

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031722\
 Data File : BF127374.D
 Acq On : 17 Mar 2022 14:20
 Operator : CG\JU
 Sample : N1962-09
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C-22-23-25

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/18/2022
 Supervised By : Jagrut Upadhyay 03/18/2022

Quant Time: Mar 17 16:22:44 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031022.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 10 16:51:53 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	97843	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	331569	20.000	ng	# 0.00
39) Acenaphthene-d10	9.904	164	179387	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	264254	20.000	ng	# 0.00
76) Chrysene-d12	14.045	240	178690	20.000	ng	# 0.00
86) Perylene-d12	15.533	264	146656	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	542288	89.098	ng	0.00
7) Phenol-d6	6.504	99	748234	89.365	ng	0.00
23) Nitrobenzene-d5	7.434	82	495998	61.778	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	122793	63.587	ng	-0.01
45) 2-Fluorobiphenyl	9.228	172	754450	59.460	ng	0.00
79) Terphenyl-d14	12.986	244	572895	55.207	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	8.169	128	84778	4.793	ng	97
71) Phenanthrene	11.422	178	142256	10.198	ng	98
72) Anthracene	11.475	178	28773	2.083	ng	99
75) Fluoranthene	12.616	202	134013	8.592	ng	90
78) Pyrene	12.845	202	129133	9.278	ng	98
81) Benzo(a)anthracene	14.033	228	53041	4.408	ng	97
83) Chrysene	14.069	228	46987	4.199	ng	97
88) Benzo(b)fluoranthene	15.098	252	46539m	4.835	ng	
90) Benzo(a)pyrene	15.468	252	31514m	4.157	ng	

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

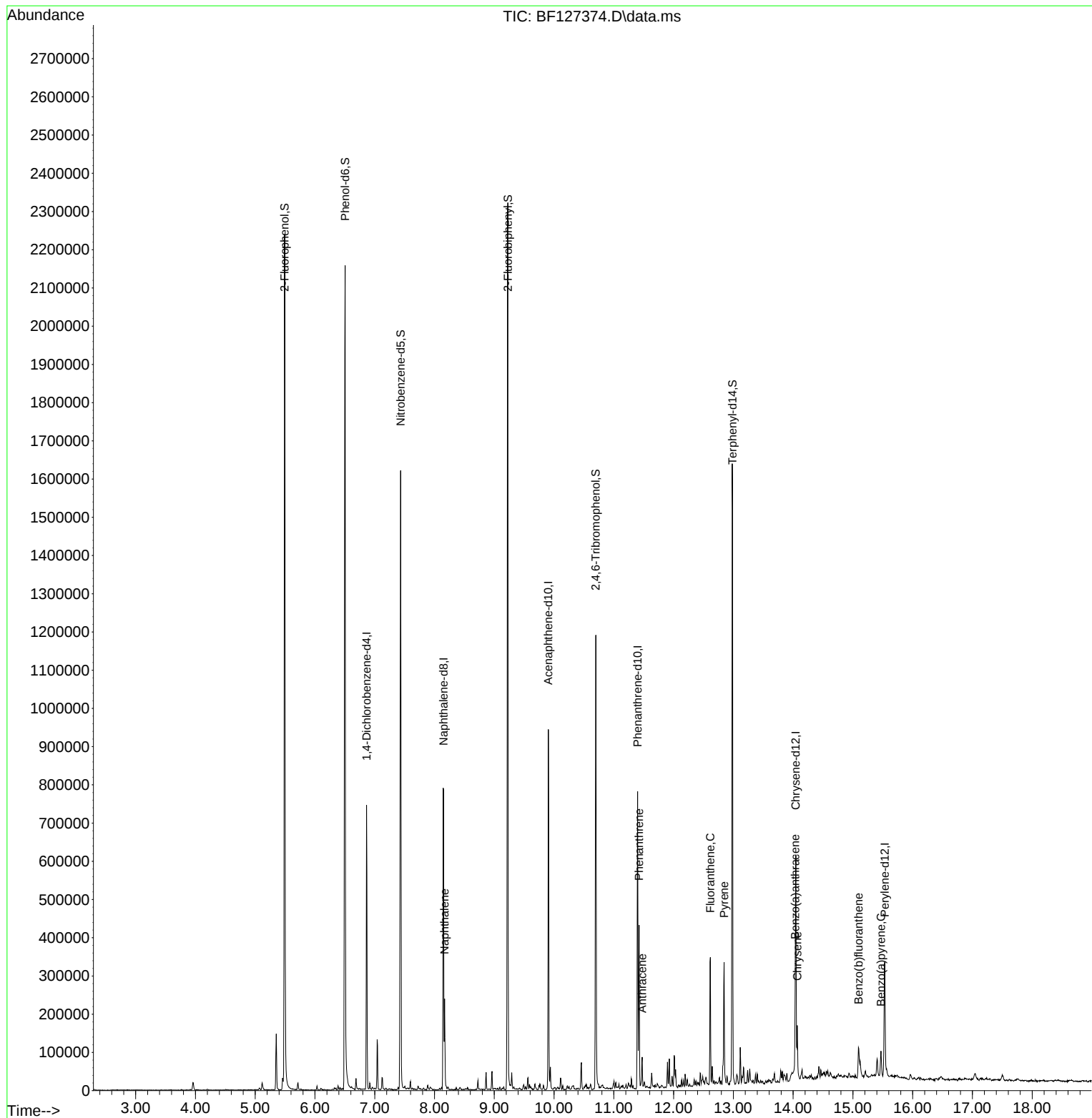
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031722\
Data File : BF127374.D
Acq On : 17 Mar 2022 14:20
Operator : CG\JU
Sample : N1962-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

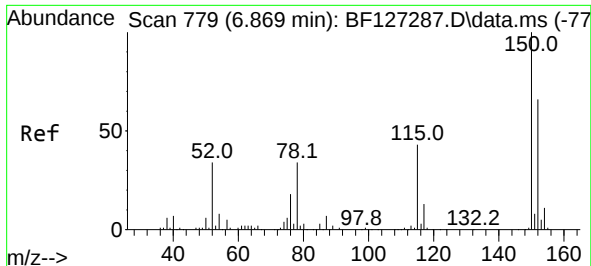
Instrument :
BNA_F
ClientSampleId :
C-22-23-25

Quant Time: Mar 17 16:22:44 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031022.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 10 16:51:53 2022
Response via : Initial Calibration

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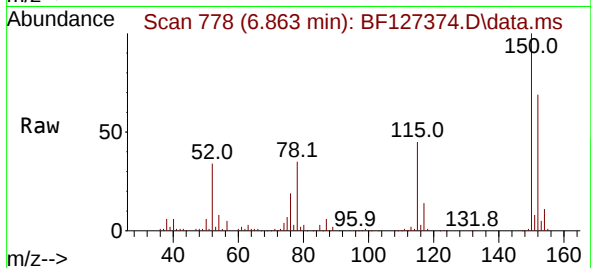
Reviewed By : Christian Giraldo 03/18/2022
Supervised By : Jagrut Upadhyay 03/18/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 779
Delta R.T. -0.006 min
Lab File: BF127374.D
Acq: 17 Mar 2022 14:20

