

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022023\
 Data File : BF132477.D
 Acq On : 20 Feb 2023 13:40
 Operator : CG\JU
 Sample : 01586-05RE
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-3RE

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 02/21/2023
 Supervised By : Jagrut Upadhyay 02/21/2023

Quant Time: Feb 21 01:02:00 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 20 13:34:28 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.025	152	237204	20.000	ng	0.00
21) Naphthalene-d8	8.313	136	844294	20.000	ng	0.00
39) Acenaphthene-d10	10.072	164	421379	20.000	ng	0.00
64) Phenanthrene-d10	11.572	188	629126	20.000	ng	0.00
76) Chrysene-d12	14.230	240	387023	20.000	ng	0.00
86) Perylene-d12	15.795	264	304474	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.643	112	142378	9.618	ng	0.00
7) Phenol-d6	6.642	99	935298	48.387	ng	0.00
23) Nitrobenzene-d5	7.584	82	892626	50.800	ng	-0.01
42) 2,4,6-Tribromophenol	10.866	330	6579	1.565	ng	0.00
45) 2-Fluorobiphenyl	9.389	172	1419224	52.013	ng	0.00
79) Terphenyl-d14	13.160	244	1094914	51.523	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.595	178	219548	6.776	ng	99
75) Fluoranthene	12.789	202	328166	9.081	ng	99
78) Pyrene	13.024	202	284135	8.642	ng	99
81) Benzo(a)anthracene	14.218	228	149912	5.289	ng	99
83) Chrysene	14.254	228	141019	5.207	ng	96
87) Indeno(1,2,3-cd)pyrene	17.406	276	41643	2.140	ng	97
88) Benzo(b)fluoranthene	15.324	252	136568m	6.821	ng	
89) Benzo(k)fluoranthene	15.348	252	44137m	2.203	ng	
90) Benzo(a)pyrene	15.724	252	84476	4.540	ng	# 92
92) Benzo(g,h,i)perylene	17.895	276	40806	2.479	ng	98

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

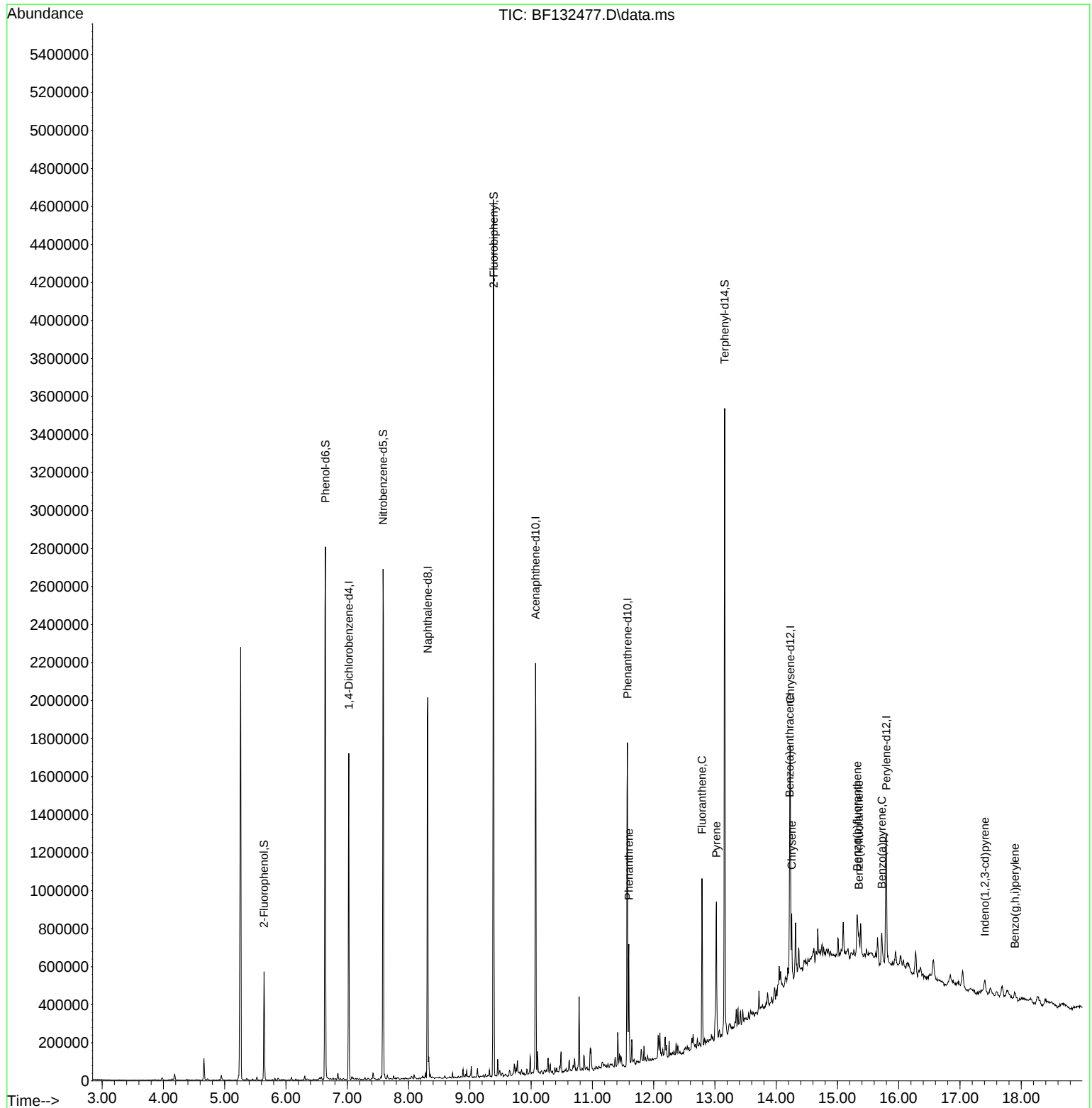
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022023\
Data File : BF132477.D
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ALS Vial : 7 Sample Multiplier: 1

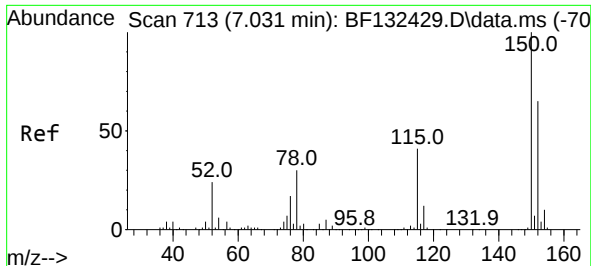
Instrument :
BNA_F
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Quant Time: Feb 21 01:02:00 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021623.M
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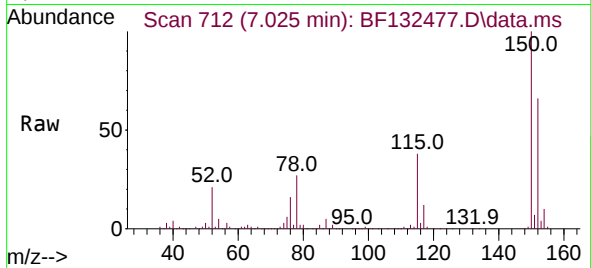
Reviewed By : Christian Giraldo 02/21/2023
Supervised By : Jagrut Upadhyay 02/21/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.025 min Scan# 713
Delta R.T. -0.000 min
Lab File: BF132477.D
Acq: 20 Feb 2023 13:40

