

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042023\
 Data File : BF132937.D
 Acq On : 20 Apr 2023 14:14
 Operator : CG\JU
 Sample : 02404-01 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-2-041823

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 04/21/2023
 Supervised By :Jagrut Upadhyay 04/21/2023

Quant Time: Apr 21 02:08:44 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF041723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 20 14:15:37 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.757	152	292841	20.000	ng	0.00
21) Naphthalene-d8	8.039	136	1143714	20.000	ng	0.00
39) Acenaphthene-d10	9.792	164	540151	20.000	ng	0.00
64) Phenanthrene-d10	11.274	188	841210	20.000	ng	0.00
76) Chrysene-d12	13.915	240	595265	20.000	ng	0.00
86) Perylene-d12	15.345	264	519040	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.351	112	399914	21.354	ng	0.00
7) Phenol-d6	6.375	99	512833	21.460	ng	-0.02
23) Nitrobenzene-d5	7.316	82	304572	13.881	ng	-0.01
42) 2,4,6-Tribromophenol	10.580	330	94026	17.355	ng	0.00
45) 2-Fluorobiphenyl	9.116	172	550713	15.663	ng	0.00
79) Terphenyl-d14	12.863	244	466696	13.376	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.298	178	96600	2.135	ng	99
75) Fluoranthene	12.486	202	120761	2.684	ng	98
78) Pyrene	12.716	202	116836	2.400	ng	95
88) Benzo(b)fluoranthene	14.933	252	66653m	2.062	ng	

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

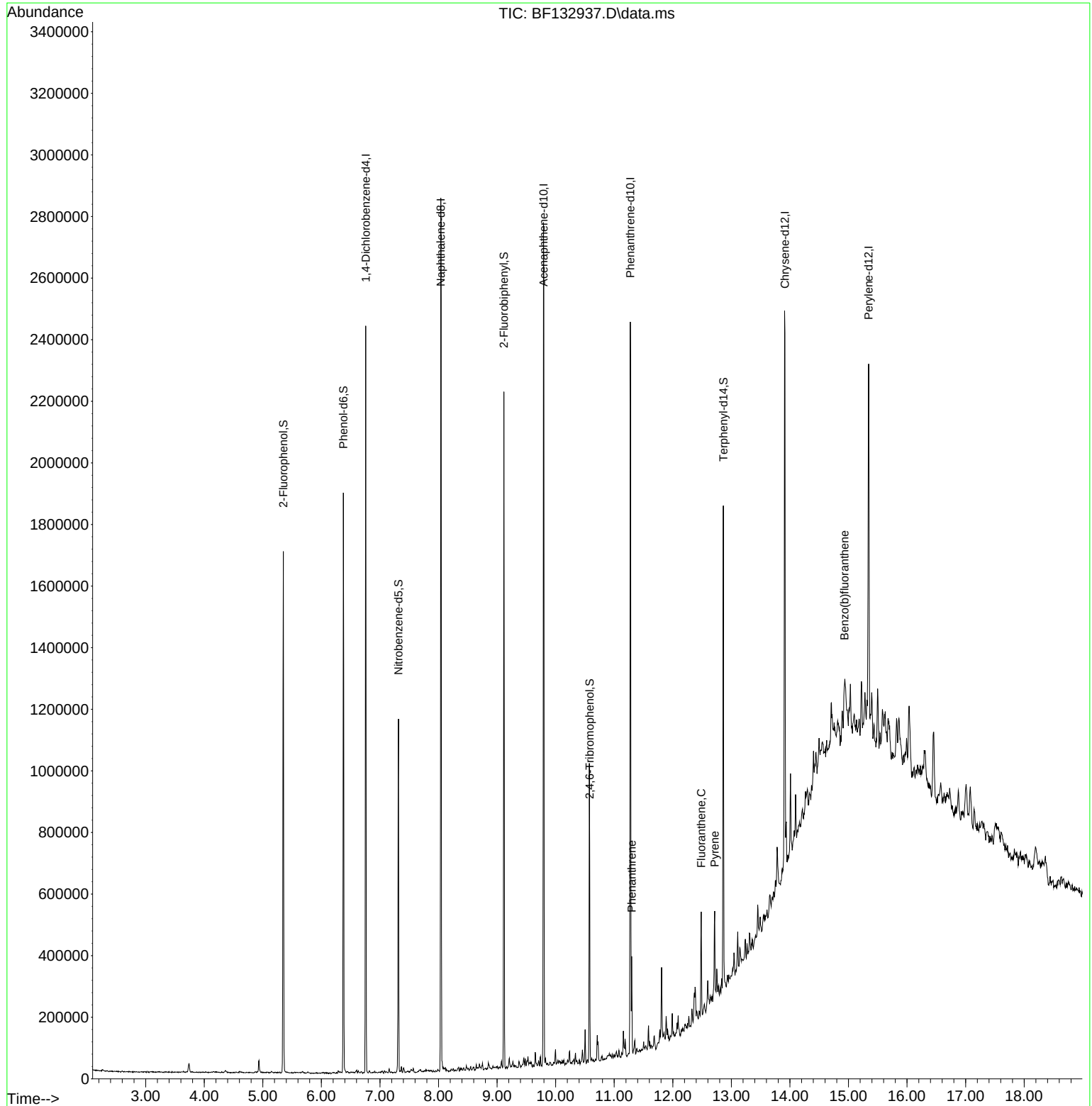
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042023\
Data File : BF132937.D
Acq On : 20 Apr 2023 14:14
Operator : CG\JU
Sample : 02404-01 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

