

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123021\
 Data File : BF126416.D
 Acq On : 30 Dec 2021 13:11
 Operator : JU/CG
 Sample : M5223-01 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DB-19-(10-15)-12-22-21

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/30/2021
 Supervised By :mohammad ahmed 12/31/2021

Quant Time: Dec 30 13:45:54 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122921.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 30 04:30:49 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	177439	20.000	ng	0.00
21) Naphthalene-d8	8.080	136	641171	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	215555	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	296043	20.000	ng	0.00
76) Chrysene-d12	13.974	240	169581	20.000	ng	0.02
86) Perylene-d12	15.427	264	139984	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	533423	43.171	ng	0.00
7) Phenol-d6	6.422	99	665510	41.585	ng	0.00
23) Nitrobenzene-d5	7.357	82	409200	32.769	ng	0.00
42) 2,4,6-Tribromophenol	10.627	330	64370	38.645	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	415387	33.911	ng	0.00
79) Terphenyl-d14	12.915	244	238856	27.366	ng	0.01
Target Compounds					Qvalue	
52) Acenaphthene	9.869	154	30795	2.586	ng	# 91
58) Fluorene	10.386	166	25164	2.211	ng	# 73
72) Anthracene	11.398	178	39670	2.619	ng	# 59
75) Fluoranthene	12.545	202	101614	7.356	ng	# 89
78) Pyrene	12.774	202	146735	10.239	ng	# 93
81) Benzo(a)anthracene	13.962	228	38888	3.988	ng	# 54
83) Chrysene	13.986	228	69453	6.943	ng	# 60
88) Benzo(b)fluoranthene	15.004	252	27505m	3.298	ng	
90) Benzo(a)pyrene	15.362	252	20548	2.939	ng	# 1

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

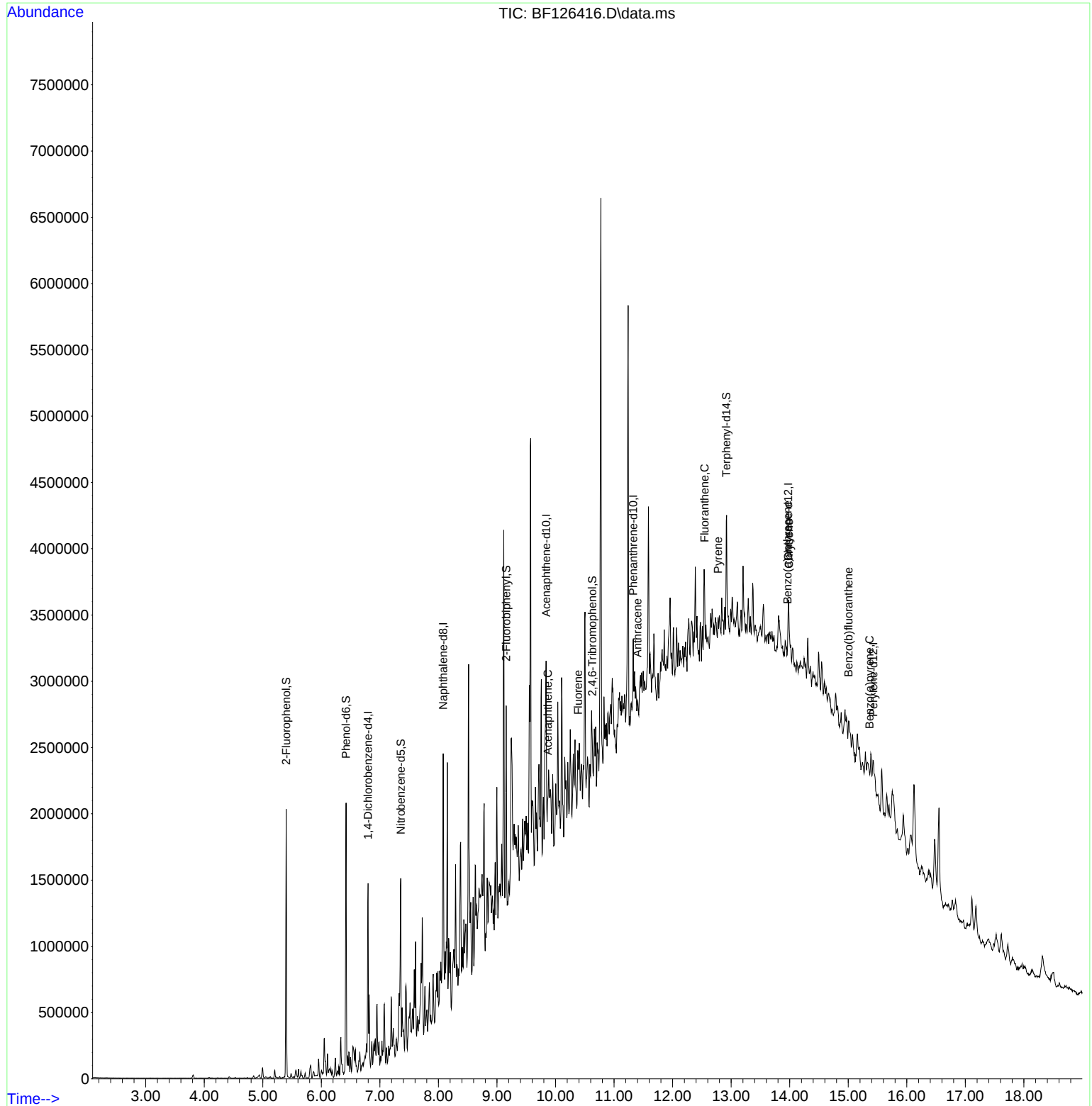
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF123021\
Data File : BF126416.D
Acq On : 30 Dec 2021 13:11
Operator : JU/CG
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Misc :
ALS Vial : 9 Sample Multiplier: 1

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Quant Time: Dec 30 13:45:54 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 30 04:30:49 2021
Response via : Initial Calibration

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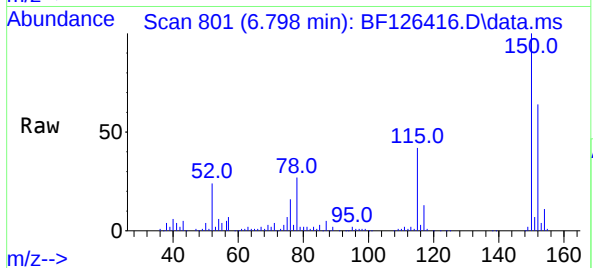
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/31/2021





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF126416.D
Acq: 30 Dec 2021 13:11

