

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010722\
 Data File : BF126554.D
 Acq On : 7 Jan 2022 20:46
 Operator : JU/CG
 Sample : N1064-01 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HD-02-010622

Quant Time: Jan 08 04:40:36 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122921.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 05 01:57:07 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Christian Giraldo 01/10/2022
 Supervised By :Jagrut Upadhyay 01/10/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	92603	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	343963	20.000	ng	# 0.00
39) Acenaphthene-d10	9.822	164	138248	20.000	ng	0.00
64) Phenanthrene-d10	11.304	188	204507	20.000	ng	0.00
76) Chrysene-d12	13.951	240	159373	20.000	ng	0.00
86) Perylene-d12	15.410	264	116299	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.387	112	112688	17.475	ng	0.00
7) Phenol-d6	6.410	99	139460	16.698	ng	-0.01
23) Nitrobenzene-d5	7.340	82	77506	11.570	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	17420	16.306	ng	0.00
45) 2-Fluorobiphenyl	9.139	172	117511	14.958	ng	-0.01
79) Terphenyl-d14	12.898	244	96000	11.703	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.327	178	43501	4.161	ng	97
75) Fluoranthene	12.522	202	85351	8.944	ng	97
78) Pyrene	12.751	202	88886	6.600	ng	99
81) Benzo(a)anthracene	13.945	228	36377	3.969	ng	# 91
83) Chrysene	13.980	228	38623	4.108	ng	# 94
88) Benzo(b)fluoranthene	14.992	252	37343m	5.390	ng	
90) Benzo(a)pyrene	15.345	252	25895	4.458	ng	# 83
92) Benzo(g,h,i)perylene	17.268	276	16773	2.508	ng	# 94

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

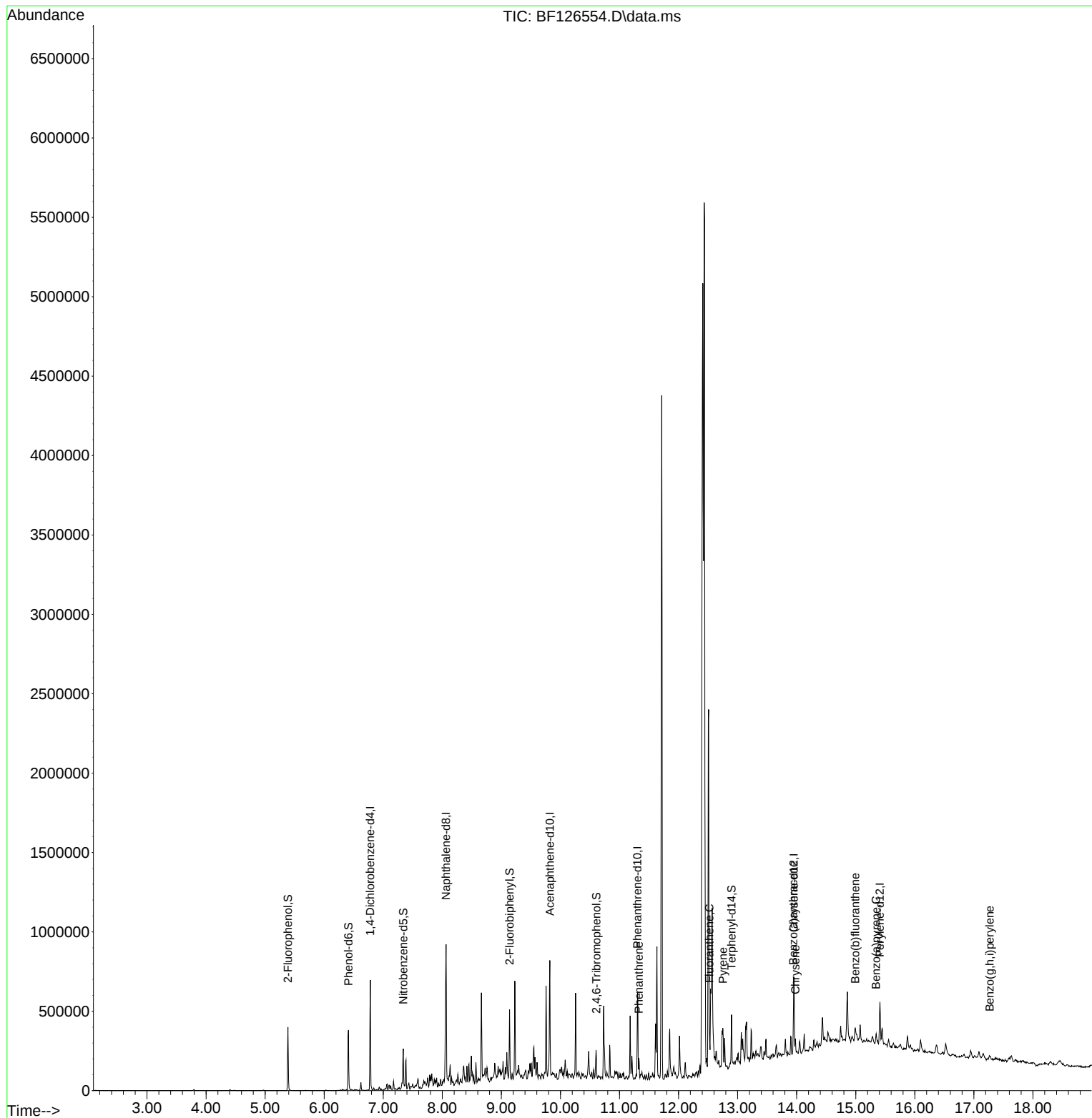
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010722\
Data File : BF126554.D
Acq On : 7 Jan 2022 20:46
Operator : JU/CG
Sample : N1064-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

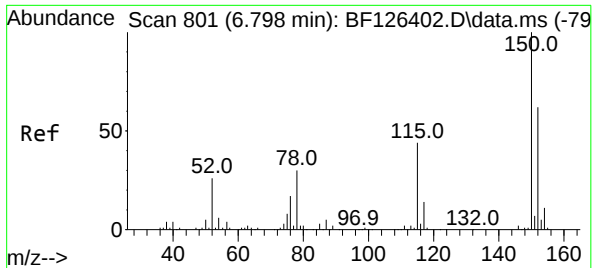
Instrument :
BNA_F
ClientSampleId :
HD-02-010622

Quant Time: Jan 08 04:40:36 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 05 01:57:07 2022
Response via : Initial Calibration

Manual Integrations
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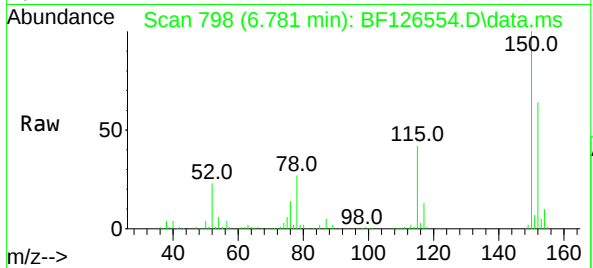
Reviewed By :Christian Giraldo 01/10/2022
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.005 min
Lab File: BF126554.D
Acq: 7 Jan 2022 20:46

