

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111121\
 Data File : BF126143.D
 Acq On : 12 Nov 2021 00:39
 Operator : JU/CG
 Sample : M4574-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VWE-B6-110521-10-20

Quant Time: Nov 12 09:45:30 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 03 17:21:25 2021
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 11/12/2021
 Supervised By :mohammad ahmed 11/17/2021

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.839	152	152893	20.000	ng	-0.02
21) Naphthalene-d8	8.127	136	552717	20.000	ng	-0.01
39) Acenaphthene-d10	9.880	164	289232	20.000	ng	-0.01
64) Phenanthrene-d10	11.363	188	470849	20.000	ng	-0.01
76) Chrysene-d12	14.004	240	392320	20.000	ng	# 0.00
86) Perylene-d12	15.468	264	237176	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	1000538	112.379	ng	0.00
7) Phenol-d6	6.475	99	1269971	101.188	ng	-0.01
23) Nitrobenzene-d5	7.404	82	929734	79.329	ng	-0.02
42) 2,4,6-Tribromophenol	10.669	330	347381	104.803	ng	-0.01
45) 2-Fluorobiphenyl	9.204	172	1709166	79.856	ng	-0.01
79) Terphenyl-d14	12.951	244	1696601	69.735	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.386	178	173608	6.799	ng	99
75) Fluoranthene	12.574	202	194394	6.837	ng	97
78) Pyrene	12.804	202	154342	4.906	ng	96
81) Benzo(a)anthracene	13.992	228	72379	2.686	ng	# 91
83) Chrysene	14.027	228	61507	2.453	ng	94
88) Benzo(b)fluoranthene	15.045	252	54937m	3.561	ng	
90) Benzo(a)pyrene	15.403	252	33422	2.750	ng	# 90
92) Benzo(g,h,i)perylene	17.362	276	26151	2.365	ng	# 82

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

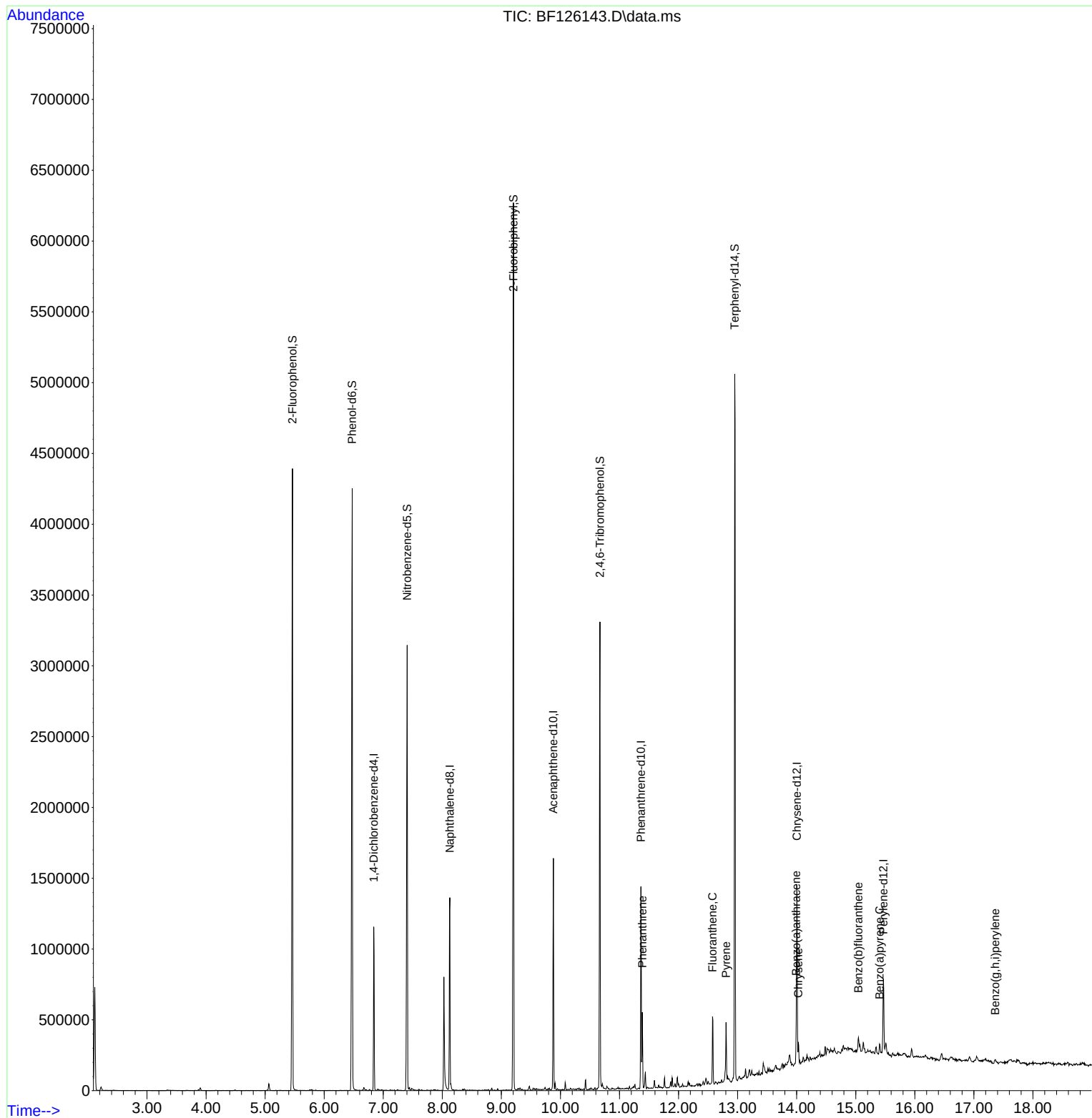
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111121\
Data File : BF126143.D
Acq On : 12 Nov 2021 00:39
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Sample : M4574-02
Misc :
ALS Vial : 19 Sample Multiplier: 1

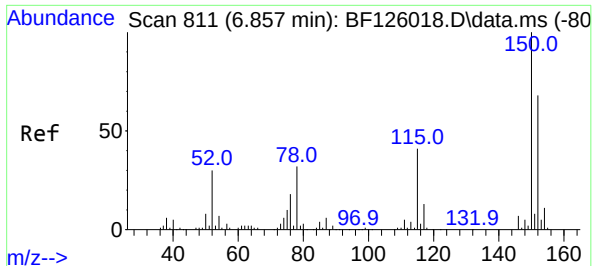
Instrument :
BNA_F
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VWE-B6-110521-10-20

Quant Time: Nov 12 09:45:30 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 03 17:21:25 2021
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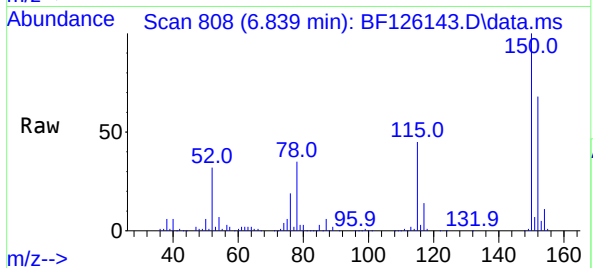
Reviewed By :Jagrut Upadhyay 11/12/2021
Supervised By :mohammad ahmed 11/17/2021