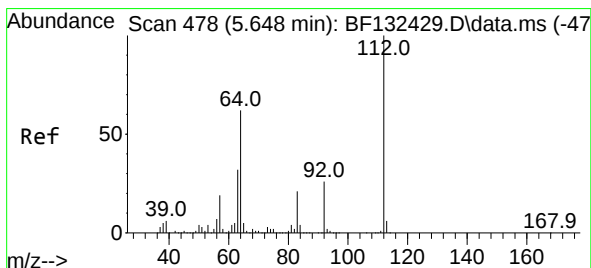
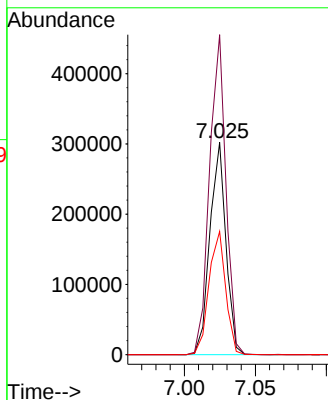
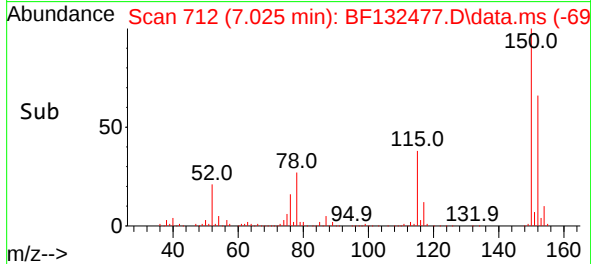
Instrument :
BNA_F
ClientSampleId :
COMP-3RE



Tgt Ion:152 Resp: 237204
Ion Ratio Lower Upper
152 100
150 150.7 123.8 185.8
115 58.0 50.4 75.6

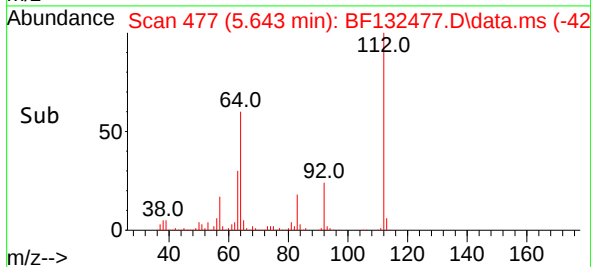
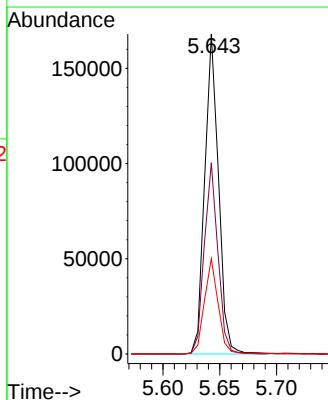
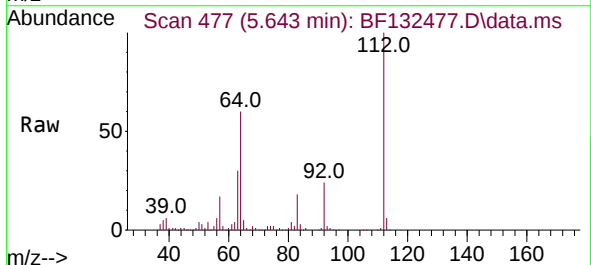
Manual Integrations
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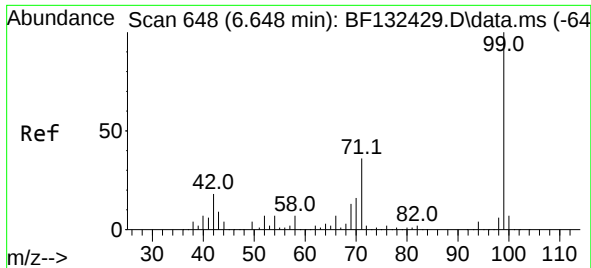
Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023



#5
2-Fluorophenol
Concen: 9.618 ng
RT: 5.643 min Scan# 477
Delta R.T. 0.000 min
Lab File: BF132477.D
Acq: 20 Feb 2023 13:40

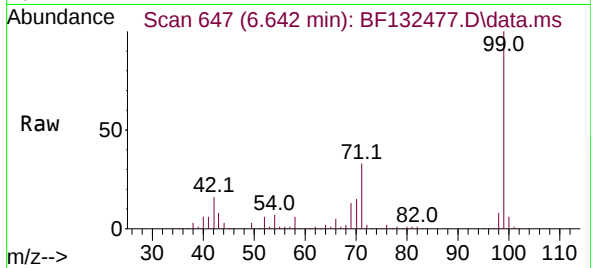
Tgt Ion:112 Resp: 142378
Ion Ratio Lower Upper
112 100
64 59.7 49.7 74.5
63 29.8 25.8 38.8





#7
Phenol-d6
Concen: 48.387 ng
RT: 6.642 min Scan# 648
Delta R.T. -0.006 min
Lab File: BF132477.D
Acq: 20 Feb 2023 13:40

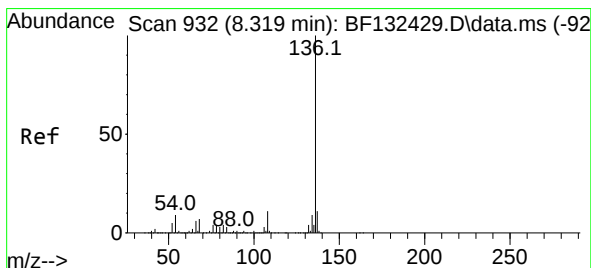
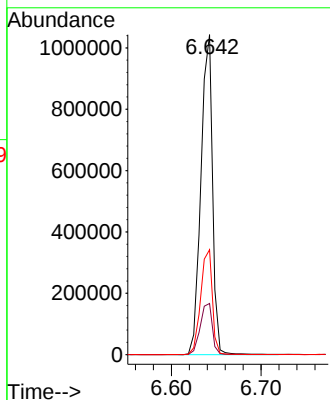
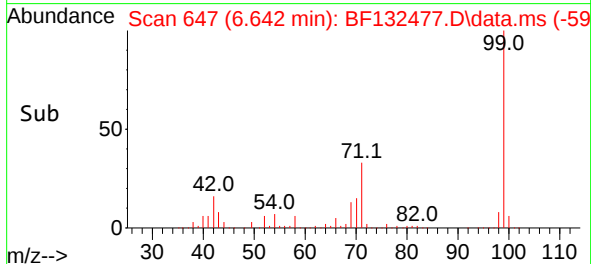
Instrument :
BNA_F
ClientSampleId :
COMP-3RE



Tgt Ion: 99 Resp: 935298
Ion Ratio Lower Upper
99 100
42 16.0 14.6 21.8
71 32.8 28.7 43.1