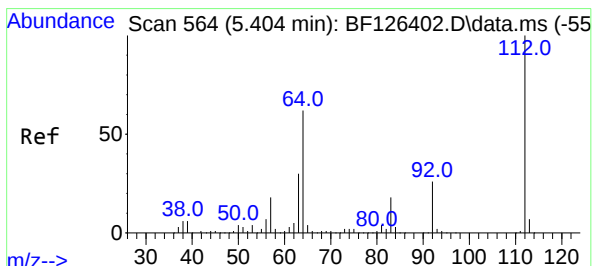
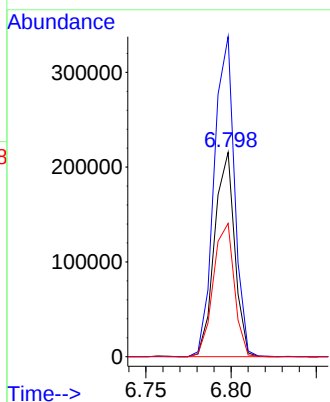
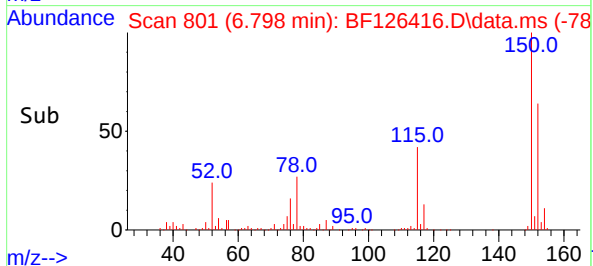
Instrument :
BNA_F
ClientSampleId :
DB-19-(10-15)-12-22-21



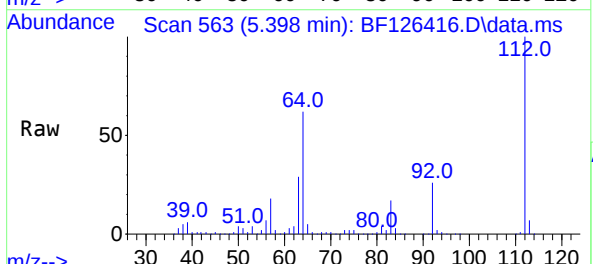
Tgt Ion:152 Resp: 177439
Ion Ratio Lower Upper
152 100
150 156.6 128.1 192.1
115 65.2 56.7 85.1

Manual Integrations
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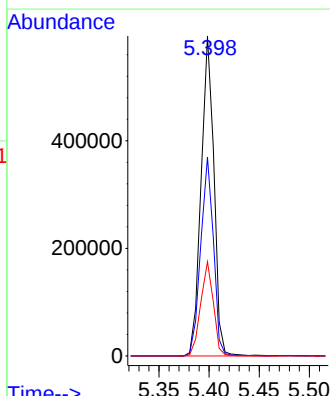
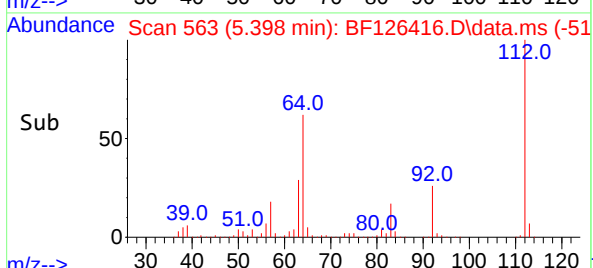
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/31/2021



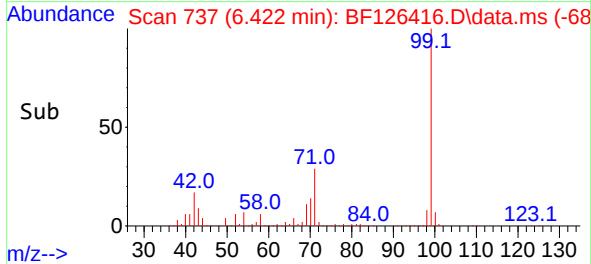
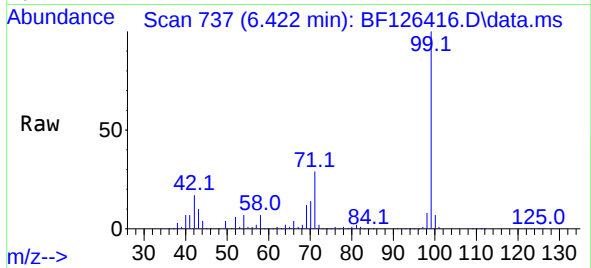
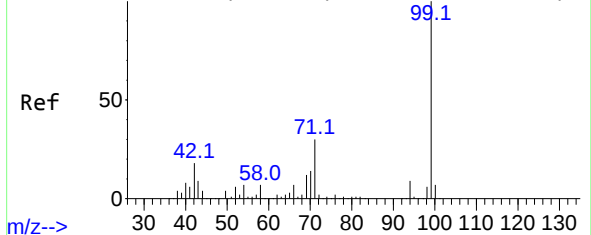
#5
2-Fluorophenol
Concen: 43.171 ng
RT: 5.398 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF126416.D
Acq: 30 Dec 2021 13:11



Tgt Ion:112 Resp: 533423
Ion Ratio Lower Upper
112 100
64 62.2 49.5 74.3
63 29.5 23.9 35.9



Abundance Scan 738 (6.428 min): BF126402.D\data.ms (-73



#7

Phenol-d6

Concen: 41.585 ng

RT: 6.422 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF126416.D

Acq: 30 Dec 2021 13:11

Instrument :

BNA_F

ClientSampleId :

DB-19-(10-15)-12-22-21

Tgt Ion: 99 Resp: 665510

Ion Ratio Lower Upper

99 100

42 17.1 14.2 21.4

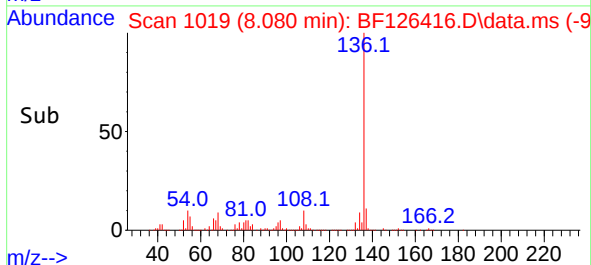
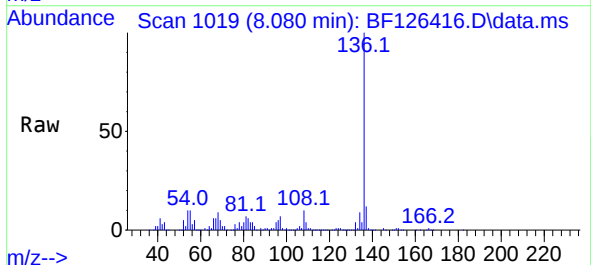
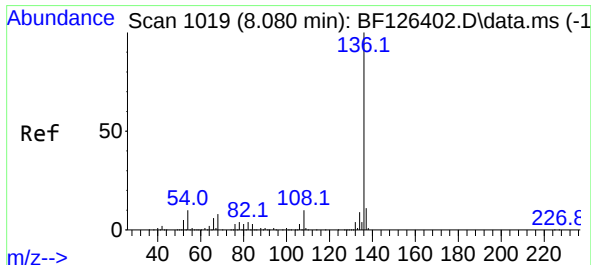
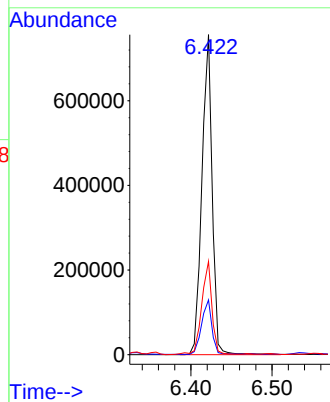
71 29.2 24.3 36.5