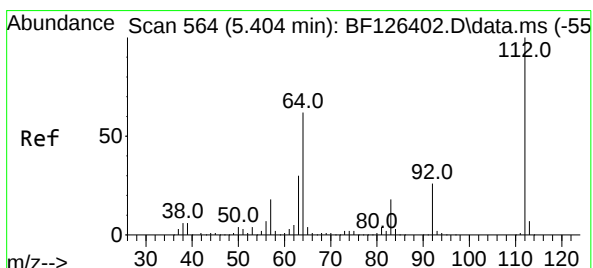
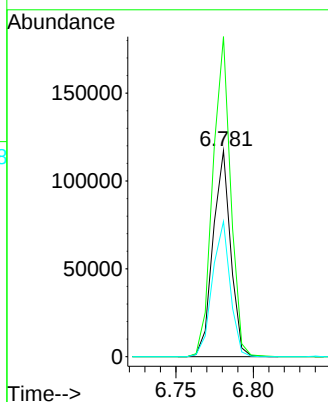
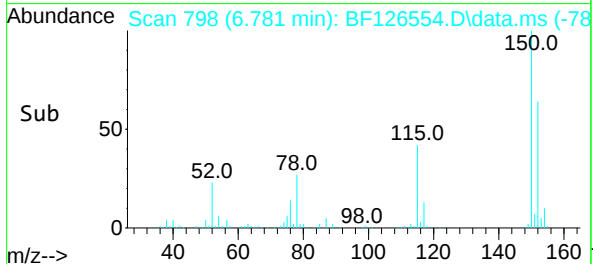
Instrument :
BNA_F
ClientSampleId :
HD-02-010622



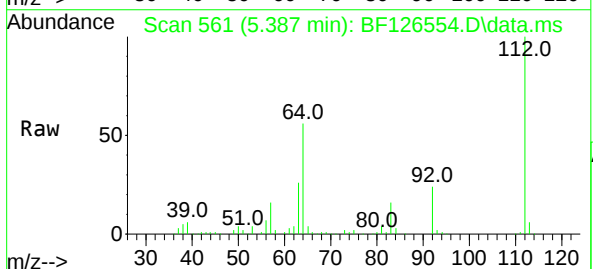
Tgt Ion:152 Resp: 92600
Ion Ratio Lower Upper
152 100
150 155.4 128.1 192.1
115 65.7 56.7 85.1

Manual Integrations
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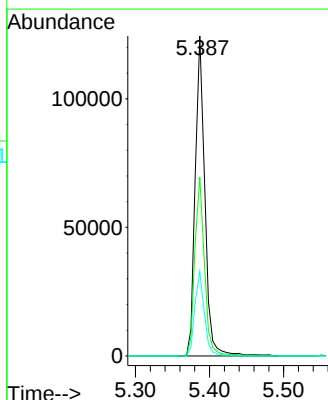
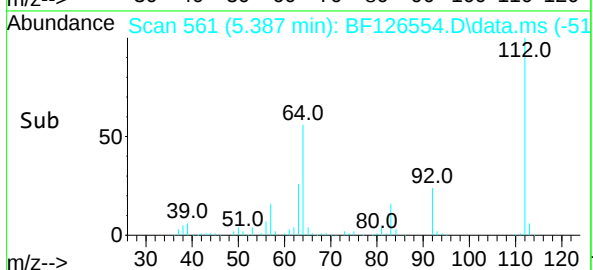
Reviewed By :Christian Giraldo 01/10/2022
Supervised By :Jagrut Upadhyay 01/10/2022

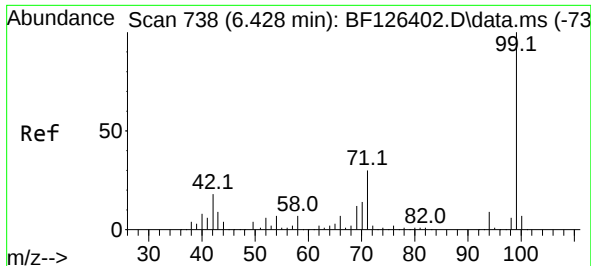


#5
2-Fluorophenol
Concen: 17.475 ng
RT: 5.387 min Scan# 561
Delta R.T. -0.006 min
Lab File: BF126554.D
Acq: 7 Jan 2022 20:46



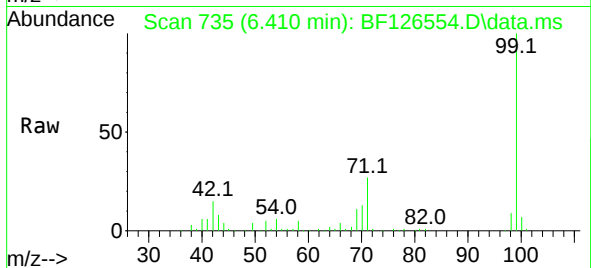
Tgt Ion:112 Resp: 112688
Ion Ratio Lower Upper
112 100
64 55.8 49.5 74.3
63 26.4 23.9 35.9





#7
Phenol-d6
Concen: 16.698 ng
RT: 6.410 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF126554.D
Acq: 7 Jan 2022 20:46

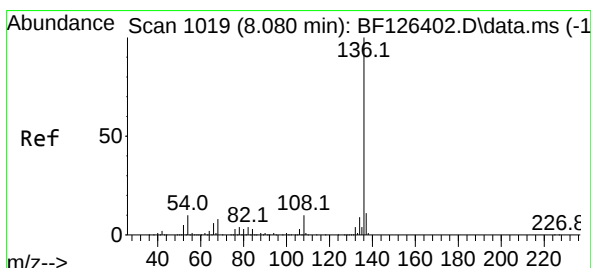
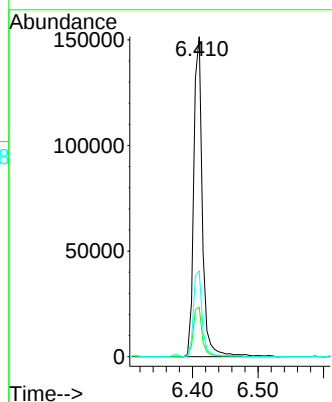
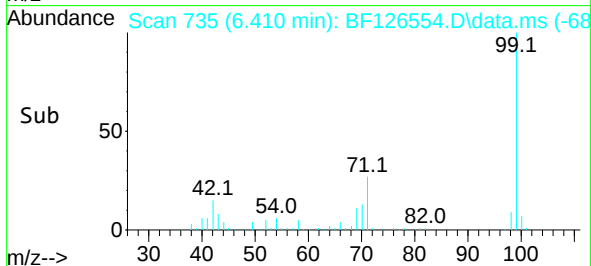
Instrument :
BNA_F
ClientSampleId :
HD-02-010622