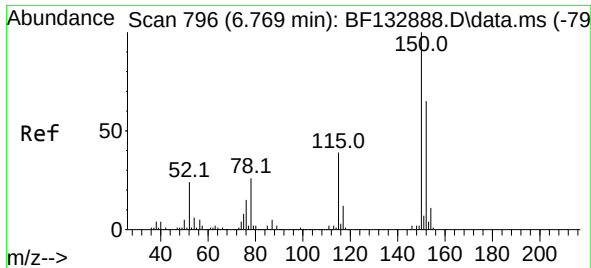
Instrument :
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ClientSampleId :
OK-2-041823

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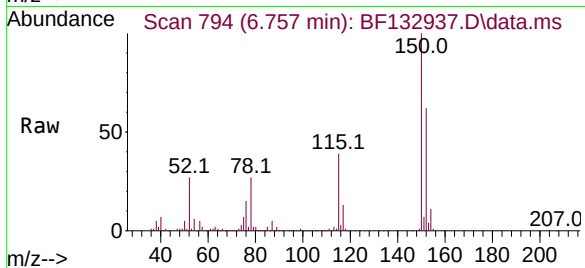
Quant Time: Apr 21 02:08:44 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF041723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 20 14:15:37 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.757 min Scan# 796
Delta R.T. 0.000 min
Lab File: BF132937.D
Acq: 20 Apr 2023 14:14

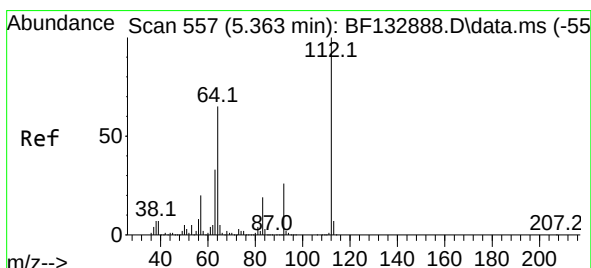
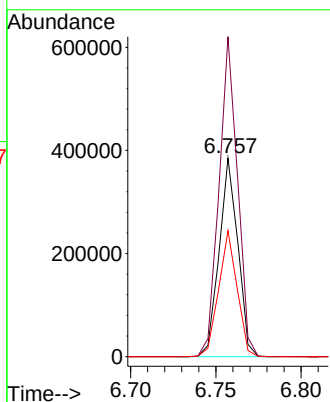
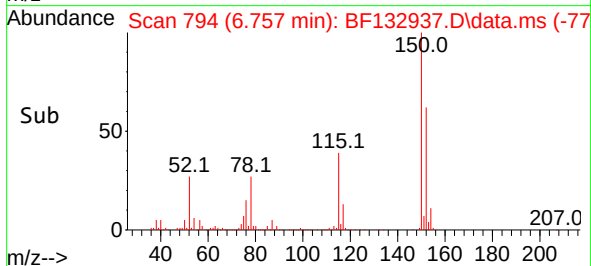
Instrument :
BNA_F
ClientSampleId :
OK-2-041823



Tgt Ion:152 Resp: 29284
Ion Ratio Lower Upper
152 100
150 161.2 122.8 184.2
115 63.4 47.3 70.9

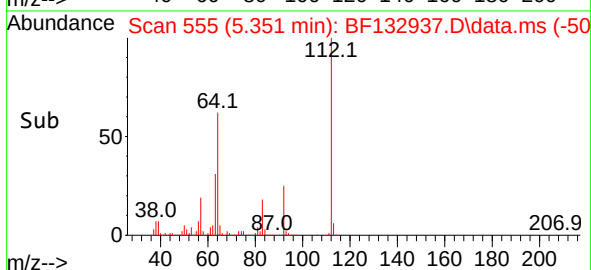
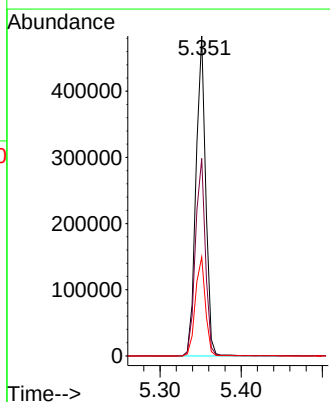
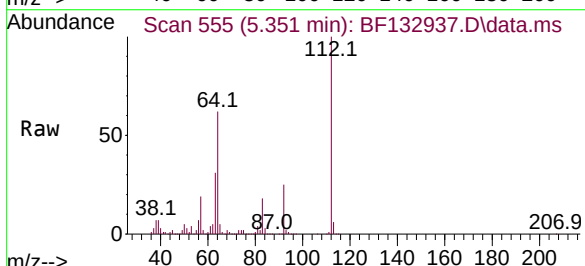
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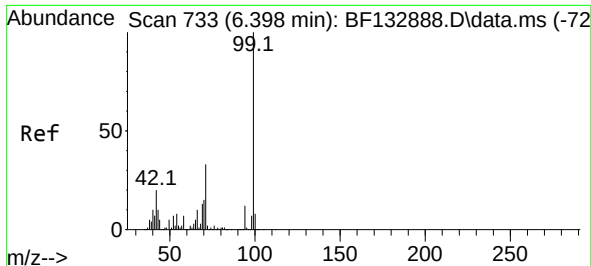
Reviewed By :Christian Giraldo 04/21/2023
Supervised By :Jagrut Upadhyay 04/21/2023



#5
2-Fluorophenol
Concen: 21.354 ng
RT: 5.351 min Scan# 555
Delta R.T. -0.006 min
Lab File: BF132937.D
Acq: 20 Apr 2023 14:14