Manual Integrations

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.080 min Scan# 1019

Delta R.T. -0.000 min

Lab File: BF126416.D

Acq: 30 Dec 2021 13:11

Tgt Ion:136 Resp: 641171

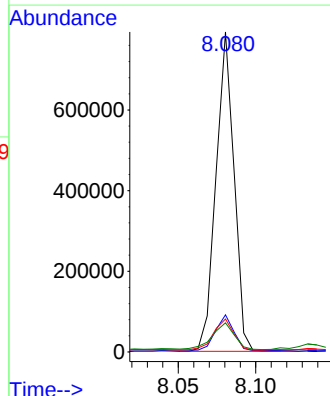
Ion Ratio Lower Upper

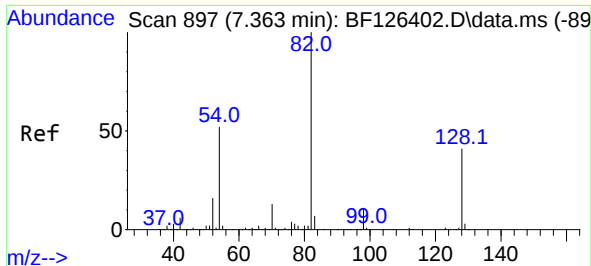
136 100

137 11.6 8.6 13.0

54 10.3 7.8 11.6

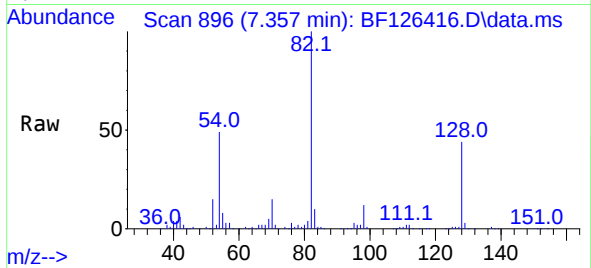
68 9.1 6.3 9.5





#23
Nitrobenzene-d5
Concen: 32.769 ng
RT: 7.357 min Scan# 897
Delta R.T. -0.006 min
Lab File: BF126416.D
Acq: 30 Dec 2021 13:11

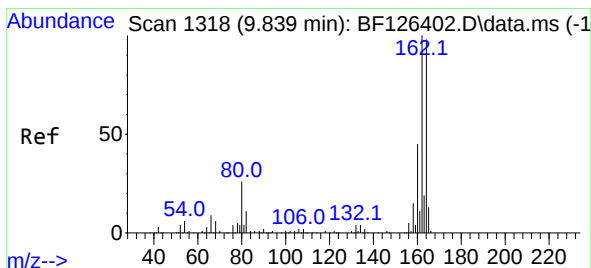
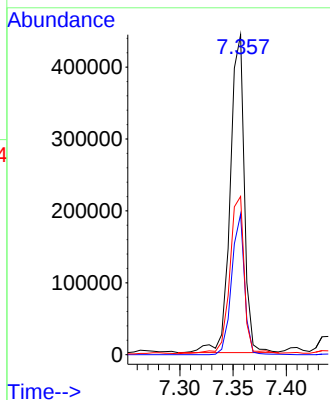
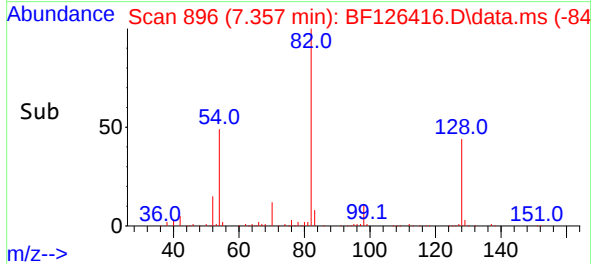
Instrument :
BNA_F
ClientSampleId :
DB-19-(10-15)-12-22-21



Tgt Ion: 82 Resp: 409200
Ion Ratio Lower Upper
82 100
128 43.9 32.7 49.1
54 49.5 41.7 62.5

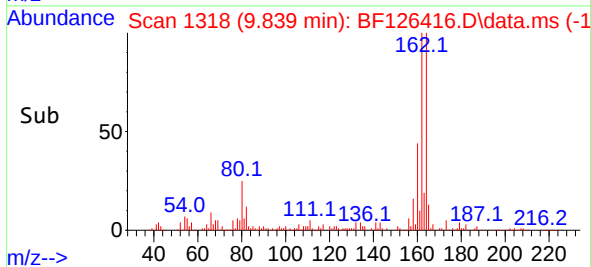
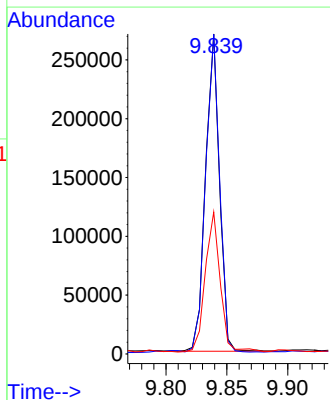
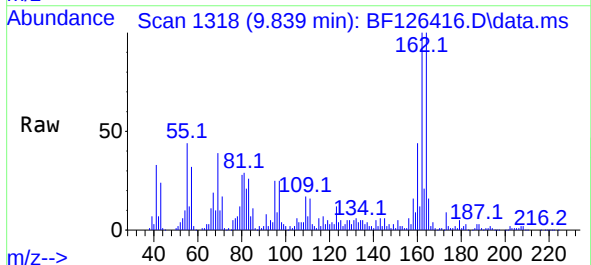
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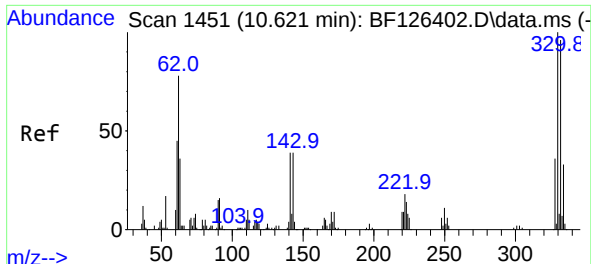
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/31/2021



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1318
Delta R.T. -0.000 min
Lab File: BF126416.D
Acq: 30 Dec 2021 13:11

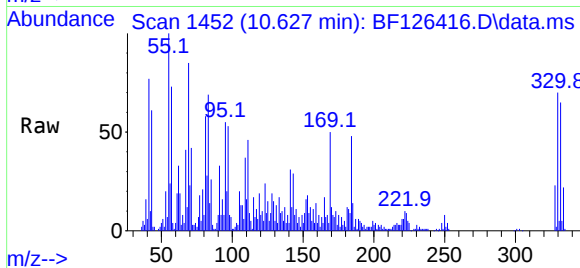
Tgt Ion:164 Resp: 215555
Ion Ratio Lower Upper
164 100
162 99.9 81.4 122.0
160 44.3 36.6 54.8





