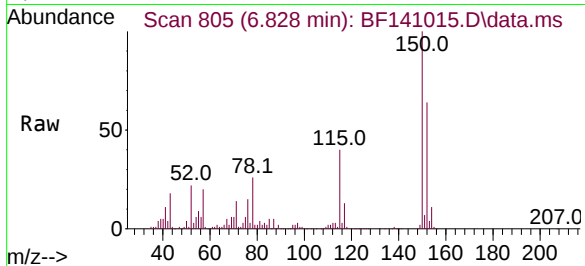
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF141015.D
Acq: 27 Dec 2024 23:29

Instrument :

BNA_F

ClientSampleId :

TR-05-122624



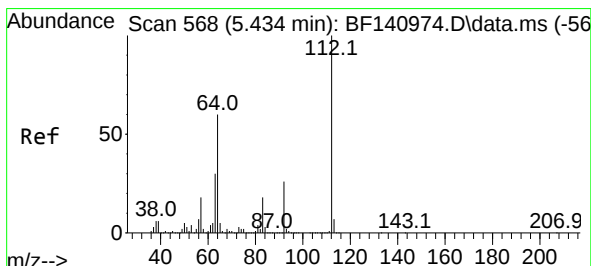
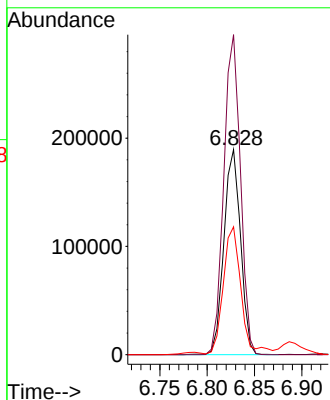
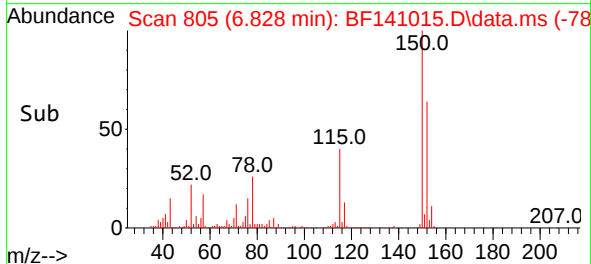
Tgt Ion:152 Resp: 232478
Ion Ratio Lower Upper
152 100
150 156.0 127.0 190.6
115 62.4 51.7 77.5

Manual Integrations

APPROVED

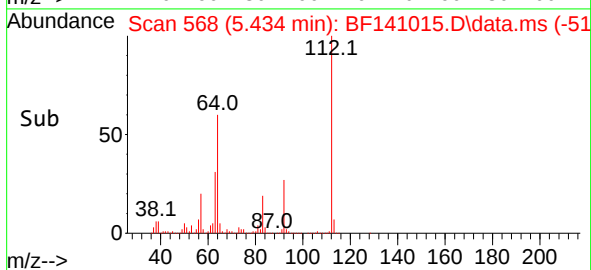
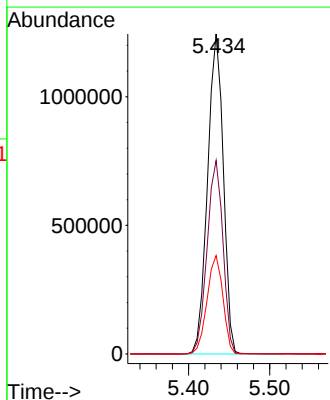
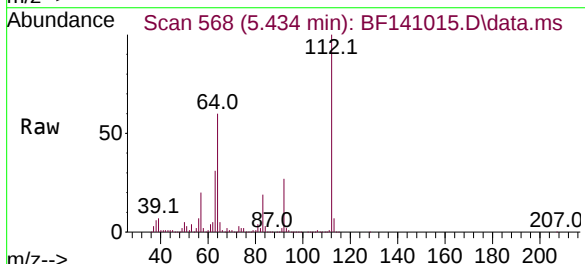
Reviewed By :Yogesh Patel 12/30/2024

Supervised By :mohammad ahmed 12/30/2024



#5
2-Fluorophenol
Concen: 108.673 ng
RT: 5.434 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF141015.D
Acq: 27 Dec 2024 23:29

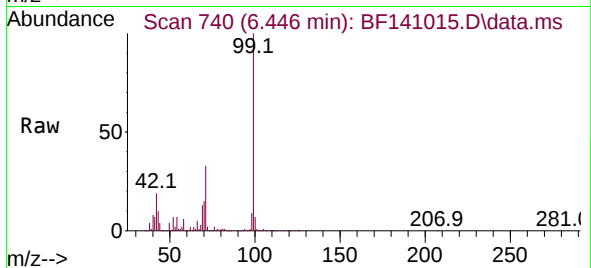
Tgt Ion:112 Resp: 1676031
Ion Ratio Lower Upper
112 100
64 60.5 47.7 71.5
63 30.8 24.2 36.2





#7
Phenol-d6
Concen: 104.600 ng
RT: 6.446 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF141015.D
Acq: 27 Dec 2024 23:29

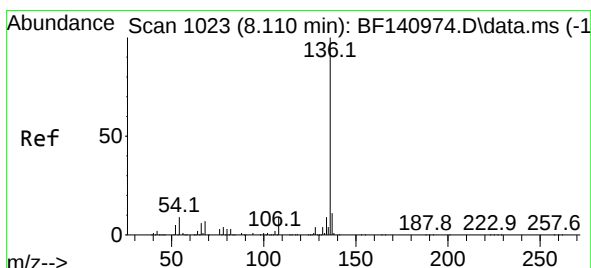
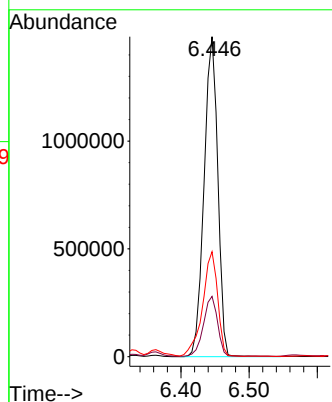
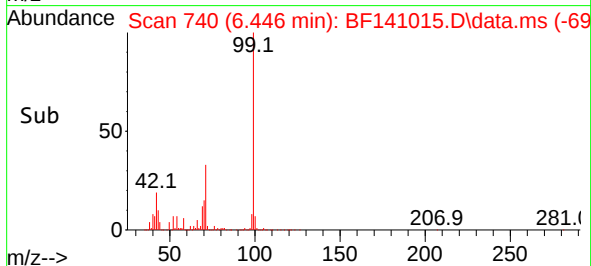
Instrument :
BNA_F
ClientSampleId :
TR-05-122624



Tgt Ion: 99 Resp: 2078150
Ion Ratio Lower Upper
99 100
42 18.8 15.0 22.4
71 32.8 26.2 39.2