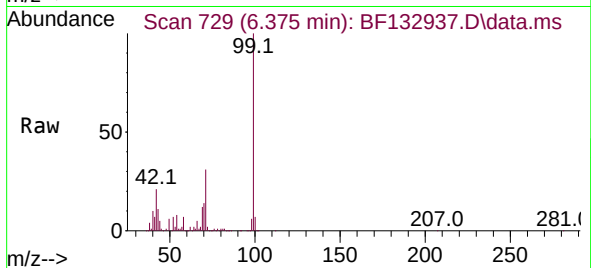
Tgt Ion:112 Resp: 399914
Ion Ratio Lower Upper
112 100
64 61.7 51.8 77.8
63 30.9 26.3 39.5





#7
Phenol-d6
Concen: 21.460 ng
RT: 6.375 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF132937.D
Acq: 20 Apr 2023 14:14

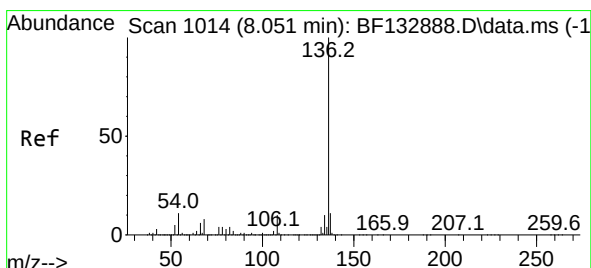
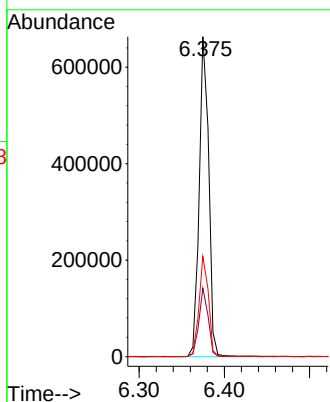
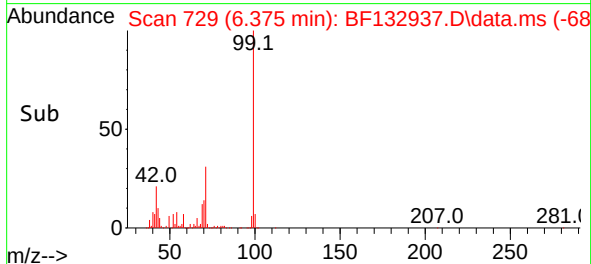
Instrument :
BNA_F
ClientSampleId :
OK-2-041823



Tgt Ion: 99 Resp: 512833
Ion Ratio Lower Upper
99 100
42 21.4 16.1 24.1
71 31.3 26.1 39.1

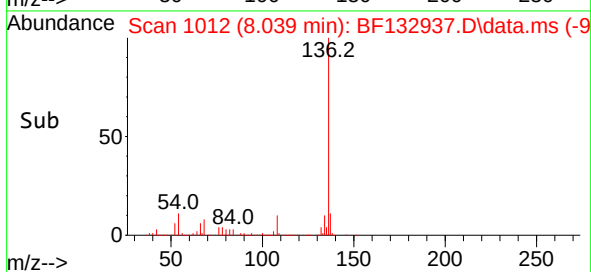
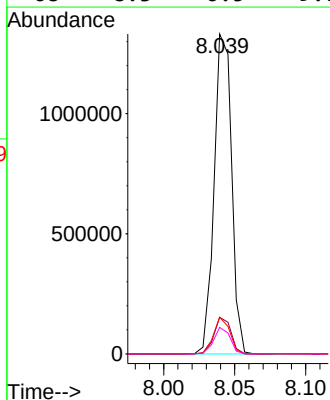
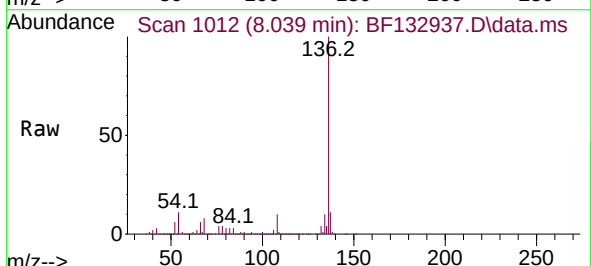
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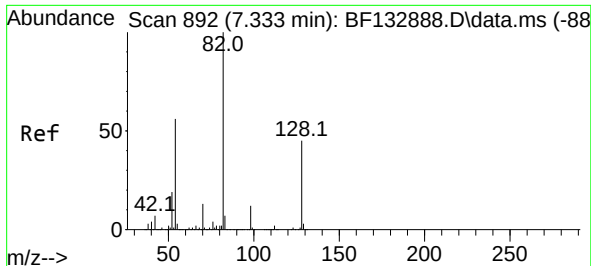
Reviewed By :Christian Giraldo 04/21/2023
Supervised By :Jagrut Upadhyay 04/21/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.039 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF132937.D
Acq: 20 Apr 2023 14:14

Tgt Ion:136 Resp: 1143714
Ion Ratio Lower Upper
136 100
137 11.4 9.0 13.4
54 11.5 8.9 13.3
68 8.3 6.5 9.7





#23

Nitrobenzene-d5

Concen: 13.881 ng

RT: 7.316 min Scan# 889

Delta R.T. -0.012 min

Lab File: BF132937.D

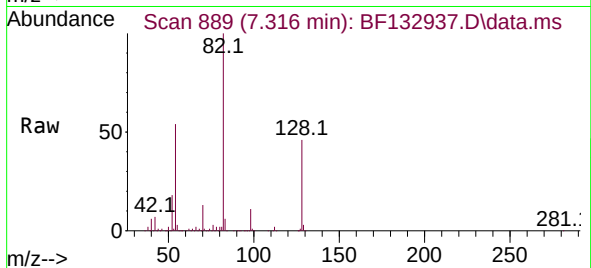
Acq: 20 Apr 2023 14:14

Instrument :