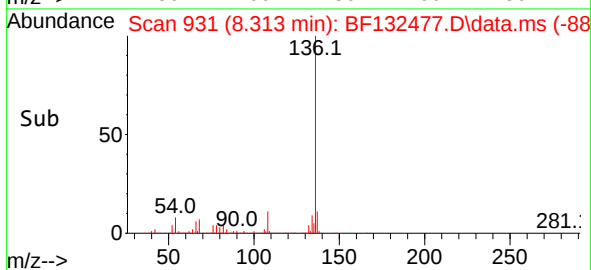
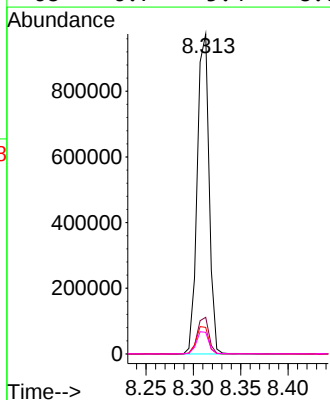
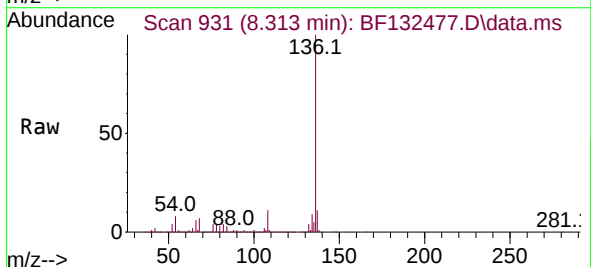
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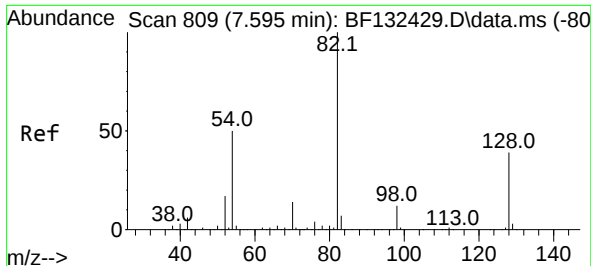
Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.313 min Scan# 931
Delta R.T. 0.000 min
Lab File: BF132477.D
Acq: 20 Feb 2023 13:40

Tgt Ion:136 Resp: 844294
Ion Ratio Lower Upper
136 100
137 11.4 8.8 13.2
54 8.3 6.9 10.3
68 6.7 5.4 8.0





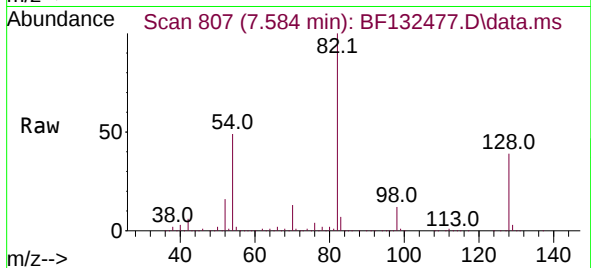
#23
Nitrobenzene-d5
Concen: 50.800 ng
RT: 7.584 min Scan# 809
Delta R.T. -0.012 min
Lab File: BF132477.D
Acq: 20 Feb 2023 13:40

Instrument :

BNA_F

ClientSampleId :

COMP-3RE

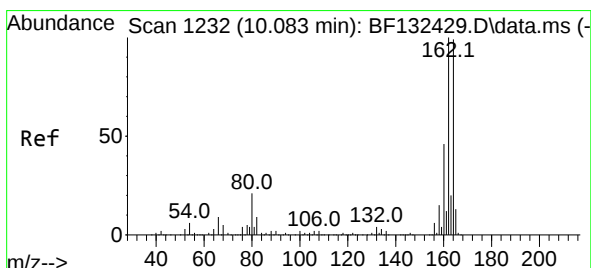
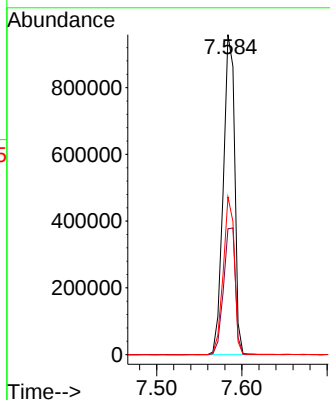
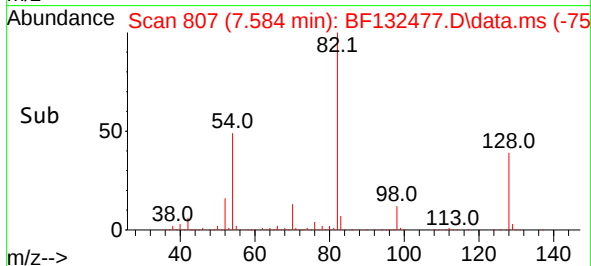


Tgt Ion: 82 Resp: 892626
Ion Ratio Lower Upper
82 100
128 39.3 30.8 46.2
54 49.3 40.2 60.4

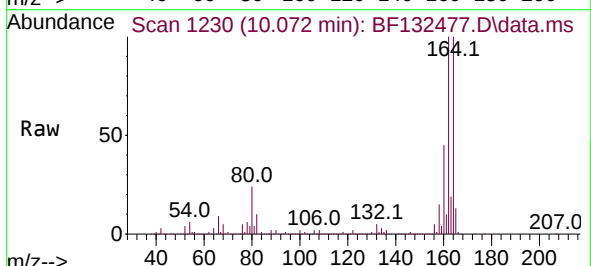
Manual Integrations

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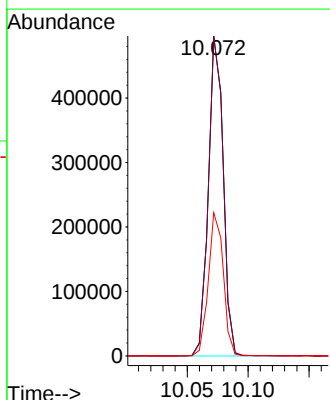
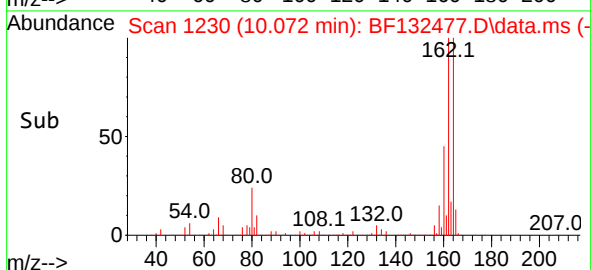
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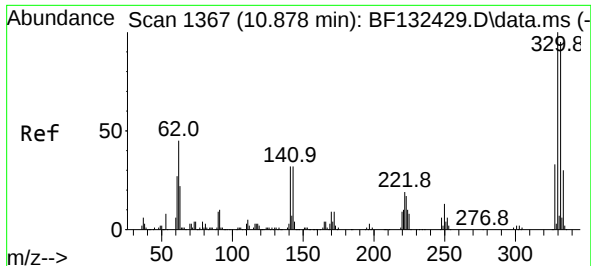


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.072 min Scan# 1230
Delta R.T. -0.006 min
Lab File: BF132477.D
Acq: 20 Feb 2023 13:40



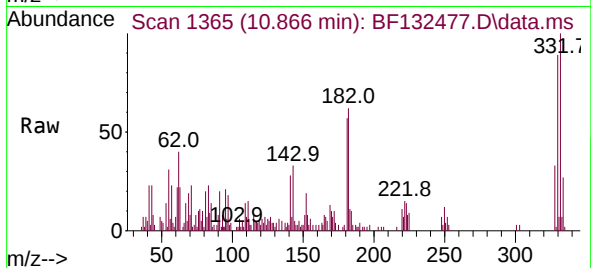
Tgt Ion:164 Resp: 421379
Ion Ratio Lower Upper
164 100
162 100.2 80.8 121.2
160 44.8 37.2 55.8





#42
2,4,6-Tribromophenol
Concen: 1.565 ng
RT: 10.866 min Scan# 1365
Delta R.T. -0.006 min
Lab File: BF132477.D
Acq: 20 Feb 2023 13:40