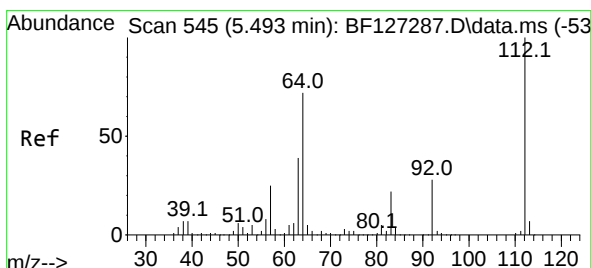
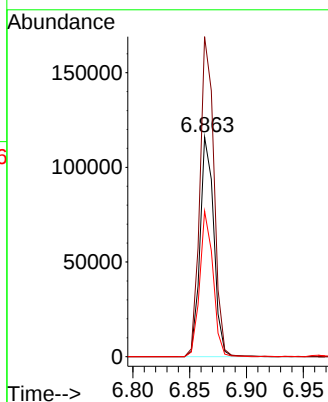
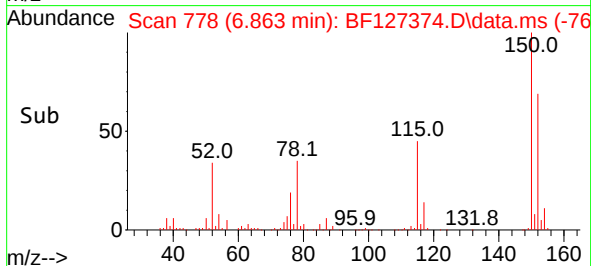
Instrument :
BNA_F
ClientSampleId :
C-22-23-25



Tgt Ion:152 Resp: 9784
Ion Ratio Lower Upper
152 100
150 145.6 128.1 192.1
115 66.2 56.7 85.1

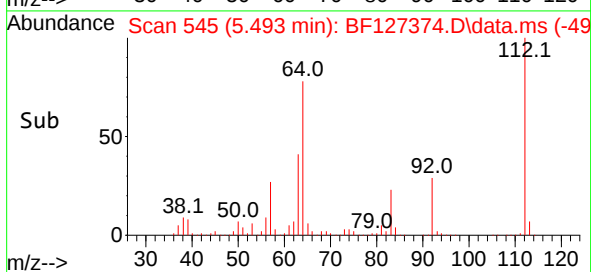
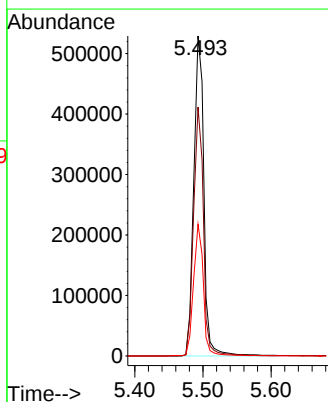
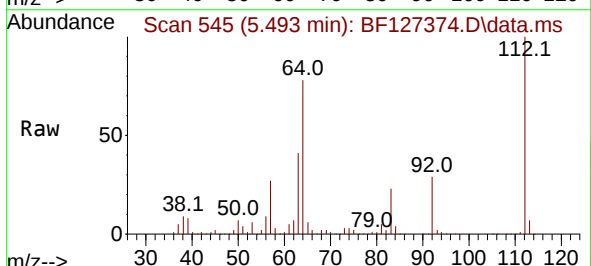
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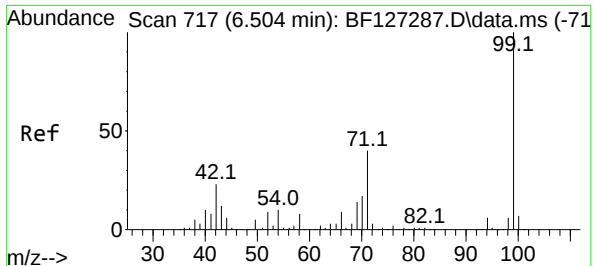
Reviewed By :Christian Giraldo 03/18/2022
Supervised By :Jagrut Upadhyay 03/18/2022



#5
2-Fluorophenol
Concen: 89.098 ng
RT: 5.493 min Scan# 545
Delta R.T. -0.000 min
Lab File: BF127374.D
Acq: 17 Mar 2022 14:20

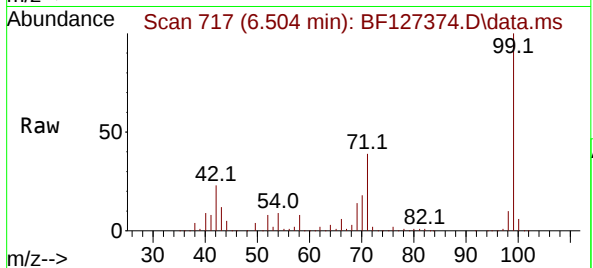
Tgt Ion:112 Resp: 542288
Ion Ratio Lower Upper
112 100
64 77.7 49.5 74.3#
63 41.1 23.9 35.9#





#7
Phenol-d6
Concen: 89.365 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF127374.D
Acq: 17 Mar 2022 14:20

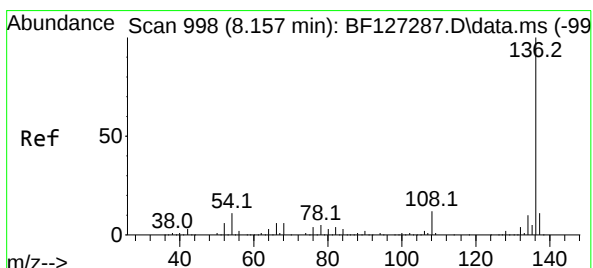
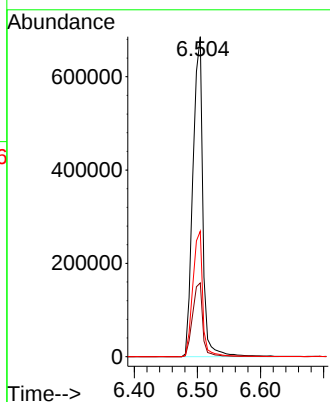
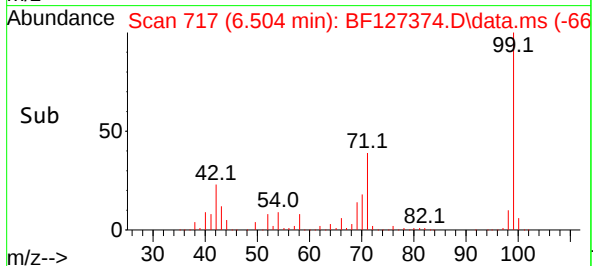
Instrument :
BNA_F
ClientSampleId :
C-22-23-25



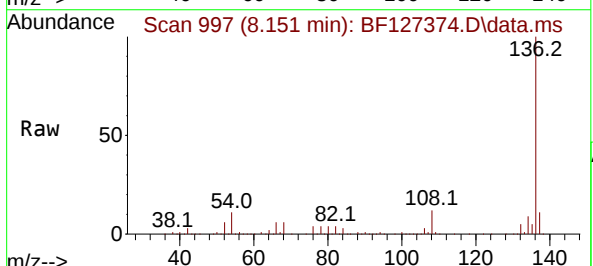
Tgt Ion: 99 Resp: 748234
Ion Ratio Lower Upper
99 100
42 23.1 14.2 21.4
71 39.2 24.3 36.5