BNA_F

ClientSampleId :

OK-2-041823



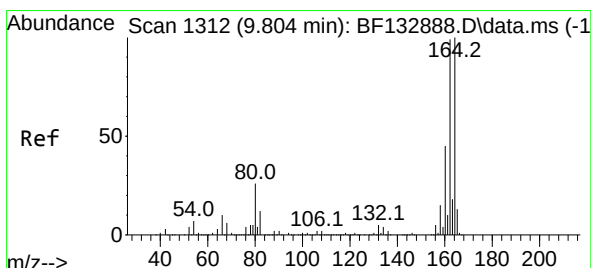
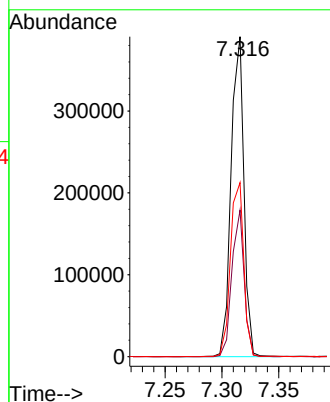
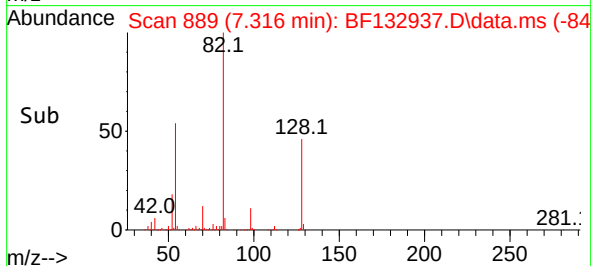
Tgt Ion: 82 Resp: 304572

Ion	Ratio	Lower	Upper
82	100		
128	45.8	35.7	53.5
54	54.4	44.7	67.1

Manual Integrations

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Supervised By :Jagrut Upadhyay 04/21/2023



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.792 min Scan# 1310

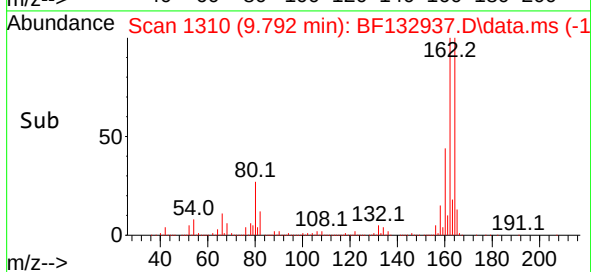
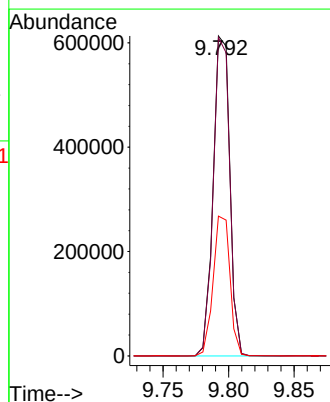
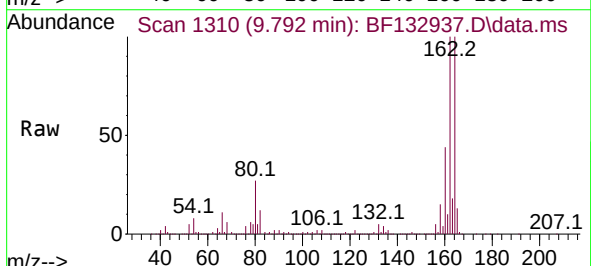
Delta R.T. -0.006 min

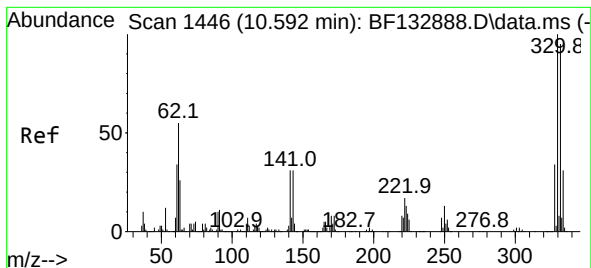
Lab File: BF132937.D

Acq: 20 Apr 2023 14:14

Tgt Ion:164 Resp: 540151

Ion	Ratio	Lower	Upper
164	100		
162	99.5	79.1	118.7
160	43.7	35.6	53.4





#42
2,4,6-Tribromophenol
Concen: 17.355 ng
RT: 10.580 min Scan# 1444
Delta R.T. -0.006 min
Lab File: BF132937.D
Acq: 20 Apr 2023 14:14

Instrument :

BNA_F

ClientSampleId :