#42
2,4,6-Tribromophenol
Concen: 38.645 ng
RT: 10.627 min Scan# 1451
Delta R.T. 0.006 min
Lab File: BF126416.D
Acq: 30 Dec 2021 13:11

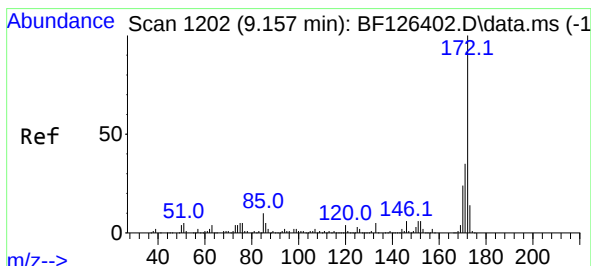
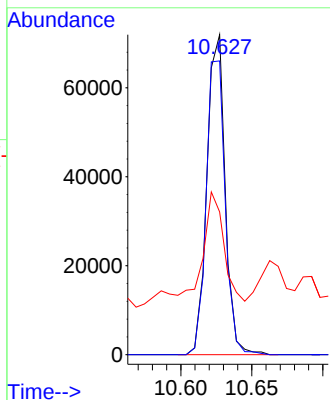
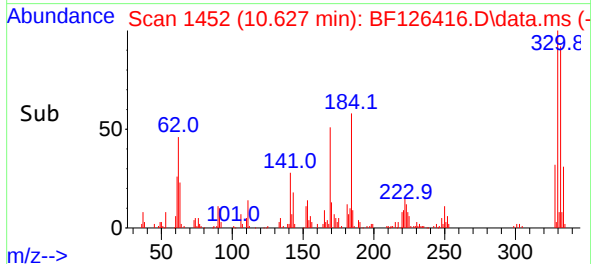
Instrument :
BNA_F
ClientSampleId :
DB-19-(10-15)-12-22-21



Tgt Ion: 330 Resp: 64370
Ion Ratio Lower Upper
330 100
332 96.0 76.0 114.0
141 49.5 30.1 45.1

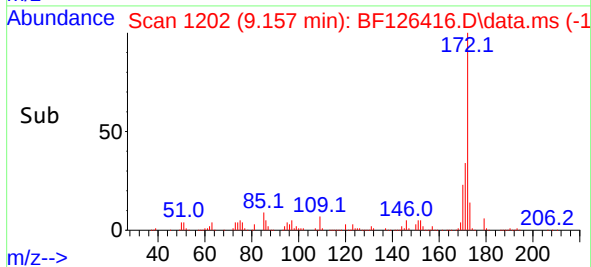
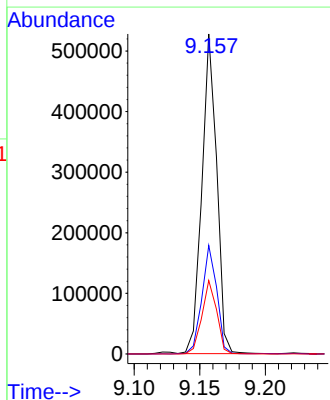
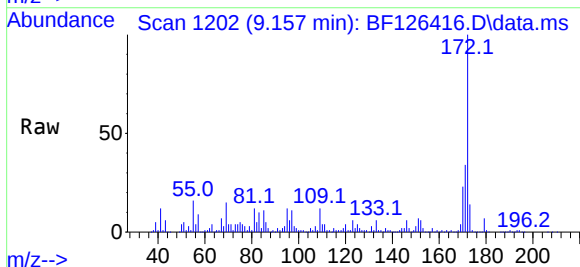
Manual Integrations
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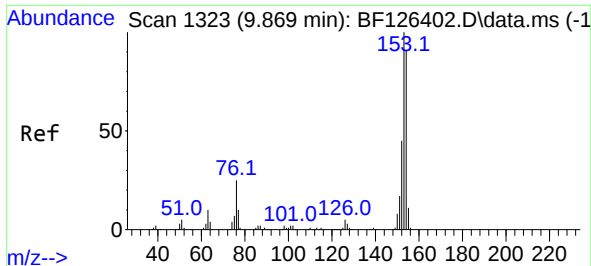
Reviewed By : Jagrut Upadhyay 12/30/2021
Supervised By : mohammad ahmed 12/31/2021



#45
2-Fluorobiphenyl
Concen: 33.911 ng
RT: 9.157 min Scan# 1202
Delta R.T. -0.000 min
Lab File: BF126416.D
Acq: 30 Dec 2021 13:11

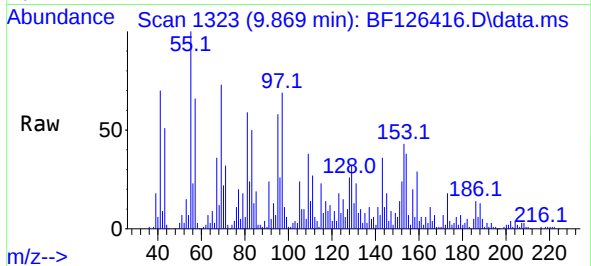
Tgt Ion: 172 Resp: 415387
Ion Ratio Lower Upper
172 100
171 33.9 28.3 42.5
170 22.9 19.0 28.6





#52
Acenaphthene
Concen: 2.586 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.000 min
Lab File: BF126416.D
Acq: 30 Dec 2021 13:11

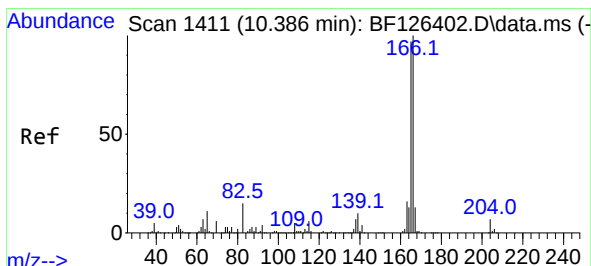
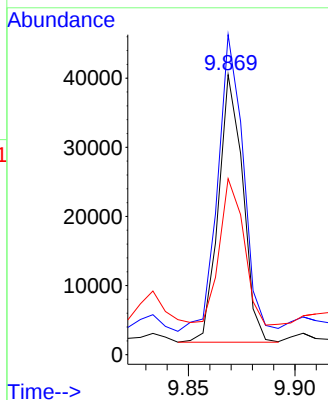
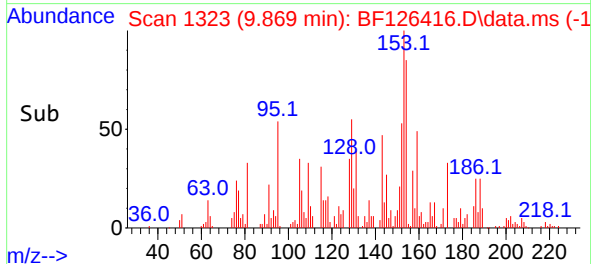
Instrument :
BNA_F
ClientSampleId :
DB-19-(10-15)-12-22-21