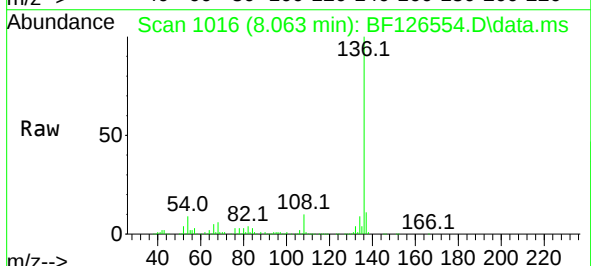
Tgt Ion: 99 Resp: 139460
Ion Ratio Lower Upper
99 100
42 15.4 14.2 21.4
71 26.8 24.3 36.5

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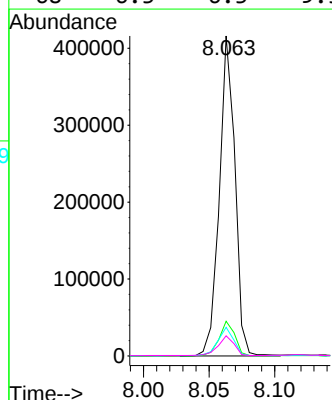
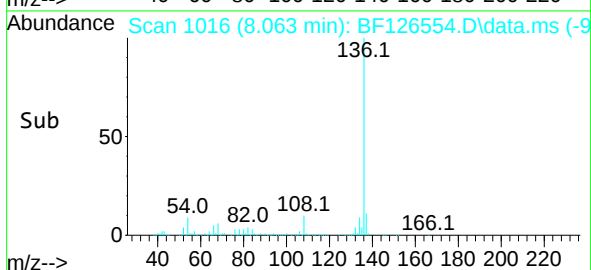
Reviewed By :Christian Giraldo 01/10/2022
Supervised By :Jagrut Upadhyay 01/10/2022

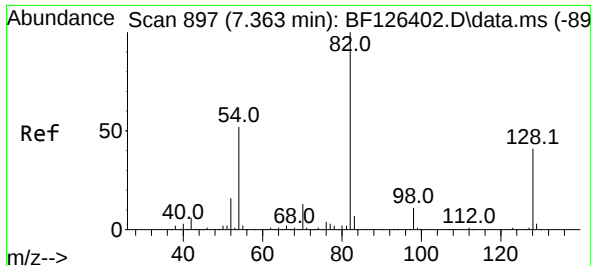


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF126554.D
Acq: 7 Jan 2022 20:46



Tgt Ion:136 Resp: 343963
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 9.0 7.8 11.6
68 6.3 6.3 9.5#





#23

Nitrobenzene-d5

Concen: 11.570 ng

RT: 7.340 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF126554.D

Acq: 7 Jan 2022 20:46

Instrument :

BNA_F

ClientSampleId :

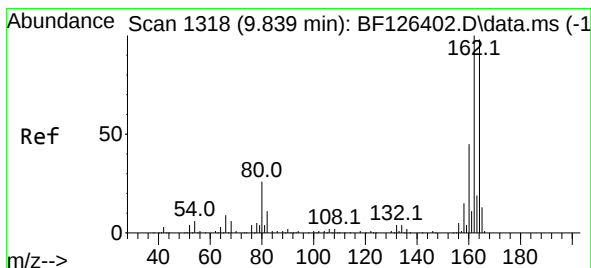
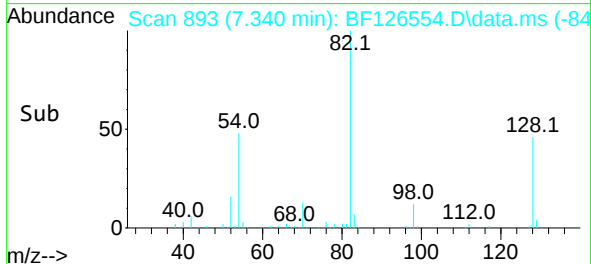
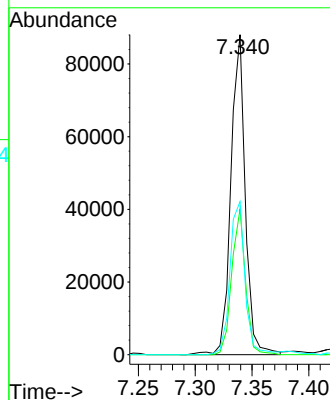
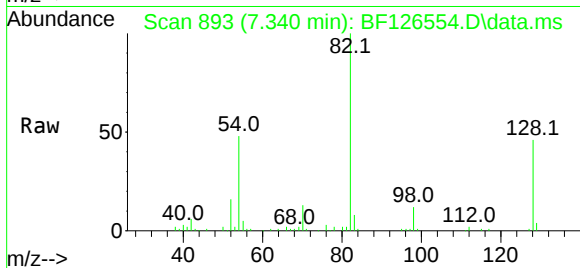
HD-02-010622

Tgt Ion: 82 Resp: 77500

Ion	Ratio	Lower	Upper
82	100		
128	45.6	32.7	49.1
54	47.9	41.7	62.5

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Supervised By :Jagrut Upadhyay 01/10/2022



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.822 min Scan# 1315

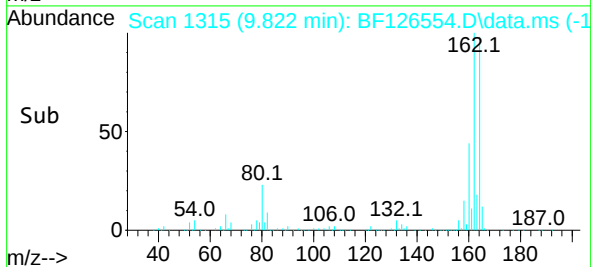
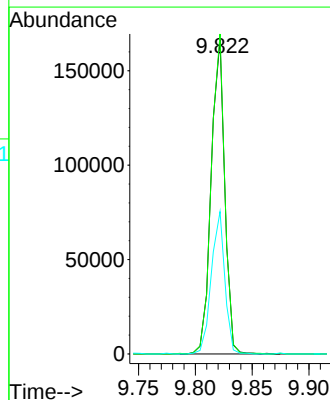
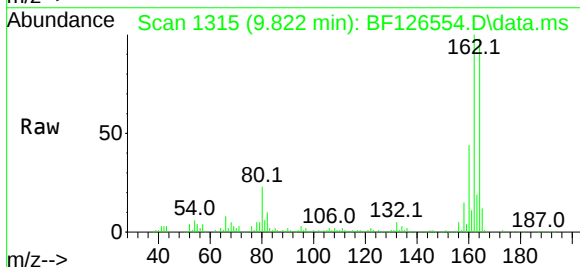
Delta R.T. -0.006 min