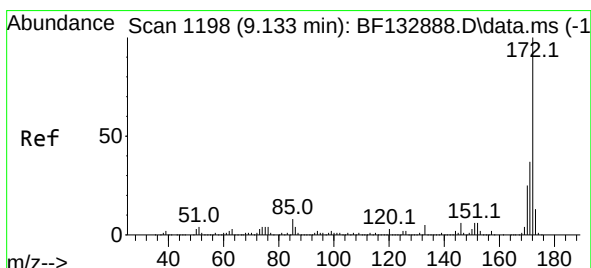
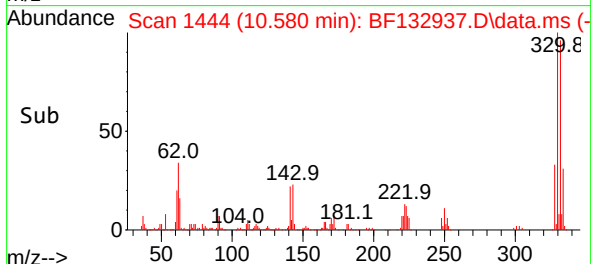
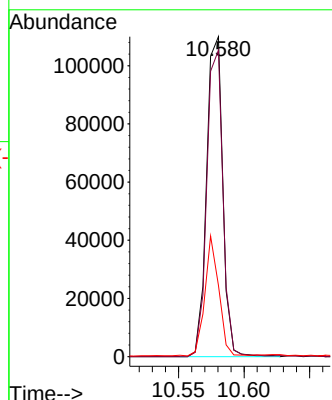
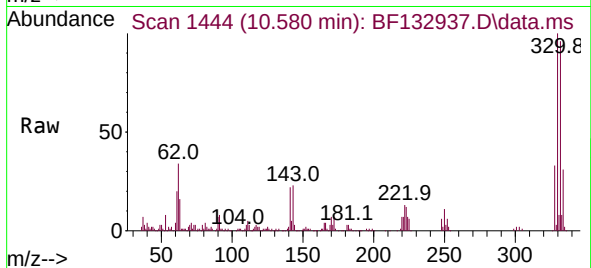
OK-2-041823

Tgt Ion: 330 Resp: 94026
Ion Ratio Lower Upper
330 100
332 95.6 76.3 114.5
141 32.2 23.9 35.9

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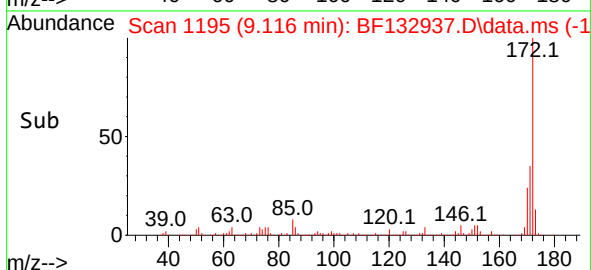
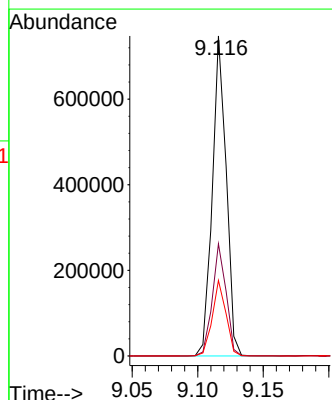
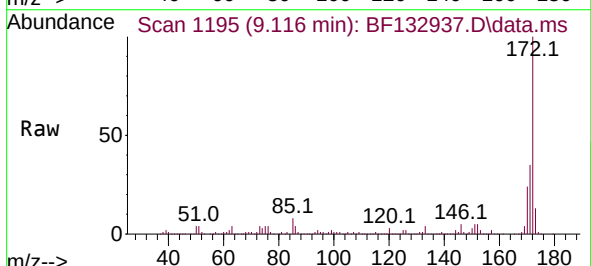
APPROVED

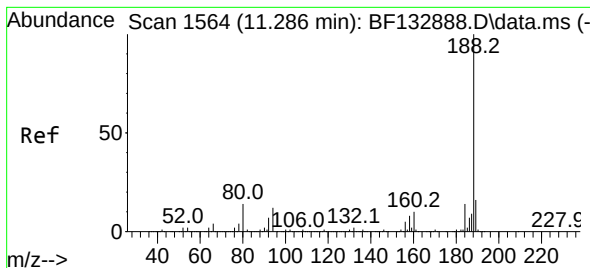
Reviewed By : Christian Giraldo 04/21/2023
Supervised By : Jagrut Upadhyay 04/21/2023



#45
2-Fluorobiphenyl
Concen: 15.663 ng
RT: 9.116 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BF132937.D
Acq: 20 Apr 2023 14:14

Tgt Ion: 172 Resp: 550713
Ion Ratio Lower Upper
172 100
171 35.0 29.4 44.0
170 23.6 20.1 30.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.274 min Scan# 1566

Delta R.T. -0.006 min

Lab File: BF132937.D

Acq: 20 Apr 2023 14:14

Instrument :

BNA_F

ClientSampleId :

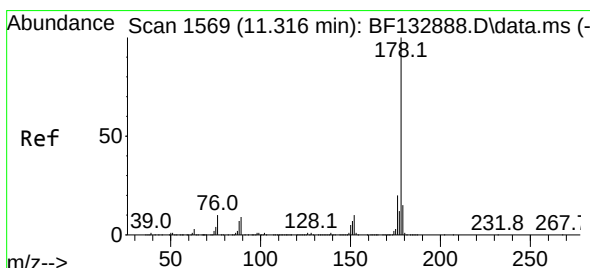
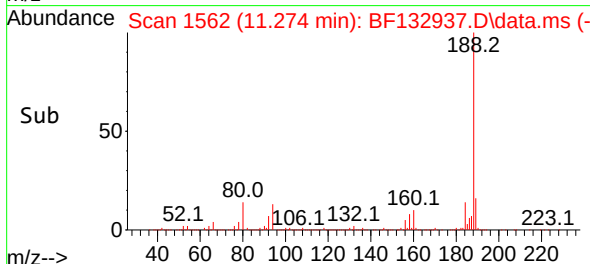
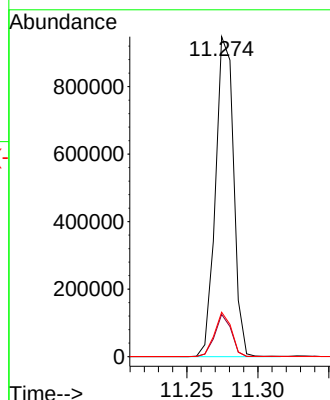
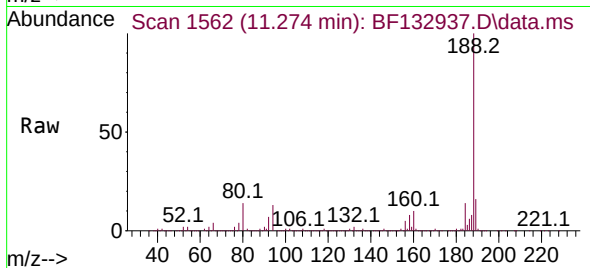
OK-2-041823

