

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041822\
 Data File : BF127828.D
 Acq On : 18 Apr 2022 16:36
 Operator : CG\JU
 Sample : N2444-05 10X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-4D

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/19/2022
 Supervised By : Jagrut Upadhyay 04/19/2022

Quant Time: Apr 19 05:15:37 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF040622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 13 16:40:15 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.951	152	144484	20.000	ng	-0.01
21) Naphthalene-d8	8.239	136	461007	20.000	ng	# 0.00
39) Acenaphthene-d10	10.004	164	217932	20.000	ng	0.00
64) Phenanthrene-d10	11.498	188	334650	20.000	ng	0.00
76) Chrysene-d12	14.139	240	293089	20.000	ng	0.00
86) Perylene-d12	15.662	264	293134	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	92851	10.442	ng	-0.02
7) Phenol-d6	6.563	99	115255	9.908	ng	-0.02
23) Nitrobenzene-d5	7.510	82	96673m	9.349	ng	-0.02
42) 2,4,6-Tribromophenol	10.792	330	19528	8.420	ng	0.00
45) 2-Fluorobiphenyl	9.310	172	118476	7.691	ng	-0.01
79) Terphenyl-d14	13.080	244	104117	5.864	ng	0.00
Target Compounds						Qvalue
38) 1-Methylnaphthalene	9.063	142	1414785	90.722	ng	100
52) Acenaphthene	10.039	154	144719m	11.402	ng	
58) Fluorene	10.557	166	275044	20.098	ng	# 93
71) Phenanthrene	11.527	178	1152496	64.999	ng	97
75) Fluoranthene	12.716	202	75671	3.911	ng	75
78) Pyrene	12.945	202	348282	14.072	ng	# 92
81) Benzo(a)anthracene	14.127	228	84398	4.311	ng	# 40
83) Chrysene	14.162	228	160859	8.561	ng	# 60

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

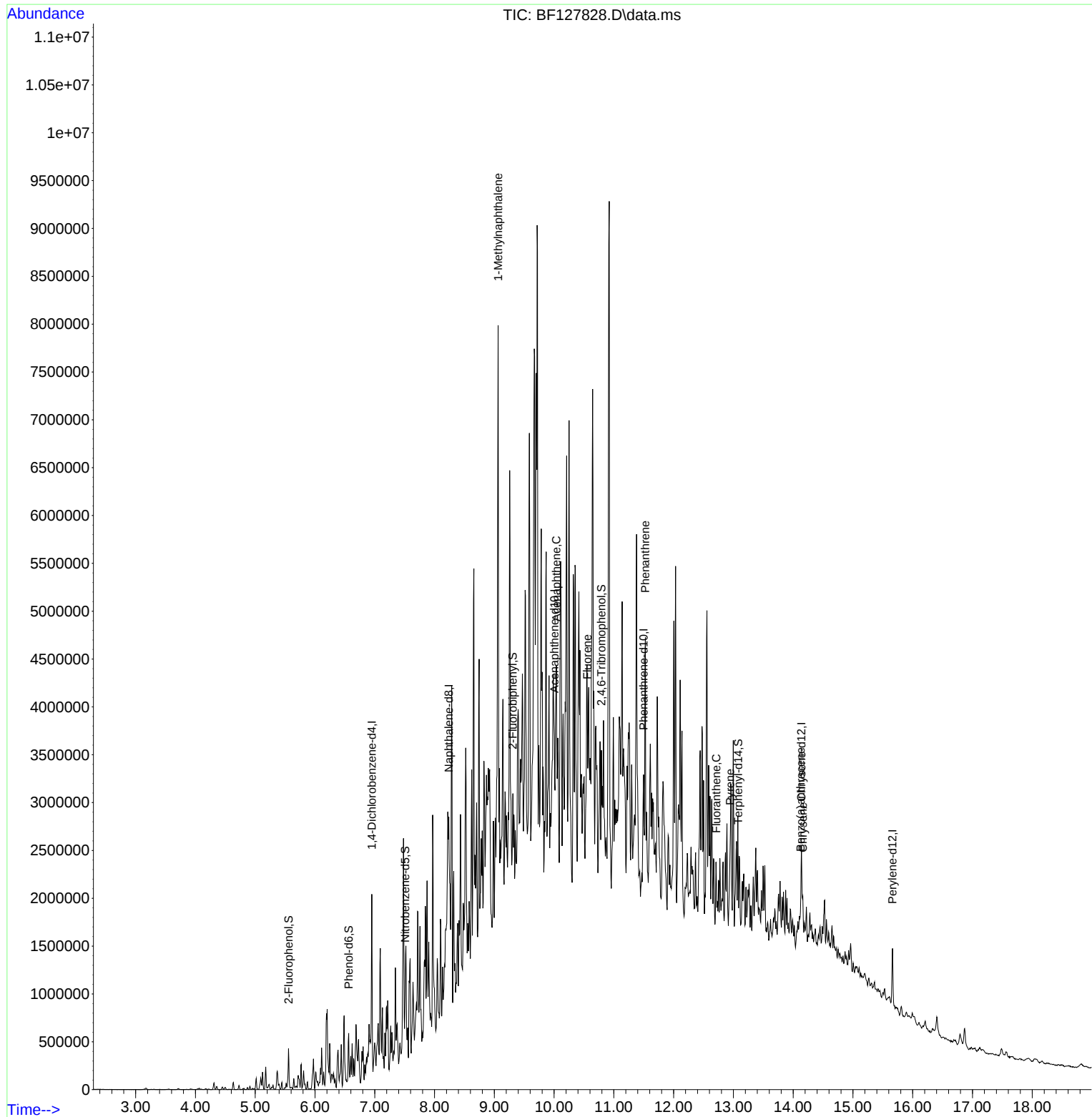
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041822\
Data File : BF127828.D
Acq On : 18 Apr 2022 16:36
Operator : CG\JU
Sample : N2444-05 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