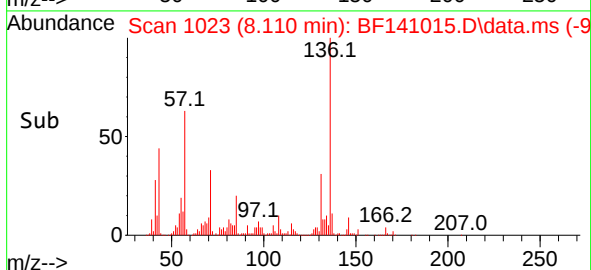
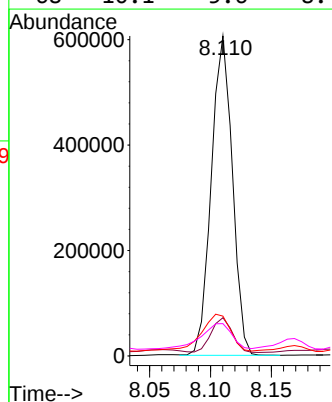
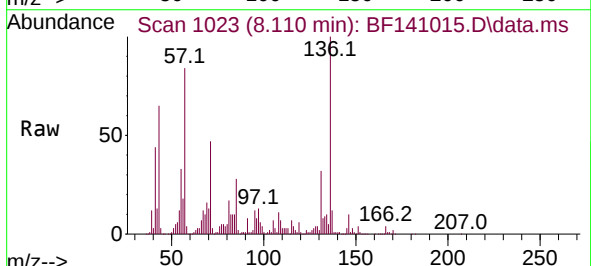
Manual Integrations
APPROVED

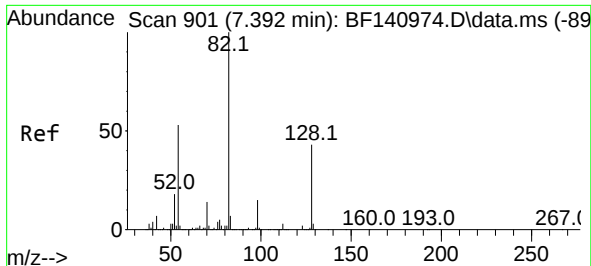
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF141015.D
Acq: 27 Dec 2024 23:29

Tgt Ion:136 Resp: 727876
Ion Ratio Lower Upper
136 100
137 11.9 9.0 13.4
54 12.5 7.6 11.4#
68 10.1 5.6 8.4#





#23
Nitrobenzene-d5
Concen: 109.016 ng
RT: 7.387 min Scan# 901
Delta R.T. -0.006 min
Lab File: BF141015.D
Acq: 27 Dec 2024 23:29

Instrument :

BNA_F

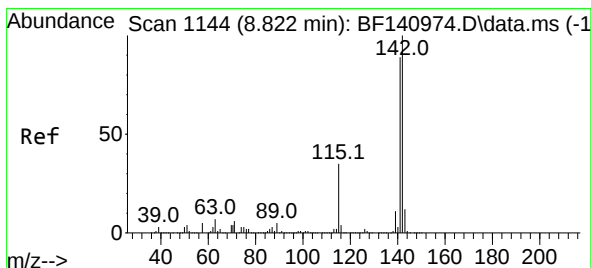
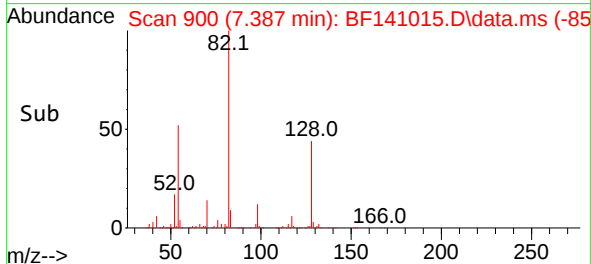
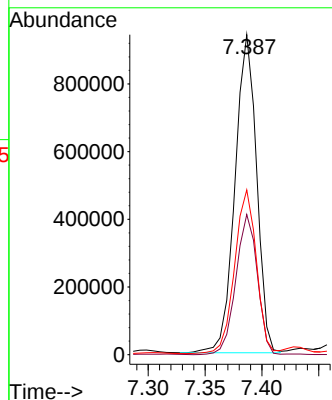
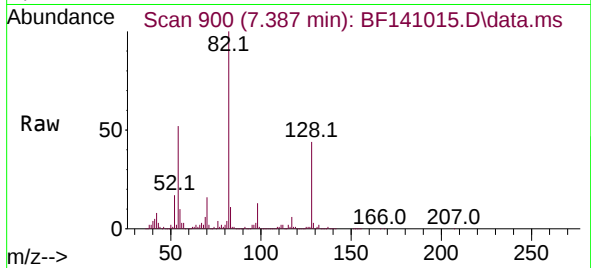
ClientSampleId :

TR-05-122624

Tgt Ion: 82 Resp: 1240275
Ion Ratio Lower Upper
82 100
128 43.8 34.4 51.6
54 51.5 42.4 63.6

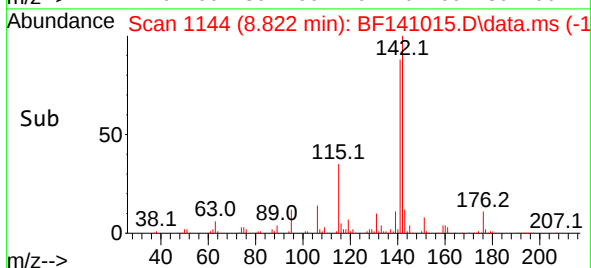
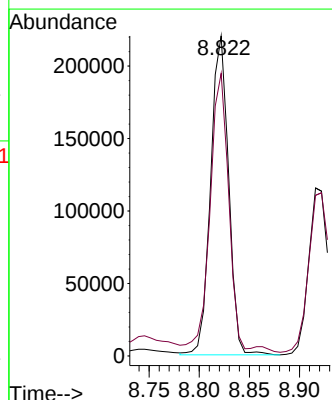
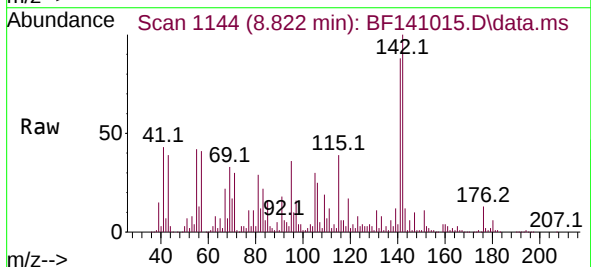
Manual Integrations
APPROVED

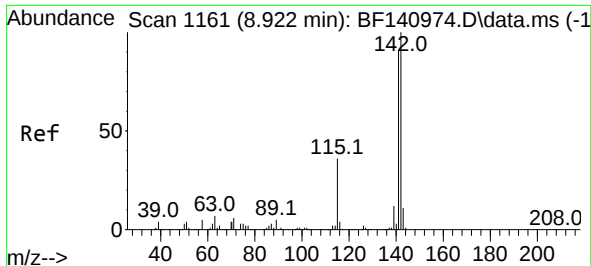
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#37
2-Methylnaphthalene
Concen: 11.198 ng
RT: 8.822 min Scan# 1144
Delta R.T. 0.000 min
Lab File: BF141015.D
Acq: 27 Dec 2024 23:29