Tgt Ion:188	Resp: 841210
Ion Ratio	Lower Upper
188	100
94	13.2 9.9 14.9
80	13.9 10.8 16.2

Manual Integrations

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Reviewed By :Christian Giraldo 04/21/2023
Supervised By :Jagrut Upadhyay 04/21/2023



#71

Phenanthrene

Concen: 2.135 ng

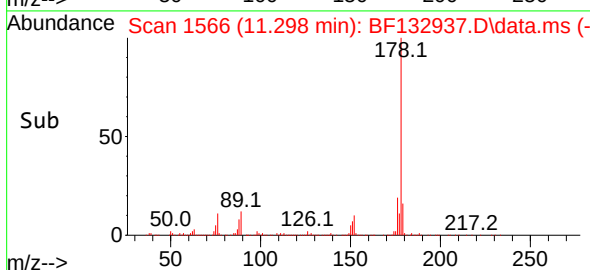
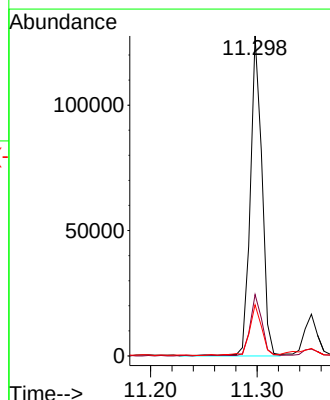
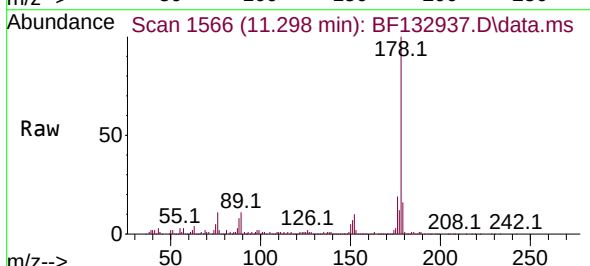
RT: 11.298 min Scan# 1566

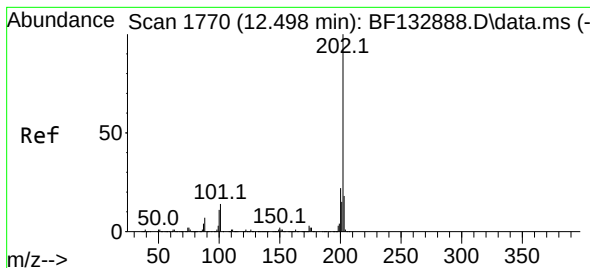
Delta R.T. -0.006 min

Lab File: BF132937.D

Acq: 20 Apr 2023 14:14

Tgt Ion:178	Resp: 96600
Ion Ratio	Lower Upper
178	100
176	19.2 15.9 23.9
179	16.0 12.3 18.5





#75

Fluoranthene

Concen: 2.684 ng

RT: 12.486 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF132937.D

Acq: 20 Apr 2023 14:14

Instrument :

BNA_F

ClientSampleId :

OK-2-041823

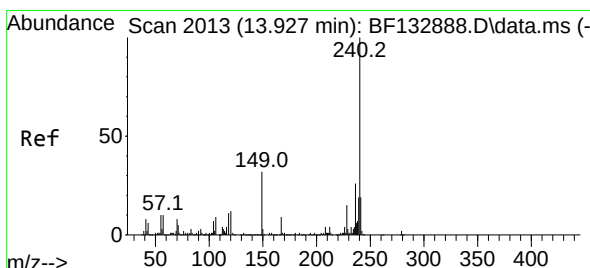
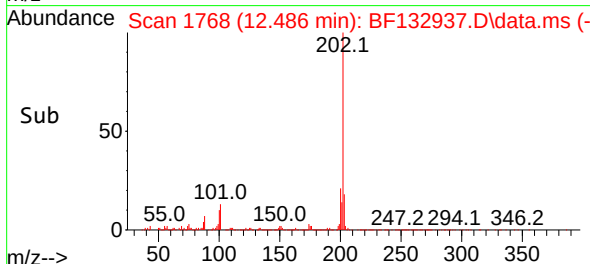
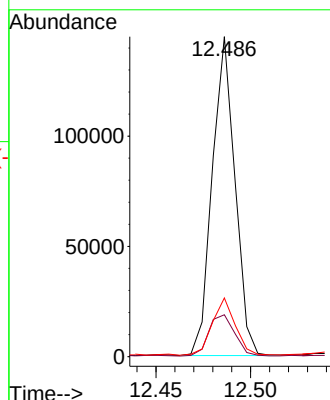
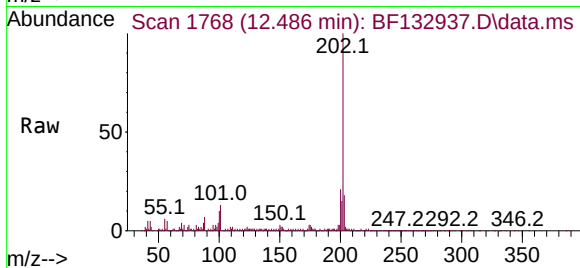
Tgt Ion:202 Resp: 120763
 Ion Ratio Lower Upper
 202 100
 101 13.1 0.0 34.5
 203 18.3 0.0 38.2

