

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050422\
 Data File : BF128080.D
 Acq On : 04 May 2022 19:18
 Operator : CG\JU
 Sample : N2659-03RE
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 22L097-CRE

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 05/05/2022
 Supervised By : Jagrut Upadhyay 05/05/2022

Quant Time: May 05 06:06:56 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 04 04:23:29 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.910	152	82632	20.000	ng	0.00
21) Naphthalene-d8	8.198	136	320838	20.000	ng	0.00
39) Acenaphthene-d10	9.957	164	164568	20.000	ng	0.00
64) Phenanthrene-d10	11.445	188	242612	20.000	ng	-0.01
76) Chrysene-d12	14.098	240	194641	20.000	ng	0.00
86) Perylene-d12	15.604	264	141934	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.534	112	8977	1.730	ng	0.00
7) Phenol-d6	6.534	99	210810	31.316	ng	-0.02
23) Nitrobenzene-d5	7.475	82	393615	57.691	ng	-0.01
42) 2,4,6-Tribromophenol	10.751	330	397	0.240	ng	0.00
45) 2-Fluorobiphenyl	9.275	172	648152	66.629	ng	0.00
79) Terphenyl-d14	13.033	244	553746	52.022	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.469	178	160909	12.670	ng	100
72) Anthracene	11.522	178	33649	2.660	ng	99
75) Fluoranthene	12.663	202	166082	12.426	ng	97
78) Pyrene	12.898	202	157161	10.002	ng	98
81) Benzo(a)anthracene	14.086	228	76506	5.897	ng	98
83) Chrysene	14.121	228	73368	5.922	ng	97
88) Benzo(b)fluoranthene	15.157	252	63324m	7.103	ng	
90) Benzo(a)pyrene	15.539	252	41894	5.665	ng	# 93

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

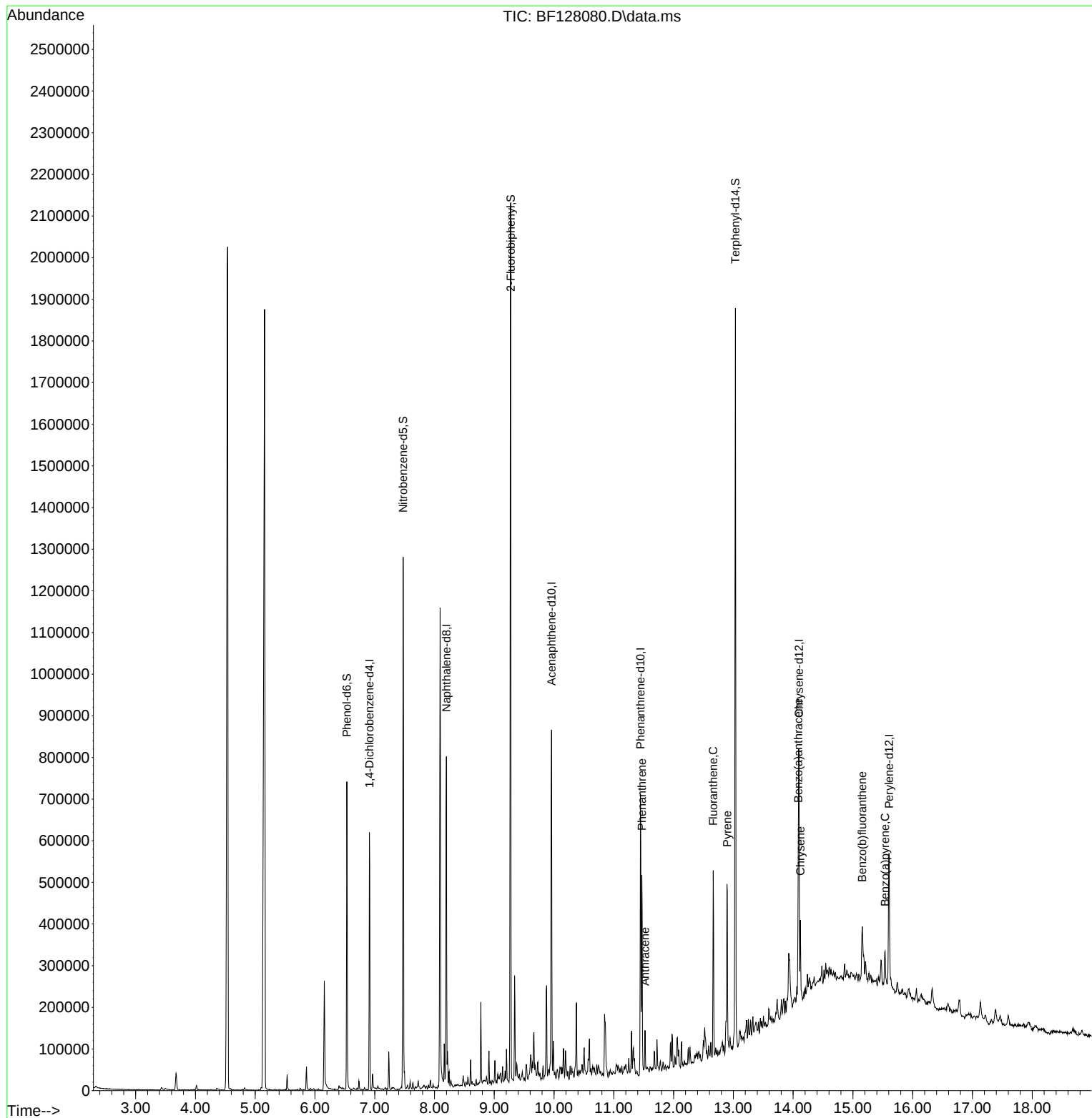
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050422\
Data File : BF128080.D
Acq On : 04 May 2022 19:18
Operator : CG\JU
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ALS Vial : 21 Sample Multiplier: 1

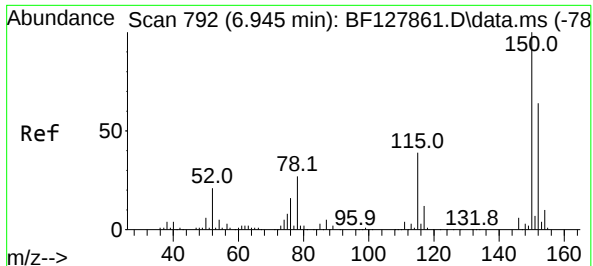
Instrument :
BNA_F
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22L097-CRE

Quant Time: May 05 06:06:56 2022
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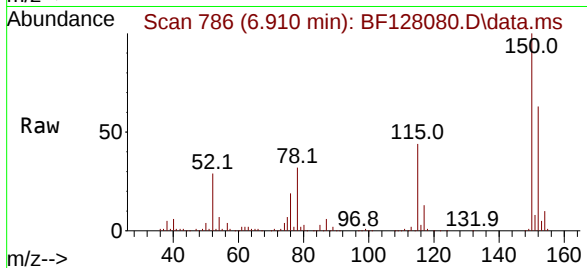
Reviewed By :Christian Giraldo 05/05/2022
Supervised By :Jagrut Upadhyay 05/05/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.910 min Scan# 792
Delta R.T. -0.006 min
Lab File: BF128080.D
Acq: 04 May 2022 19:18