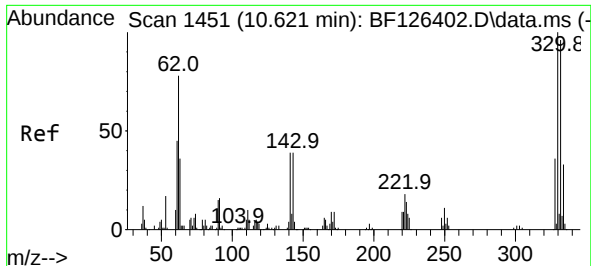
Lab File: BF126554.D

Acq: 7 Jan 2022 20:46

Tgt Ion:164 Resp: 138248

Ion	Ratio	Lower	Upper
164	100		
162	101.7	81.4	122.0
160	45.3	36.6	54.8





#42

2,4,6-Tribromophenol

Concen: 16.306 ng

RT: 10.610 min Scan# 1451

Delta R.T. -0.006 min

Lab File: BF126554.D

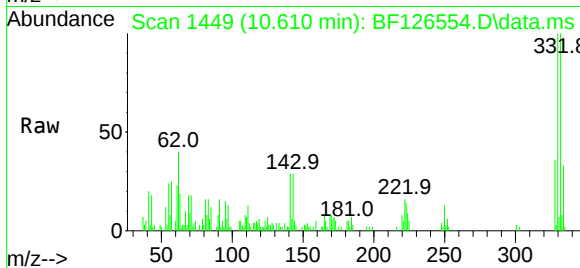
Acq: 7 Jan 2022 20:46

Instrument :

BNA_F

ClientSampleId :

HD-02-010622



Tgt Ion: 330 Resp: 17420

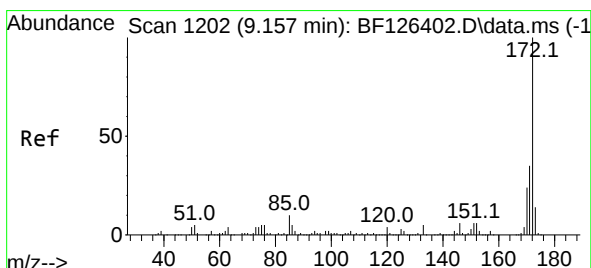
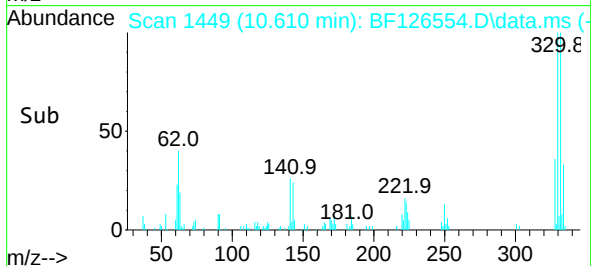
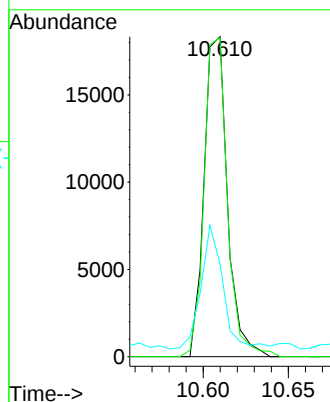
Ion	Ratio	Lower	Upper
330	100		
332	99.1	76.0	114.0
141	36.6	30.1	45.1

Manual Integrations

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Supervised By : Jagrut Upadhyay 01/10/2022



#45

2-Fluorobiphenyl

Concen: 14.958 ng

RT: 9.139 min Scan# 1199

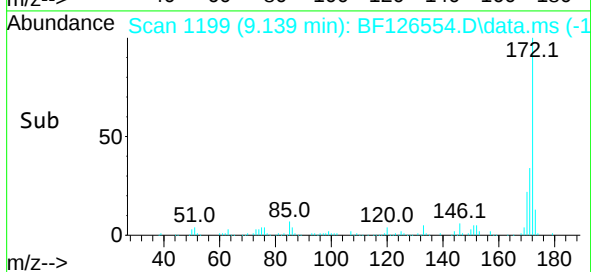
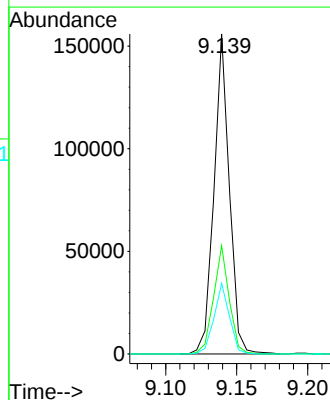
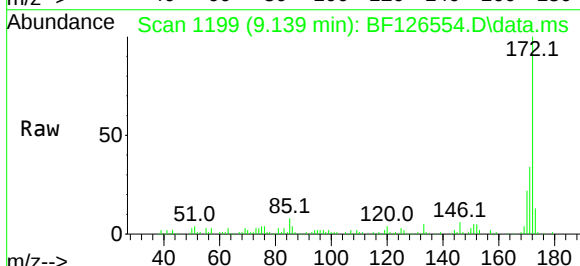
Delta R.T. -0.012 min

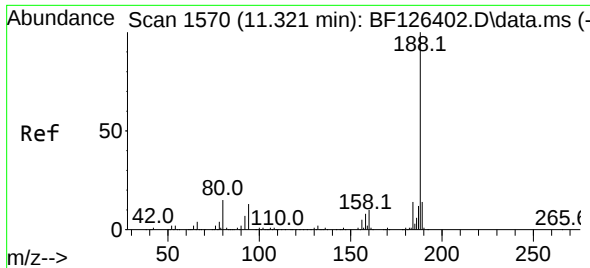
Lab File: BF126554.D

Acq: 7 Jan 2022 20:46

Tgt Ion: 172 Resp: 117511

Ion	Ratio	Lower	Upper
172	100		
171	33.8	28.3	42.5
170	22.1	19.0	28.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126554.D
Acq: 7 Jan 2022 20:46

Instrument :

BNA_F

ClientSampleId :