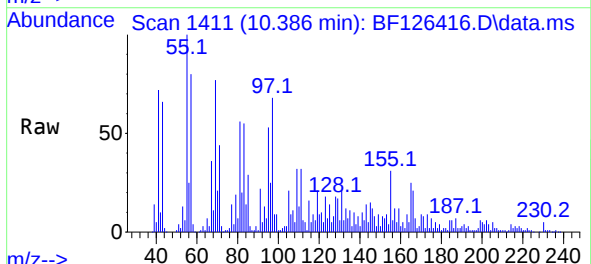
Tgt Ion:154 Resp: 3079
Ion Ratio Lower Upper
154 100
153 114.3 87.8 131.6
152 62.9 39.4 59.2

Manual Integrations
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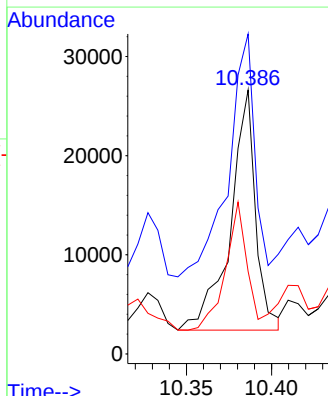
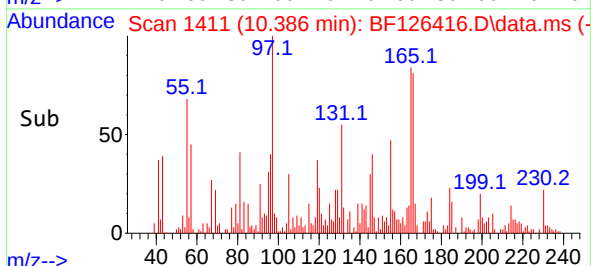
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/31/2021

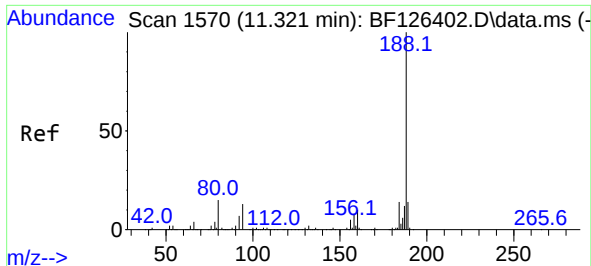


#58
Fluorene
Concen: 2.211 ng
RT: 10.386 min Scan# 1411
Delta R.T. -0.000 min
Lab File: BF126416.D
Acq: 30 Dec 2021 13:11



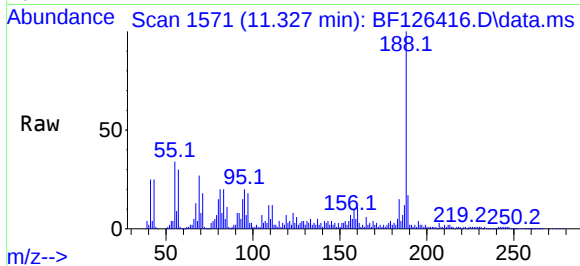
Tgt Ion:166 Resp: 25164
Ion Ratio Lower Upper
166 100
165 121.2 77.7 116.5#
167 31.3 10.7 16.1#





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF126416.D
Acq: 30 Dec 2021 13:11

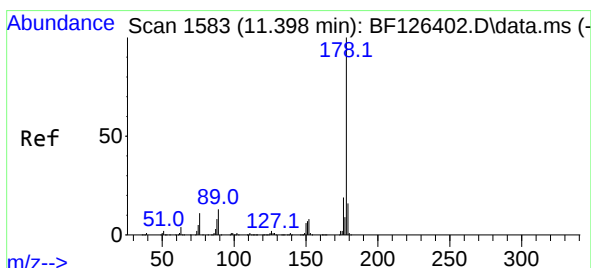
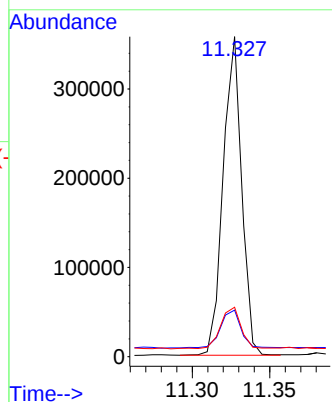
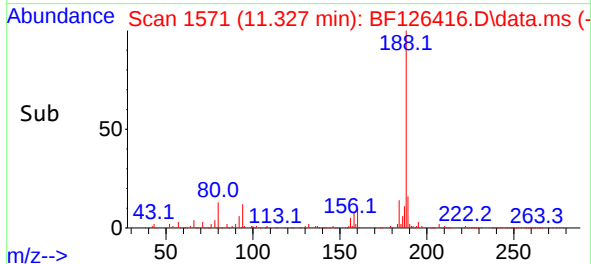
Instrument :
BNA_F
ClientSampleId :
DB-19-(10-15)-12-22-21



Tgt Ion:188 Resp: 29604
Ion Ratio Lower Upper
188 100
94 14.6 10.1 15.1
80 15.5 11.8 17.6

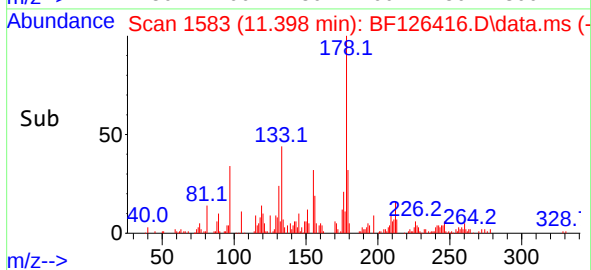
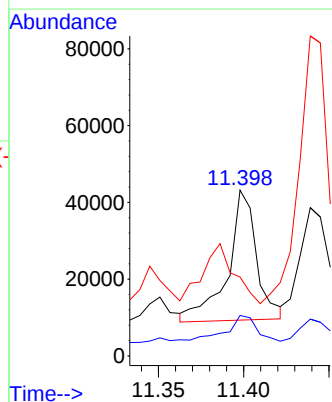
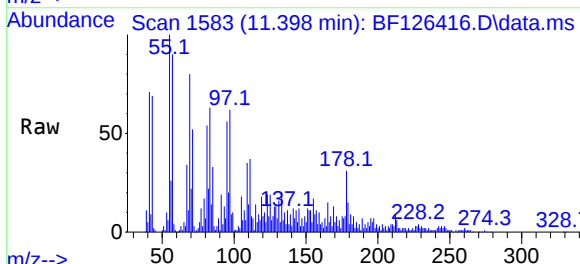
Manual Integrations
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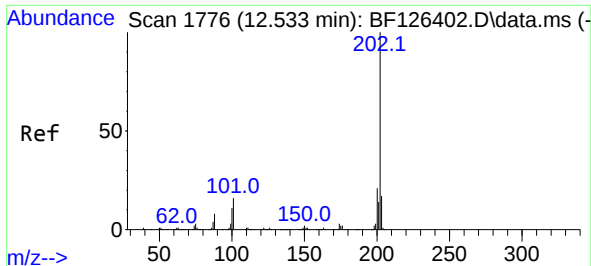
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/31/2021



#72
Anthracene
Concen: 2.619 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BF126416.D
Acq: 30 Dec 2021 13:11