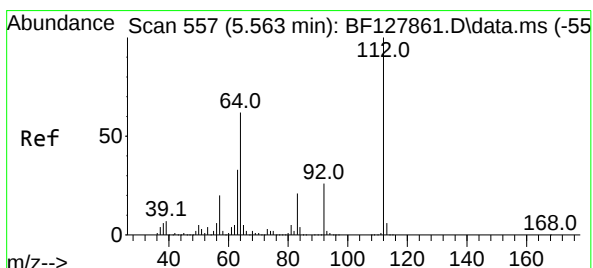
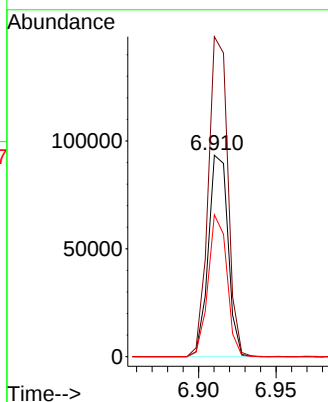
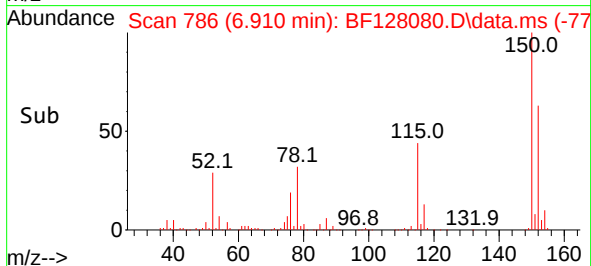
Instrument :
BNA_F
ClientSampleId :
22L097-CRE



Tgt Ion:152 Resp: 82632
Ion Ratio Lower Upper
152 100
150 158.9 125.3 187.9
115 70.5 48.8 73.2

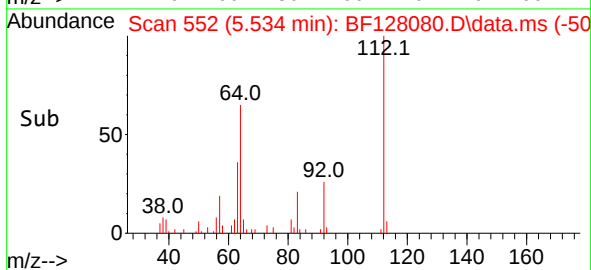
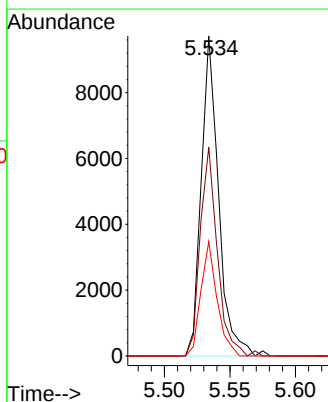
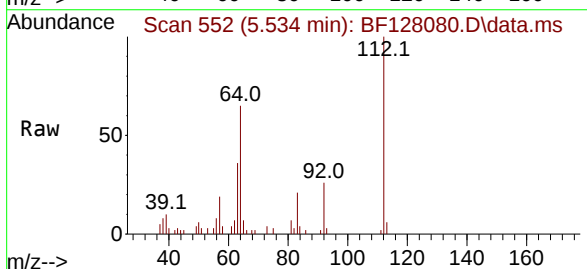
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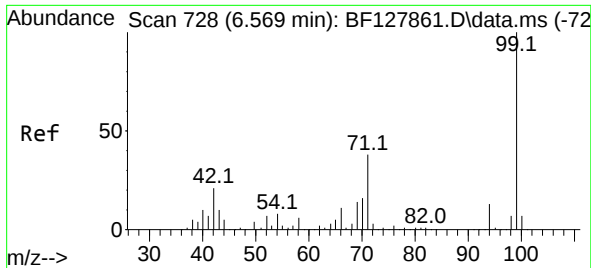
Reviewed By :Christian Giraldo 05/05/2022
Supervised By :Jagrut Upadhyay 05/05/2022



#5
2-Fluorophenol
Concen: 1.730 ng
RT: 5.534 min Scan# 552
Delta R.T. -0.006 min
Lab File: BF128080.D
Acq: 04 May 2022 19:18

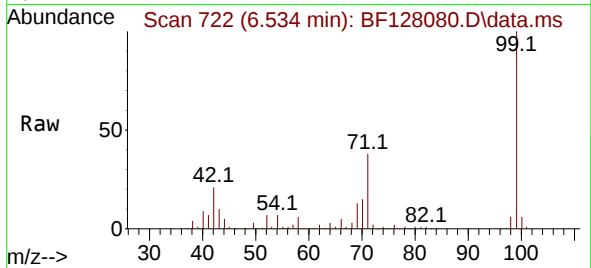
Tgt Ion:112 Resp: 8977
Ion Ratio Lower Upper
112 100
64 65.2 49.5 74.3
63 35.7 26.3 39.5





#7
Phenol-d6
Concen: 31.316 ng
RT: 6.534 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF128080.D
Acq: 04 May 2022 19:18

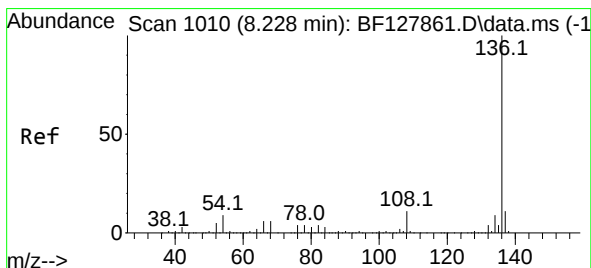
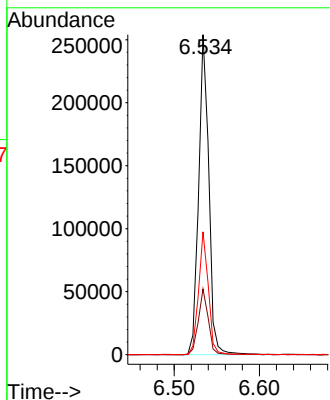
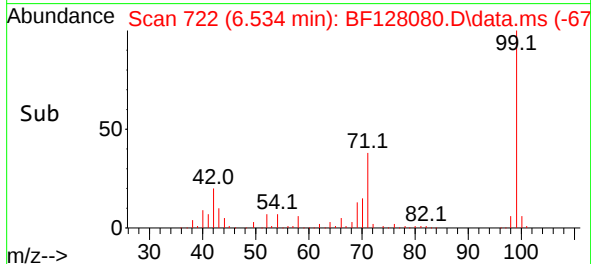
Instrument :
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ClientSampleId :
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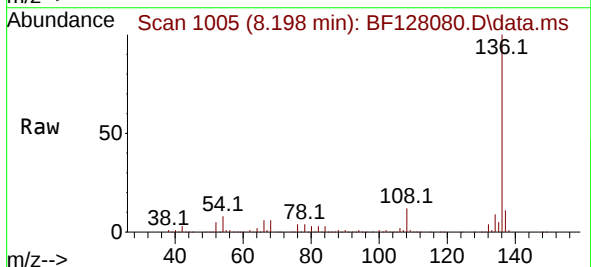
Tgt Ion: 99 Resp: 210810
Ion Ratio Lower Upper
99 100
42 20.6 16.6 24.8
71 38.4 30.0 45.0