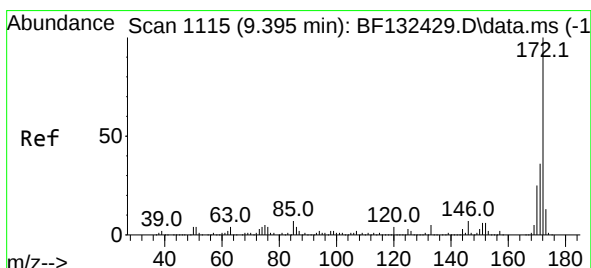
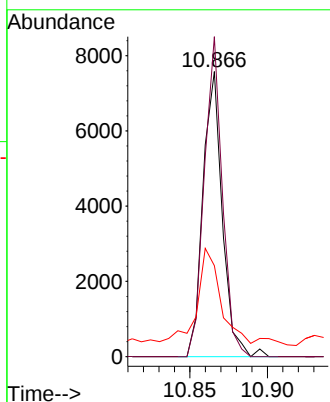
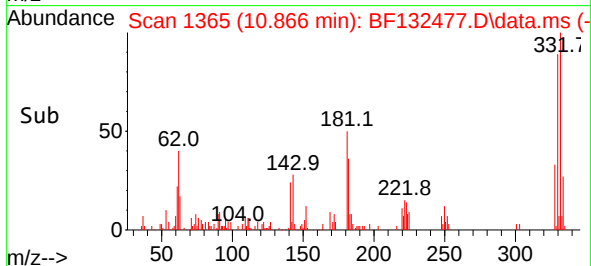
Instrument :
BNA_F
ClientSampleId :
COMP-3RE



Tgt Ion: 330 Resp: 6579
Ion Ratio Lower Upper
330 100
332 104.7 76.3 114.5
141 46.1 30.3 45.5

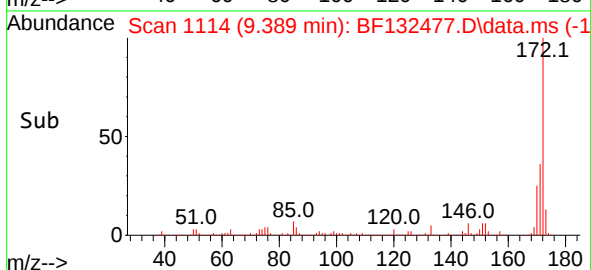
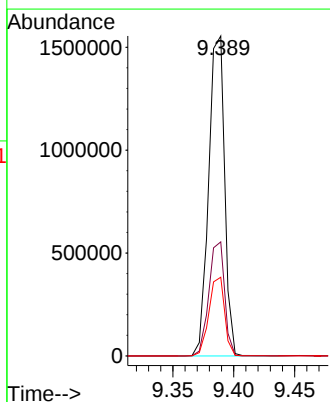
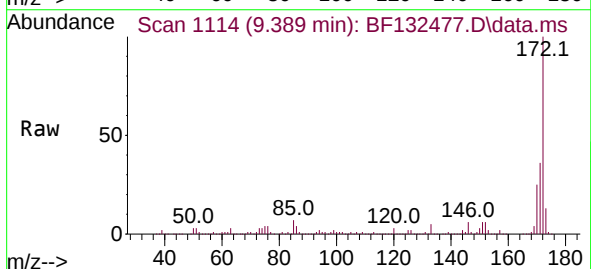
Manual Integrations
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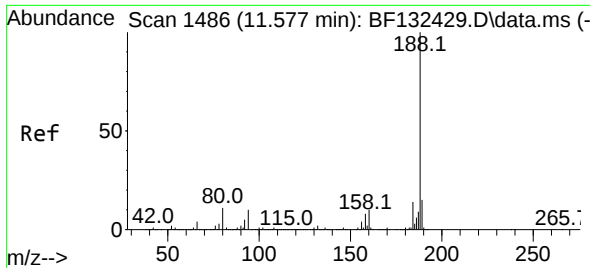
Reviewed By : Christian Giraldo 02/21/2023
Supervised By : Jagrut Upadhyay 02/21/2023



#45
2-Fluorobiphenyl
Concen: 52.013 ng
RT: 9.389 min Scan# 1114
Delta R.T. 0.000 min
Lab File: BF132477.D
Acq: 20 Feb 2023 13:40

Tgt Ion: 172 Resp: 1419224
Ion Ratio Lower Upper
172 100
171 35.6 28.6 42.8
170 24.6 19.9 29.9





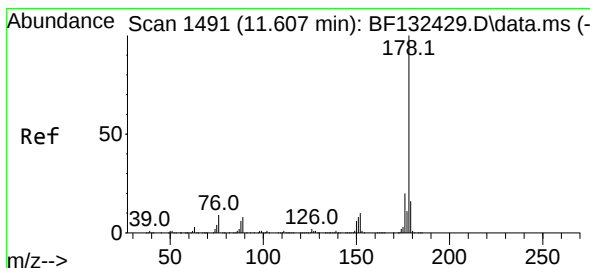
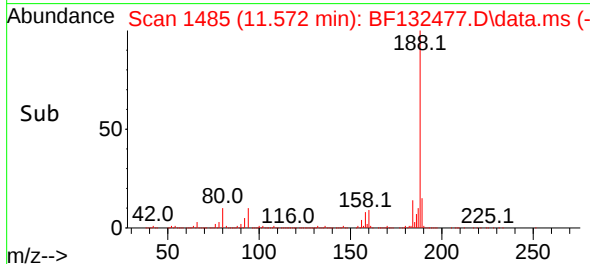
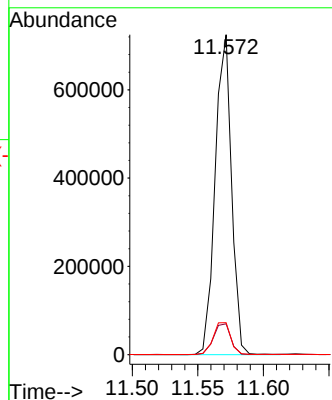
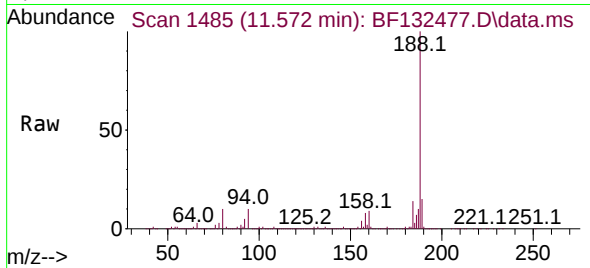
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.572 min Scan# 1486
Delta R.T. 0.000 min
Lab File: BF132477.D
Acq: 20 Feb 2023 13:40

Instrument :
BNA_F
ClientSampleId :
COMP-3RE

Tgt Ion:188 Resp: 629126
Ion Ratio Lower Upper
188 100
94 9.6 8.0 12.0
80 10.0 8.6 12.8