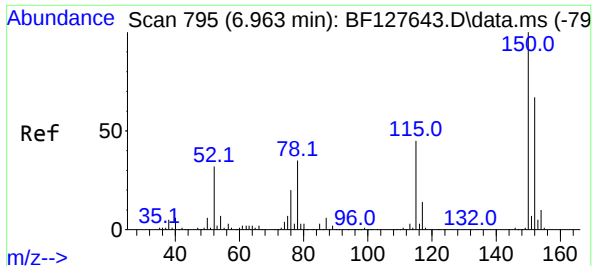
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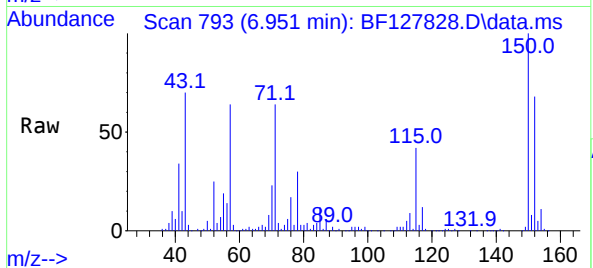
Quant Time: Apr 19 05:15:37 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF040622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 13 16:40:15 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.951 min Scan# 795
Delta R.T. -0.012 min
Lab File: BF127828.D
Acq: 18 Apr 2022 16:36