Tgt Ion:142 Resp: 274763
Ion Ratio Lower Upper
142 100
141 88.3 71.1 106.7





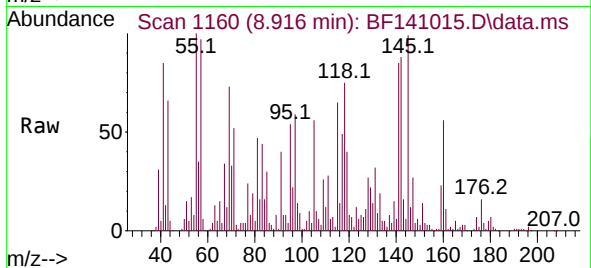
#38
1-Methylnaphthalene
Concen: 6.939 ng
RT: 8.916 min Scan# 1160
Delta R.T. -0.006 min
Lab File: BF141015.D
Acq: 27 Dec 2024 23:29

Instrument :

BNA_F

ClientSampleId :

TR-05-122624



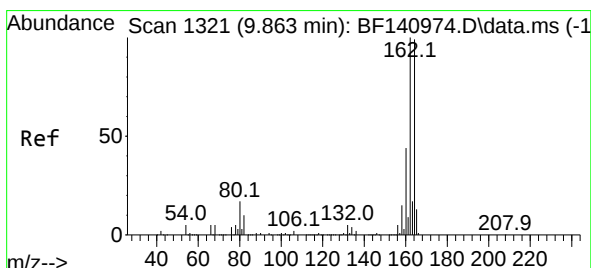
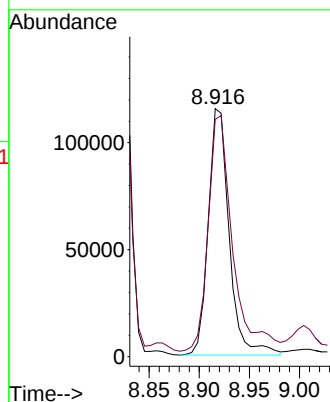
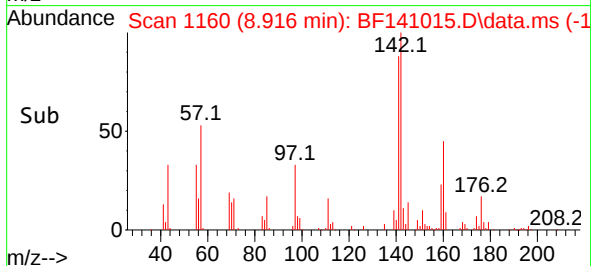
Tgt Ion:142 Resp: 16732
Ion Ratio Lower Upper
142 100
141 95.7 72.7 109.1

Manual Integrations

APPROVED

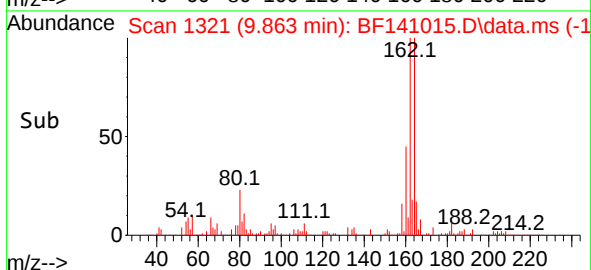
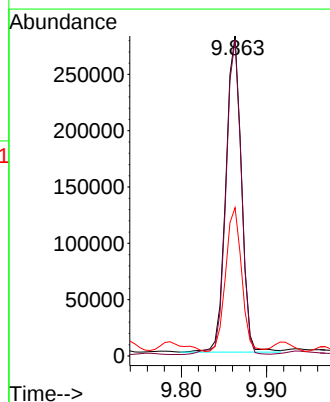
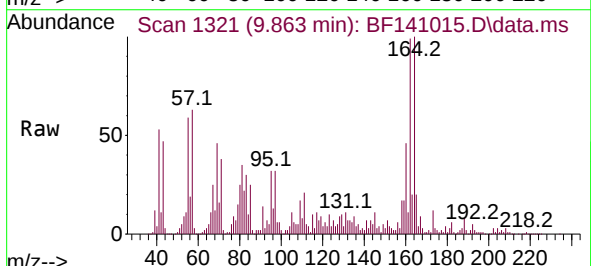
Reviewed By :Yogesh Patel 12/30/2024

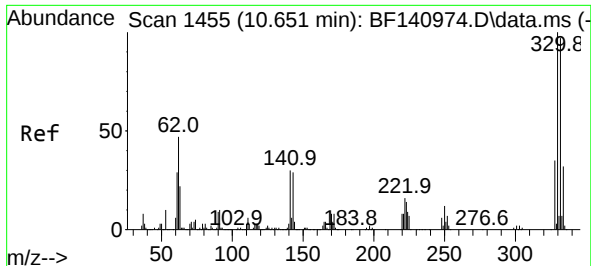
Supervised By :mohammad ahmed 12/30/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1321
Delta R.T. 0.000 min
Lab File: BF141015.D
Acq: 27 Dec 2024 23:29

Tgt Ion:164 Resp: 356592
Ion Ratio Lower Upper
164 100
162 98.7 80.6 120.8
160 46.4 35.7 53.5





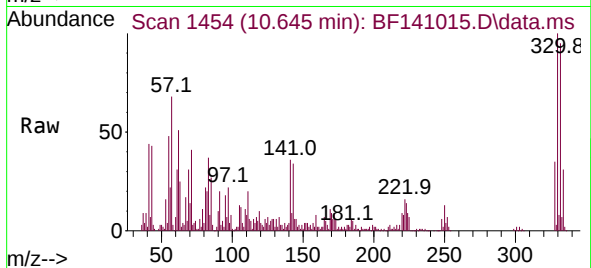
#42
2,4,6-Tribromophenol
Concen: 115.727 ng
RT: 10.645 min Scan# 1455
Delta R.T. -0.006 min
Lab File: BF141015.D
Acq: 27 Dec 2024 23:29

Instrument :

BNA_F

ClientSampleId :