Manual Integrations
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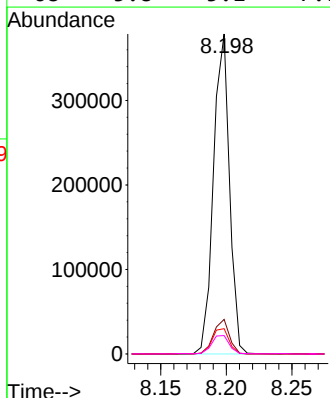
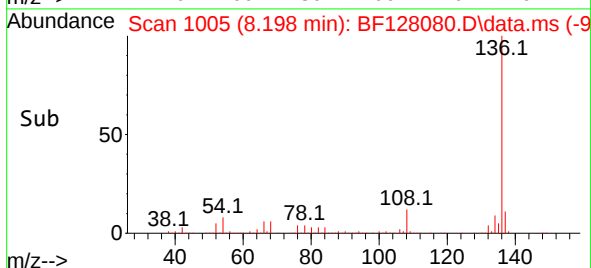
Reviewed By :Christian Giraldo 05/05/2022
Supervised By :Jagrut Upadhyay 05/05/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.198 min Scan# 1005
Delta R.T. -0.006 min
Lab File: BF128080.D
Acq: 04 May 2022 19:18



Tgt Ion:136 Resp: 320838
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 7.9 6.8 10.2
68 5.8 5.1 7.7





#23

Nitrobenzene-d5

Concen: 57.691 ng

RT: 7.475 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF128080.D

Acq: 04 May 2022 19:18

Instrument :

BNA_F

ClientSampleId :

22L097-CRE

Tgt Ion: 82 Resp: 39361

Ion Ratio Lower Upper

82 100

128 36.7 30.0 45.0

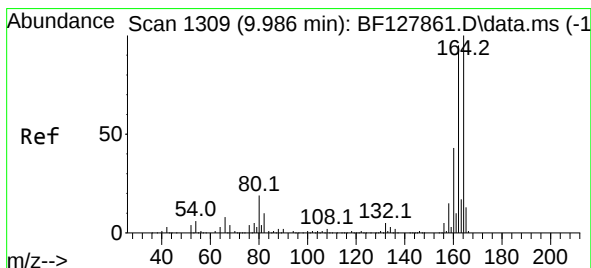
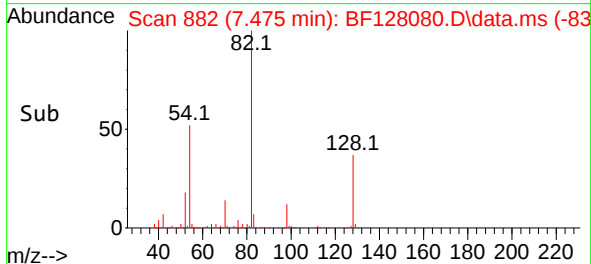
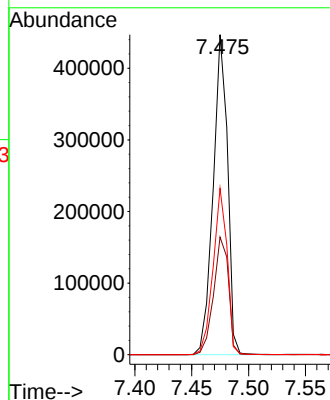
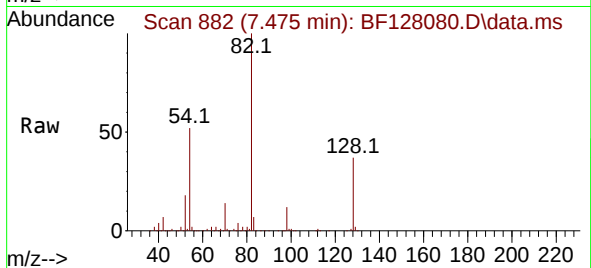
54 52.0 41.3 61.9

Manual Integrations

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Supervised By :Jagrut Upadhyay 05/05/2022



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.957 min Scan# 1304

Delta R.T. -0.006 min

Lab File: BF128080.D

Acq: 04 May 2022 19:18

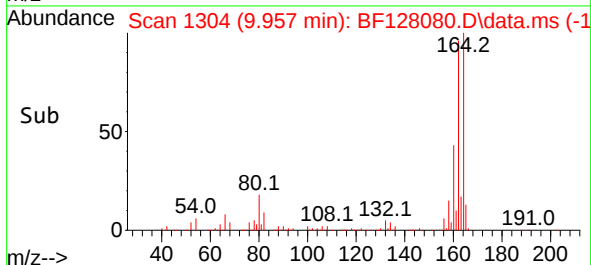
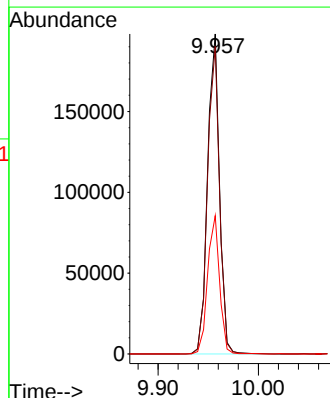
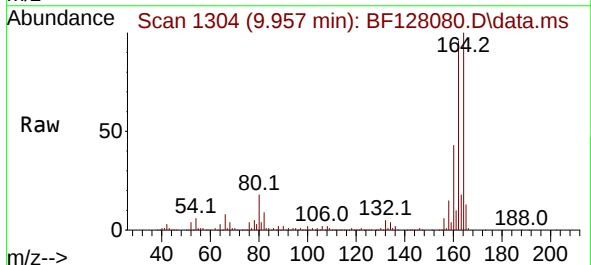
Tgt Ion:164 Resp: 164568