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.839 min Scan# 808
Delta R.T. -0.018 min
Lab File: BF126143.D
Acq: 12 Nov 2021 00:39

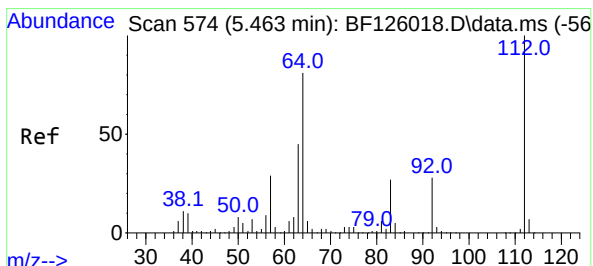
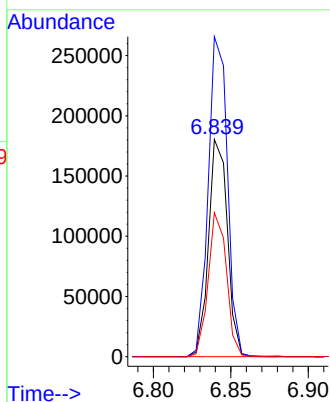
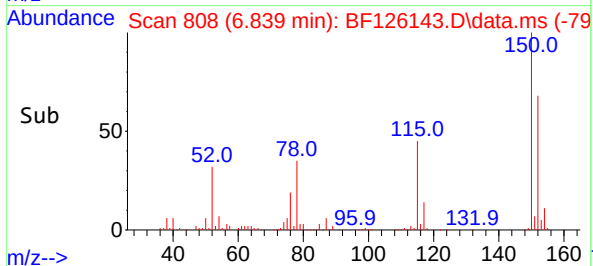
Instrument :
BNA_F
ClientSampleId :
VWE-B6-110521-10-20



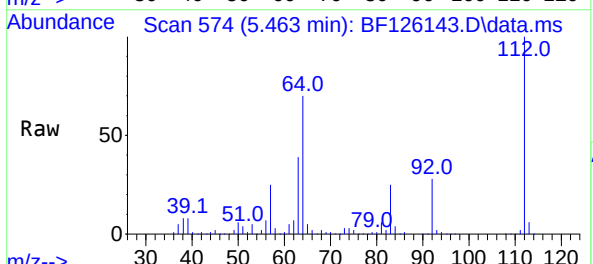
Tgt Ion:152 Resp: 15289
Ion Ratio Lower Upper
152 100
150 147.2 117.6 176.4
115 66.3 47.1 70.7

Manual Integrations
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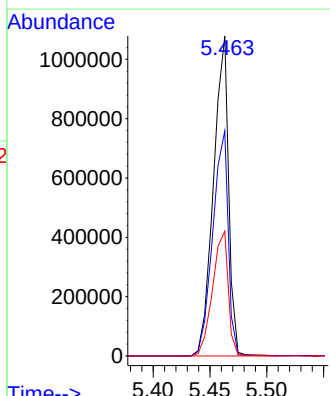
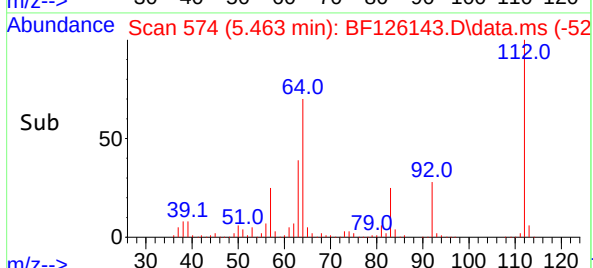
Reviewed By :Jagrut Upadhyay 11/12/2021
Supervised By :mohammad ahmed 11/17/2021

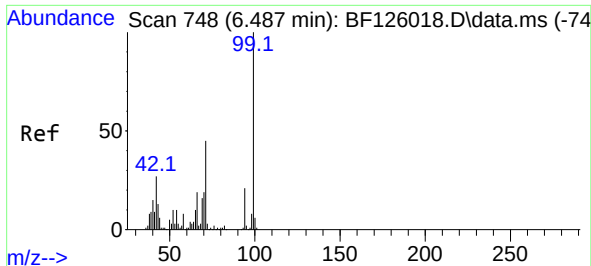


#5
2-Fluorophenol
Concen: 112.379 ng
RT: 5.463 min Scan# 574
Delta R.T. -0.000 min
Lab File: BF126143.D
Acq: 12 Nov 2021 00:39



Tgt Ion:112 Resp: 1000538
Ion Ratio Lower Upper
112 100
64 70.3 44.2 66.2#
63 39.0 26.2 39.2





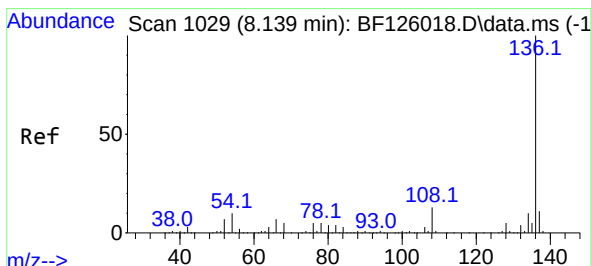
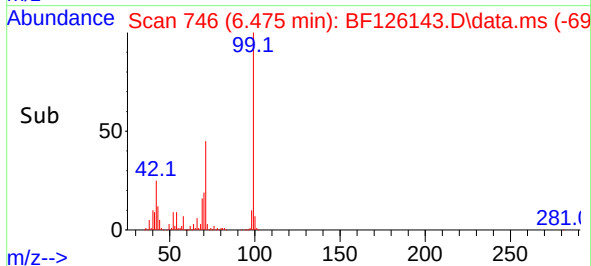
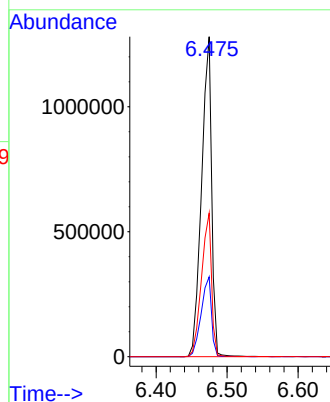
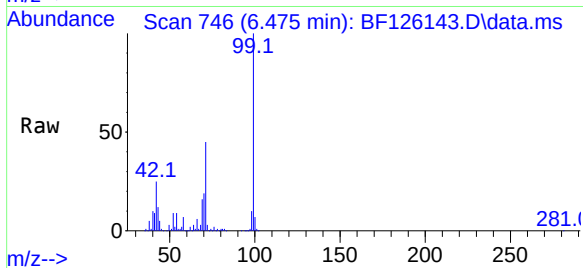
#7
Phenol-d6
Concen: 101.188 ng
RT: 6.475 min Scan# 748
Delta R.T. -0.012 min
Lab File: BF126143.D
Acq: 12 Nov 2021 00:39