TR-05-122624



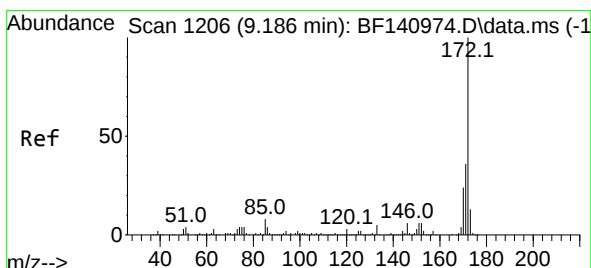
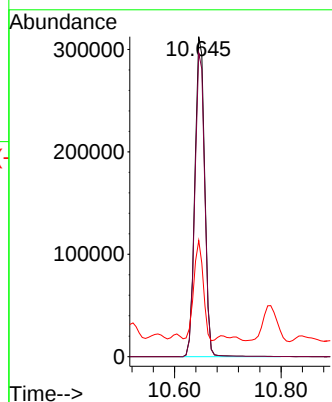
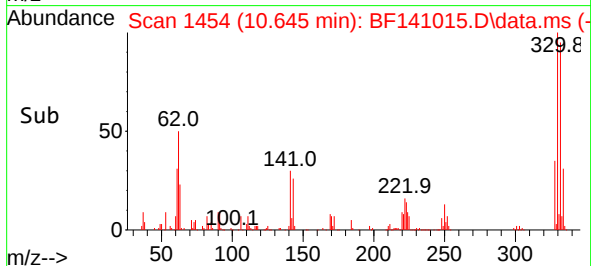
Tgt Ion:330 Resp: 400997
Ion Ratio Lower Upper
330 100
332 95.4 78.0 117.0
141 29.8 26.4 39.6

Manual Integrations

APPROVED

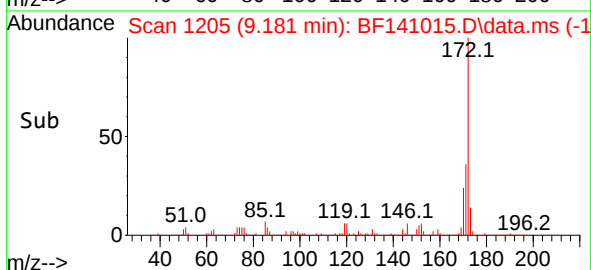
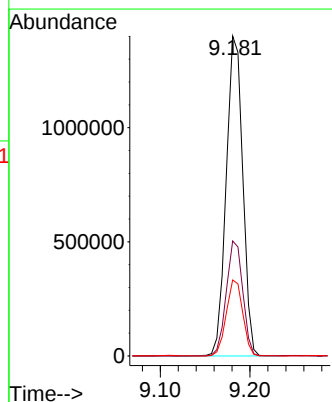
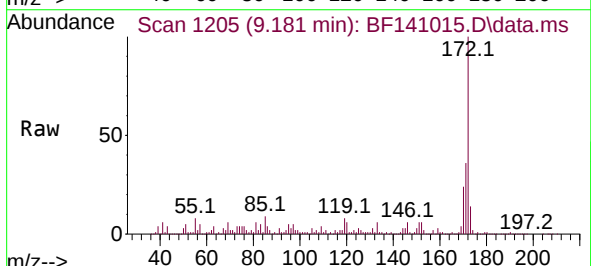
Reviewed By :Yogesh Patel 12/30/2024

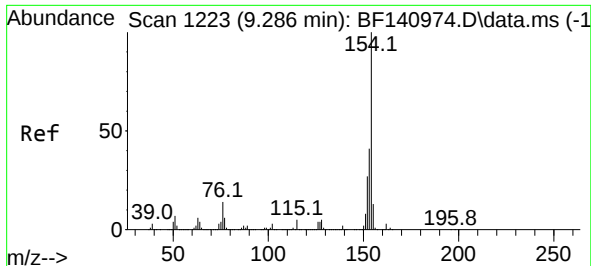
Supervised By :mohammad ahmed 12/30/2024



#45
2-Fluorobiphenyl
Concen: 80.141 ng
RT: 9.181 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF141015.D
Acq: 27 Dec 2024 23:29

Tgt Ion:172 Resp: 1793690
Ion Ratio Lower Upper
172 100
171 35.9 29.0 43.4
170 23.7 19.6 29.4





#46
1,1'-Biphenyl
Concen: 4.119 ng
RT: 9.281 min Scan# 11245
Delta R.T. -0.005 min
Lab File: BF141015.D
Acq: 27 Dec 2024 23:29

Instrument :

BNA_F

ClientSampleId :

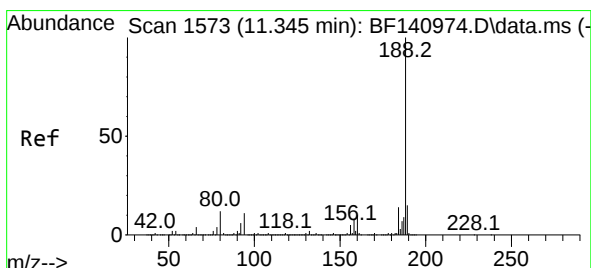
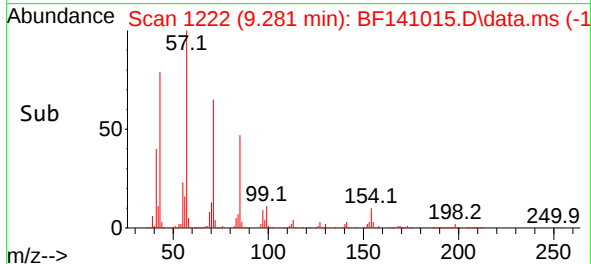
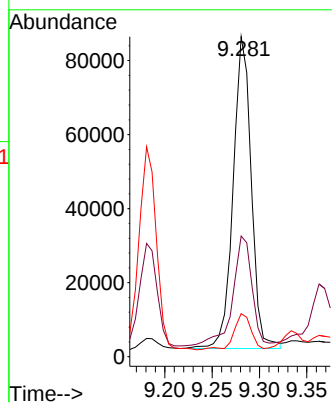
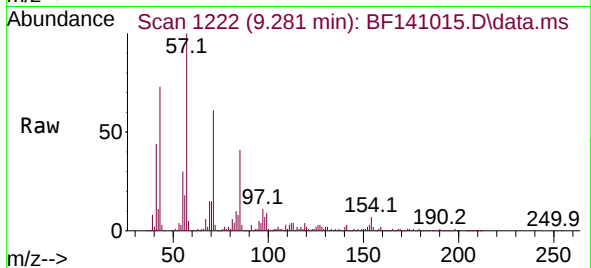
TR-05-122624

Tgt Ion:154 Resp: 11245
Ion Ratio Lower Upper
154 100
153 37.7 20.9 60.9
76 13.5 0.0 34.0