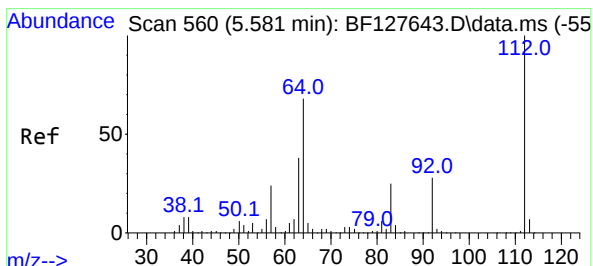
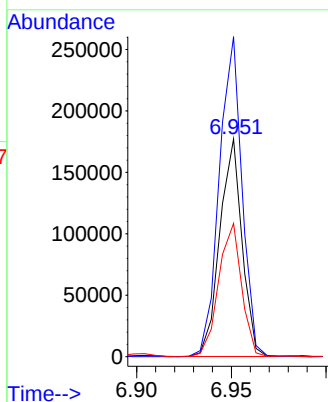
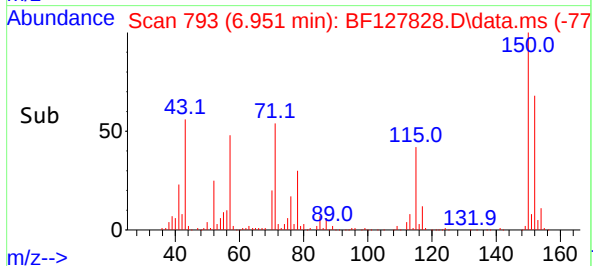
Instrument :
BNA_F
ClientSampleId :
SB-4D



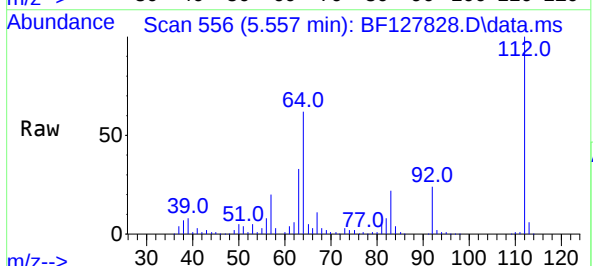
Tgt Ion:152 Resp: 144484
Ion Ratio Lower Upper
152 100
150 147.0 117.2 175.8
115 61.2 49.8 74.6

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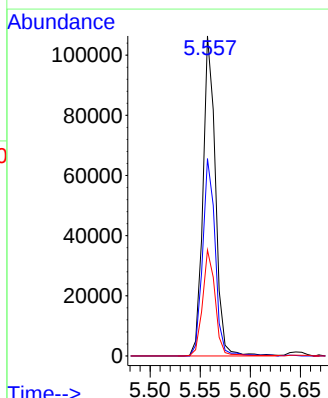
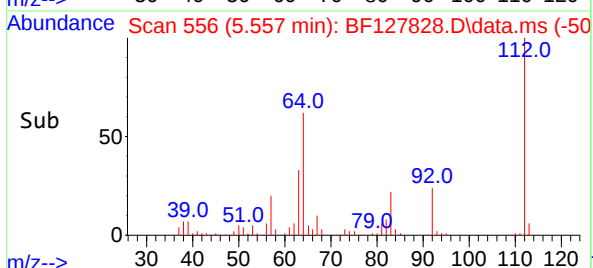
Reviewed By :Christian Giraldo 04/19/2022
Supervised By :Jagrut Upadhyay 04/19/2022

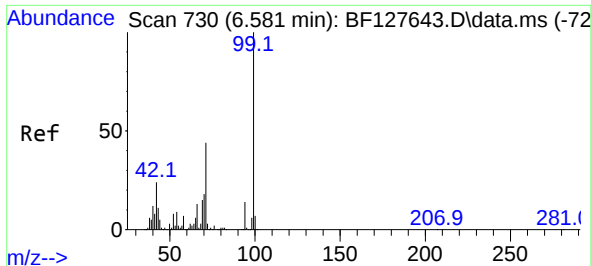


#5
2-Fluorophenol
Concen: 10.442 ng
RT: 5.557 min Scan# 556
Delta R.T. -0.024 min
Lab File: BF127828.D
Acq: 18 Apr 2022 16:36



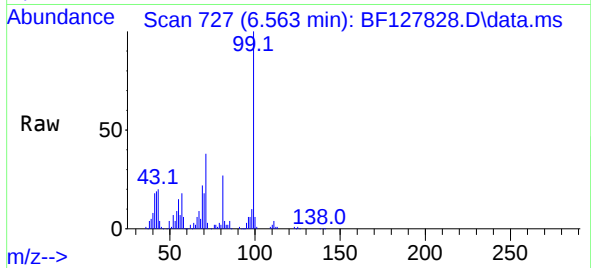
Tgt Ion:112 Resp: 92851
Ion Ratio Lower Upper
112 100
64 61.6 58.4 87.6
63 33.1 30.1 45.1