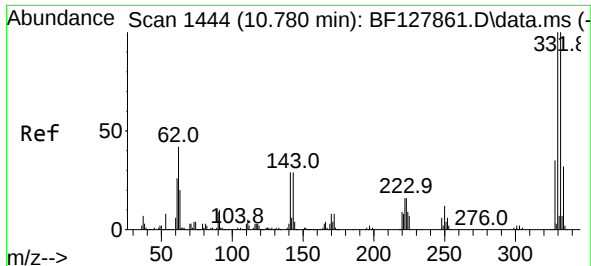
Ion Ratio Lower Upper

164 100

162 96.1 76.0 114.0

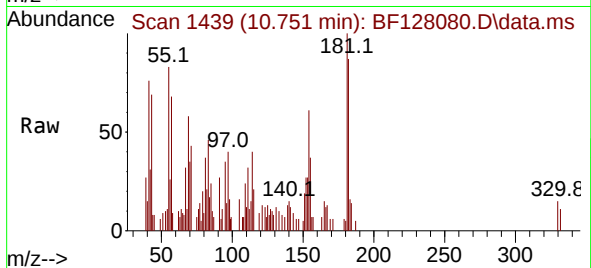
160 43.2 34.8 52.2





#42
2,4,6-Tribromophenol
Concen: 0.240 ng
RT: 10.751 min Scan# 1444
Delta R.T. -0.006 min
Lab File: BF128080.D
Acq: 04 May 2022 19:18

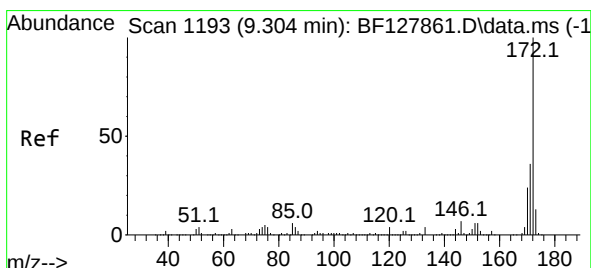
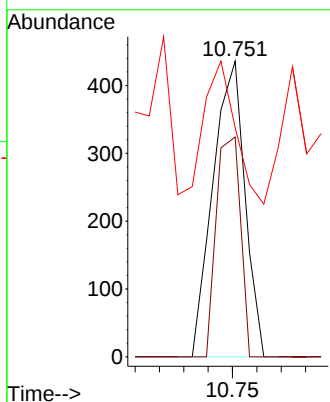
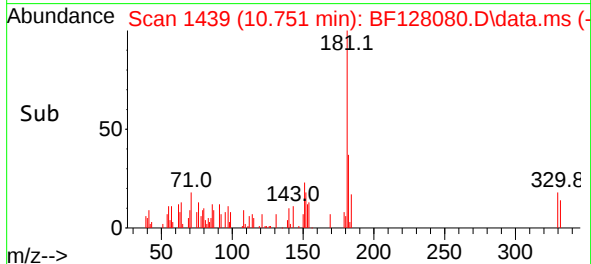
Instrument :
BNA_F
ClientSampleId :
22L097-CRE



Tgt Ion: 330 Resp: 397
Ion Ratio Lower Upper
330 100
332 56.2 79.0 118.4
141 65.7 28.9 43.3

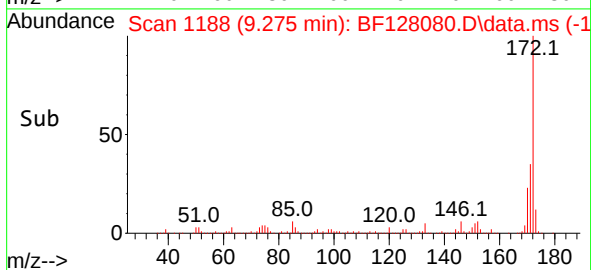
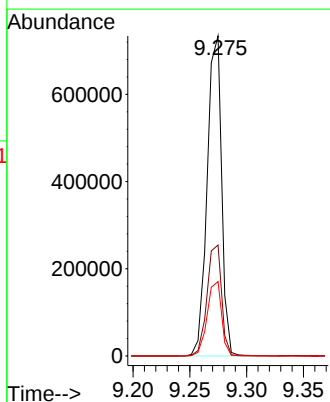
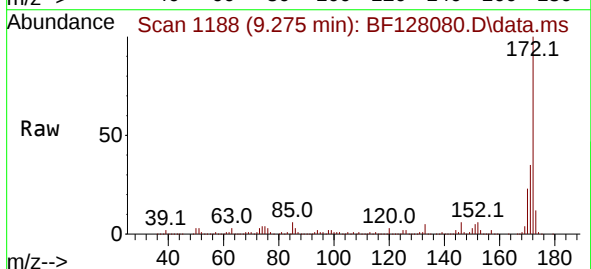
Manual Integrations
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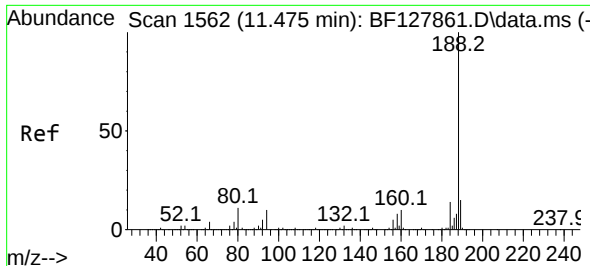
Reviewed By : Christian Giraldo 05/05/2022
Supervised By : Jagrut Upadhyay 05/05/2022



#45
2-Fluorobiphenyl
Concen: 66.629 ng
RT: 9.275 min Scan# 1188
Delta R.T. -0.006 min
Lab File: BF128080.D
Acq: 04 May 2022 19:18

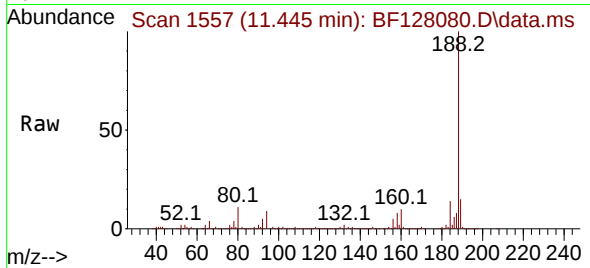
Tgt Ion: 172 Resp: 648152
Ion Ratio Lower Upper
172 100
171 34.6 28.6 42.8
170 23.2 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.445 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF128080.D
Acq: 04 May 2022 19:18