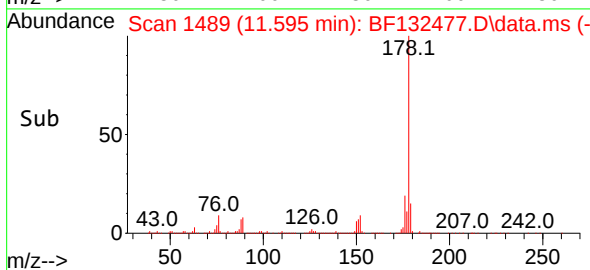
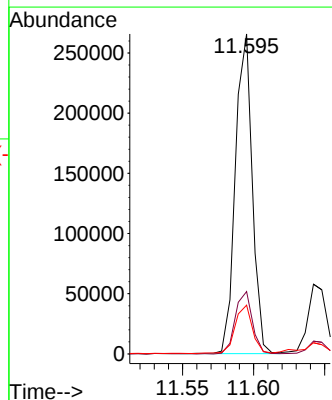
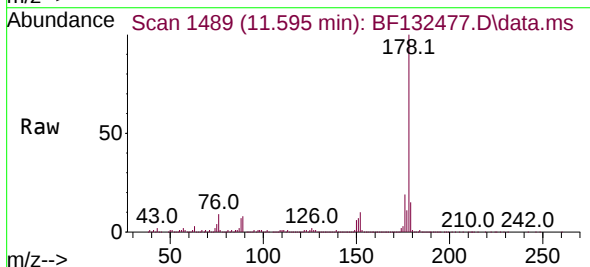
Manual Integrations
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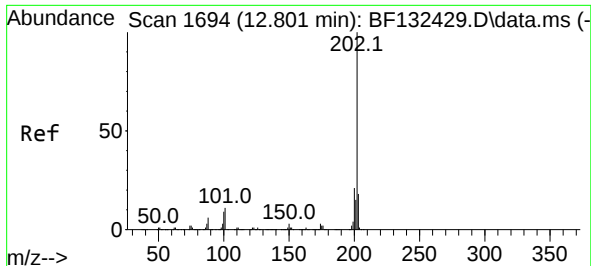
Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023



#71
Phenanthrene
Concen: 6.776 ng
RT: 11.595 min Scan# 1489
Delta R.T. 0.000 min
Lab File: BF132477.D
Acq: 20 Feb 2023 13:40

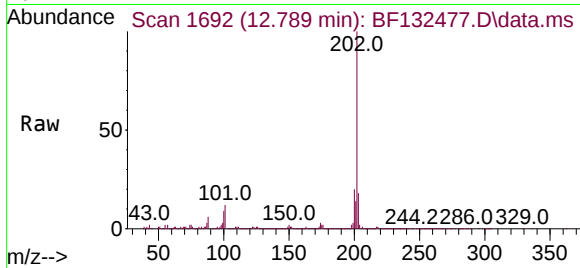
Tgt Ion:178 Resp: 219548
Ion Ratio Lower Upper
178 100
176 19.5 16.2 24.2
179 15.2 12.6 18.8





#75
Fluoranthene
Concen: 9.081 ng
RT: 12.789 min Scan# 1692
Delta R.T. -0.006 min
Lab File: BF132477.D
Acq: 20 Feb 2023 13:40

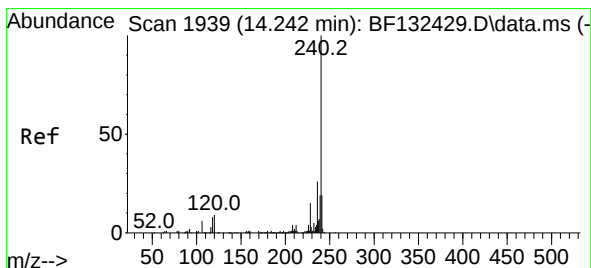
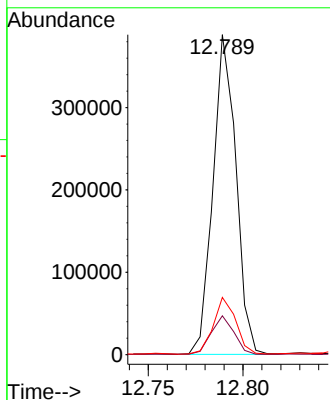
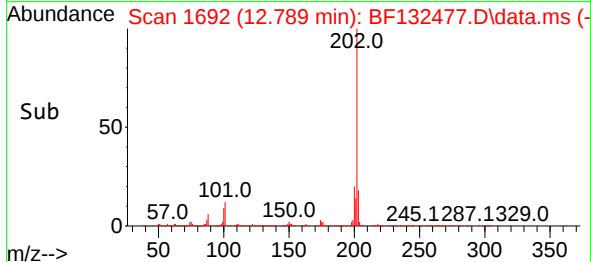
Instrument :
BNA_F
ClientSampleId :
COMP-3RE



Tgt Ion:202 Resp: 328166
Ion Ratio Lower Upper
202 100
101 12.1 0.0 31.3
203 17.9 0.0 37.8

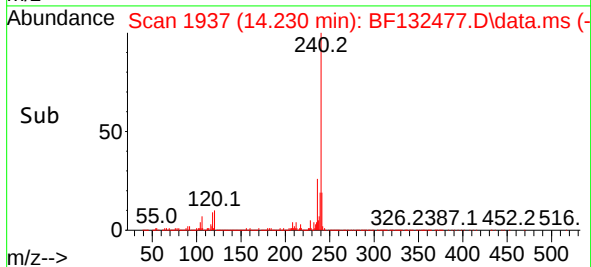
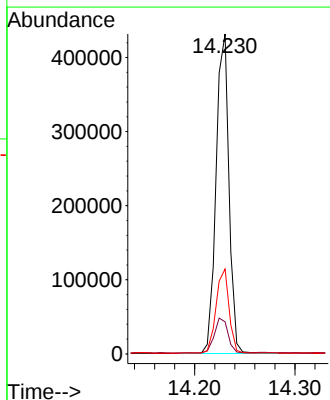
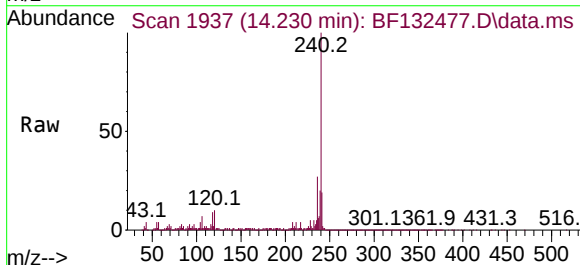
Manual Integrations
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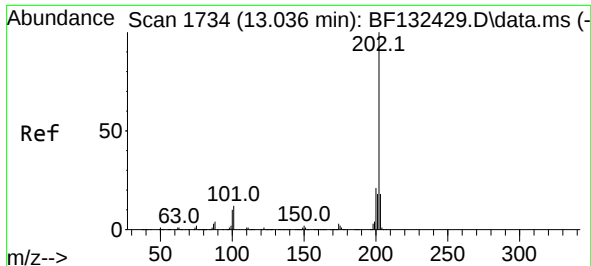
Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.230 min Scan# 1937
Delta R.T. 0.000 min
Lab File: BF132477.D
Acq: 20 Feb 2023 13:40

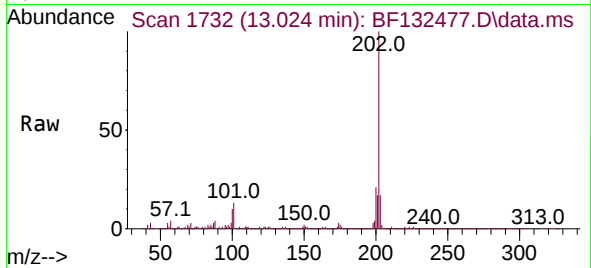
Tgt Ion:240 Resp: 387023
Ion Ratio Lower Upper
240 100
120 10.0 7.5 11.3
236 26.5 21.0 31.6





#78
 Pyrene
 Concen: 8.642 ng
 RT: 13.024 min Scan# 1734
 Delta R.T. 0.000 min
 Lab File: BF132477.D
 Acq: 20 Feb 2023 13:40