Manual Integrations
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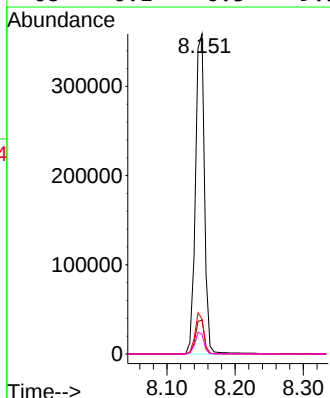
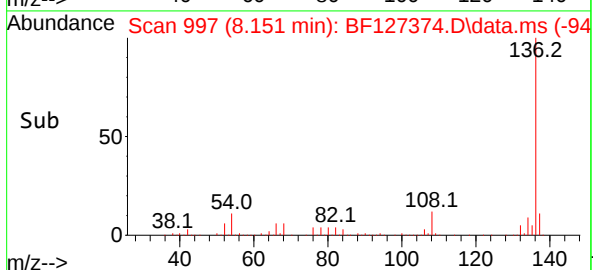
Reviewed By :Christian Giraldo 03/18/2022
Supervised By :Jagrut Upadhyay 03/18/2022

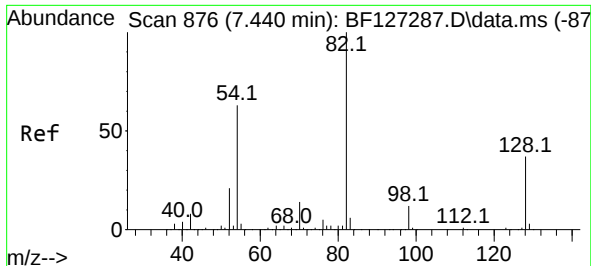


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 997
Delta R.T. -0.006 min
Lab File: BF127374.D
Acq: 17 Mar 2022 14:20



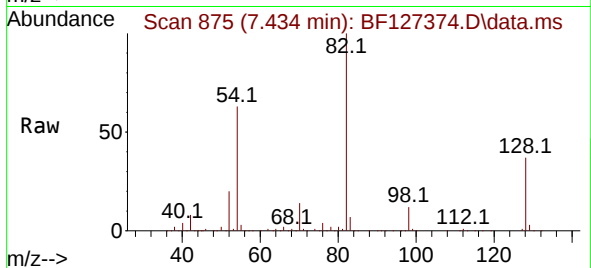
Tgt Ion:136 Resp: 331569
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 10.9 7.8 11.6
68 6.1 6.3 9.5





#23
Nitrobenzene-d5
Concen: 61.778 ng
RT: 7.434 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF127374.D
Acq: 17 Mar 2022 14:20

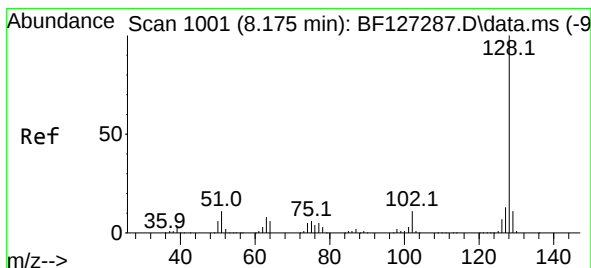
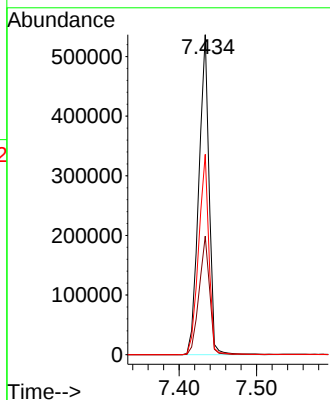
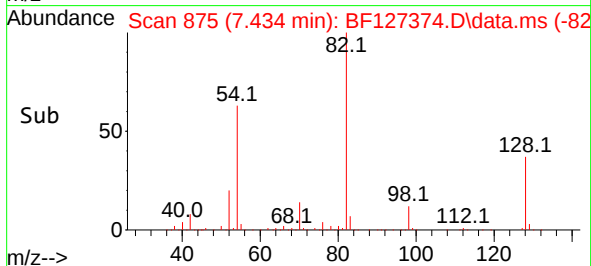
Instrument :
BNA_F
ClientSampleId :
C-22-23-25



Tgt Ion: 82 Resp: 495998
Ion Ratio Lower Upper
82 100
128 37.1 32.7 49.1
54 62.6 41.7 62.5

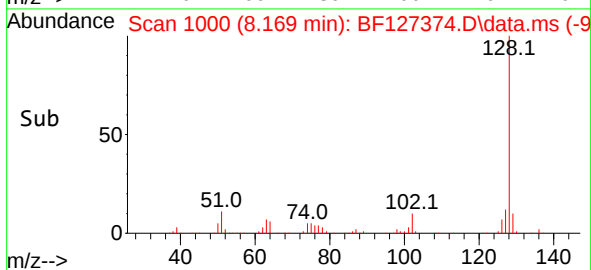
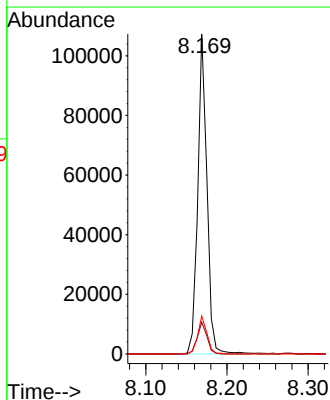
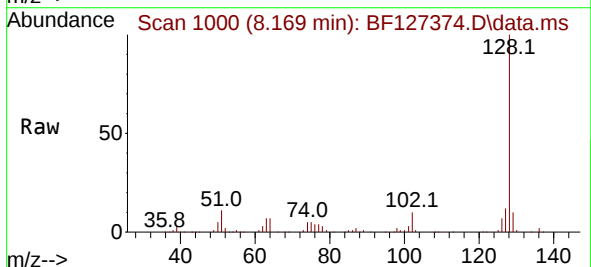
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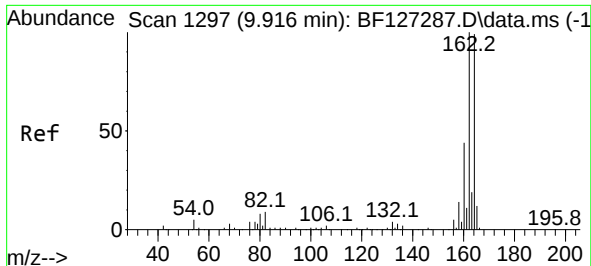
Reviewed By :Christian Giraldo 03/18/2022
Supervised By :Jagrut Upadhyay 03/18/2022



#31
Naphthalene
Concen: 4.793 ng
RT: 8.169 min Scan# 1000
Delta R.T. -0.006 min
Lab File: BF127374.D
Acq: 17 Mar 2022 14:20

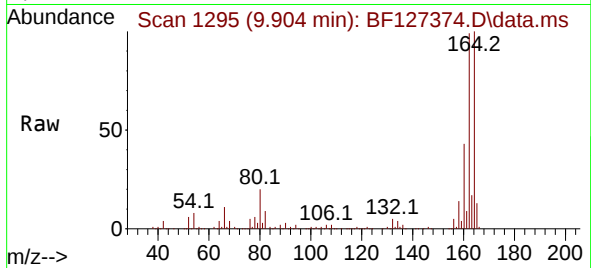
Tgt Ion:128 Resp: 84778
Ion Ratio Lower Upper
128 100
129 9.9 8.6 13.0
127 11.8 10.3 15.5