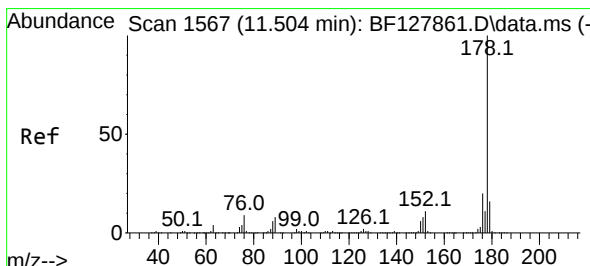
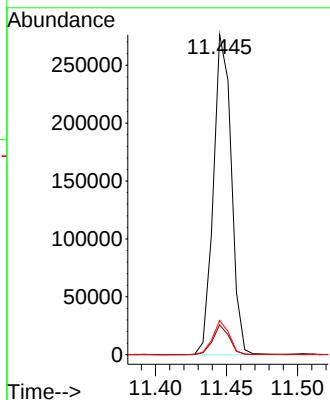
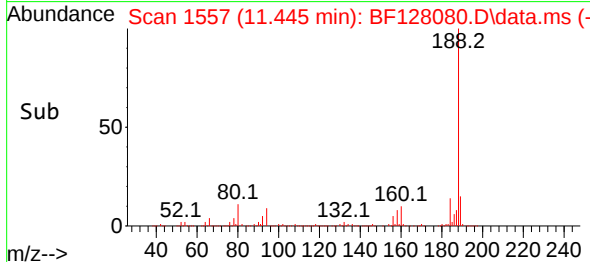
Instrument :
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ClientSampleId :
22L097-CRE



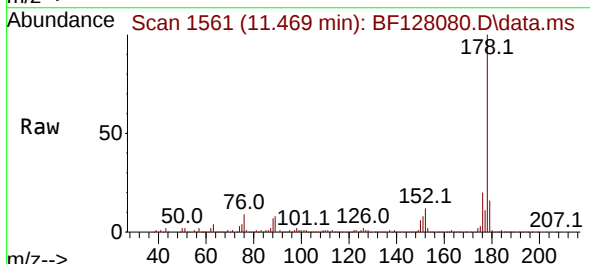
Tgt Ion:188 Resp: 24261
Ion Ratio Lower Upper
188 100
94 9.3 8.0 12.0
80 10.7 8.9 13.3

Manual Integrations
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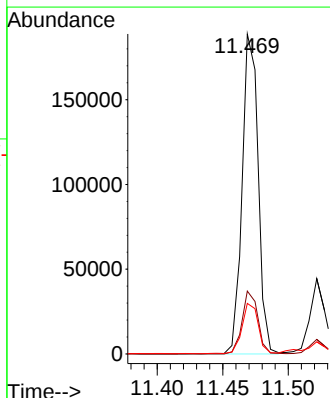
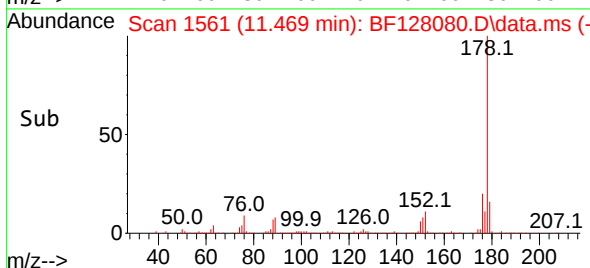
Reviewed By :Christian Giraldo 05/05/2022
Supervised By :Jagrut Upadhyay 05/05/2022

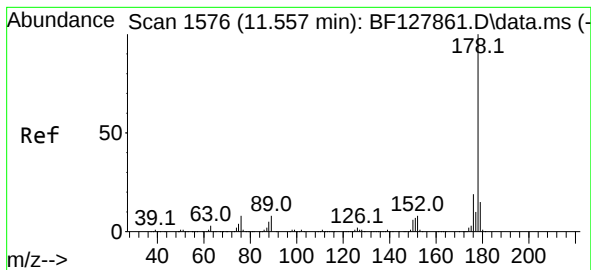


#71
Phenanthrene
Concen: 12.670 ng
RT: 11.469 min Scan# 1561
Delta R.T. -0.012 min
Lab File: BF128080.D
Acq: 04 May 2022 19:18



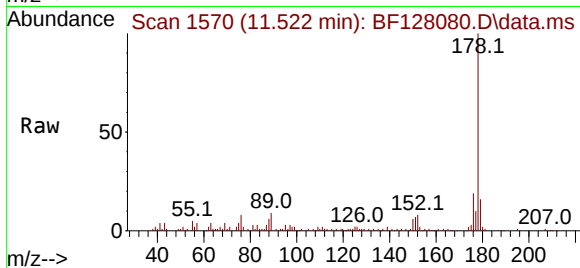
Tgt Ion:178 Resp: 160909
Ion Ratio Lower Upper
178 100
176 19.7 15.7 23.5
179 15.8 12.6 19.0





#72
 Anthracene
 Concen: 2.660 ng
 RT: 11.522 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF128080.D
 Acq: 04 May 2022 19:18

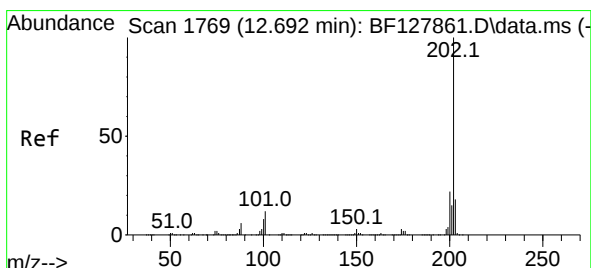
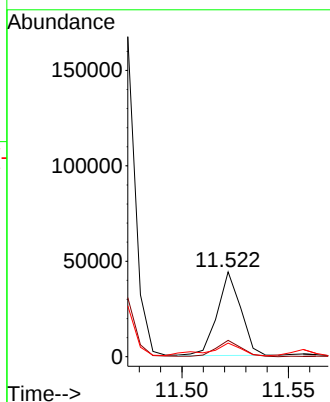
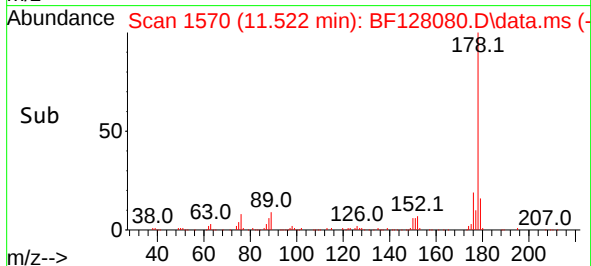
Instrument :
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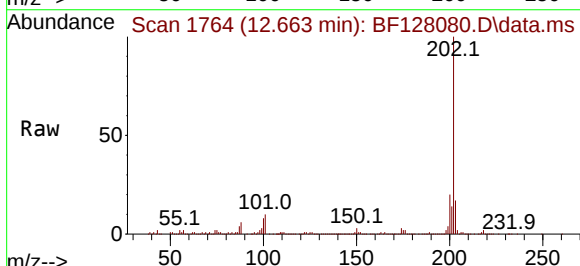
Tgt Ion:178 Resp: 33649
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.0 22.6
 179 16.1 12.4 18.6