Instrument :
BNA_F
ClientSampleId :
VWE-B6-110521-10-20

Tgt Ion: 99 Resp: 126997
Ion Ratio Lower Upper
99 100
42 25.0 23.5 35.3
71 44.8 25.6 38.4

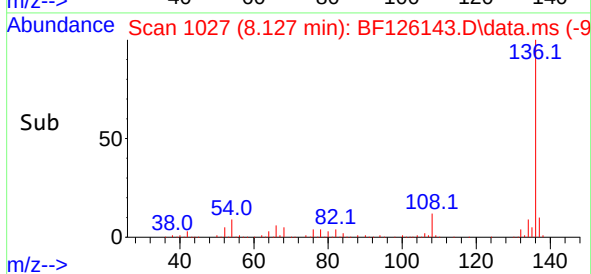
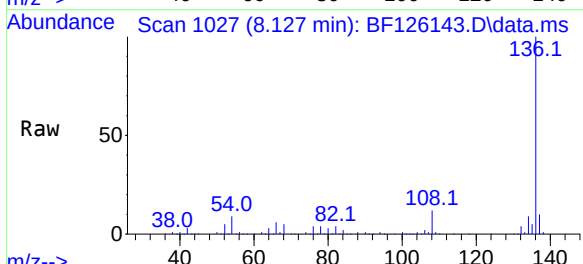
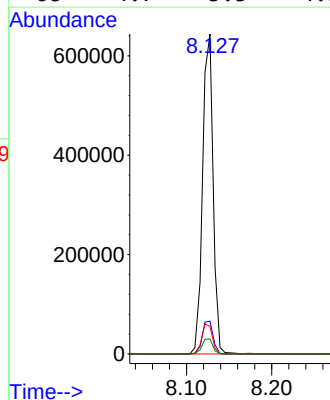
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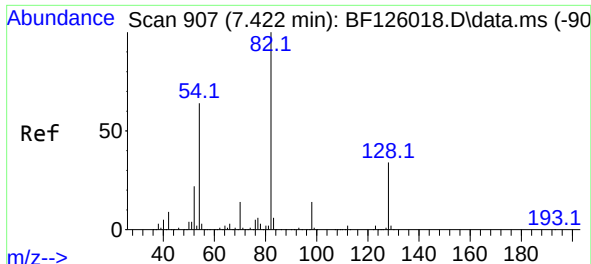
Reviewed By :Jagrut Upadhyay 11/12/2021
Supervised By :mohammad ahmed 11/17/2021



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.127 min Scan# 1027
Delta R.T. -0.011 min
Lab File: BF126143.D
Acq: 12 Nov 2021 00:39

Tgt Ion:136 Resp: 552717
Ion Ratio Lower Upper
136 100
137 10.3 9.8 14.6
54 8.6 6.4 9.6
68 4.7 3.3 4.9





#23

Nitrobenzene-d5

Concen: 79.329 ng

RT: 7.404 min Scan# 907

Delta R.T. -0.018 min

Lab File: BF126143.D

Acq: 12 Nov 2021 00:39

Instrument :

BNA_F

ClientSampleId :

VWE-B6-110521-10-20

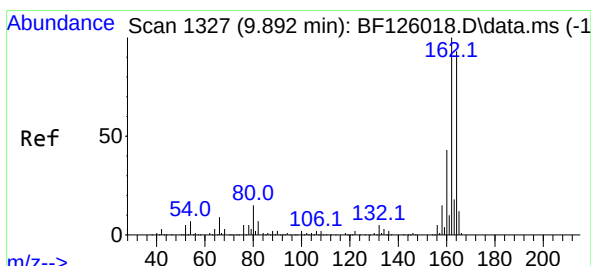
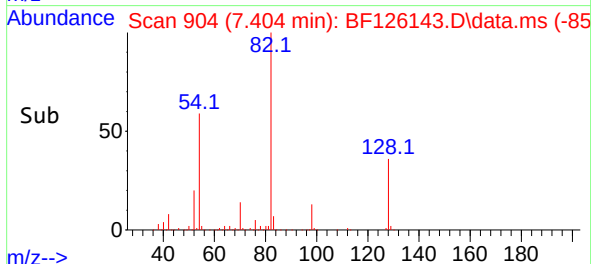
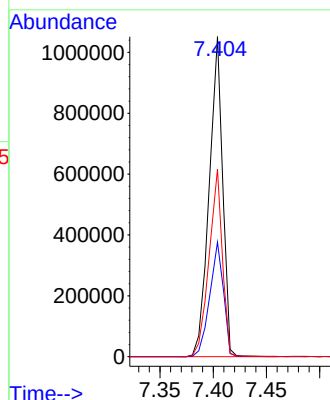
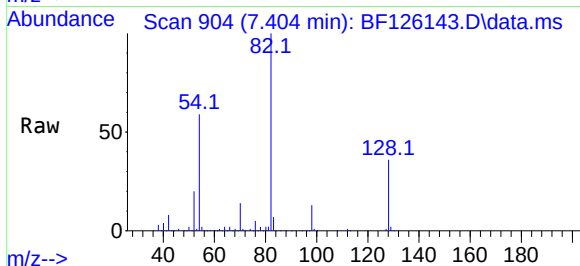
Tgt Ion: 82 Resp: 929734

Ion	Ratio	Lower	Upper
82	100		
128	35.8	40.6	60.8
54	58.6	49.6	74.4

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.880 min Scan# 1325

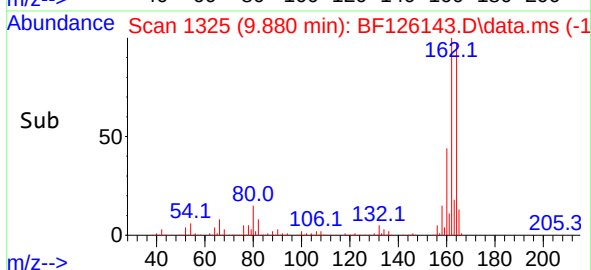
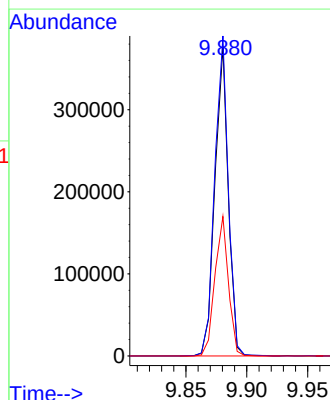
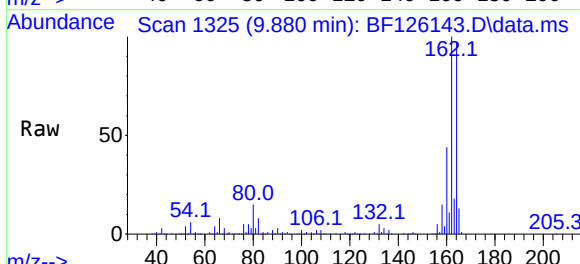
Delta R.T. -0.012 min