Manual Integrations

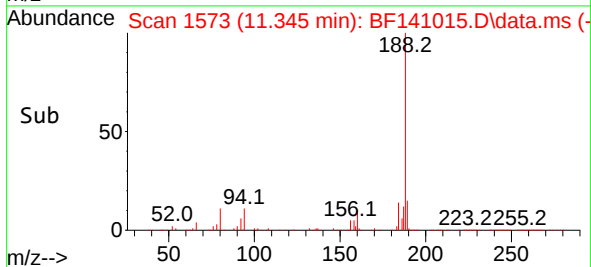
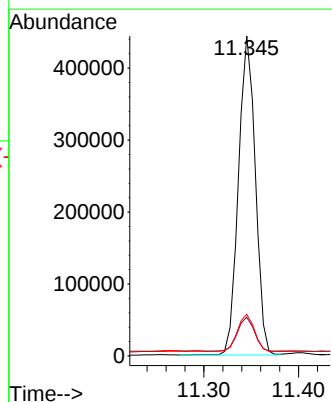
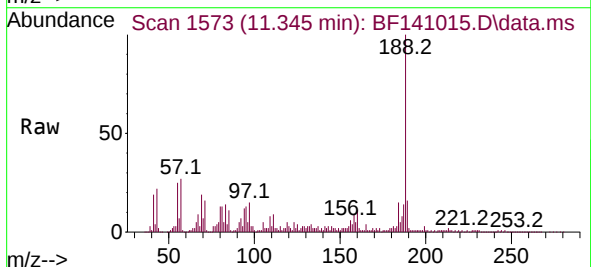
APPROVED

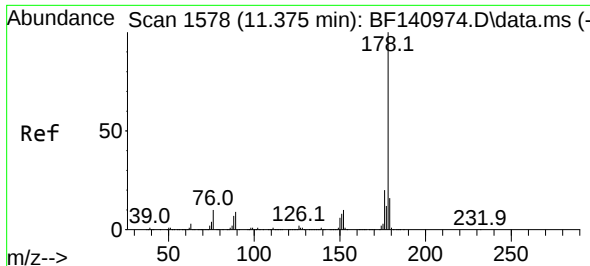
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF141015.D
Acq: 27 Dec 2024 23:29

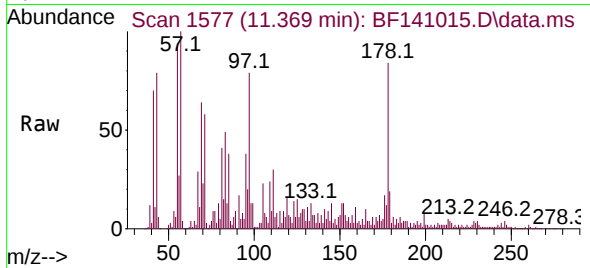
Tgt Ion:188 Resp: 548040
Ion Ratio Lower Upper
188 100
94 12.1 9.0 13.6
80 13.0 9.8 14.6





#71
Phenanthrene
Concen: 5.387 ng
RT: 11.369 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141015.D
Acq: 27 Dec 2024 23:29

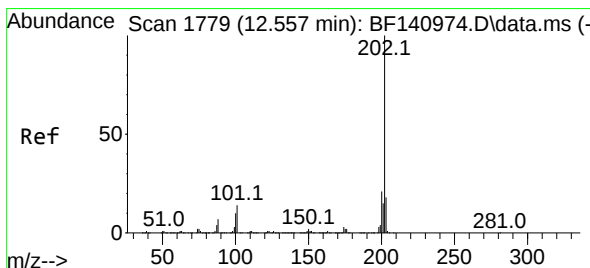
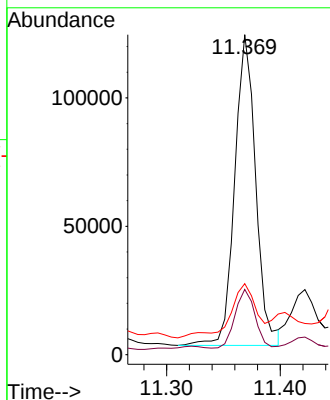
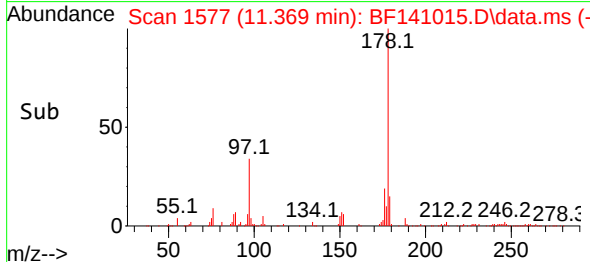
Instrument :
BNA_F
ClientSampleId :
TR-05-122624



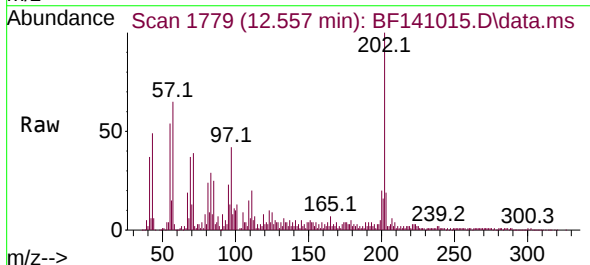
Tgt Ion:178 Resp: 155370
Ion Ratio Lower Upper
178 100
176 20.4 15.8 23.6
179 22.2 12.6 19.0

Manual Integrations
APPROVED

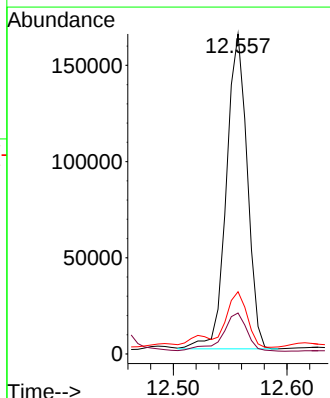
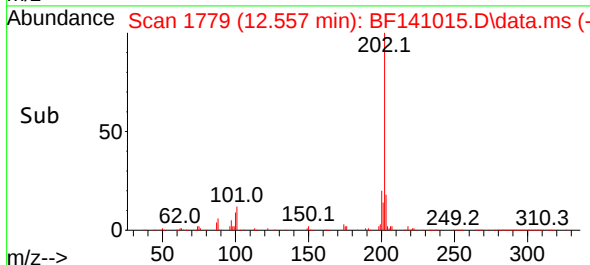
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

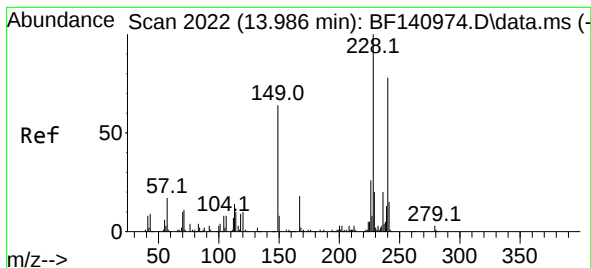


#75
Fluoranthene
Concen: 6.666 ng
RT: 12.557 min Scan# 1779
Delta R.T. 0.000 min
Lab File: BF141015.D
Acq: 27 Dec 2024 23:29



Tgt Ion:202 Resp: 208523
Ion Ratio Lower Upper
202 100
101 12.8 0.0 33.7
203 19.4 0.0 38.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.980 min Scan# 2022

Delta R.T. -0.006 min

Lab File: BF141015.D

Acq: 27 Dec 2024 23:29

Instrument :

BNA_F

ClientSampleId :