Manual Integrations
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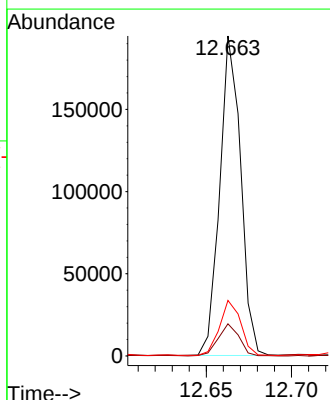
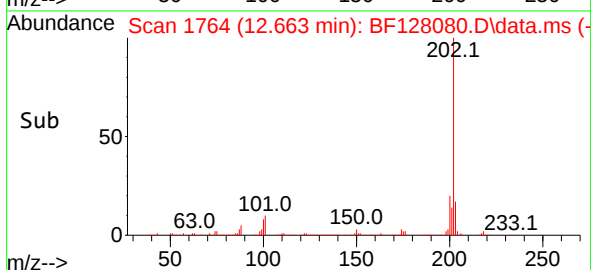
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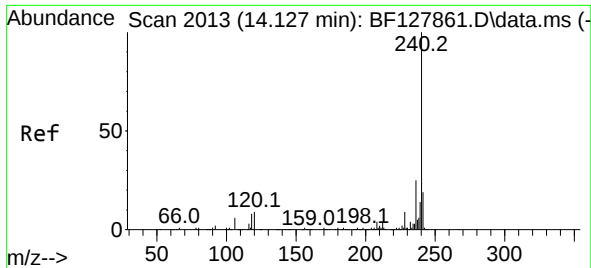


#75
 Fluoranthene
 Concen: 12.426 ng
 RT: 12.663 min Scan# 1764
 Delta R.T. -0.012 min
 Lab File: BF128080.D
 Acq: 04 May 2022 19:18



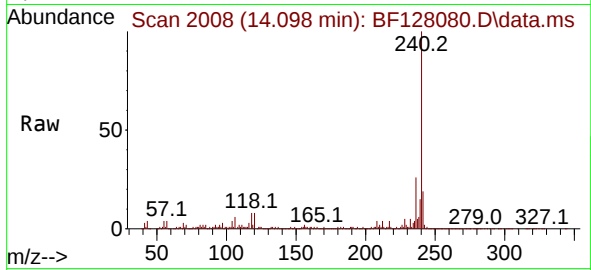
Tgt Ion:202 Resp: 166082
 Ion Ratio Lower Upper
 202 100
 101 10.0 0.0 31.6
 203 17.3 0.0 38.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2013
Delta R.T. -0.006 min
Lab File: BF128080.D
Acq: 04 May 2022 19:18

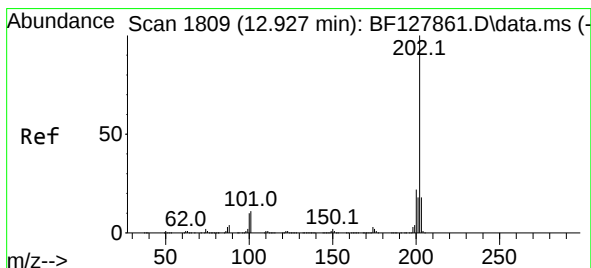
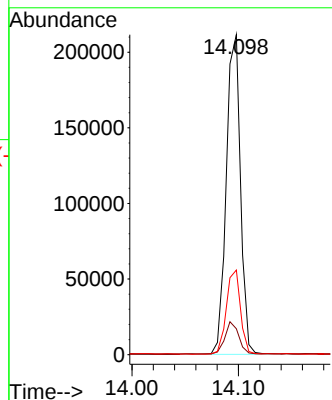
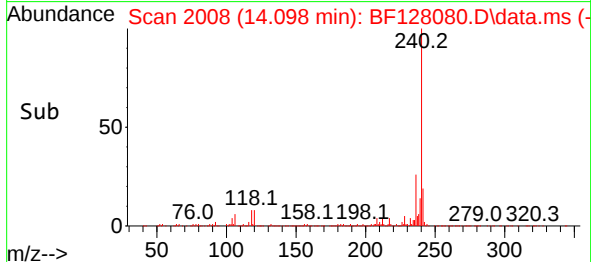
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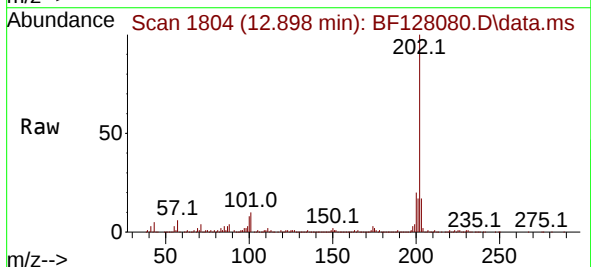
Tgt Ion:240 Resp: 19464
Ion Ratio Lower Upper
240 100
120 8.1 7.0 10.6
236 26.5 20.3 30.5

Manual Integrations
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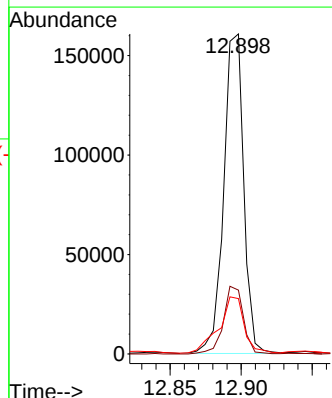
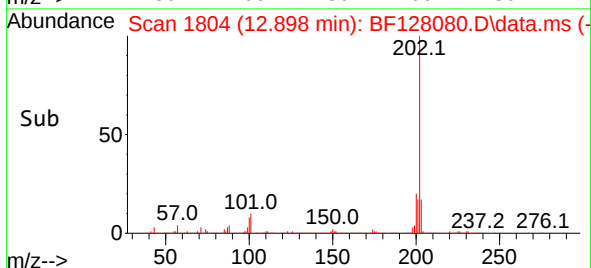
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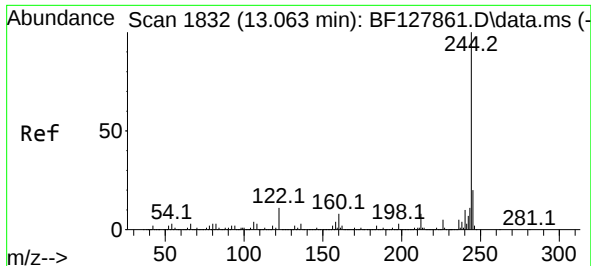


#78
Pyrene
Concen: 10.002 ng
RT: 12.898 min Scan# 1804
Delta R.T. -0.006 min
Lab File: BF128080.D
Acq: 04 May 2022 19:18