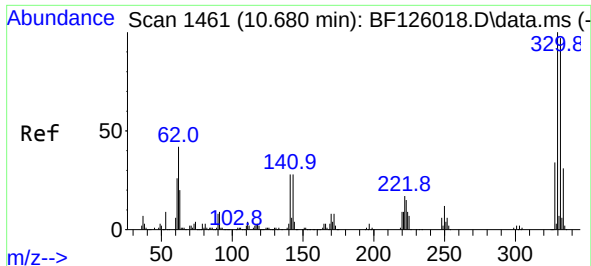
Lab File: BF126143.D

Acq: 12 Nov 2021 00:39

Tgt Ion:164 Resp: 289232

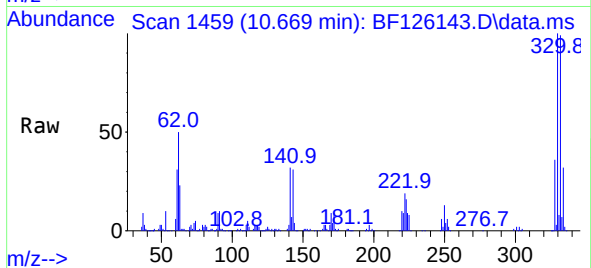
Ion	Ratio	Lower	Upper
164	100		
162	103.4	81.3	121.9
160	45.1	38.0	57.0





#42
2,4,6-Tribromophenol
Concen: 104.803 ng
RT: 10.669 min Scan# 1461
Delta R.T. -0.012 min
Lab File: BF126143.D
Acq: 12 Nov 2021 00:39

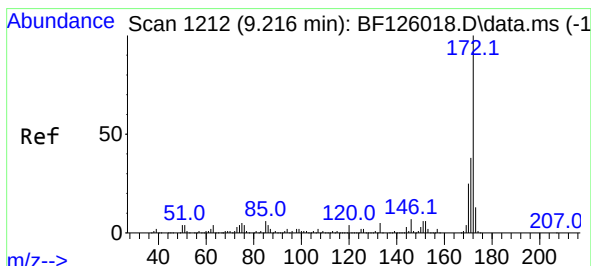
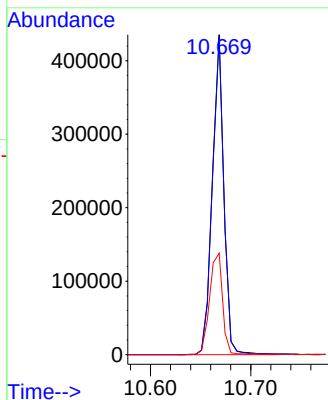
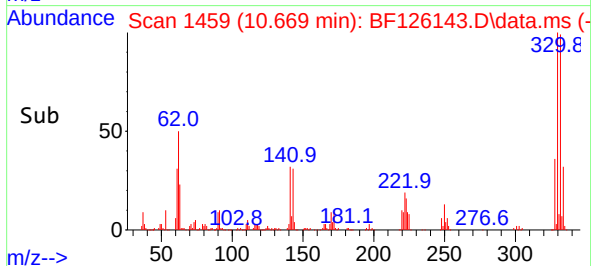
Instrument :
BNA_F
ClientSampleId :
VWE-B6-110521-10-20



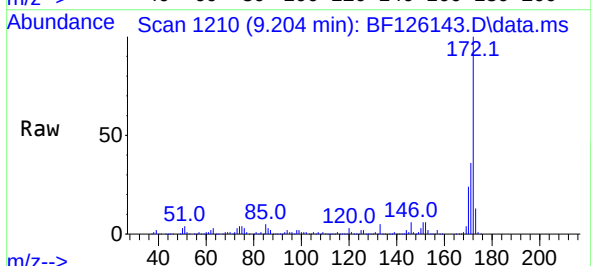
Tgt Ion:330 Resp: 34738
Ion Ratio Lower Upper
330 100
332 98.9 76.2 114.4
141 36.2 44.6 66.8

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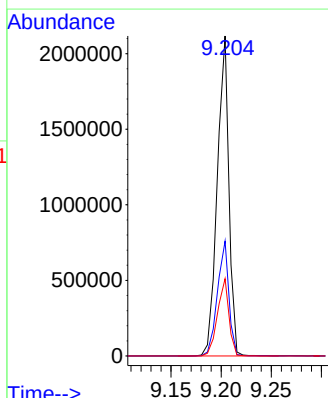
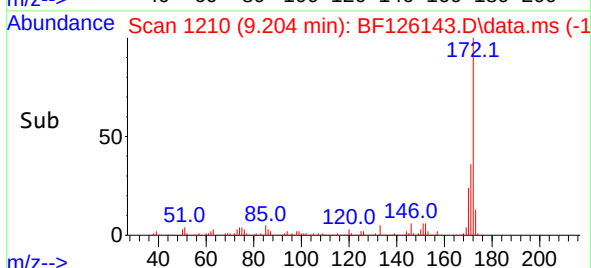
Reviewed By :Jagrut Upadhyay 11/12/2021
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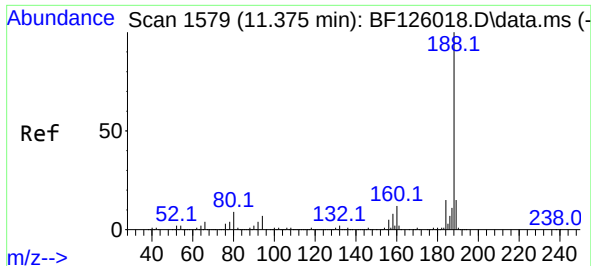


#45
2-Fluorobiphenyl
Concen: 79.856 ng
RT: 9.204 min Scan# 1210
Delta R.T. -0.012 min
Lab File: BF126143.D
Acq: 12 Nov 2021 00:39



Tgt Ion:172 Resp: 1709166
Ion Ratio Lower Upper
172 100
171 35.9 26.5 39.7
170 24.1 18.8 28.2