TR-05-122624

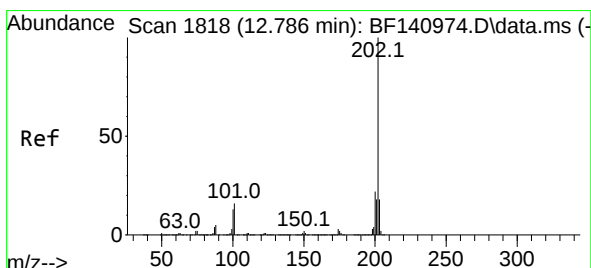
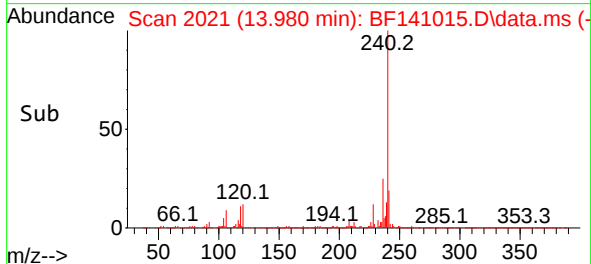
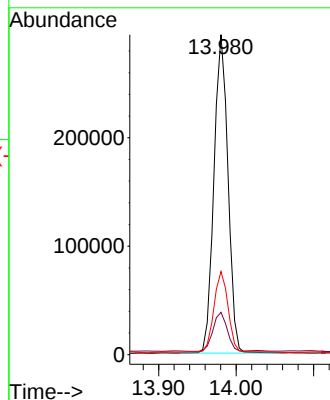
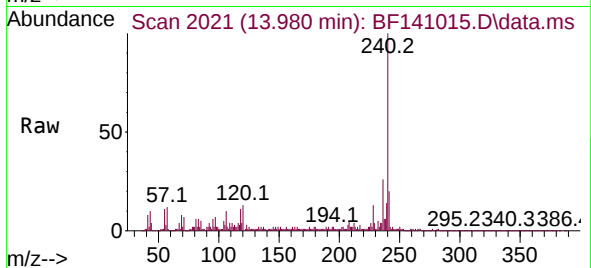
Tgt Ion:240 Resp: 369128
 Ion Ratio Lower Upper
 240 100
 120 13.3 10.7 16.1
 236 26.0 20.6 31.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/30/2024

Supervised By :mohammad ahmed 12/30/2024



#78

Pyrene

Concen: 6.588 ng

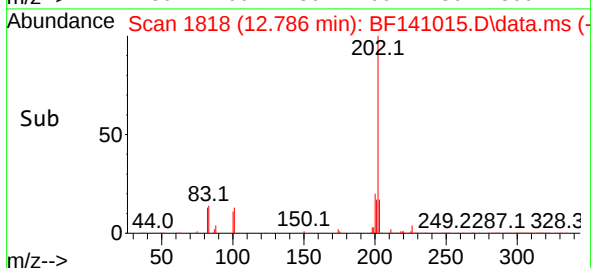
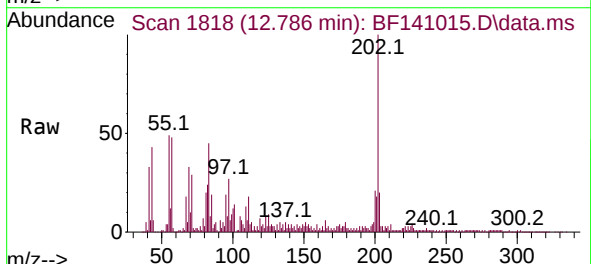
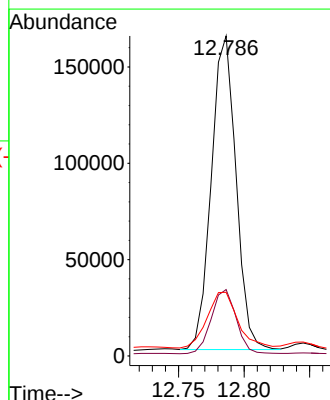
RT: 12.786 min Scan# 1818

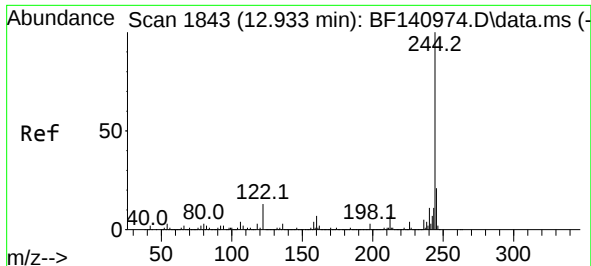
Delta R.T. 0.000 min

Lab File: BF141015.D

Acq: 27 Dec 2024 23:29

Tgt Ion:202 Resp: 212691
 Ion Ratio Lower Upper
 202 100
 200 20.8 17.3 25.9
 203 19.9 14.6 21.8





#79
 Terphenyl-d14
 Concen: 78.839 ng
 RT: 12.933 min Scan# 1843
 Delta R.T. 0.000 min
 Lab File: BF141015.D
 Acq: 27 Dec 2024 23:29

Instrument :

BNA_F

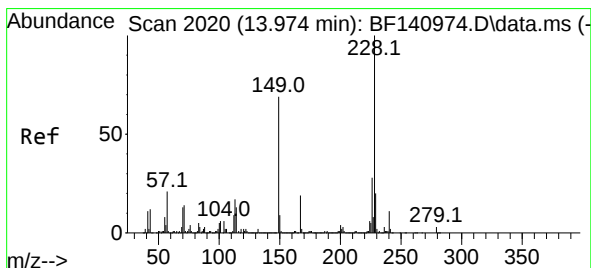
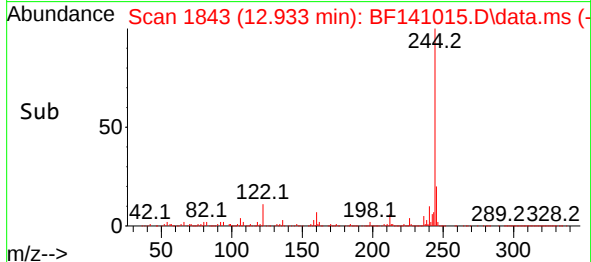
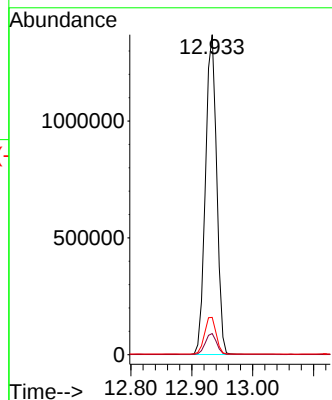
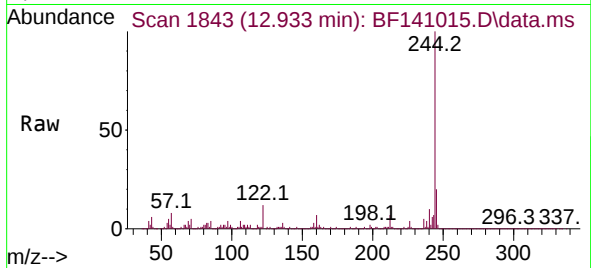
ClientSampleId :