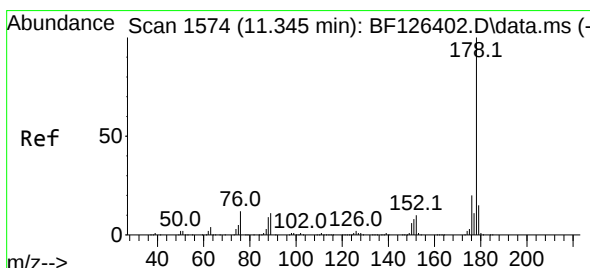
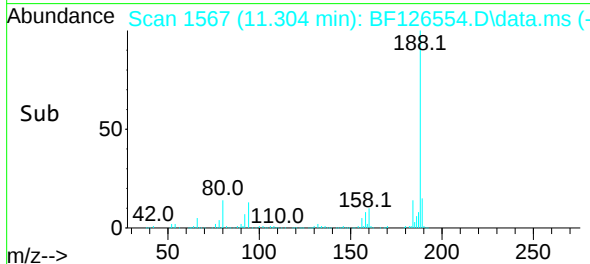
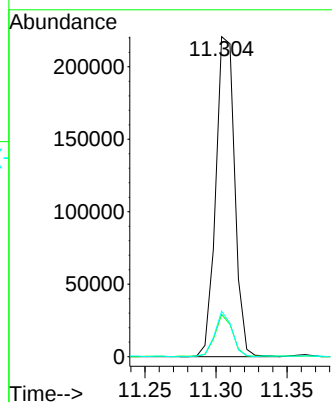
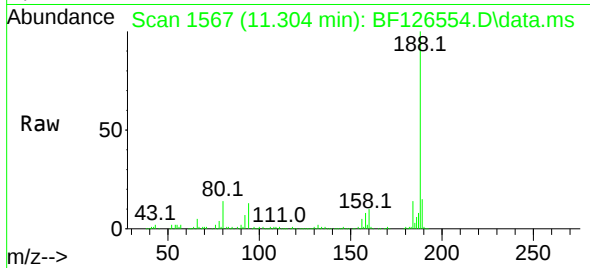
HD-02-010622

Tgt Ion:188 Resp: 20450
Ion Ratio Lower Upper
188 100
94 13.2 10.1 15.1
80 14.2 11.8 17.6

Manual Integrations

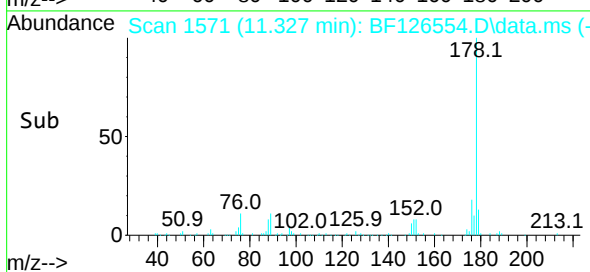
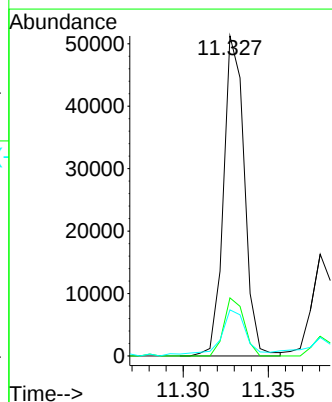
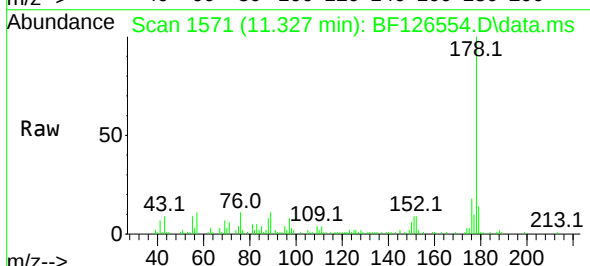
APPROVED

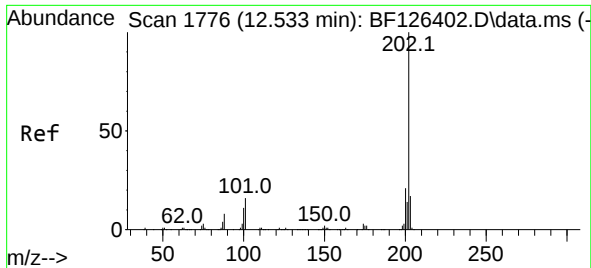
Reviewed By :Christian Giraldo 01/10/2022
Supervised By :Jagrut Upadhyay 01/10/2022



#71
Phenanthrene
Concen: 4.161 ng
RT: 11.327 min Scan# 1571
Delta R.T. -0.006 min
Lab File: BF126554.D
Acq: 7 Jan 2022 20:46

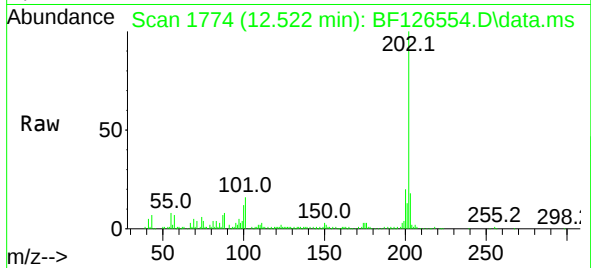
Tgt Ion:178 Resp: 43501
Ion Ratio Lower Upper
178 100
176 18.2 15.7 23.5
179 14.4 12.3 18.5





#75
Fluoranthene
Concen: 8.944 ng
RT: 12.522 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF126554.D
Acq: 7 Jan 2022 20:46

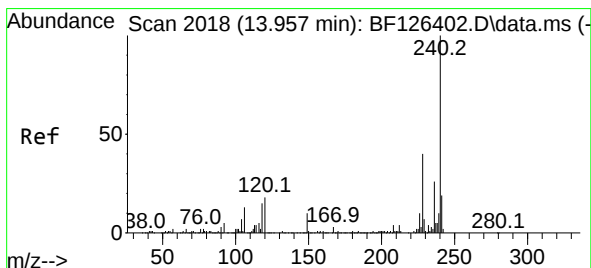
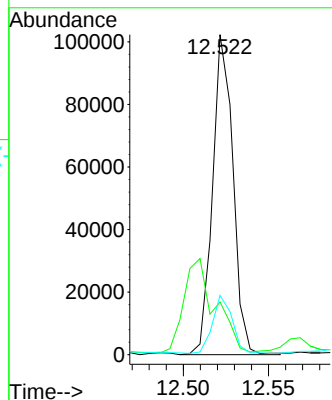
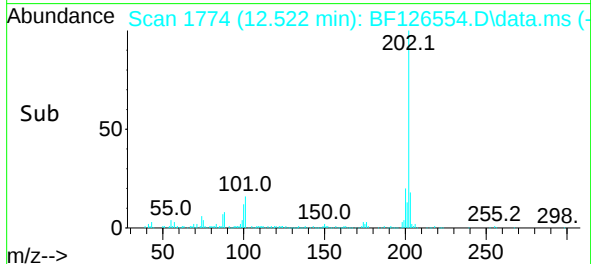
Instrument :
BNA_F
ClientSampleId :
HD-02-010622



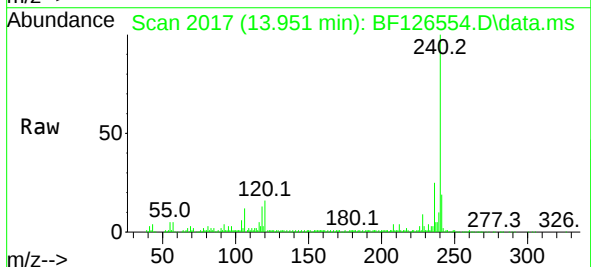
Tgt Ion:202 Resp: 8535
Ion Ratio Lower Upper
202 100
101 16.4 0.0 35.7
203 18.5 0.0 37.1