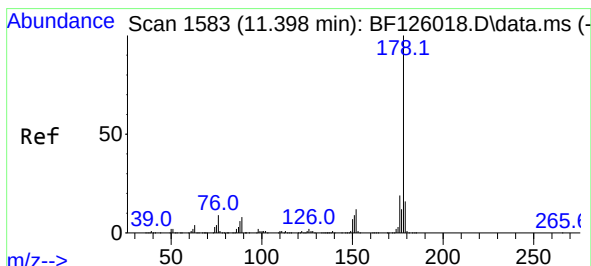
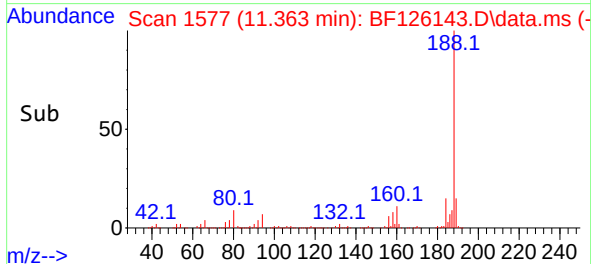
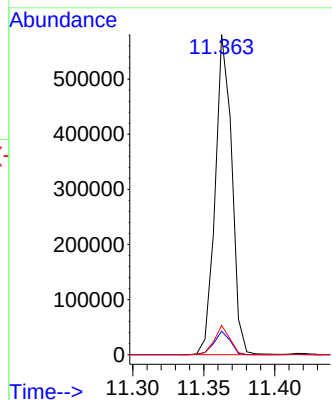
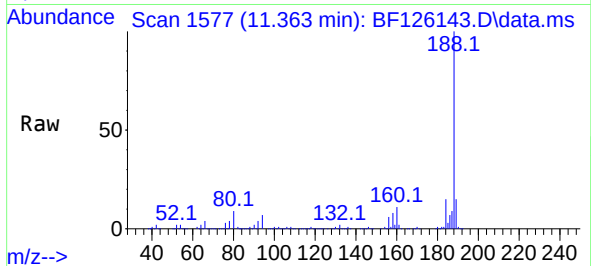
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1579
Delta R.T. -0.012 min
Lab File: BF126143.D
Acq: 12 Nov 2021 00:39

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ClientSampleId :
VWE-B6-110521-10-20

Tgt Ion:188 Resp: 470849
Ion Ratio Lower Upper
188 100
94 7.3 6.7 10.1
80 9.2 7.5 11.3

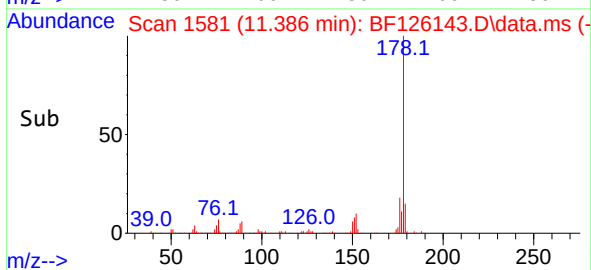
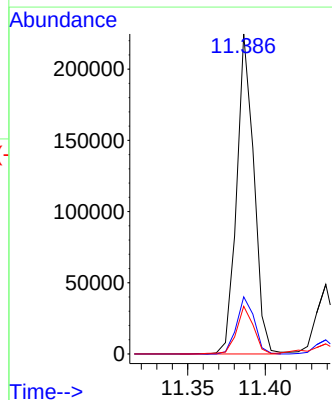
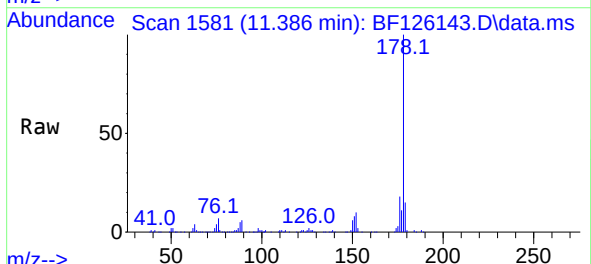
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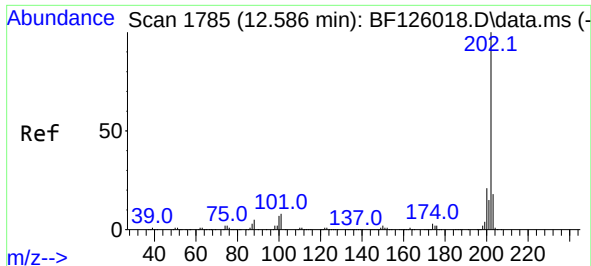
Reviewed By :Jagrut Upadhyay 11/12/2021
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#71
Phenanthrene
Concen: 6.799 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF126143.D
Acq: 12 Nov 2021 00:39

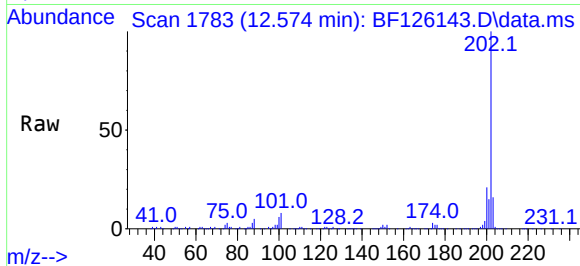
Tgt Ion:178 Resp: 173608
Ion Ratio Lower Upper
178 100
176 17.9 14.7 22.1
179 14.9 11.5 17.3





#75
Fluoranthene
Concen: 6.837 ng
RT: 12.574 min Scan# 1783
Delta R.T. -0.012 min
Lab File: BF126143.D
Acq: 12 Nov 2021 00:39

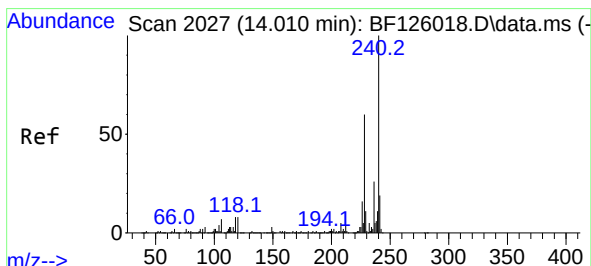
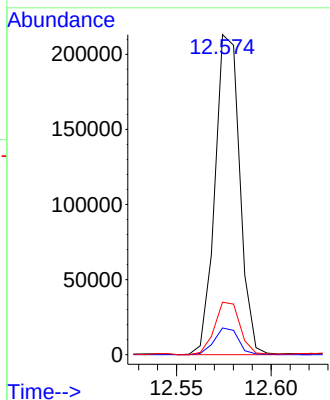
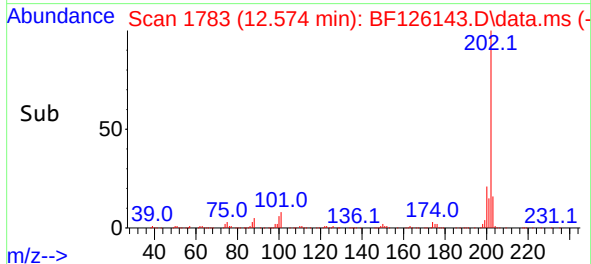
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Tgt Ion:202 Resp: 194394
Ion Ratio Lower Upper
202 100
101 8.3 0.0 30.7
203 16.4 0.0 36.3