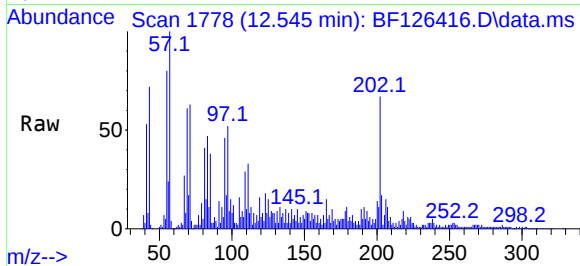
Tgt Ion:178 Resp: 39670
Ion Ratio Lower Upper
178 100
176 24.4 15.0 22.6#
179 47.6 12.5 18.7#





#75
Fluoranthene
Concen: 7.356 ng
RT: 12.545 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF126416.D
Acq: 30 Dec 2021 13:11

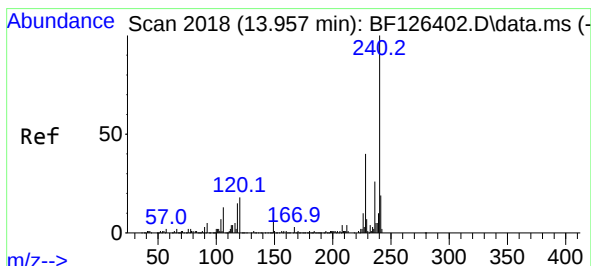
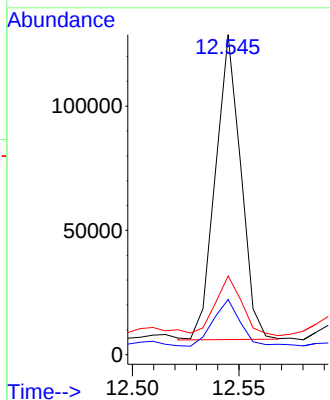
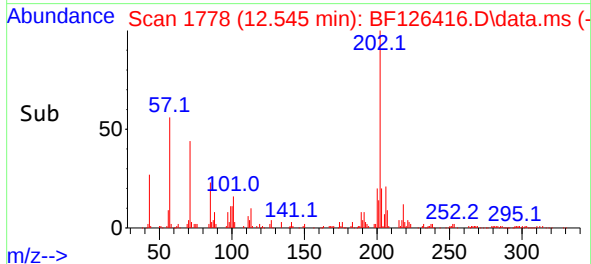
Instrument :
BNA_F
ClientSampleId :
DB-19-(10-15)-12-22-21



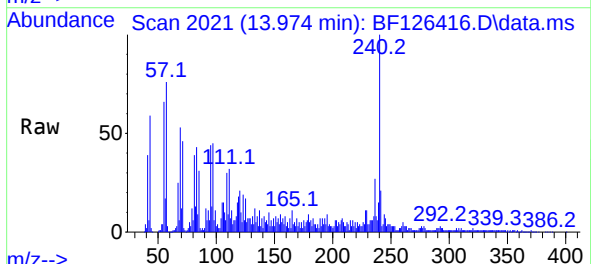
Tgt Ion:202 Resp: 101614
Ion Ratio Lower Upper
202 100
101 17.3 0.0 35.7
203 24.6 0.0 37.1

Manual Integrations
APPROVED

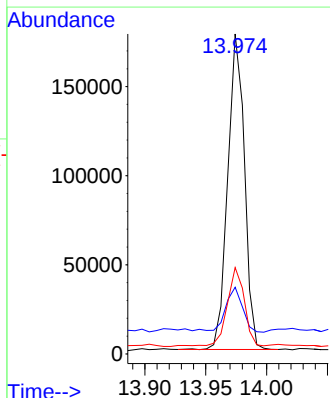
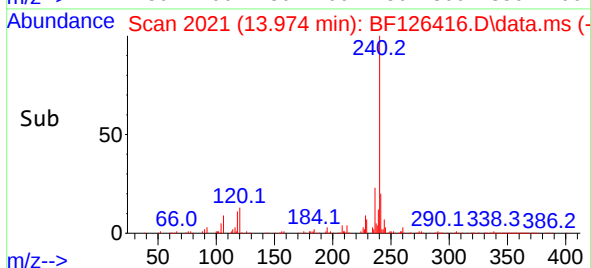
Reviewed By :Jagrut Upadhyay 12/30/2021
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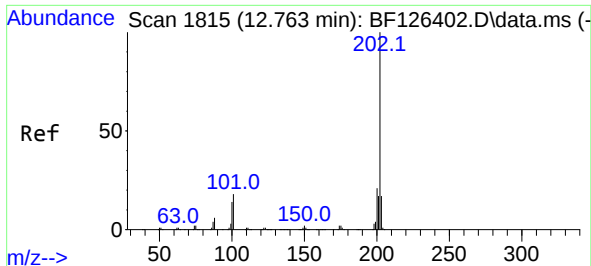


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. 0.018 min
Lab File: BF126416.D
Acq: 30 Dec 2021 13:11



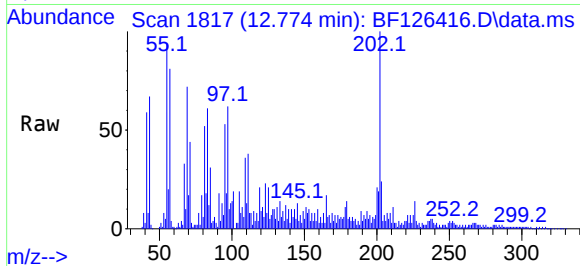
Tgt Ion:240 Resp: 169581
Ion Ratio Lower Upper
240 100
120 20.9 14.4 21.6
236 27.0 20.5 30.7





#78
Pyrene
Concen: 10.239 ng
RT: 12.774 min Scan# 1815
Delta R.T. 0.012 min
Lab File: BF126416.D
Acq: 30 Dec 2021 13:11

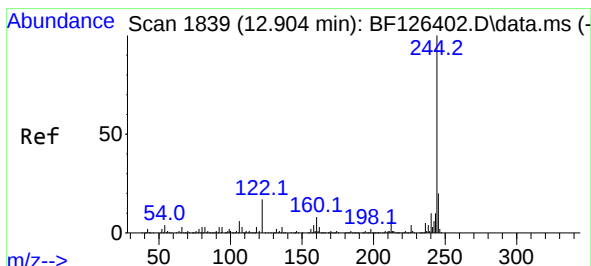
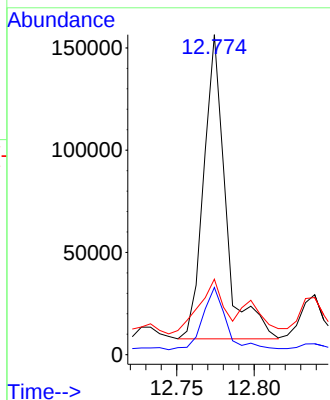
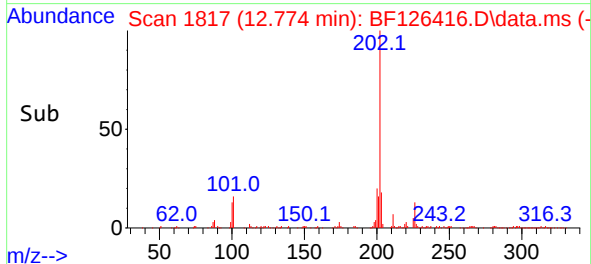
Instrument :
BNA_F
ClientSampleId :
DB-19-(10-15)-12-22-21