#7
Phenol-d6
Concen: 9.908 ng
RT: 6.563 min Scan# 71
Delta R.T. -0.024 min
Lab File: BF127828.D
Acq: 18 Apr 2022 16:36

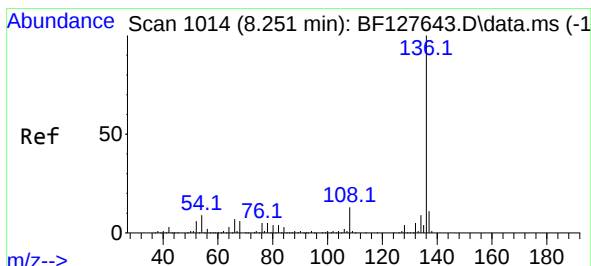
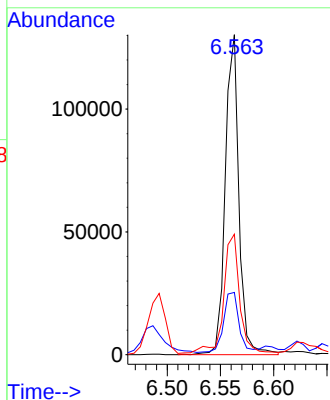
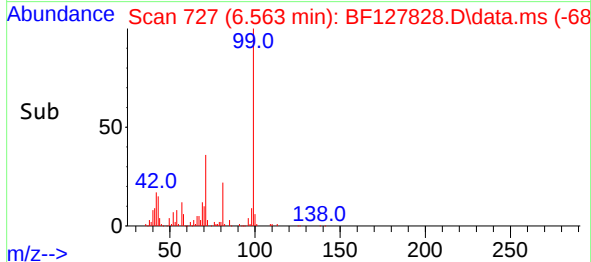
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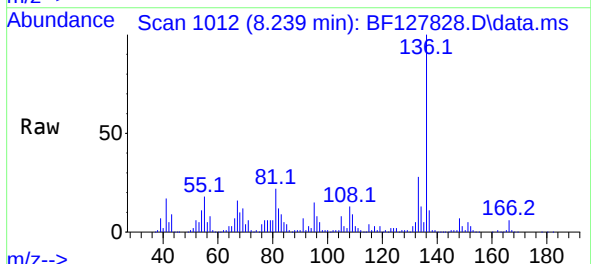
Tgt Ion: 99 Resp: 11525
Ion Ratio Lower Upper
99 100
42 19.5 17.8 26.6
71 37.7 29.6 44.4

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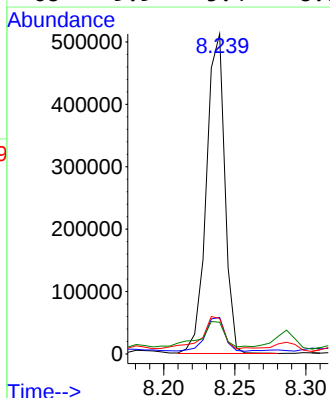
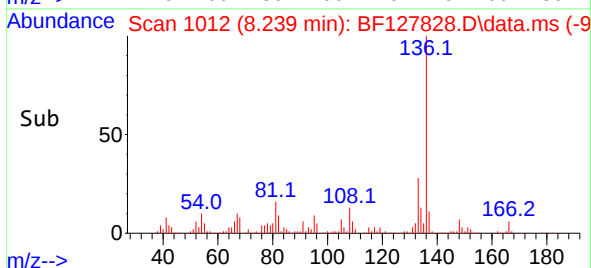
Reviewed By :Christian Giraldo 04/19/2022
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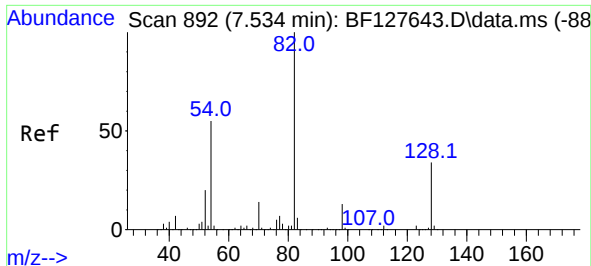