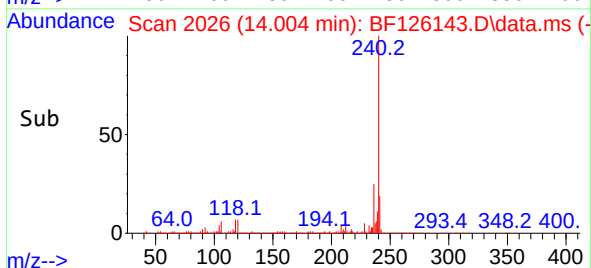
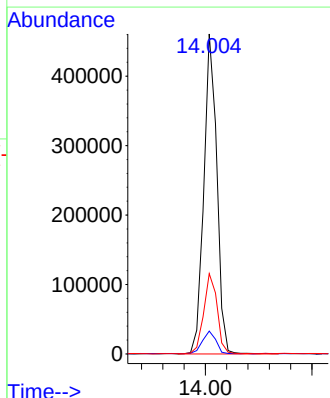
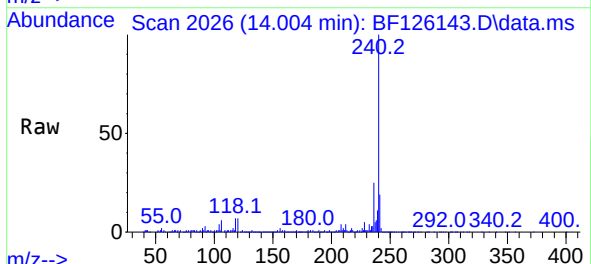
Manual Integrations
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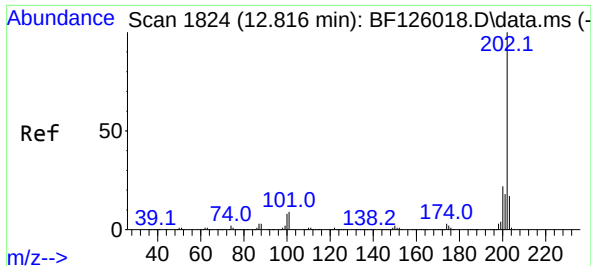
Reviewed By :Jagrut Upadhyay 11/12/2021
Supervised By :mohammad ahmed 11/17/2021



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.004 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF126143.D
Acq: 12 Nov 2021 00:39

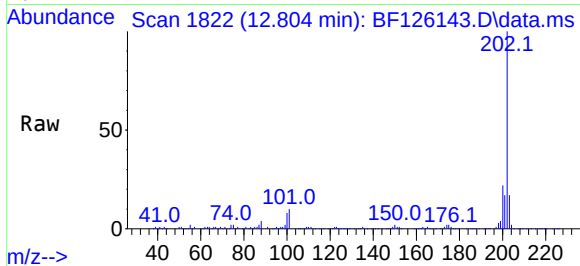
Tgt Ion:240 Resp: 392320
Ion Ratio Lower Upper
240 100
120 7.1 10.8 16.2#
236 25.1 21.6 32.4





#78
Pyrene
Concen: 4.906 ng
RT: 12.804 min Scan# 1822
Delta R.T. -0.012 min
Lab File: BF126143.D
Acq: 12 Nov 2021 00:39

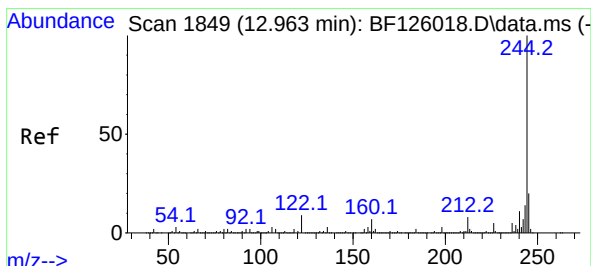
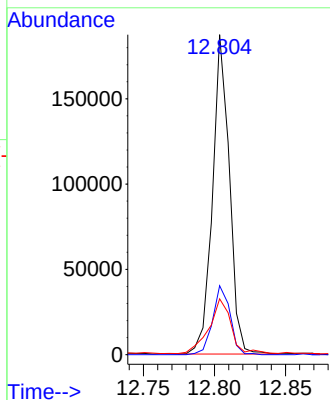
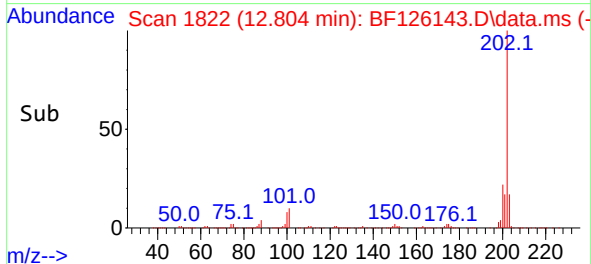
Instrument :
BNA_F
ClientSampleId :
VWE-B6-110521-10-20



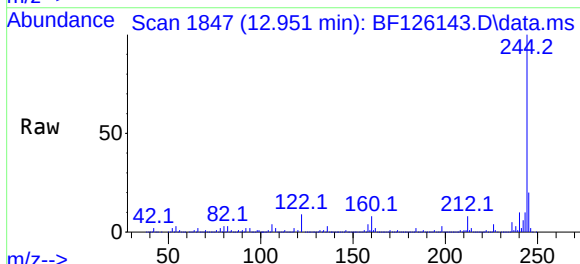
Tgt Ion:202 Resp: 15434
Ion Ratio Lower Upper
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200 21.6 15.3 22.9
203 17.5 13.4 20.0

Manual Integrations
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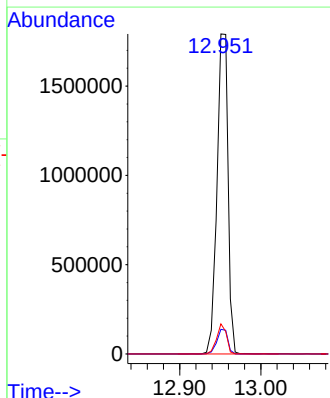
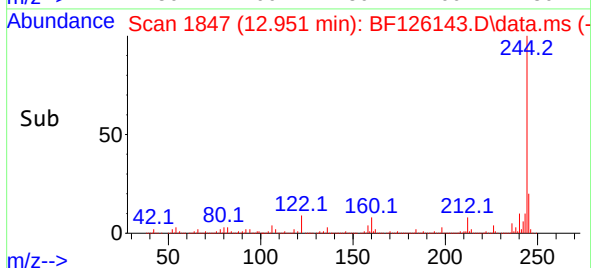
Reviewed By :Jagrut Upadhyay 11/12/2021
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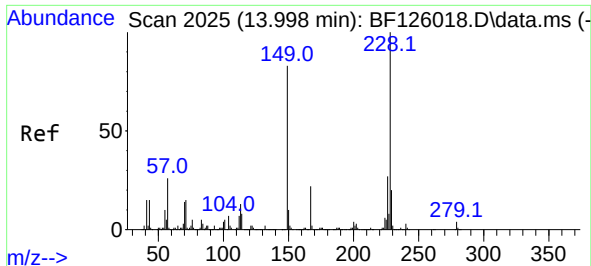


#79
Terphenyl-d14
Concen: 69.735 ng
RT: 12.951 min Scan# 1847
Delta R.T. -0.012 min
Lab File: BF126143.D
Acq: 12 Nov 2021 00:39