TR-05-122624

Tgt Ion:244 Resp: 1752072
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.7 8.5
 122 11.6 10.2 15.2

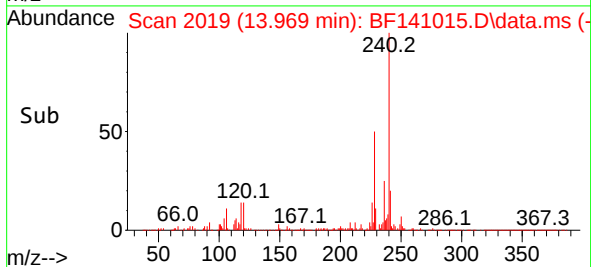
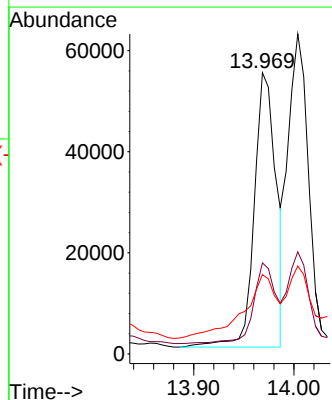
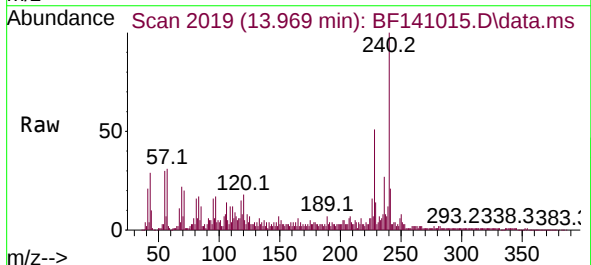
Manual Integrations
 APPROVED

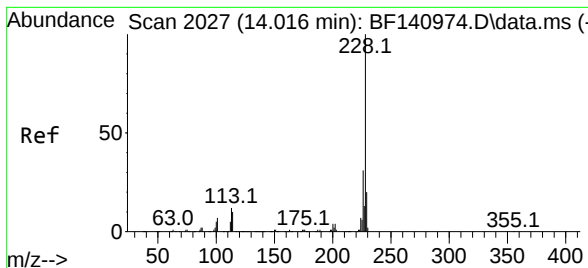
Reviewed By :Yogesh Patel 12/30/2024
 Supervised By :mohammad ahmed 12/30/2024



#81
 Benzo(a)anthracene
 Concen: 3.210 ng
 RT: 13.969 min Scan# 2019
 Delta R.T. -0.006 min
 Lab File: BF141015.D
 Acq: 27 Dec 2024 23:29

Tgt Ion:228 Resp: 82584
 Ion Ratio Lower Upper
 228 100
 226 32.3 22.1 33.1
 229 28.2 16.2 24.2#





#83

Chrysene

Concen: 3.761 ng

RT: 14.004 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF141015.D

Acq: 27 Dec 2024 23:29

Instrument :

BNA_F

ClientSampleId :

TR-05-122624

Tgt Ion:228 Resp: 8721

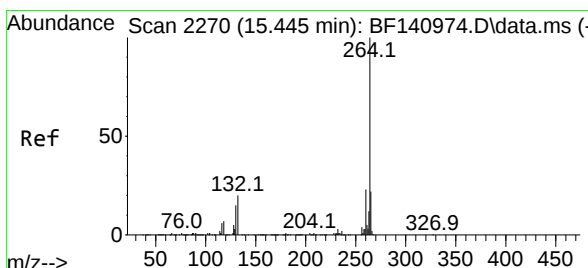
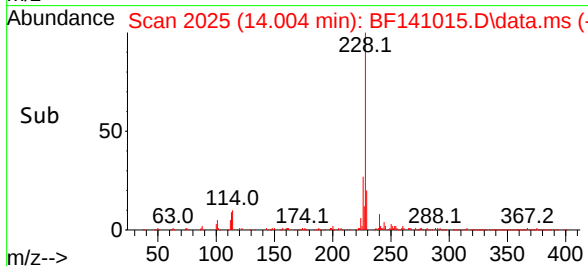
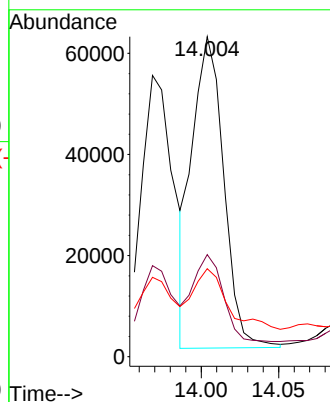
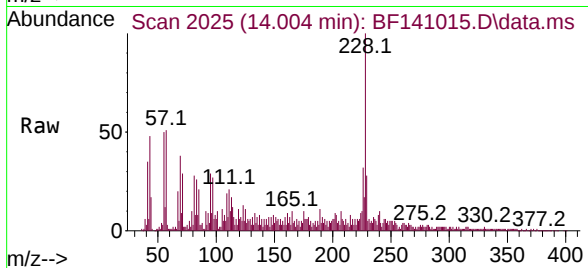
Ion	Ratio	Lower	Upper
228	100		
226	31.9	24.5	36.7
229	27.5	16.2	24.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/30/2024

Supervised By :mohammad ahmed 12/30/2024



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.439 min Scan# 2269

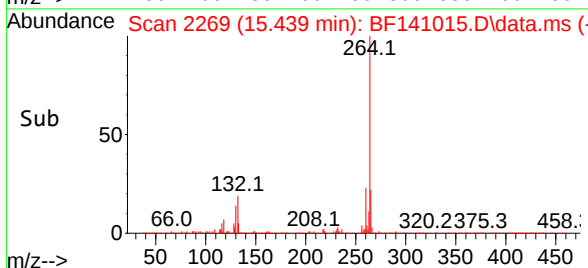
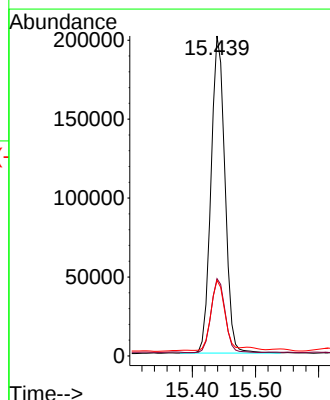
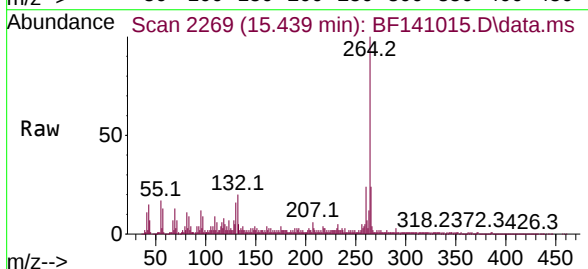
Delta R.T. -0.006 min