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF127374.D
Acq: 17 Mar 2022 14:20

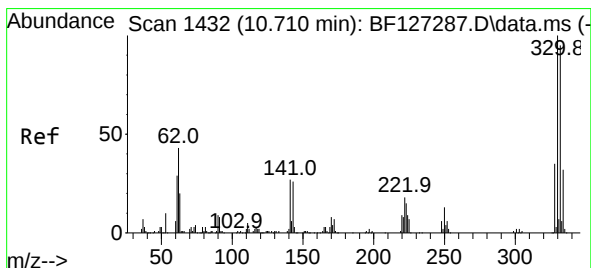
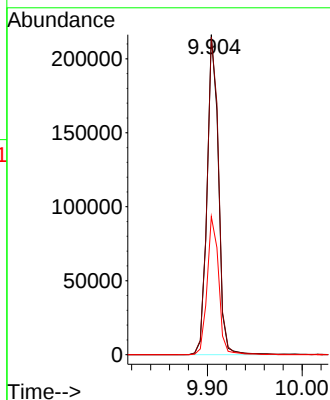
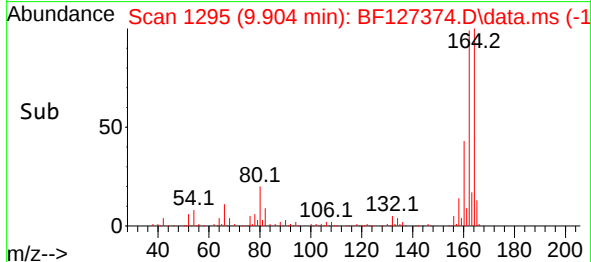
Instrument :
BNA_F
ClientSampleId :
C-22-23-25



Tgt Ion:164 Resp: 17938
Ion Ratio Lower Upper
164 100
162 99.3 81.4 122.0
160 43.2 36.6 54.8

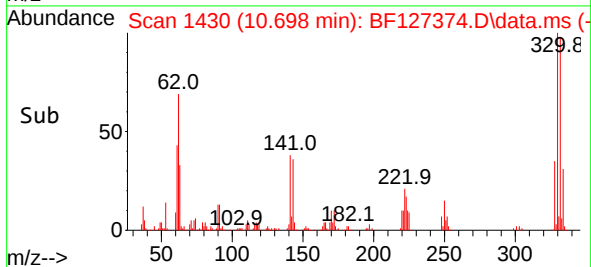
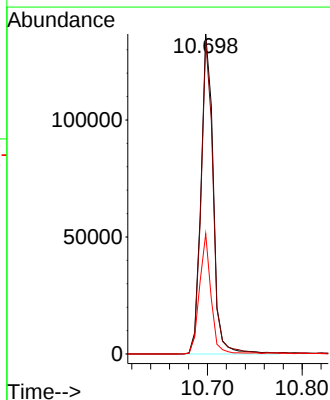
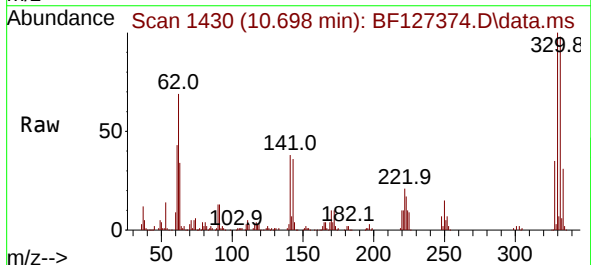
Manual Integrations
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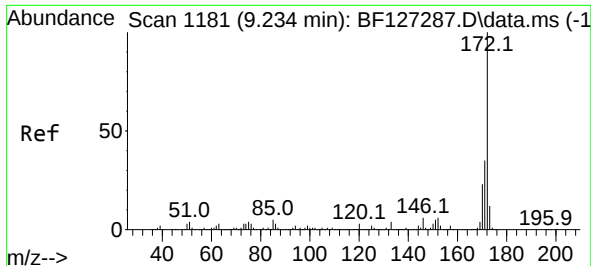
Reviewed By :Christian Giraldo 03/18/2022
Supervised By :Jagrut Upadhyay 03/18/2022



#42
2,4,6-Tribromophenol
Concen: 63.587 ng
RT: 10.698 min Scan# 1430
Delta R.T. -0.012 min
Lab File: BF127374.D
Acq: 17 Mar 2022 14:20

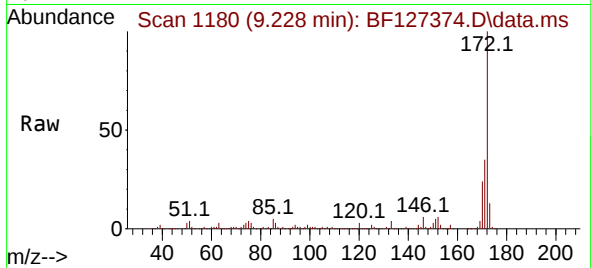
Tgt Ion:330 Resp: 122793
Ion Ratio Lower Upper
330 100
332 95.9 76.0 114.0
141 35.4 30.1 45.1





#45
2-Fluorobiphenyl
Concen: 59.460 ng
RT: 9.228 min Scan# 1181
Delta R.T. -0.006 min
Lab File: BF127374.D
Acq: 17 Mar 2022 14:20

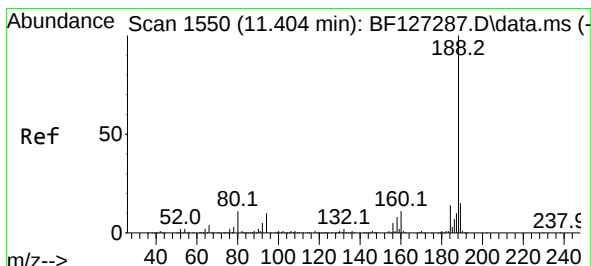
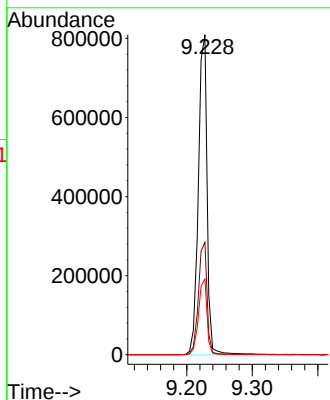
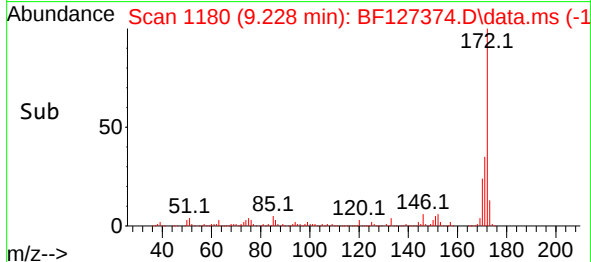
Instrument :
BNA_F
ClientSampleId :
C-22-23-25