Tgt Ion:244 Resp: 1696601
Ion Ratio Lower Upper
244 100
212 7.7 5.9 8.9
122 9.4 9.0 13.4





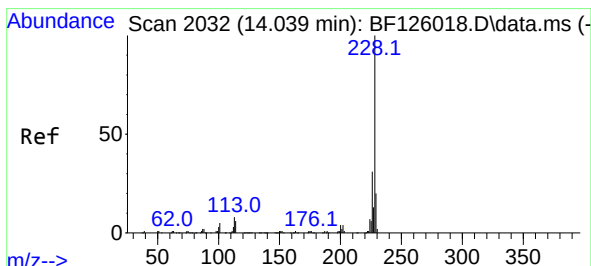
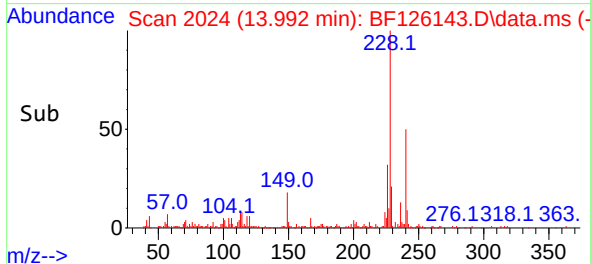
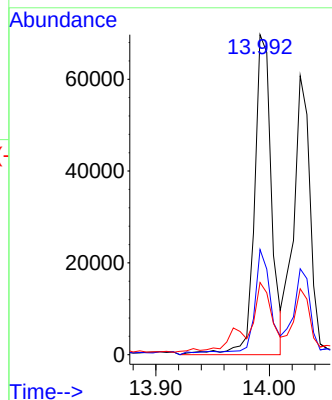
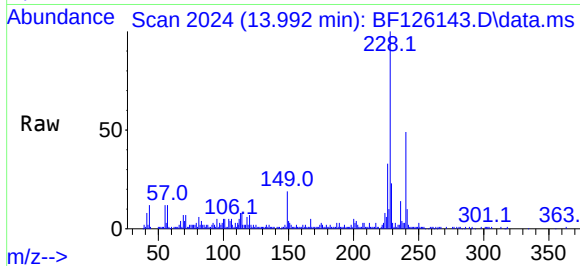
#81
Benzo(a)anthracene
Concen: 2.686 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF126143.D
Acq: 12 Nov 2021 00:39

Instrument :
BNA_F
ClientSampleId :
VWE-B6-110521-10-20

Tgt Ion:228 Resp: 72379
Ion Ratio Lower Upper
228 100
226 32.8 21.6 32.4
229 22.5 15.6 23.4

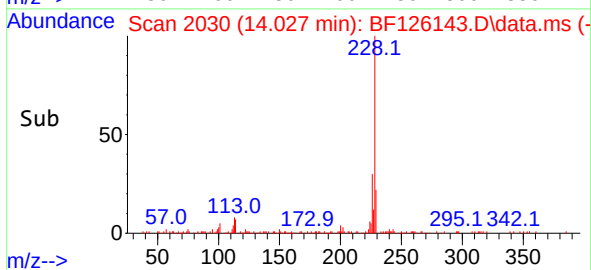
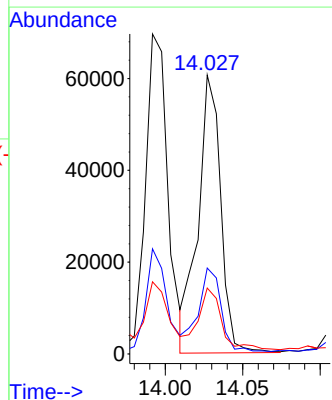
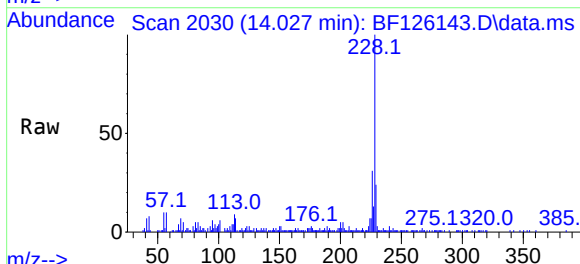
Manual Integrations
APPROVED

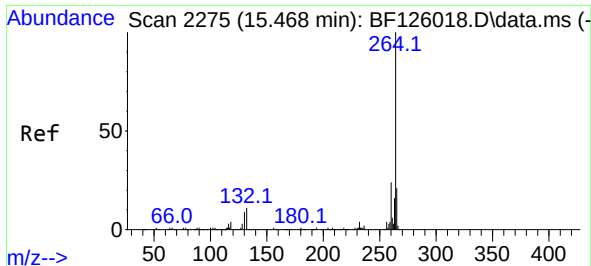
Reviewed By :Jagrut Upadhyay 11/12/2021
Supervised By :mohammad ahmed 11/17/2021



#83
Chrysene
Concen: 2.453 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.012 min
Lab File: BF126143.D
Acq: 12 Nov 2021 00:39

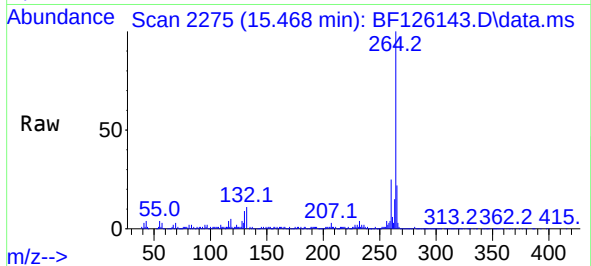
Tgt Ion:228 Resp: 61507
Ion Ratio Lower Upper
228 100
226 30.8 22.6 34.0
229 23.6 15.9 23.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 2275
Delta R.T. 0.000 min
Lab File: BF126143.D
Acq: 12 Nov 2021 00:39

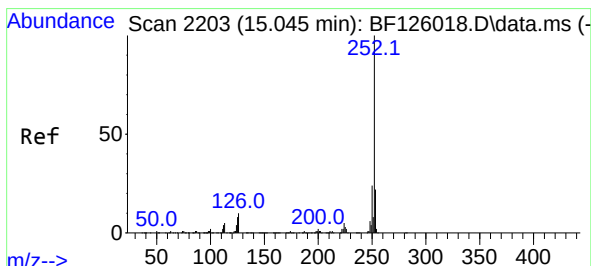
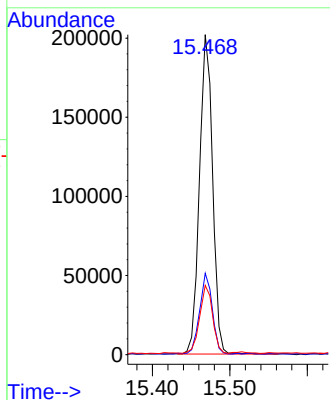
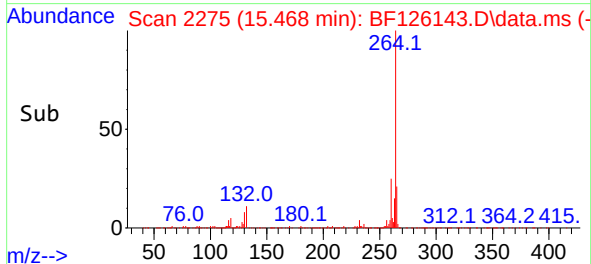
Instrument :
BNA_F
ClientSampleId :
VWE-B6-110521-10-20