Manual Integrations
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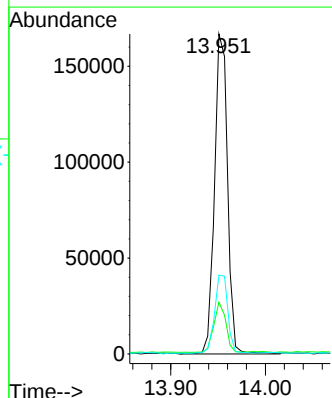
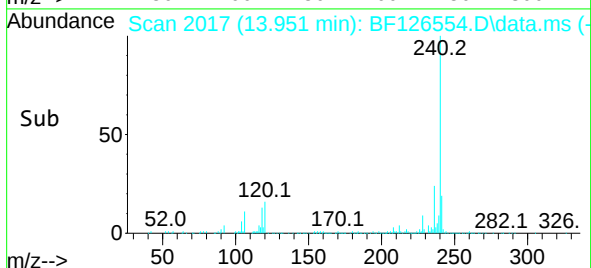
Reviewed By :Christian Giraldo 01/10/2022
Supervised By :Jagrut Upadhyay 01/10/2022

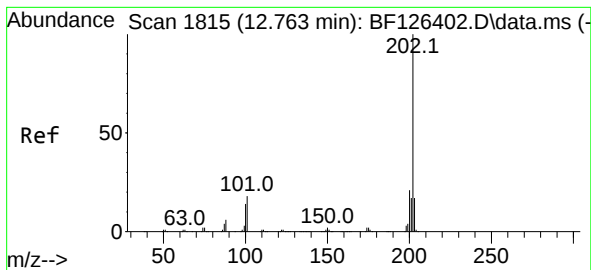


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.951 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF126554.D
Acq: 7 Jan 2022 20:46



Tgt Ion:240 Resp: 159373
Ion Ratio Lower Upper
240 100
120 16.2 14.4 21.6
236 24.7 20.5 30.7





#78

Pyrene

Concen: 6.600 ng

RT: 12.751 min Scan# 1813

Delta R.T. 0.000 min

Lab File: BF126554.D

Acq: 7 Jan 2022 20:46

Instrument :

BNA_F

ClientSampleId :

HD-02-010622

Tgt Ion:202 Resp: 88880

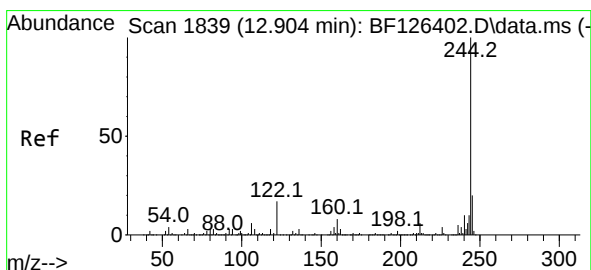
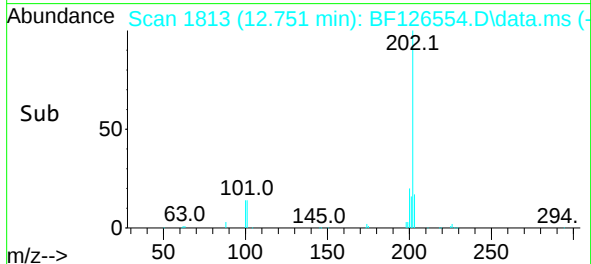
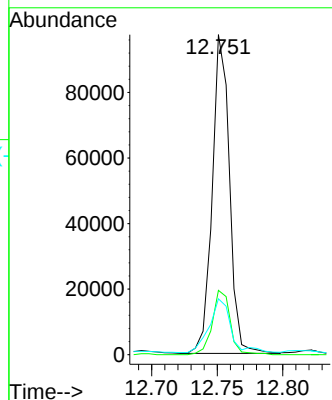
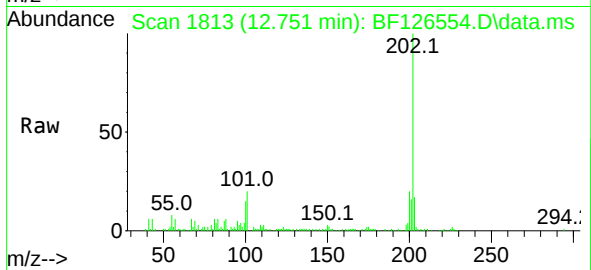
Ion	Ratio	Lower	Upper
202	100		
200	20.1	16.6	24.8
203	17.5	13.8	20.8

Manual Integrations

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Supervised By :Jagrut Upadhyay 01/10/2022



#79

Terphenyl-d14

Concen: 11.703 ng

RT: 12.898 min Scan# 1838

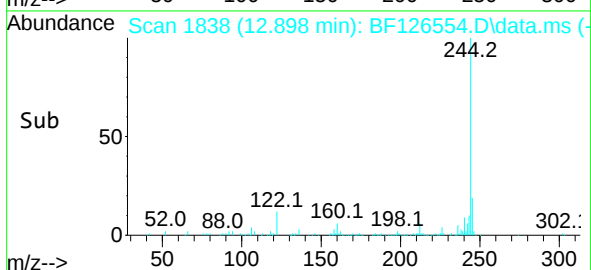
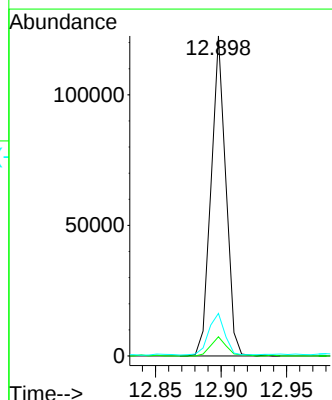
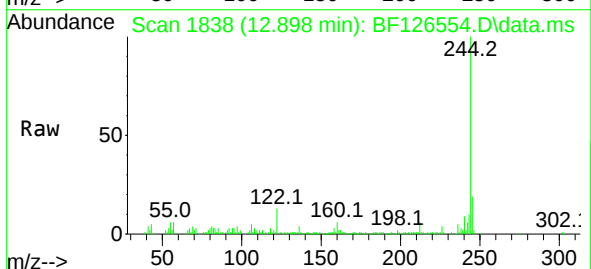
Delta R.T. 0.000 min