Tgt Ion:172 Resp: 754450
Ion Ratio Lower Upper
172 100
171 35.1 28.3 42.5
170 23.6 19.0 28.6

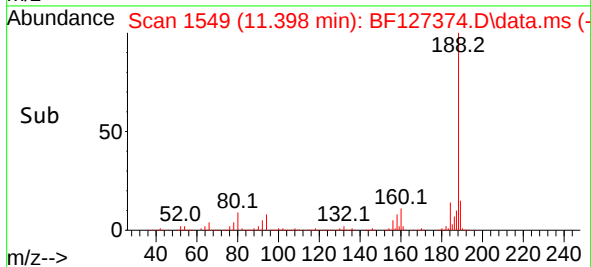
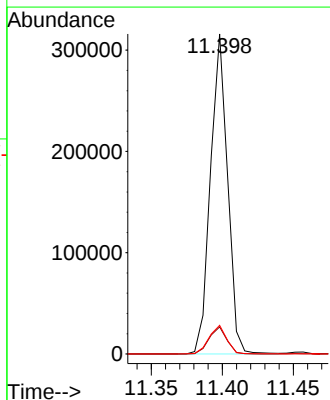
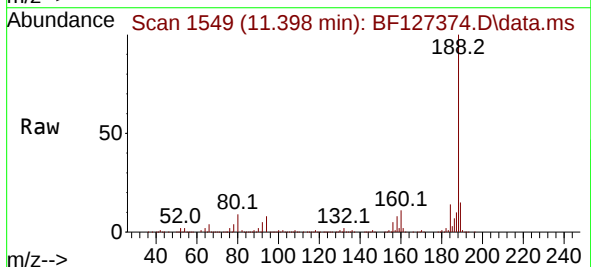
Manual Integrations
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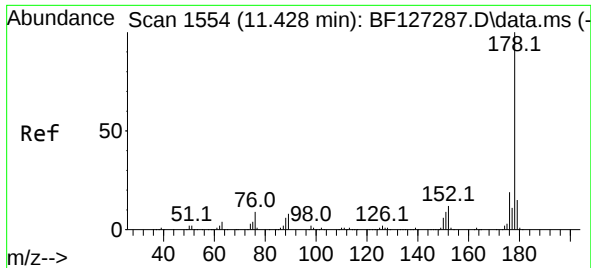
Reviewed By :Christian Giraldo 03/18/2022
Supervised By :Jagrut Upadhyay 03/18/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1549
Delta R.T. -0.006 min
Lab File: BF127374.D
Acq: 17 Mar 2022 14:20

Tgt Ion:188 Resp: 264254
Ion Ratio Lower Upper
188 100
94 8.5 10.1 15.1#
80 9.0 11.8 17.6#





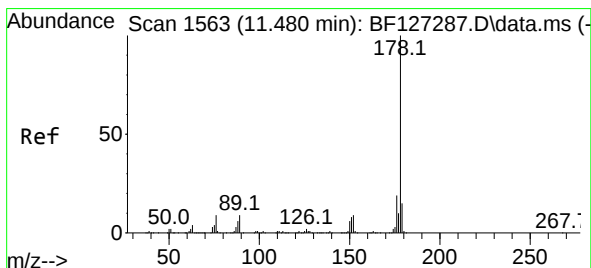
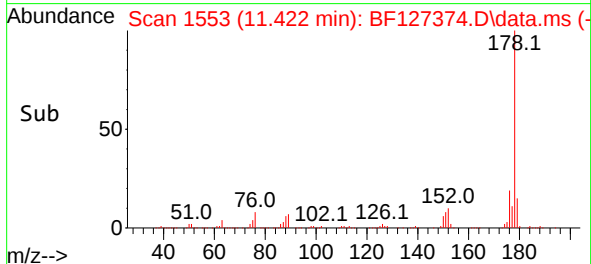
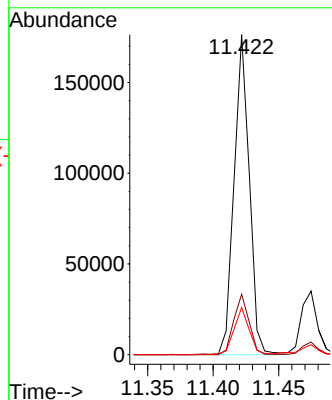
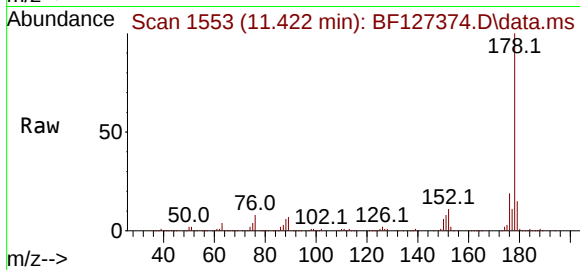
#71
Phenanthrene
Concen: 10.198 ng
RT: 11.422 min Scan# 11554
Delta R.T. -0.006 min
Lab File: BF127374.D
Acq: 17 Mar 2022 14:20

Instrument :
BNA_F
ClientSampleId :
C-22-23-25

Tgt Ion:178 Resp: 142250
Ion Ratio Lower Upper
178 100
176 18.9 15.7 23.5
179 14.8 12.3 18.5

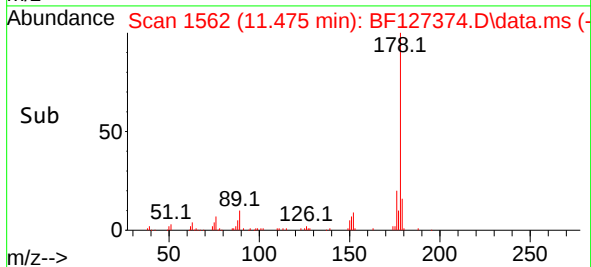
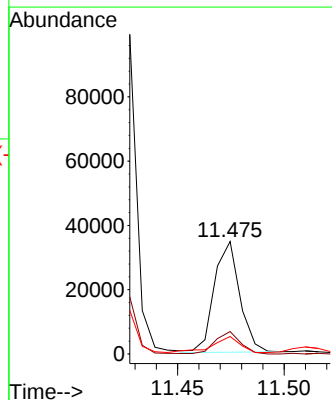
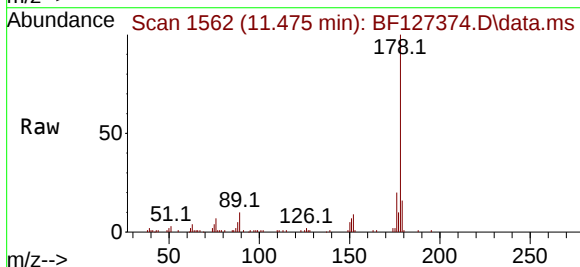
Manual Integrations
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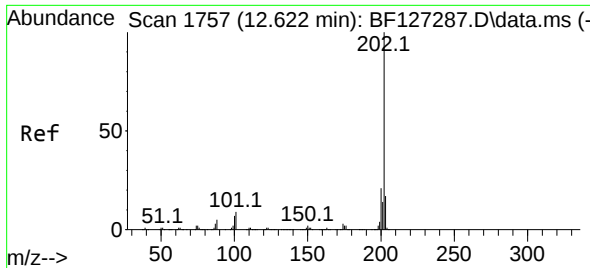
Reviewed By :Christian Giraldo 03/18/2022
Supervised By :Jagrut Upadhyay 03/18/2022