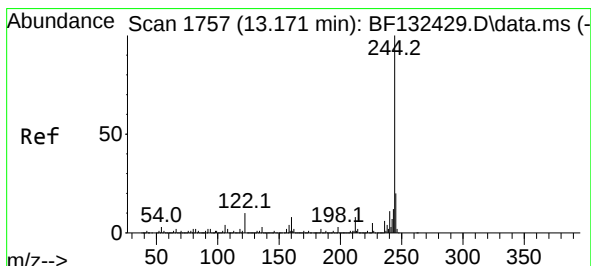
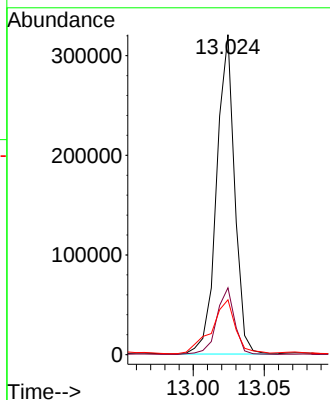
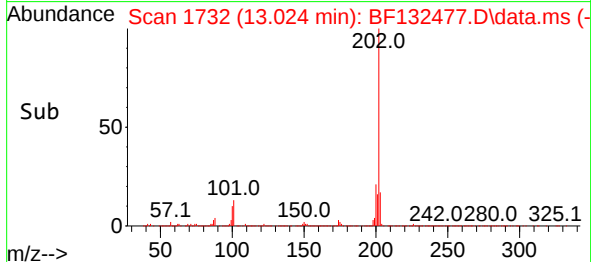
Instrument :
 BNA_F
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 COMP-3RE



Tgt Ion:202 Resp: 284135
 Ion Ratio Lower Upper
 202 100
 200 20.9 16.6 25.0
 203 17.1 14.3 21.5

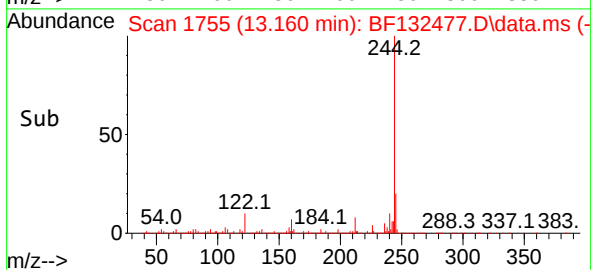
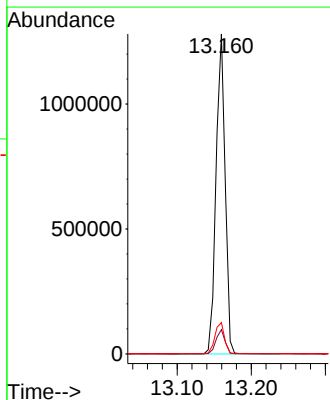
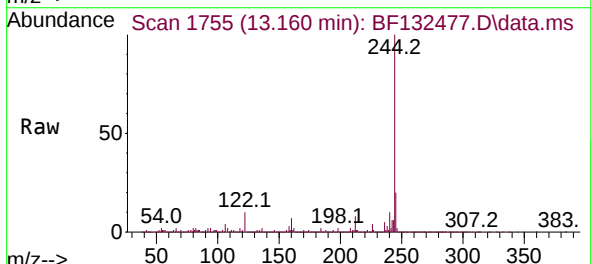
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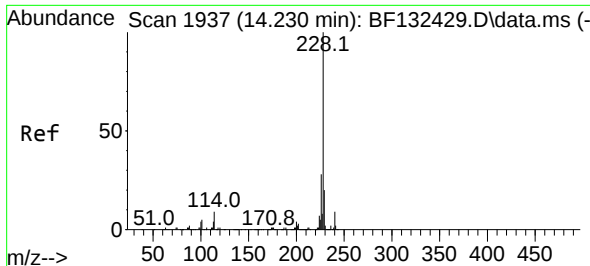
Reviewed By :Christian Giraldo 02/21/2023
 Supervised By :Jagrut Upadhyay 02/21/2023



#79
 Terphenyl-d14
 Concen: 51.523 ng
 RT: 13.160 min Scan# 1755
 Delta R.T. 0.000 min
 Lab File: BF132477.D
 Acq: 20 Feb 2023 13:40

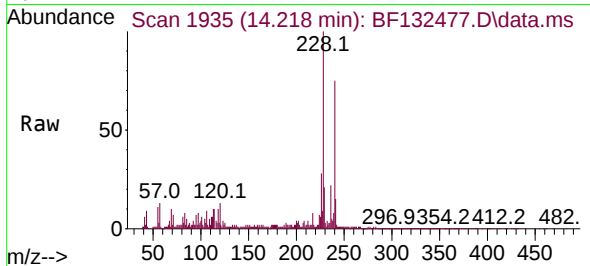
Tgt Ion:244 Resp: 1094914
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.7 10.1
 122 9.8 7.7 11.5





#81
Benzo(a)anthracene
Concen: 5.289 ng
RT: 14.218 min Scan# 1935
Delta R.T. 0.000 min
Lab File: BF132477.D
Acq: 20 Feb 2023 13:40

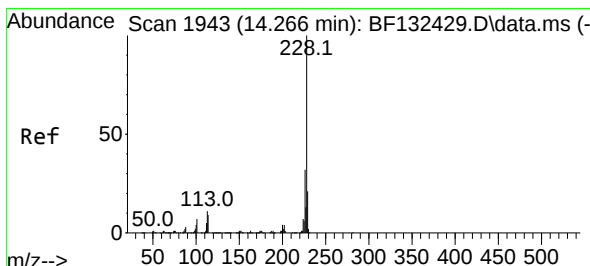
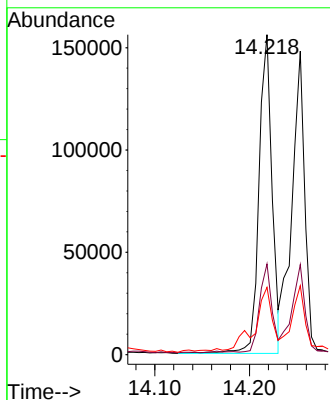
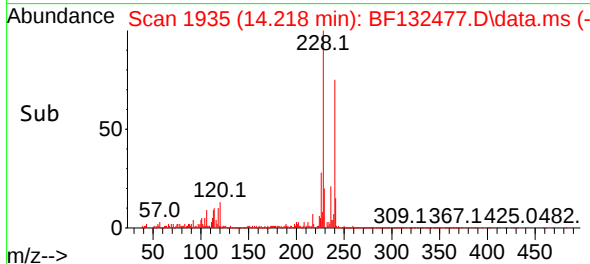
Instrument :
BNA_F
ClientSampleId :
COMP-3RE



Tgt Ion:228 Resp: 149912
Ion Ratio Lower Upper
228 100
226 28.3 22.6 34.0
229 21.0 16.2 24.4