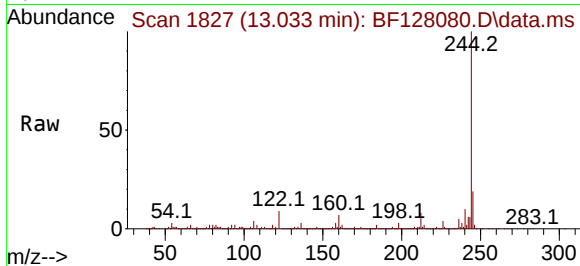
Tgt Ion:202 Resp: 157161
Ion Ratio Lower Upper
202 100
200 20.0 17.4 26.2
203 17.3 14.0 21.0





#79
 Terphenyl-d14
 Concen: 52.022 ng
 RT: 13.033 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF128080.D
 Acq: 04 May 2022 19:18

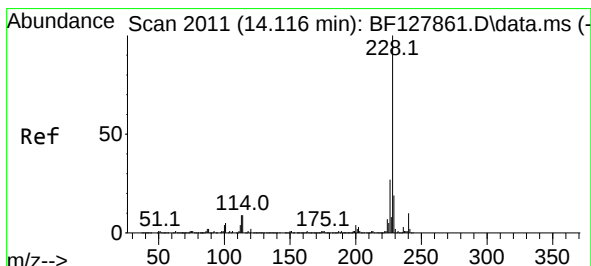
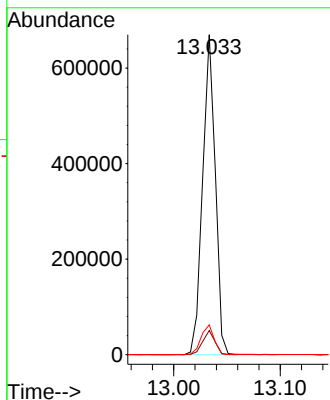
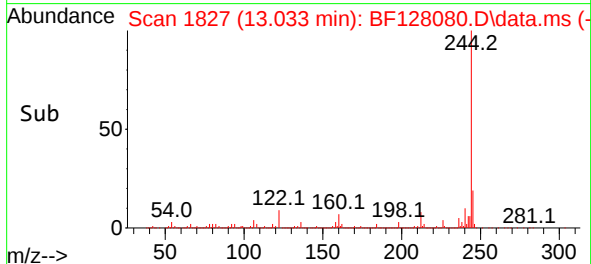
Instrument :
 BNA_F
 ClientSampleId :
 22L097-CRE



Tgt Ion:244 Resp: 553740
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.2 9.4
 122 9.3 8.6 12.8

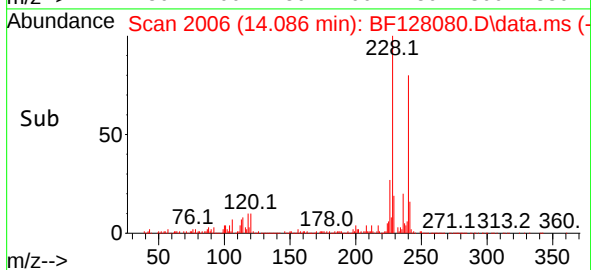
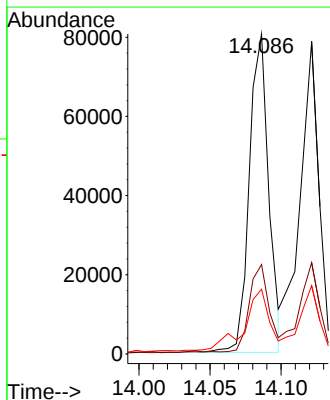
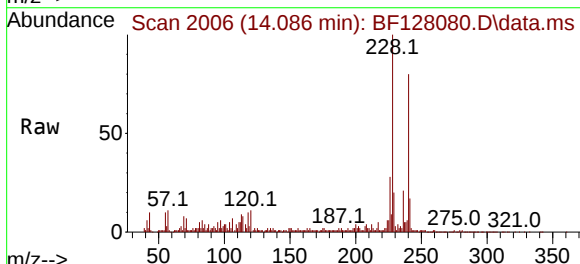
Manual Integrations
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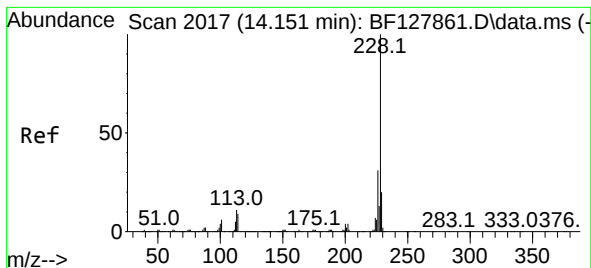
Reviewed By :Christian Giraldo 05/05/2022
 Supervised By :Jagrut Upadhyay 05/05/2022



#81
 Benzo(a)anthracene
 Concen: 5.897 ng
 RT: 14.086 min Scan# 2006
 Delta R.T. -0.006 min
 Lab File: BF128080.D
 Acq: 04 May 2022 19:18

Tgt Ion:228 Resp: 76506
 Ion Ratio Lower Upper
 228 100
 226 28.0 21.7 32.5
 229 20.3 15.4 23.2





#83

Chrysene

Concen: 5.922 ng

RT: 14.121 min Scan# 2017

Delta R.T. -0.012 min

Lab File: BF128080.D

Acq: 04 May 2022 19:18

Instrument :

BNA_F

ClientSampleId :

22L097-CRE

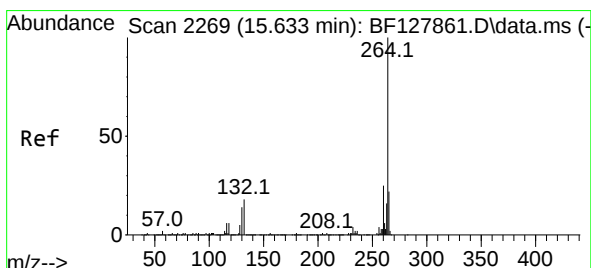
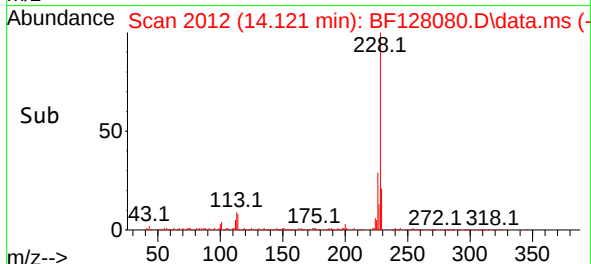
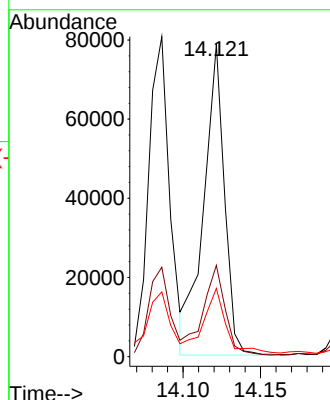
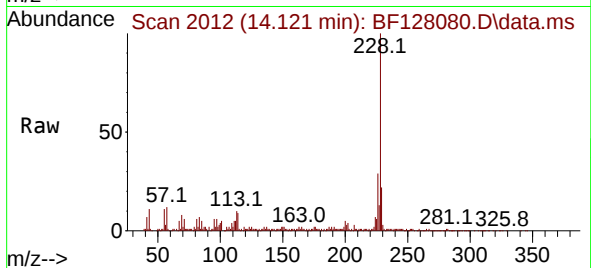
Tgt Ion:228	Resp:	7336
Ion Ratio	Lower	Upper
228	100	
226	29.3	24.4 36.6
229	21.8	15.8 23.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 05/05/2022