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF127828.D
Acq: 18 Apr 2022 16:36



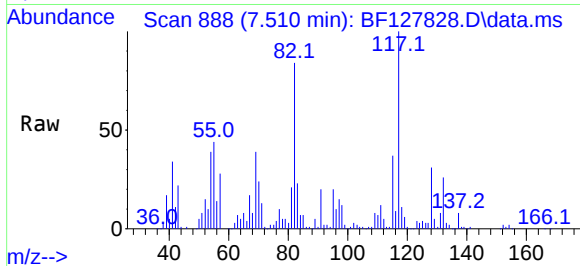
Tgt Ion:136 Resp: 461007
Ion Ratio Lower Upper
136 100
137 11.4 8.6 13.0
54 11.1 9.2 13.8
68 9.9 5.4 8.0#





#23
Nitrobenzene-d5
Concen: 9.349 ng m
RT: 7.510 min Scan# 892
Delta R.T. -0.018 min
Lab File: BF127828.D
Acq: 18 Apr 2022 16:36

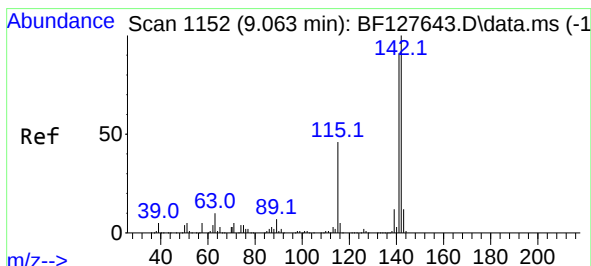
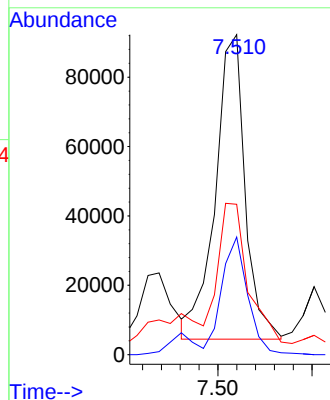
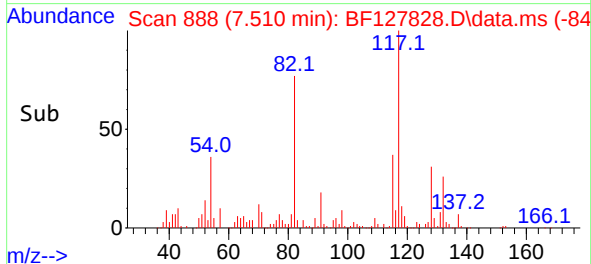
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 82 Resp: 9667
Ion Ratio Lower Upper
82 100
128 36.8 30.6 45.8
54 47.0 48.2 72.2