Manual Integrations

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Reviewed By :Christian Giraldo 04/21/2023

Supervised By :Jagrut Upadhyay 04/21/2023



#76

Chrysene-d12

Concen: 20.000 ng

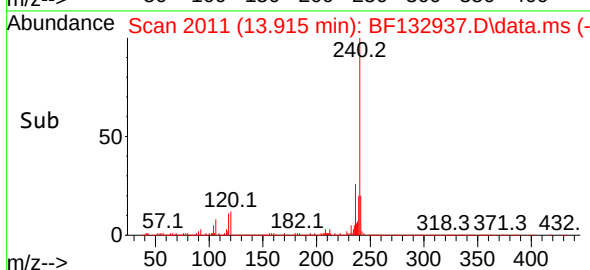
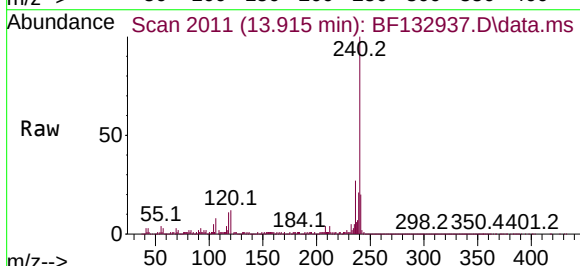
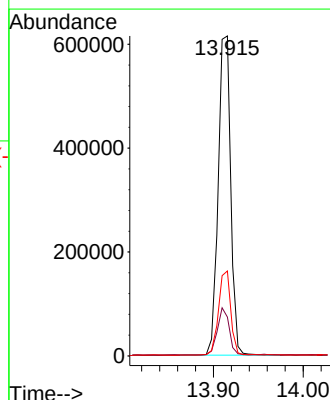
RT: 13.915 min Scan# 2011

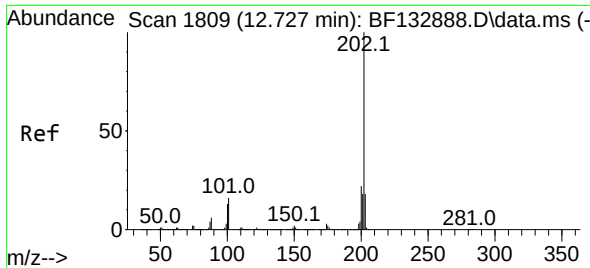
Delta R.T. -0.000 min

Lab File: BF132937.D

Acq: 20 Apr 2023 14:14

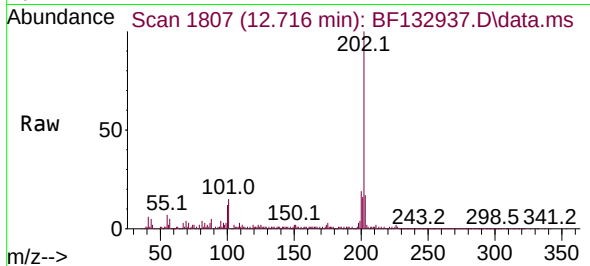
Tgt Ion:240 Resp: 595265
 Ion Ratio Lower Upper
 240 100
 120 12.1 10.0 15.0
 236 26.5 20.8 31.2





#78
Pyrene
Concen: 2.400 ng
RT: 12.716 min Scan# 1807
Delta R.T. -0.006 min
Lab File: BF132937.D
Acq: 20 Apr 2023 14:14

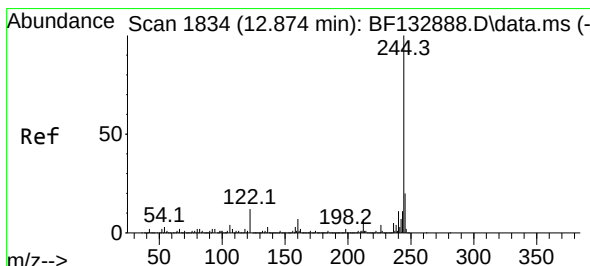
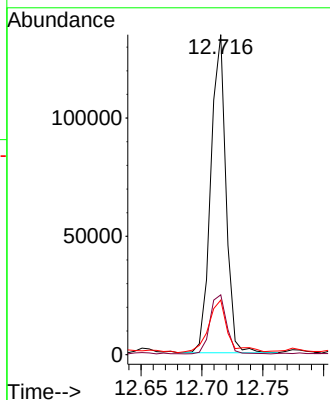
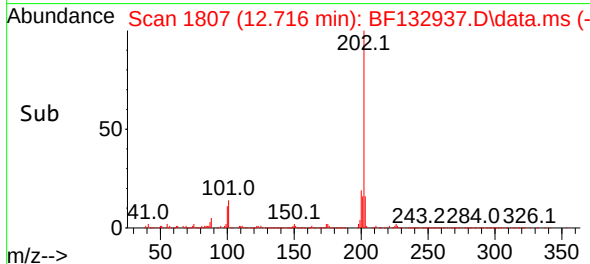
Instrument :
BNA_F
ClientSampleId :
OK-2-041823