Supervised By :Jagrut Upadhyay 05/05/2022



#86

Perylene-d12

Concen: 20.000 ng

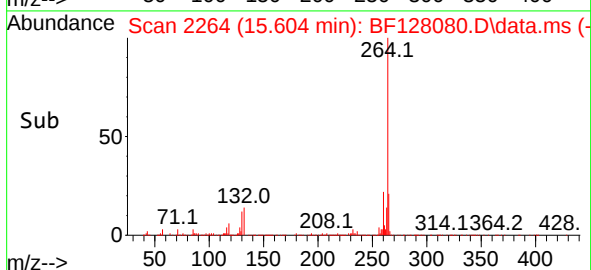
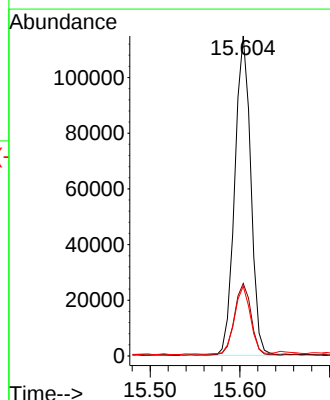
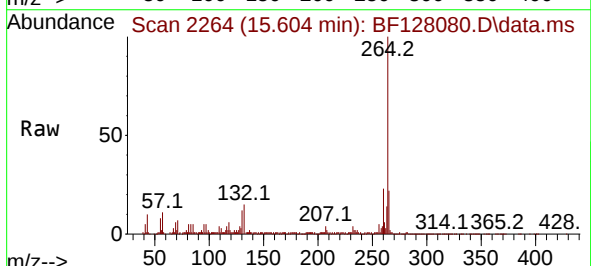
RT: 15.604 min Scan# 2264

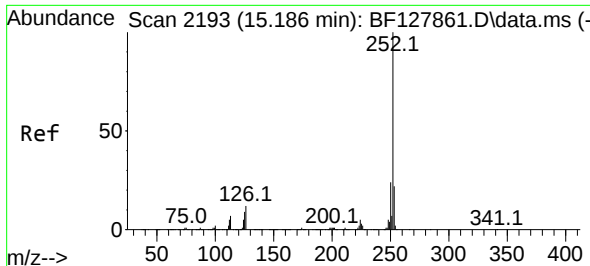
Delta R.T. -0.006 min

Lab File: BF128080.D

Acq: 04 May 2022 19:18

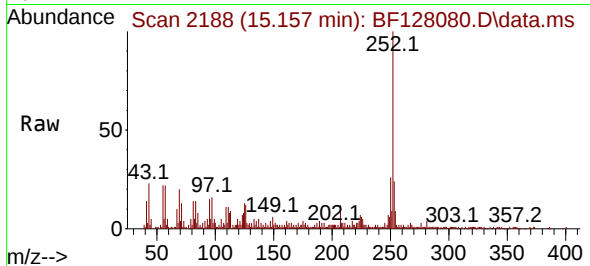
Tgt Ion:264	Resp:	141934
Ion Ratio	Lower	Upper
264	100	
260	22.6	20.1 30.1
265	21.8	17.5 26.3





#88
Benzo(b)fluoranthene
Concen: 7.103 ng m
RT: 15.157 min Scan# 2193
Delta R.T. -0.012 min
Lab File: BF128080.D
Acq: 04 May 2022 19:18

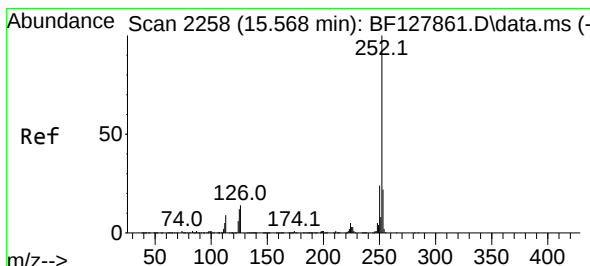
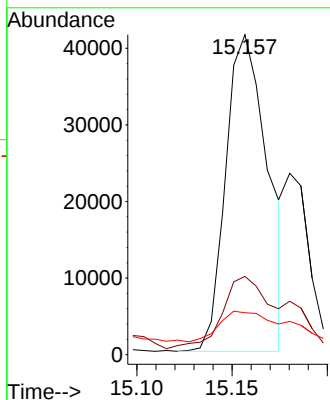
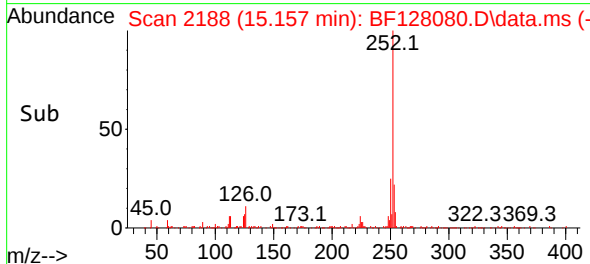
Instrument :
BNA_F
ClientSampleId :
22L097-CRE



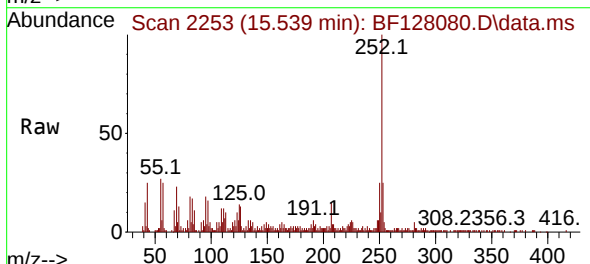
Tgt Ion:252 Resp: 63324
Ion Ratio Lower Upper
252 100
253 24.5 17.4 26.2
125 13.1 7.4 11.2

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 05/05/2022
Supervised By :Jagrut Upadhyay 05/05/2022



#90
Benzo(a)pyrene
Concen: 5.665 ng
RT: 15.539 min Scan# 2253
Delta R.T. -0.012 min
Lab File: BF128080.D
Acq: 04 May 2022 19:18



Tgt Ion:252 Resp: 41894
Ion Ratio Lower Upper
252 100
253 25.2 17.8 26.6
125 14.4 9.2 13.8