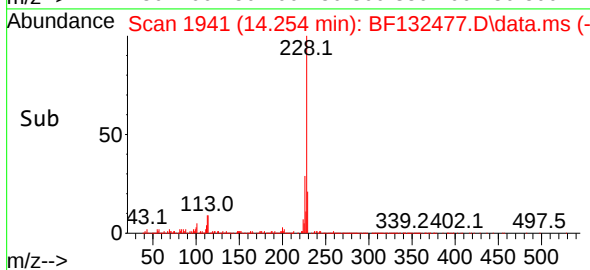
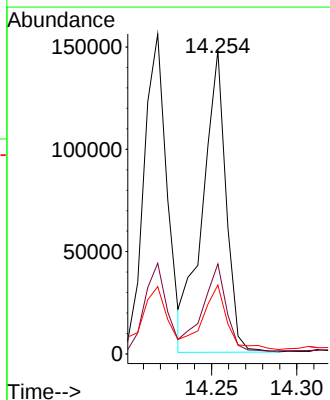
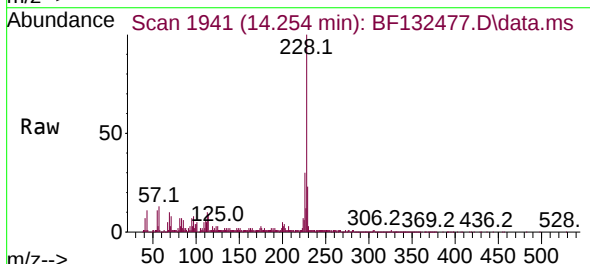
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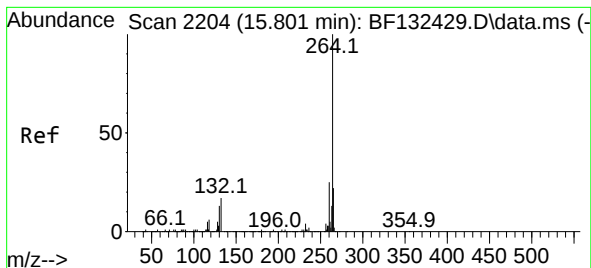
Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023



#83
Chrysene
Concen: 5.207 ng
RT: 14.254 min Scan# 1941
Delta R.T. -0.006 min
Lab File: BF132477.D
Acq: 20 Feb 2023 13:40

Tgt Ion:228 Resp: 141019
Ion Ratio Lower Upper
228 100
226 29.7 25.4 38.2
229 22.7 16.6 25.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.795 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF132477.D

Acq: 20 Feb 2023 13:40

Instrument :

BNA_F

ClientSampleId :

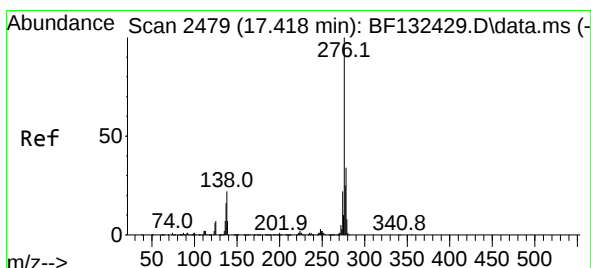
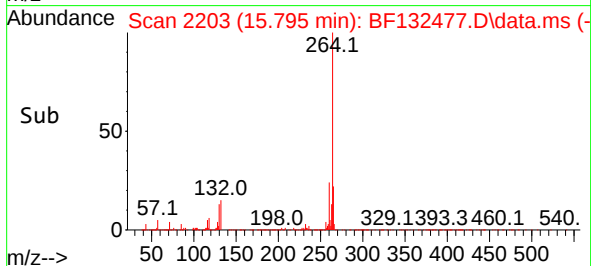
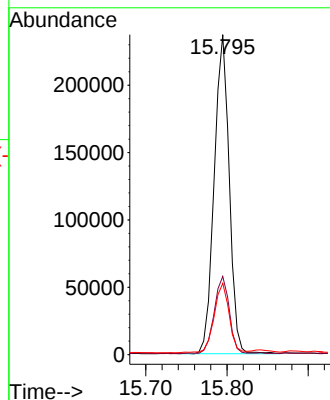
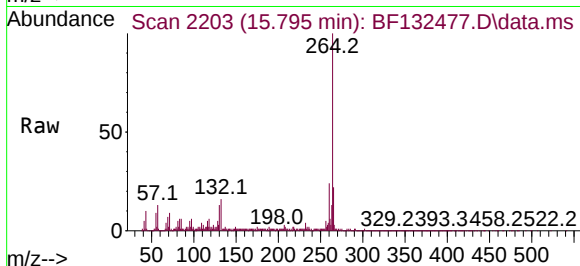
COMP-3RE

Tgt Ion:264	Resp:	304474
Ion Ratio	Lower	Upper
264	100	
260	24.4	20.0 30.0
265	22.3	17.2 25.8

Manual Integrations

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Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.140 ng

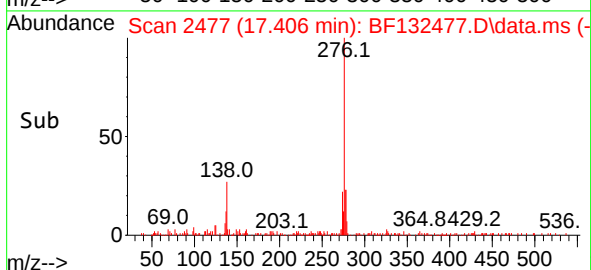
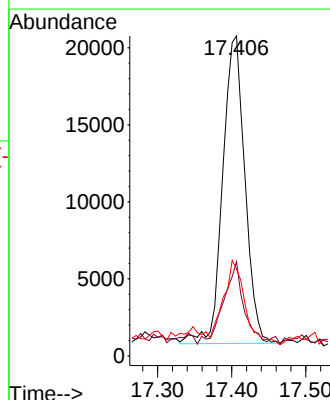
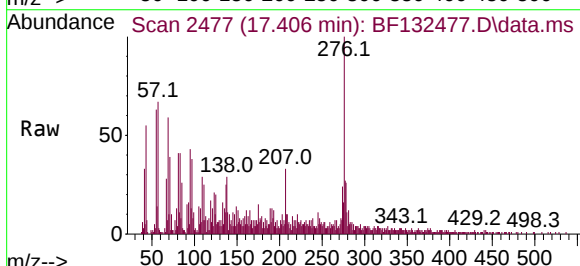
RT: 17.406 min Scan# 2477

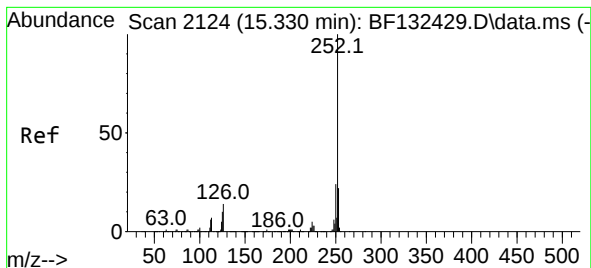
Delta R.T. 0.006 min

Lab File: BF132477.D

Acq: 20 Feb 2023 13:40

Tgt Ion:276	Resp:	41643
Ion Ratio	Lower	Upper
276	100	
138	24.3	20.2 30.4
277	26.6	20.0 30.0





#88

Benzo(b)fluoranthene

Concen: 6.821 ng m

RT: 15.324 min Scan# 2112

Delta R.T. 0.006 min

Lab File: BF132477.D

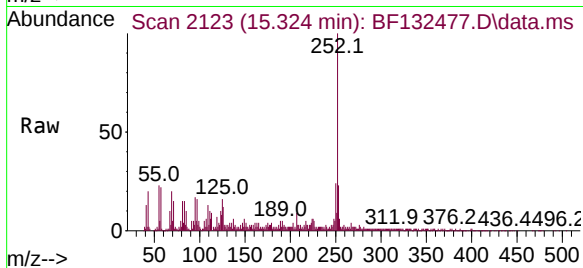
Acq: 20 Feb 2023 13:40

Instrument :