#72
Anthracene
Concen: 2.083 ng
RT: 11.475 min Scan# 1562
Delta R.T. -0.006 min
Lab File: BF127374.D
Acq: 17 Mar 2022 14:20

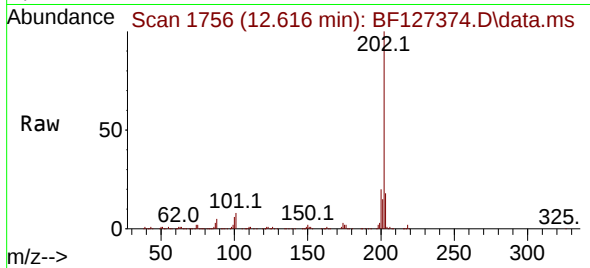
Tgt Ion:178 Resp: 28773
Ion Ratio Lower Upper
178 100
176 19.9 15.0 22.6
179 15.5 12.5 18.7





#75
Fluoranthene
Concen: 8.592 ng
RT: 12.616 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127374.D
Acq: 17 Mar 2022 14:20

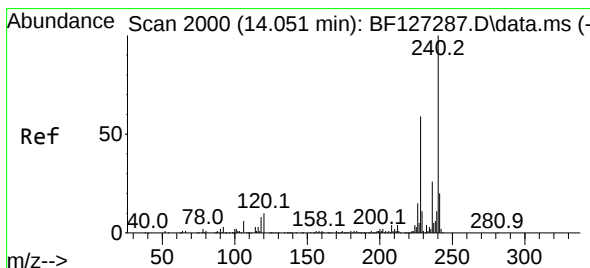
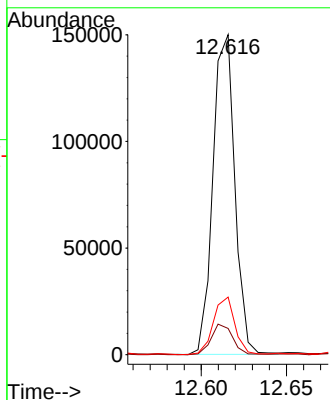
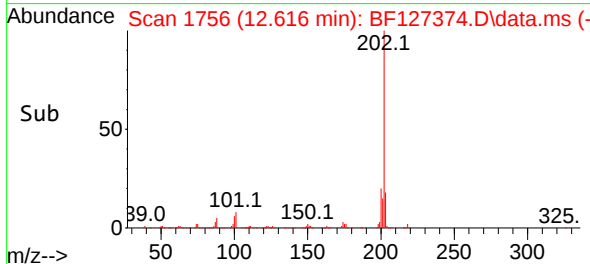
Instrument :
BNA_F
ClientSampleId :
C-22-23-25



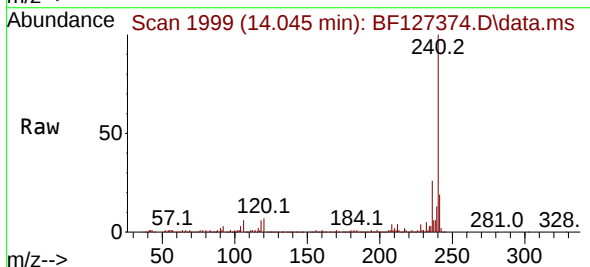
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Ion Ratio Lower Upper
202 100
101 8.2 0.0 35.7
203 18.0 0.0 37.1

Manual Integrations
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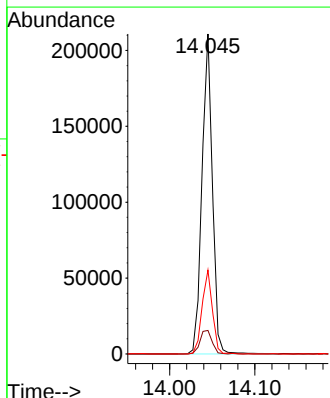
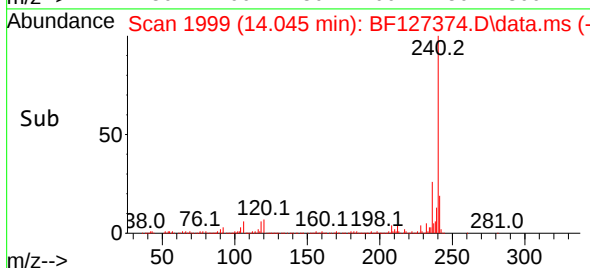
Reviewed By :Christian Giraldo 03/18/2022
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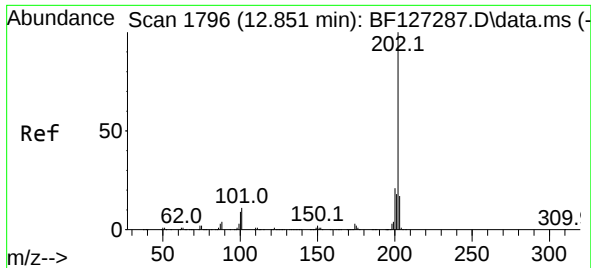


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 1999
Delta R.T. -0.006 min
Lab File: BF127374.D
Acq: 17 Mar 2022 14:20



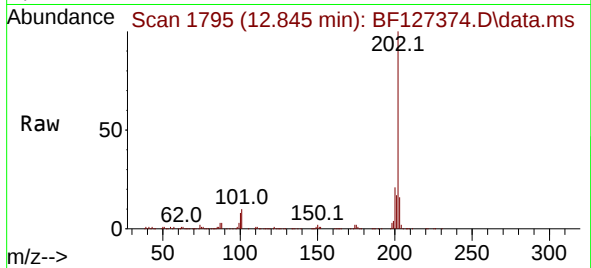
Tgt Ion:240 Resp: 178690
Ion Ratio Lower Upper
240 100
120 7.4 14.4 21.6#
236 26.2 20.5 30.7





#78
Pyrene
Concen: 9.278 ng
RT: 12.845 min Scan# 1819
Delta R.T. -0.006 min
Lab File: BF127374.D
Acq: 17 Mar 2022 14:20

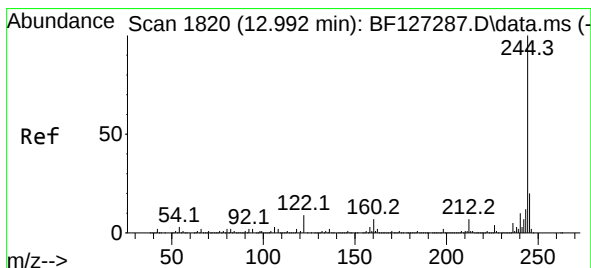
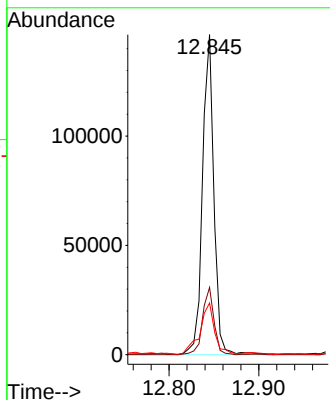
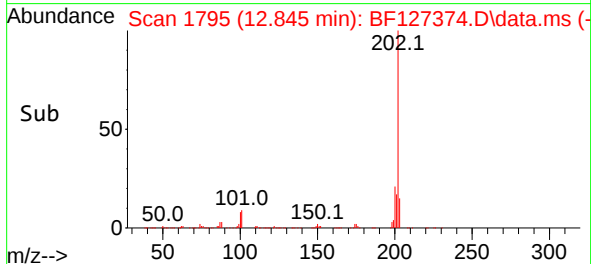
Instrument :
BNA_F
ClientSampleId :
C-22-23-25