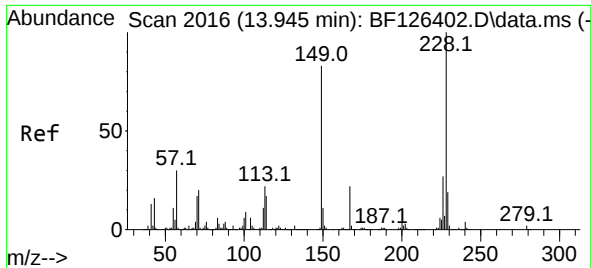
Lab File: BF126554.D

Acq: 7 Jan 2022 20:46

Tgt Ion:244 Resp: 96000

Ion	Ratio	Lower	Upper
244	100		
212	6.0	5.0	7.4
122	13.3	13.3	19.9





#81
Benzo(a)anthracene
Concen: 3.969 ng
RT: 13.945 min Scan# 2016
Delta R.T. 0.006 min
Lab File: BF126554.D
Acq: 7 Jan 2022 20:46

Instrument :

BNA_F

ClientSampleId :

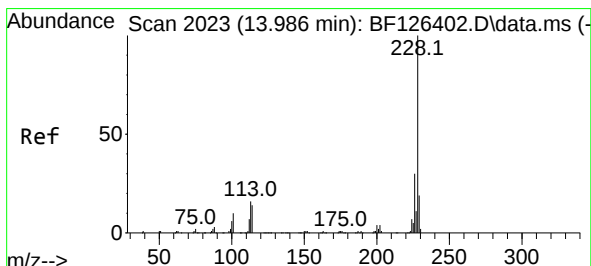
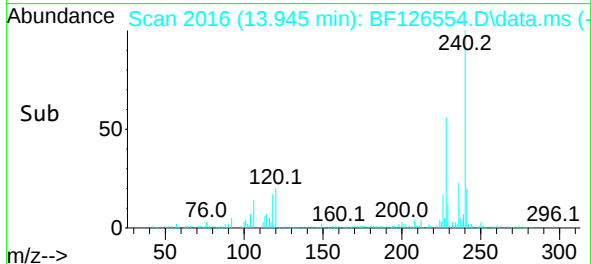
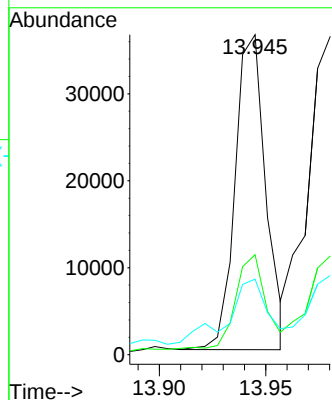
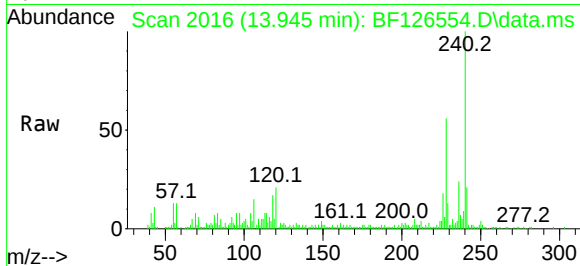
HD-02-010622

Tgt Ion:228 Resp: 3637
Ion Ratio Lower Upper
228 100
226 31.3 21.4 32.0
229 23.6 15.4 23.2

Manual Integrations

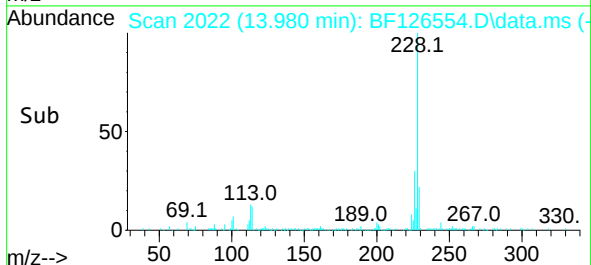
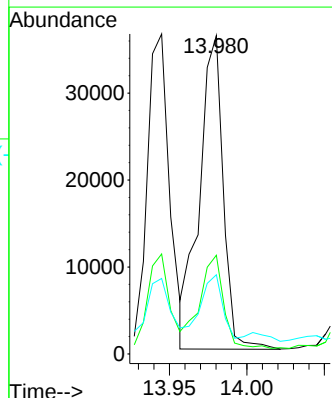
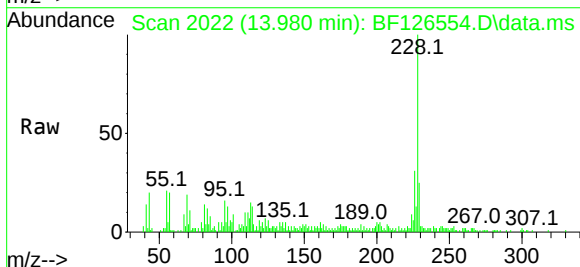
APPROVED

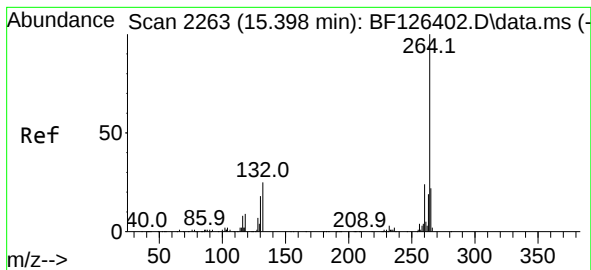
Reviewed By :Christian Giraldo 01/10/2022
Supervised By :Jagrut Upadhyay 01/10/2022



#83
Chrysene
Concen: 4.108 ng
RT: 13.980 min Scan# 2022
Delta R.T. 0.006 min
Lab File: BF126554.D
Acq: 7 Jan 2022 20:46

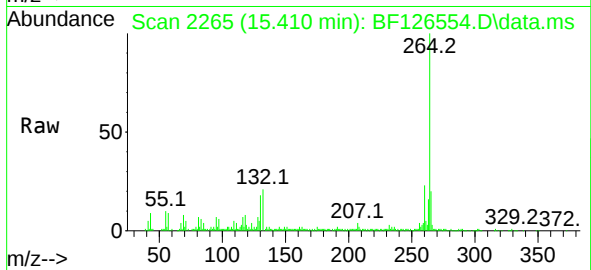
Tgt Ion:228 Resp: 38623
Ion Ratio Lower Upper
228 100
226 31.0 23.7 35.5
229 24.9 15.5 23.3





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.410 min Scan# 211
Delta R.T. 0.024 min
Lab File: BF126554.D
Acq: 7 Jan 2022 20:46