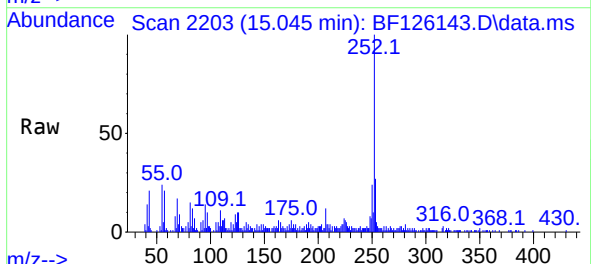
Tgt Ion:264 Resp: 237170
Ion Ratio Lower Upper
264 100
260 25.4 19.6 29.4
265 21.6 17.2 25.8

Manual Integrations
APPROVED

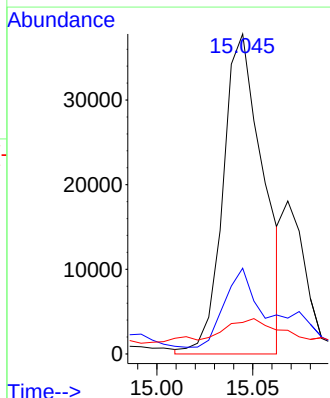
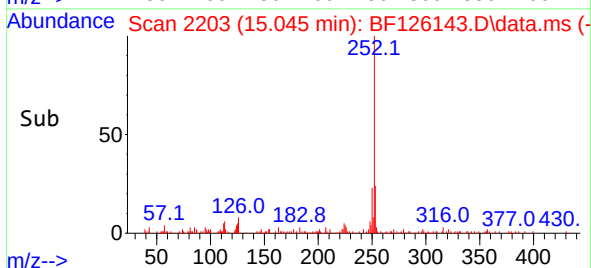
Reviewed By :Jagrut Upadhyay 11/12/2021
Supervised By :mohammad ahmed 11/17/2021

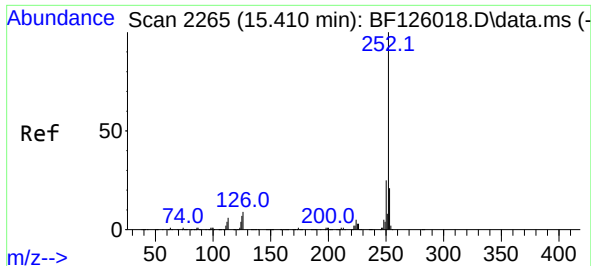


#88
Benzo(b)fluoranthene
Concen: 3.561 ng m
RT: 15.045 min Scan# 2203
Delta R.T. -0.000 min
Lab File: BF126143.D
Acq: 12 Nov 2021 00:39



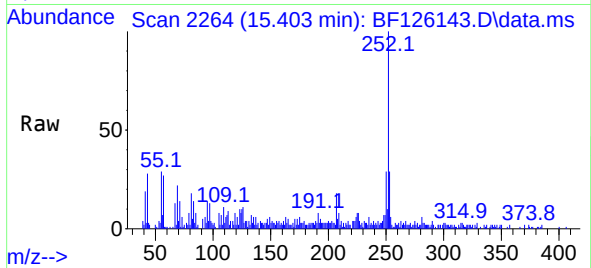
Tgt Ion:252 Resp: 54937
Ion Ratio Lower Upper
252 100
253 26.8 16.8 25.2#
125 9.8 9.8 14.8





#90
Benzo(a)pyrene
Concen: 2.750 ng
RT: 15.403 min Scan# 21
Delta R.T. -0.007 min
Lab File: BF126143.D
Acq: 12 Nov 2021 00:39

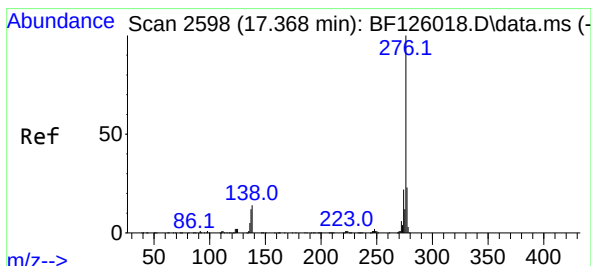
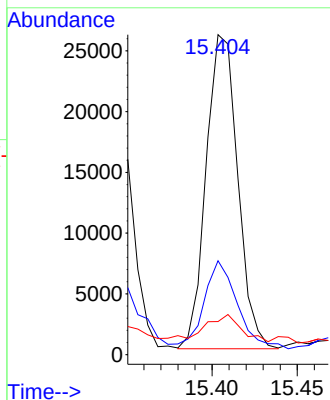
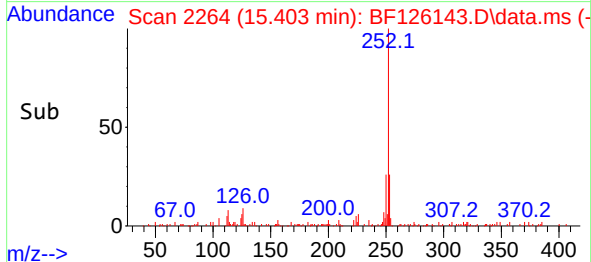
Instrument :
BNA_F
ClientSampleId :
VWE-B6-110521-10-20



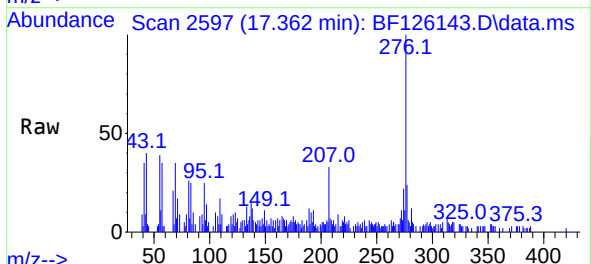
Tgt Ion:252 Resp: 3342
Ion Ratio Lower Upper
252 100
253 29.4 18.4 27.6
125 10.4 9.9 14.9

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 11/12/2021
Supervised By :mohammad ahmed 11/17/2021



#92
Benzo(g,h,i)perylene
Concen: 2.365 ng
RT: 17.362 min Scan# 2597
Delta R.T. -0.006 min
Lab File: BF126143.D
Acq: 12 Nov 2021 00:39



Tgt Ion:276 Resp: 26151
Ion Ratio Lower Upper
276 100
277 24.2 22.0 33.0
138 12.1 22.2 33.4#