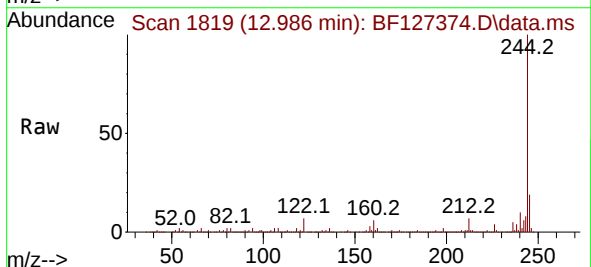
Tgt Ion:202 Resp: 12913
Ion Ratio Lower Upper
202 100
200 21.0 16.6 24.8
203 16.1 13.8 20.8

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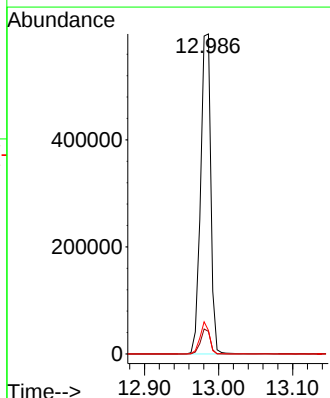
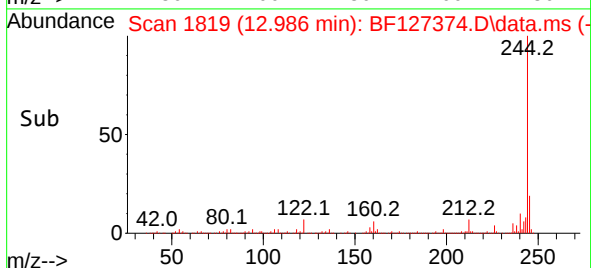
Reviewed By :Christian Giraldo 03/18/2022
Supervised By :Jagrut Upadhyay 03/18/2022

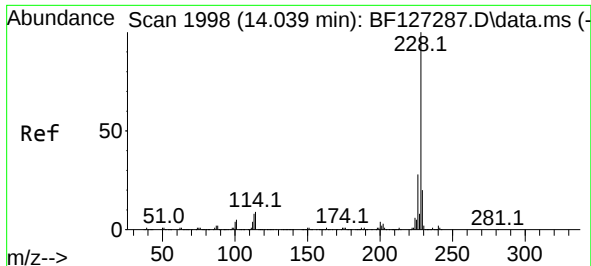


#79
Terphenyl-d14
Concen: 55.207 ng
RT: 12.986 min Scan# 1819
Delta R.T. -0.006 min
Lab File: BF127374.D
Acq: 17 Mar 2022 14:20



Tgt Ion:244 Resp: 572895
Ion Ratio Lower Upper
244 100
212 7.1 5.0 7.4
122 7.3 13.3 19.9#





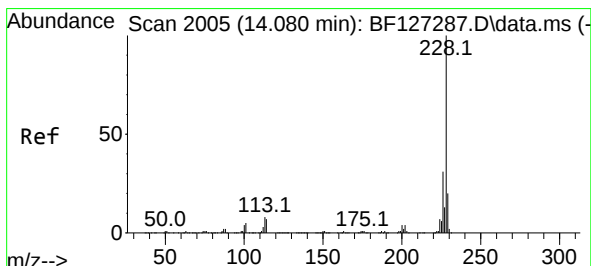
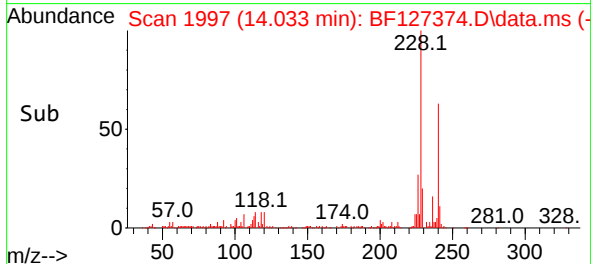
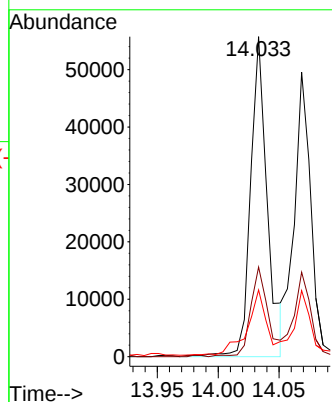
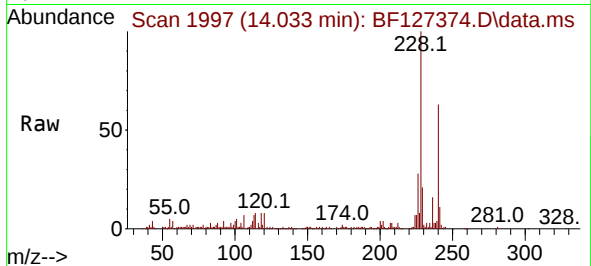
#81
Benzo(a)anthracene
Concen: 4.408 ng
RT: 14.033 min Scan# 1998
Delta R.T. -0.006 min
Lab File: BF127374.D
Acq: 17 Mar 2022 14:20

Instrument :
BNA_F
ClientSampleId :
C-22-23-25

Tgt Ion:228 Resp: 5304
Ion Ratio Lower Upper
228 100
226 28.0 21.4 32.0
229 20.9 15.4 23.2

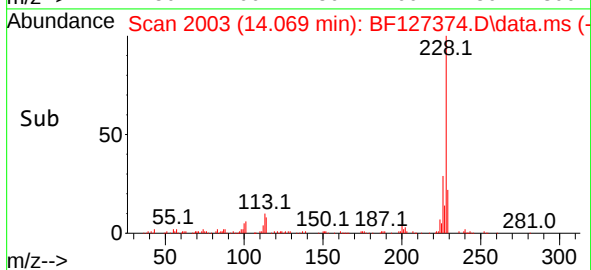
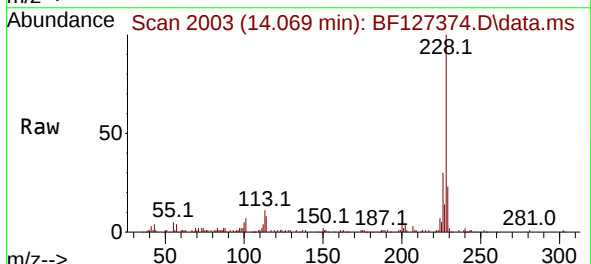
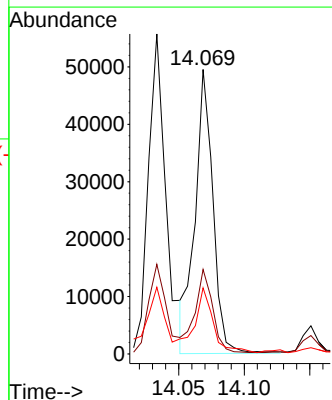
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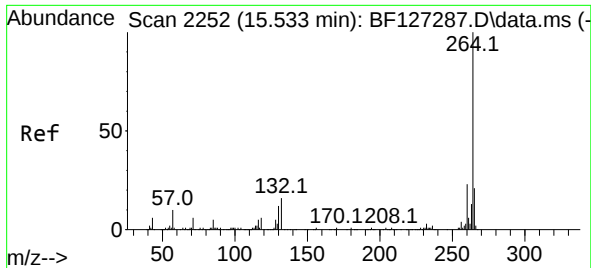
Reviewed By :Christian Giraldo 03/18/2022
Supervised By :Jagrut Upadhyay 03/18/2022