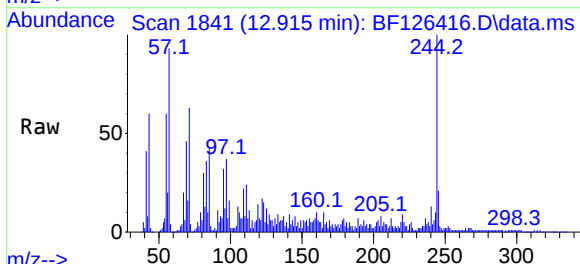
Tgt Ion:202 Resp: 146735
Ion Ratio Lower Upper
202 100
200 21.0 16.6 24.8
203 23.6 13.8 20.8

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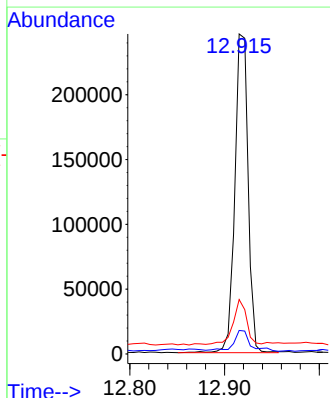
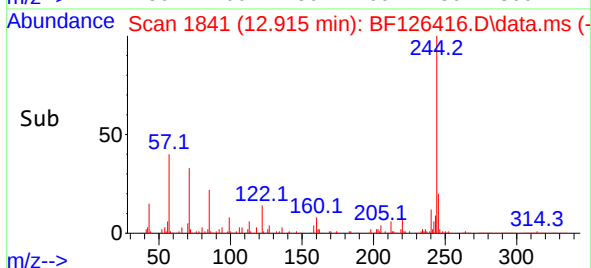
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/31/2021

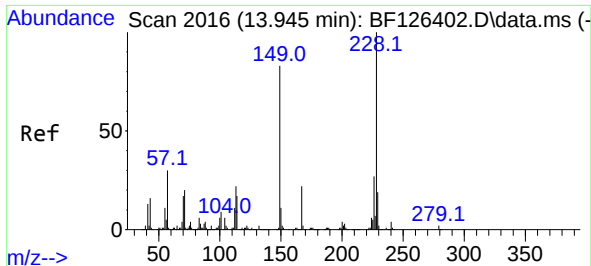


#79
Terphenyl-d14
Concen: 27.366 ng
RT: 12.915 min Scan# 1841
Delta R.T. 0.012 min
Lab File: BF126416.D
Acq: 30 Dec 2021 13:11



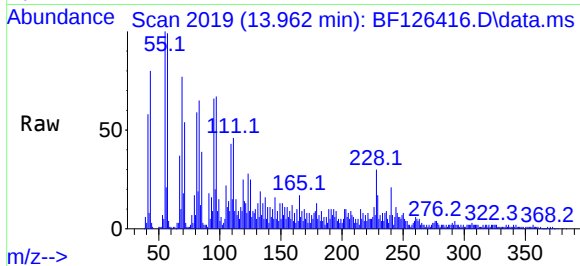
Tgt Ion:244 Resp: 238856
Ion Ratio Lower Upper
244 100
212 7.4 5.0 7.4
122 17.0 13.3 19.9





#81
Benzo(a)anthracene
Concen: 3.988 ng
RT: 13.962 min Scan# 2016
Delta R.T. 0.018 min
Lab File: BF126416.D
Acq: 30 Dec 2021 13:11

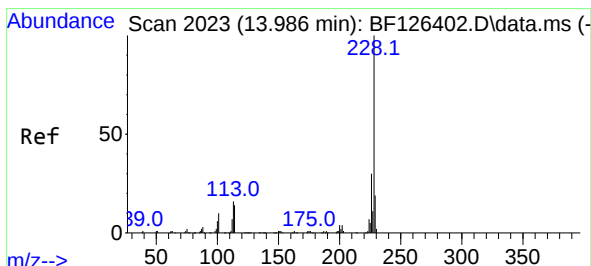
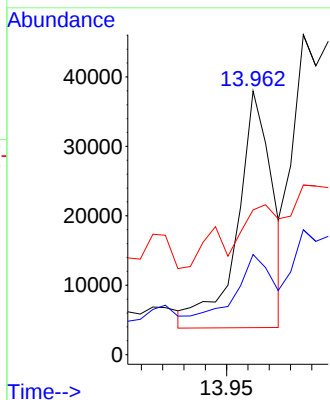
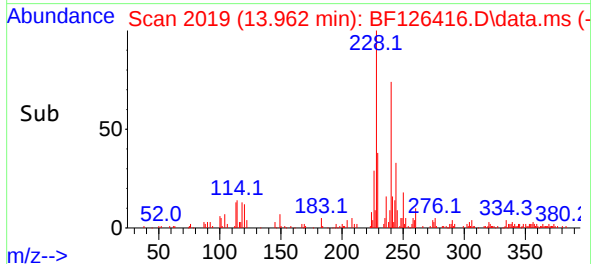
Instrument :
BNA_F
ClientSampleId :
DB-19-(10-15)-12-22-21



Tgt Ion:228 Resp: 3888
Ion Ratio Lower Upper
228 100
226 38.0 21.4 32.0
229 54.9 15.4 23.2

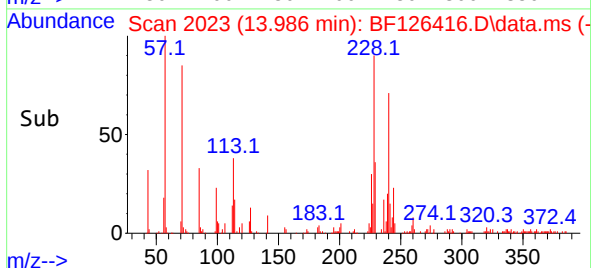
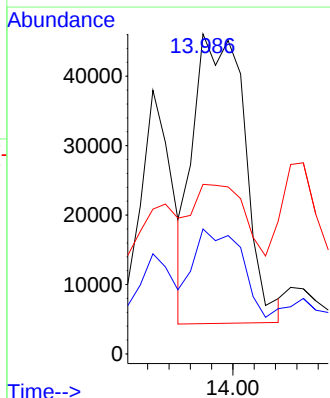
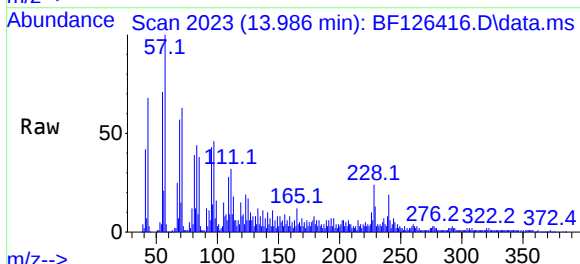
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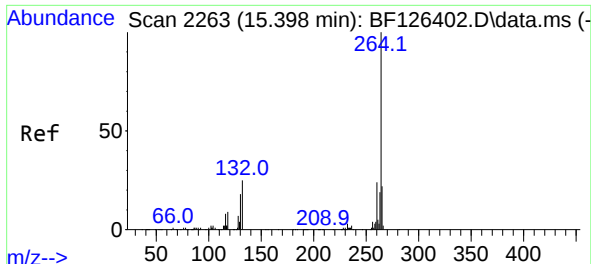
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/31/2021