BNA_F

ClientSampleId :

COMP-3RE



Tgt Ion:252 Resp: 136568

Ion Ratio Lower Upper

252 100

253 23.3 17.8 26.8

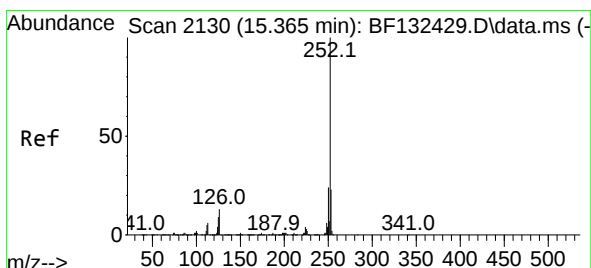
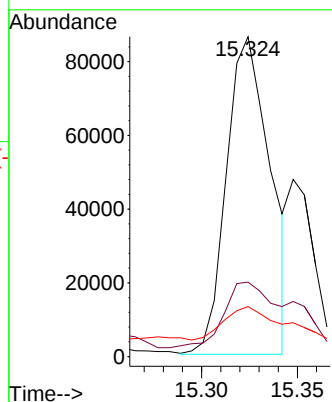
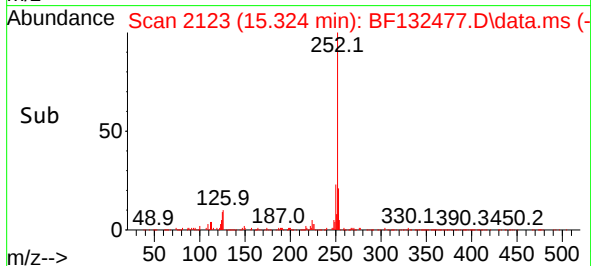
125 15.6 7.6 11.4

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Reviewed By :Christian Giraldo 02/21/2023

Supervised By :Jagrut Upadhyay 02/21/2023



#89

Benzo(k)fluoranthene

Concen: 2.203 ng m

RT: 15.348 min Scan# 2127

Delta R.T. -0.006 min

Lab File: BF132477.D

Acq: 20 Feb 2023 13:40

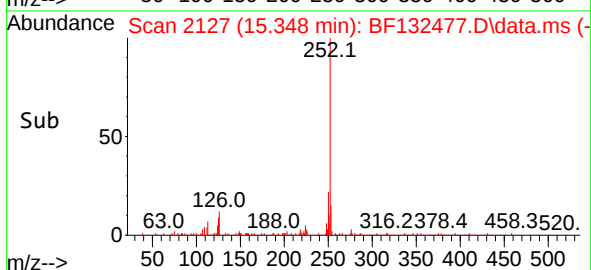
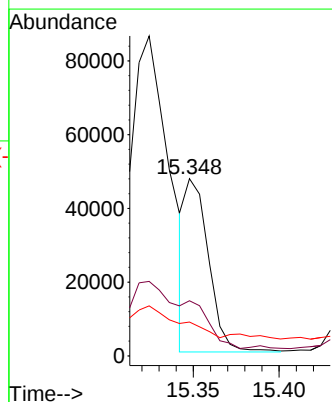
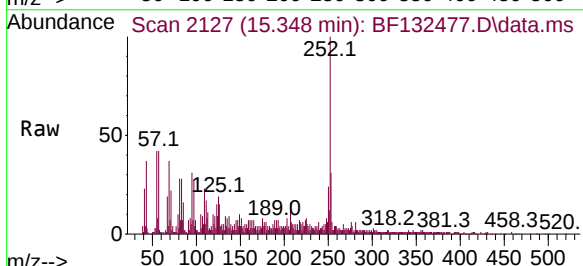
Tgt Ion:252 Resp: 44137

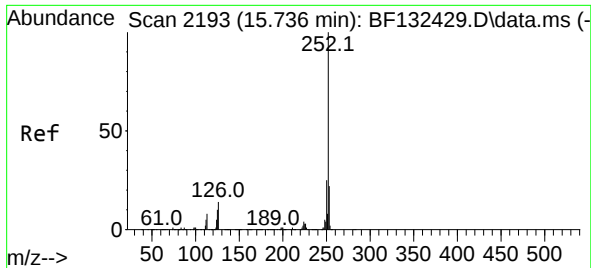
Ion Ratio Lower Upper

252 100

253 31.1 18.2 27.2#

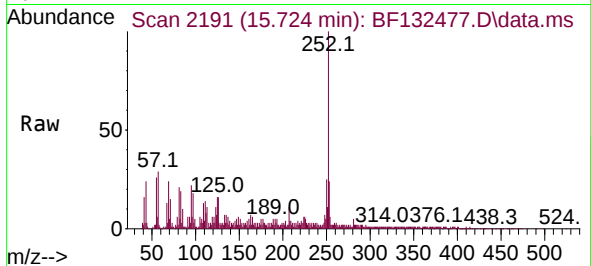
125 19.1 7.5 11.3#





#90
Benzo(a)pyrene
Concen: 4.540 ng
RT: 15.724 min Scan# 2193
Delta R.T. 0.006 min
Lab File: BF132477.D
Acq: 20 Feb 2023 13:40

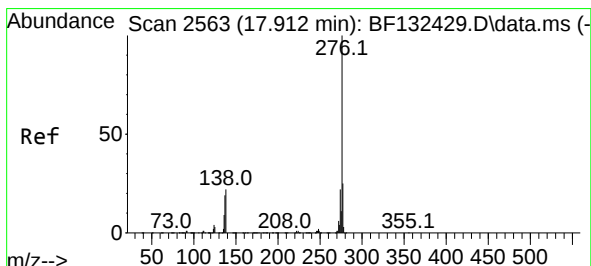
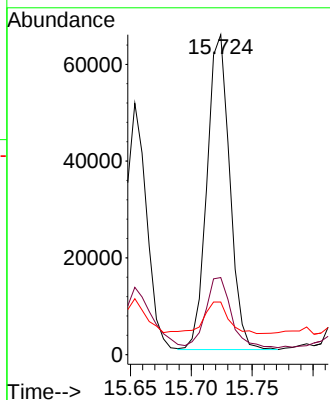
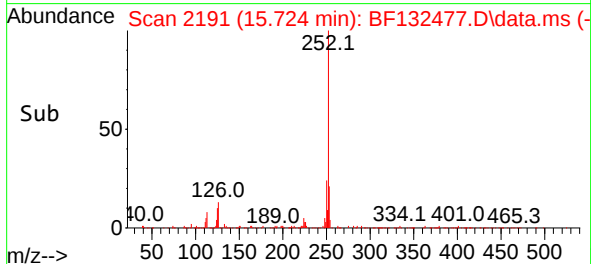
Instrument :
BNA_F
ClientSampleId :
COMP-3RE



Tgt Ion:252 Resp: 84476
Ion Ratio Lower Upper
252 100
253 24.1 17.6 26.4
125 16.4 8.2 12.4

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Reviewed By :Christian Giraldo 02/21/2023
Supervised By :Jagrut Upadhyay 02/21/2023



#92
Benzo(g,h,i)perylene
Concen: 2.479 ng
RT: 17.895 min Scan# 2560
Delta R.T. 0.000 min
Lab File: BF132477.D
Acq: 20 Feb 2023 13:40

Tgt Ion:276 Resp: 40806
Ion Ratio Lower Upper
276 100
277 25.1 19.6 29.4
138 23.1 17.7 26.5