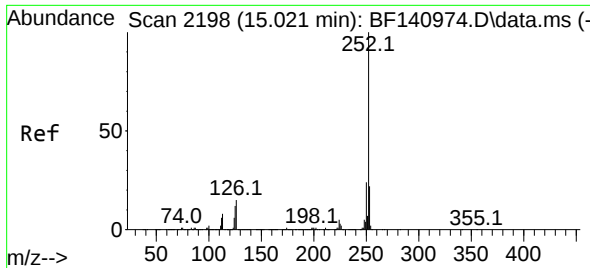
Lab File: BF141015.D

Acq: 27 Dec 2024 23:29

Tgt Ion:264 Resp: 308501

Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.7	28.1
265	23.6	17.4	26.2





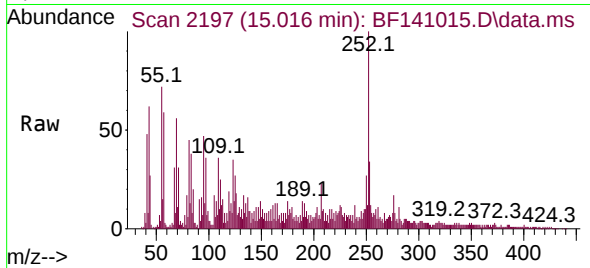
#88
Benzo(b)fluoranthene
Concen: 3.859 ng m
RT: 15.016 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF141015.D
Acq: 27 Dec 2024 23:29

Instrument :

BNA_F

ClientSampleId :

TR-05-122624



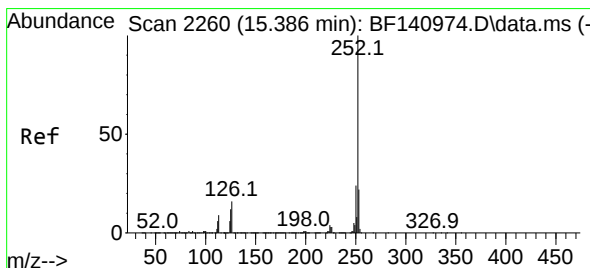
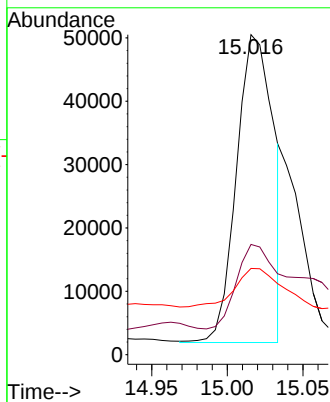
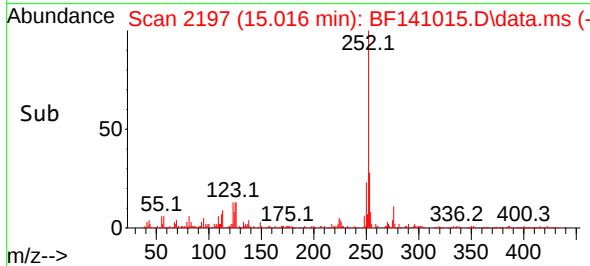
Tgt Ion:252 Resp: 83025
Ion Ratio Lower Upper
252 100
253 34.4 17.7 26.5#
125 26.9 9.3 13.9#

Manual Integrations

APPROVED

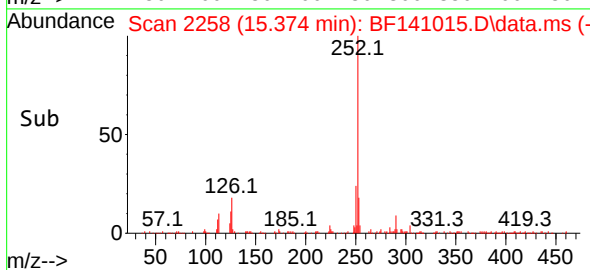
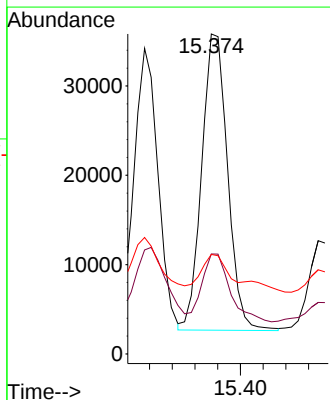
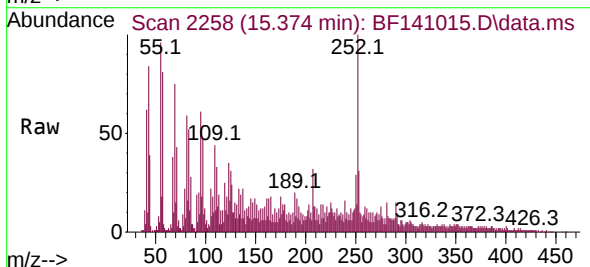
Reviewed By :Yogesh Patel 12/30/2024

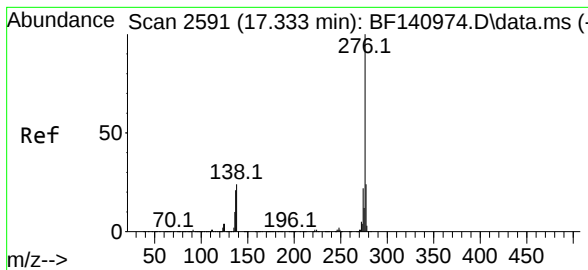
Supervised By :mohammad ahmed 12/30/2024



#90
Benzo(a)pyrene
Concen: 3.149 ng
RT: 15.374 min Scan# 2258
Delta R.T. -0.012 min
Lab File: BF141015.D
Acq: 27 Dec 2024 23:29

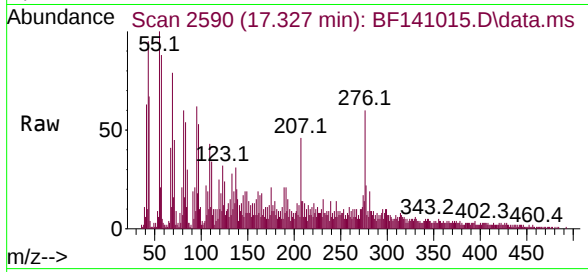
Tgt Ion:252 Resp: 52587
Ion Ratio Lower Upper
252 100
253 31.3 17.2 25.8#
125 31.1 9.8 14.8#





#92
 Benzo(g,h,i)perylene
 Concen: 2.061 ng
 RT: 17.327 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF141015.D
 Acq: 27 Dec 2024 23:29

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-122624



Tgt Ion:	276	Resp:	3368
Ion Ratio	Lower	Upper	
276	100		
277	36.0	19.0	28.4
138	33.8	19.4	29.2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/30/2024
 Supervised By :mohammad ahmed 12/30/2024