#83
Chrysene
Concen: 6.943 ng
RT: 13.986 min Scan# 2023
Delta R.T. -0.000 min
Lab File: BF126416.D
Acq: 30 Dec 2021 13:11

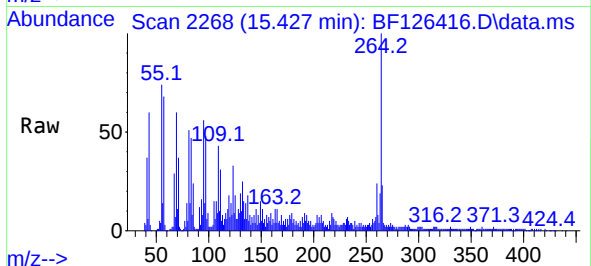
Tgt Ion:228 Resp: 69453
Ion Ratio Lower Upper
228 100
226 39.0 23.7 35.5#
229 53.0 15.5 23.3#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 2196
Delta R.T. 0.029 min
Lab File: BF126416.D
Acq: 30 Dec 2021 13:11

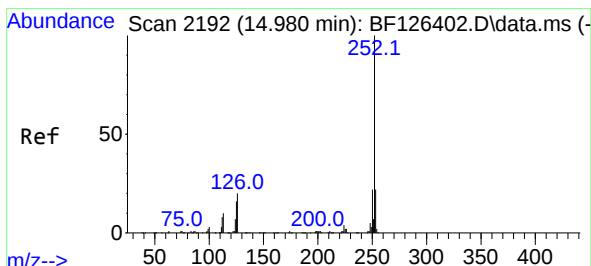
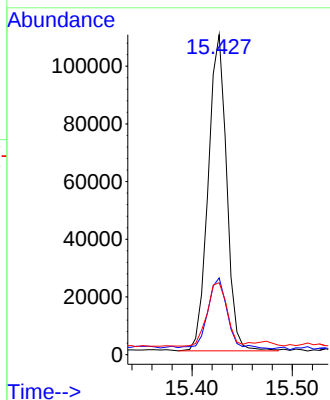
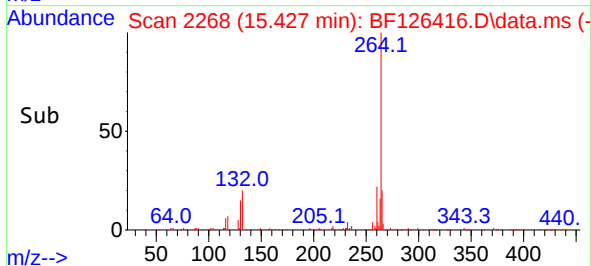
Instrument :
BNA_F
ClientSampleId :
DB-19-(10-15)-12-22-21



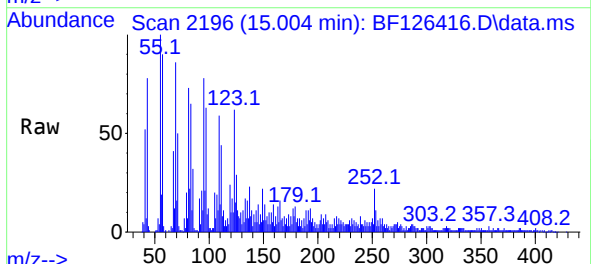
Tgt Ion:264 Resp: 139984
Ion Ratio Lower Upper
264 100
260 24.0 19.2 28.8
265 22.5 17.4 26.2

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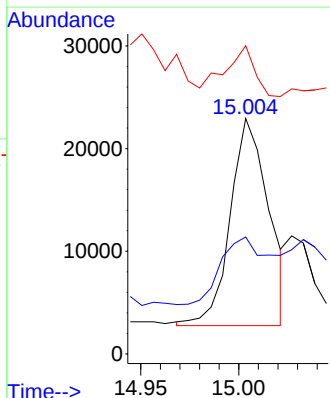
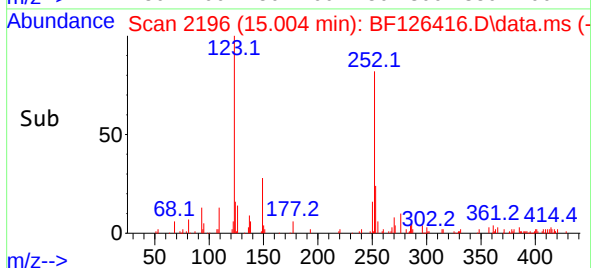
Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/31/2021

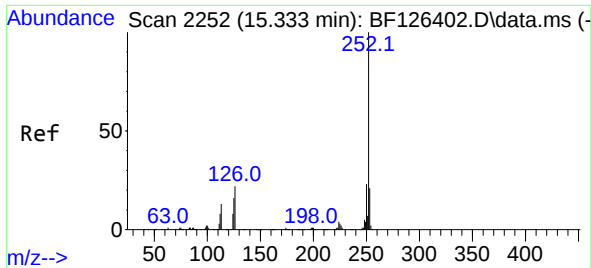


#88
Benzo(b)fluoranthene
Concen: 3.298 ng m
RT: 15.004 min Scan# 2196
Delta R.T. 0.024 min
Lab File: BF126416.D
Acq: 30 Dec 2021 13:11



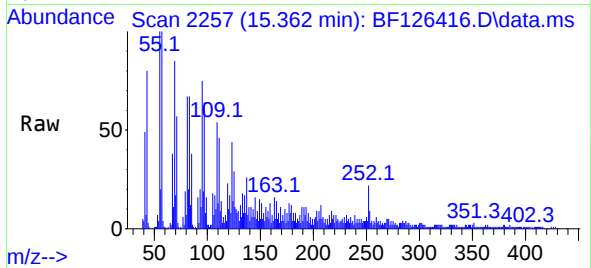
Tgt Ion:252 Resp: 27505
Ion Ratio Lower Upper
252 100
253 49.6 17.8 26.8#
125 130.9 12.4 18.6#





#90
Benzo(a)pyrene
Concen: 2.939 ng
RT: 15.362 min Scan# 21
Delta R.T. 0.029 min
Lab File: BF126416.D
Acq: 30 Dec 2021 13:11

Instrument :
BNA_F
ClientSampleId :
DB-19-(10-15)-12-22-21



Tgt Ion:252 Resp: 20548

Ion	Ratio	Lower	Upper
252	100		
253	40.4	17.1	25.7
125	131.5	13.0	19.6

Manual Integrations
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Reviewed By :Jagrut Upadhyay 12/30/2021
Supervised By :mohammad ahmed 12/31/2021