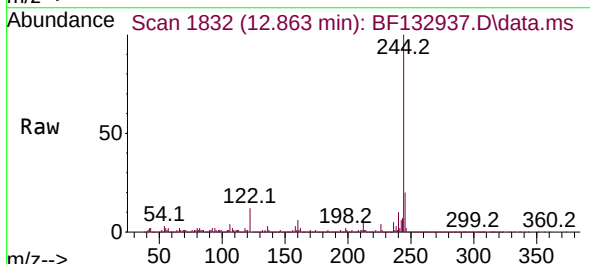
Tgt Ion:202 Resp: 116836
Ion Ratio Lower Upper
202 100
200 18.7 17.6 26.4
203 17.1 14.6 22.0

Manual Integrations
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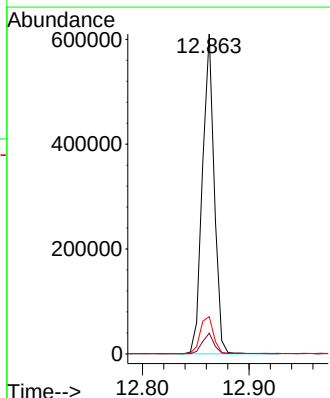
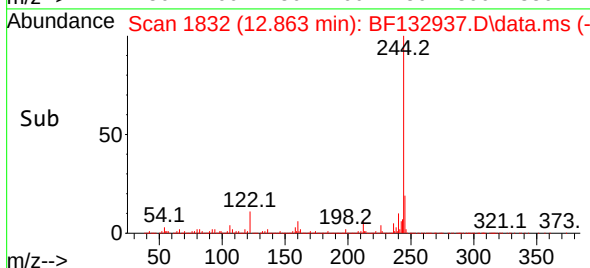
Reviewed By :Christian Giraldo 04/21/2023
Supervised By :Jagrut Upadhyay 04/21/2023

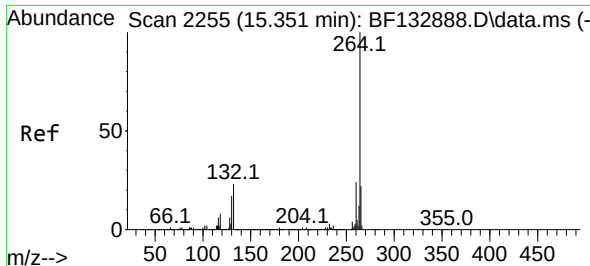


#79
Terphenyl-d14
Concen: 13.376 ng
RT: 12.863 min Scan# 1832
Delta R.T. -0.006 min
Lab File: BF132937.D
Acq: 20 Apr 2023 14:14



Tgt Ion:244 Resp: 466696
Ion Ratio Lower Upper
244 100
212 6.5 5.4 8.0
122 11.6 9.6 14.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.345 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF132937.D
Acq: 20 Apr 2023 14:14

Instrument :

BNA_F

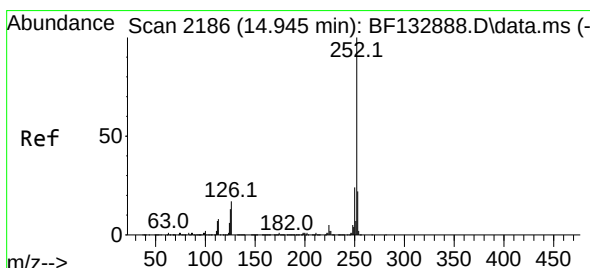
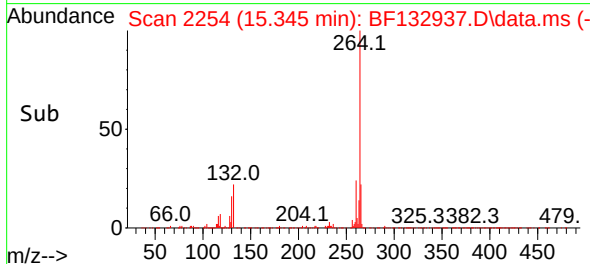
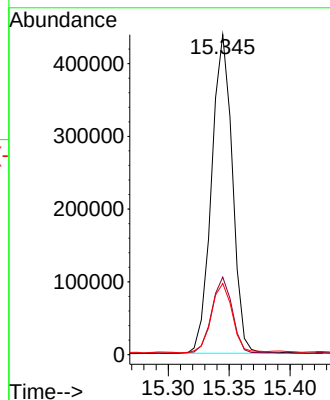
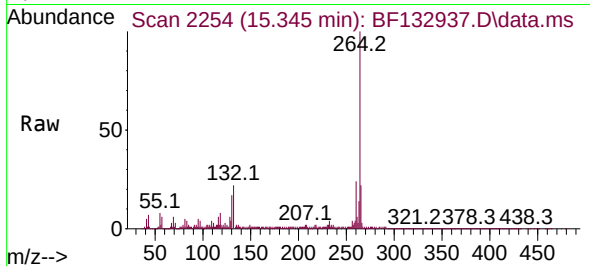
ClientSampleId :

OK-2-041823

Tgt Ion:264 Resp: 519040
Ion Ratio Lower Upper
264 100
260 24.2 19.0 28.6
265 22.2 17.7 26.5

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 04/21/2023
Supervised By :Jagrut Upadhyay 04/21/2023



#88
Benzo(b)fluoranthene
Concen: 2.062 ng m
RT: 14.933 min Scan# 2184
Delta R.T. -0.000 min
Lab File: BF132937.D
Acq: 20 Apr 2023 14:14

Tgt Ion:252 Resp: 66653
Ion Ratio Lower Upper
252 100
253 33.5 17.9 26.9#
125 26.1 10.0 15.0#