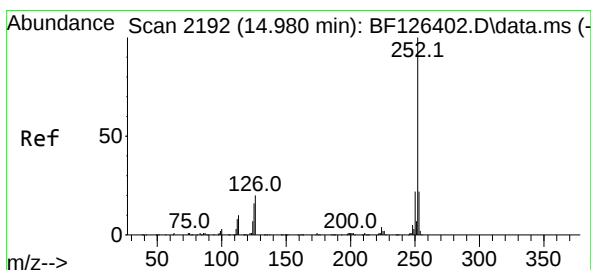
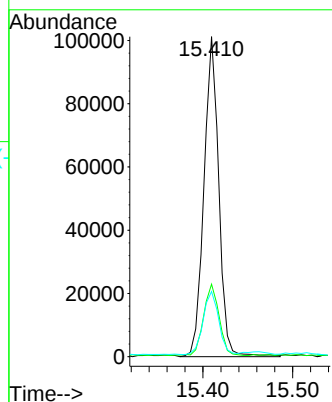
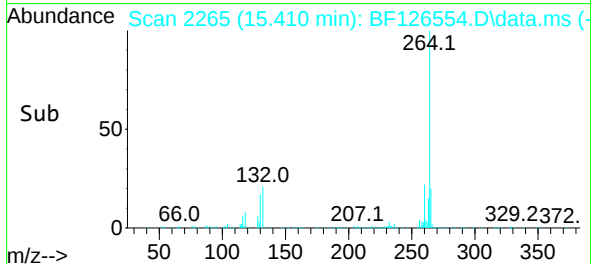
Instrument :
BNA_F
ClientSampleId :
HD-02-010622



Tgt Ion:264 Resp: 116299
Ion Ratio Lower Upper
264 100
260 22.6 19.2 28.8
265 20.4 17.4 26.2

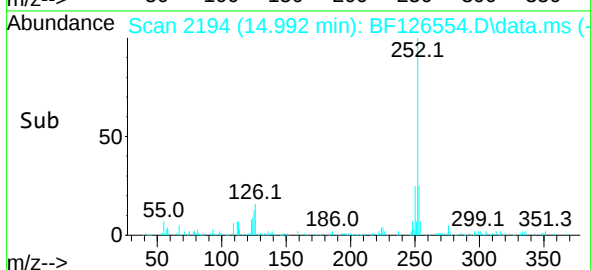
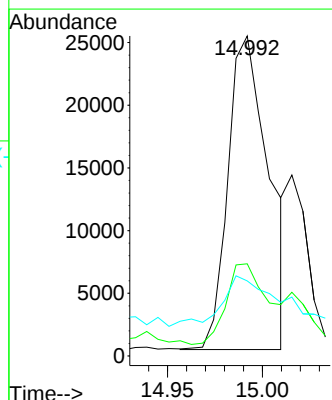
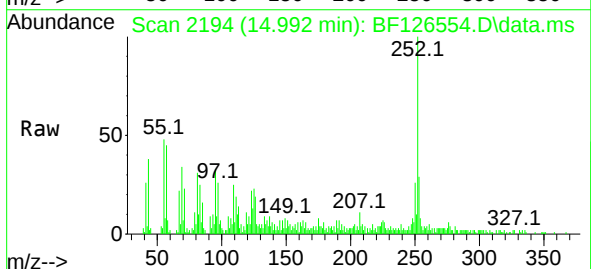
Manual Integrations
APPROVED

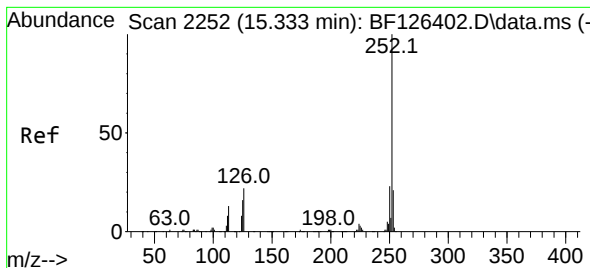
Reviewed By :Christian Giraldo 01/10/2022
Supervised By :Jagrut Upadhyay 01/10/2022



#88
Benzo(b)fluoranthene
Concen: 5.390 ng m
RT: 14.992 min Scan# 2194
Delta R.T. 0.018 min
Lab File: BF126554.D
Acq: 7 Jan 2022 20:46

Tgt Ion:252 Resp: 37343
Ion Ratio Lower Upper
252 100
253 28.8 17.8 26.8#
125 23.4 12.4 18.6#





#90

Benzo(a)pyrene

Concen: 4.458 ng

RT: 15.345 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF126554.D

Acq: 7 Jan 2022 20:46

Instrument :

BNA_F

ClientSampleId :

HD-02-010622

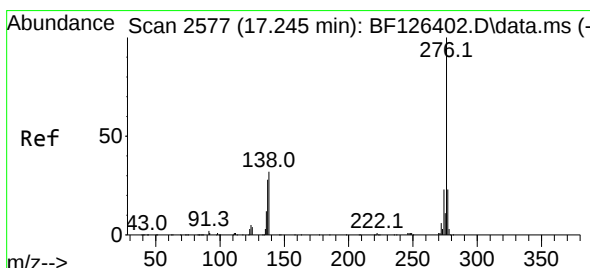
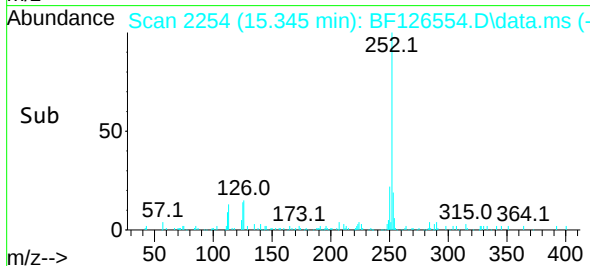
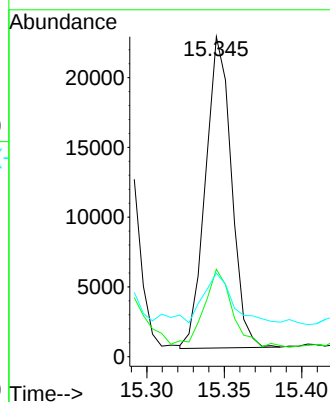
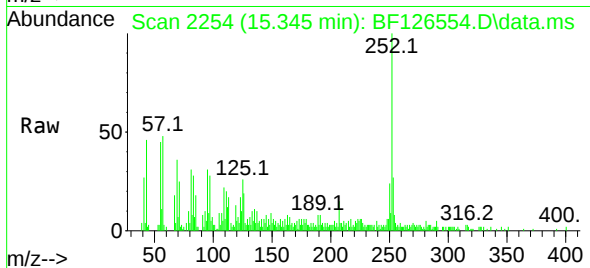
Tgt Ion:252 Resp: 2589
 Ion Ratio Lower Upper
 252 100
 253 27.3 17.1 25.7
 125 26.1 13.0 19.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/10/2022

Supervised By :Jagrut Upadhyay 01/10/2022



#92

Benzo(g,h,i)perylene

Concen: 2.508 ng

RT: 17.268 min Scan# 2581

Delta R.T. 0.035 min

Lab File: BF126554.D

Acq: 7 Jan 2022 20:46

Tgt Ion:276 Resp: 16773
 Ion Ratio Lower Upper
 276 100
 277 29.1 18.5 27.7
 138 31.3 25.9 38.9