#83
Chrysene
Concen: 4.199 ng
RT: 14.069 min Scan# 2003
Delta R.T. -0.012 min
Lab File: BF127374.D
Acq: 17 Mar 2022 14:20

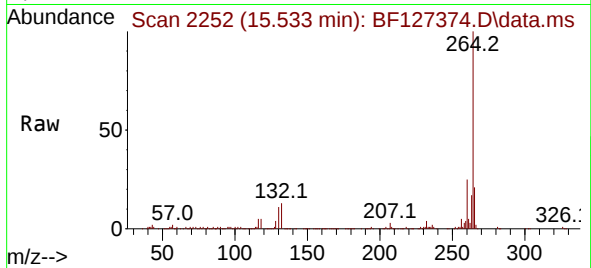
Tgt Ion:228 Resp: 46987
Ion Ratio Lower Upper
228 100
226 29.7 23.7 35.5
229 23.3 15.5 23.3





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.533 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BF127374.D
 Acq: 17 Mar 2022 14:20

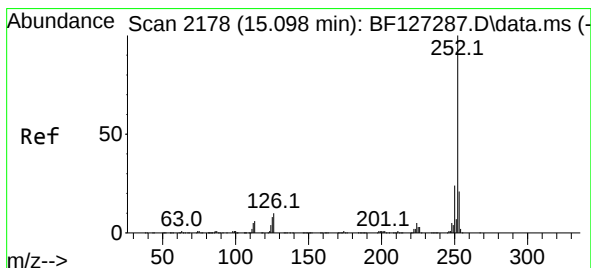
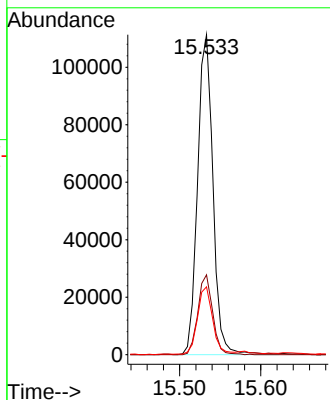
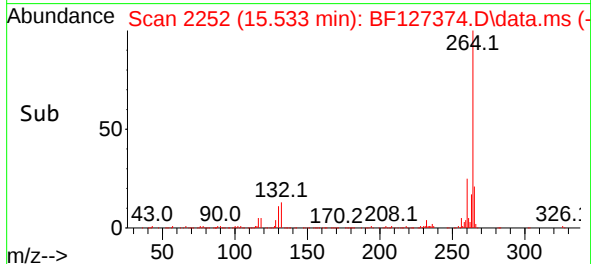
Instrument :
 BNA_F
 ClientSampleId :
 C-22-23-25



Tgt Ion:264 Resp: 146650
 Ion Ratio Lower Upper
 264 100
 260 25.0 19.2 28.8
 265 21.2 17.4 26.2

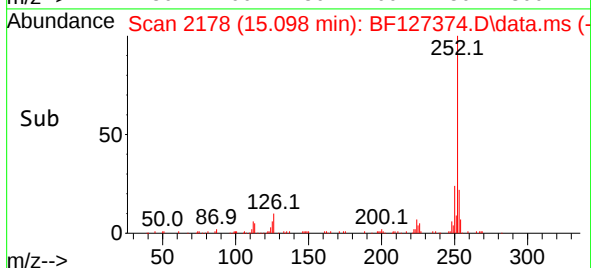
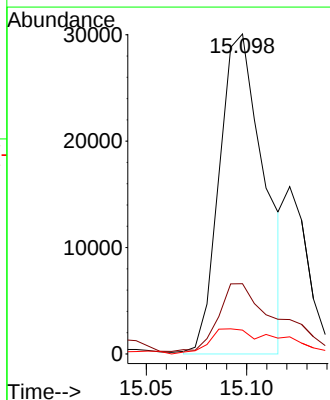
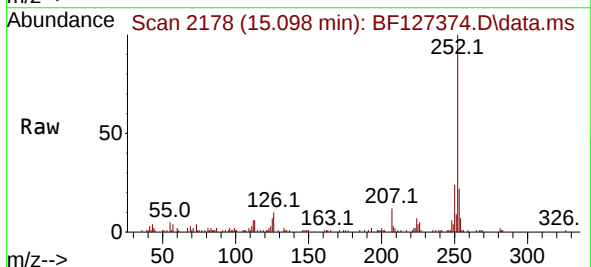
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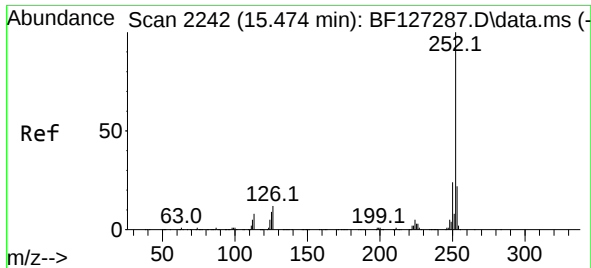
Reviewed By :Christian Giraldo 03/18/2022
 Supervised By :Jagrut Upadhyay 03/18/2022



#88
 Benzo(b)fluoranthene
 Concen: 4.835 ng m
 RT: 15.098 min Scan# 2178
 Delta R.T. -0.000 min
 Lab File: BF127374.D
 Acq: 17 Mar 2022 14:20

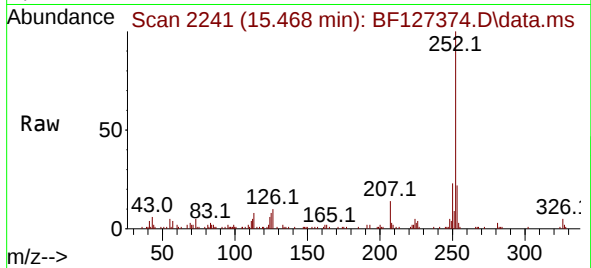
Tgt Ion:252 Resp: 46539
 Ion Ratio Lower Upper
 252 100
 253 22.0 17.8 26.8
 125 7.4 12.4 18.6#





#90
Benzo(a)pyrene
Concen: 4.157 ng m
RT: 15.468 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF127374.D
Acq: 17 Mar 2022 14:20

Instrument :
BNA_F
ClientSampleId :
C-22-23-25



Tgt Ion:252 Resp: 31514
Ion Ratio Lower Upper
252 100
253 21.8 17.1 25.7
125 8.3 13.0 19.6

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Reviewed By :Christian Giraldo 03/18/2022
Supervised By :Jagrut Upadhyay 03/18/2022