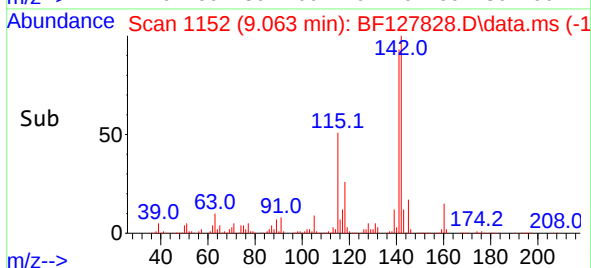
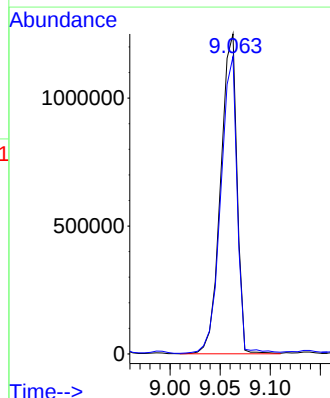
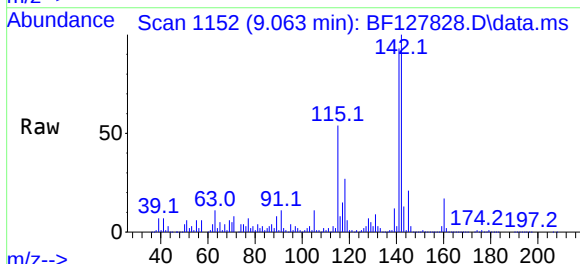
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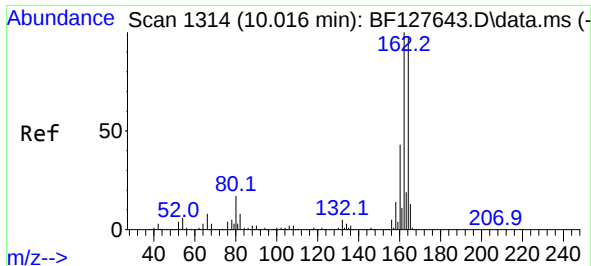
Reviewed By :Christian Giraldo 04/19/2022
Supervised By :Jagrut Upadhyay 04/19/2022



#38
1-Methylnaphthalene
Concen: 90.722 ng
RT: 9.063 min Scan# 1152
Delta R.T. 0.006 min
Lab File: BF127828.D
Acq: 18 Apr 2022 16:36

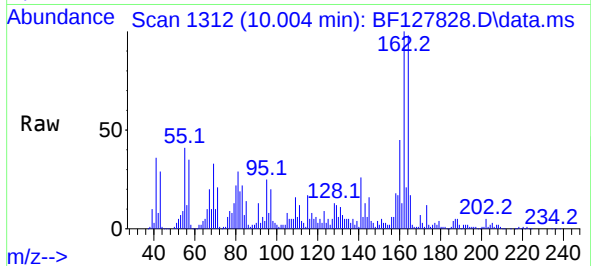
Tgt Ion:142 Resp: 1414785
Ion Ratio Lower Upper
142 100
141 93.0 74.2 111.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF127828.D
Acq: 18 Apr 2022 16:36

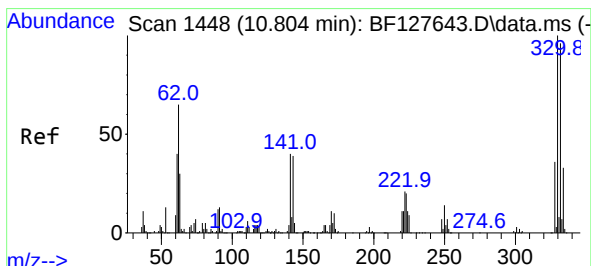
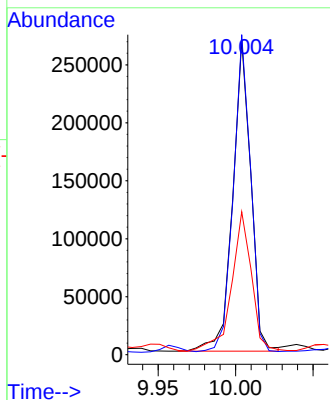
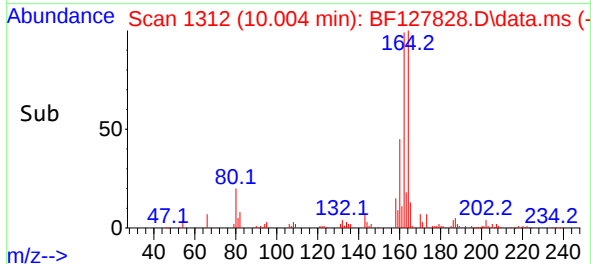
Instrument :
BNA_F
ClientSampleId :
SB-4D



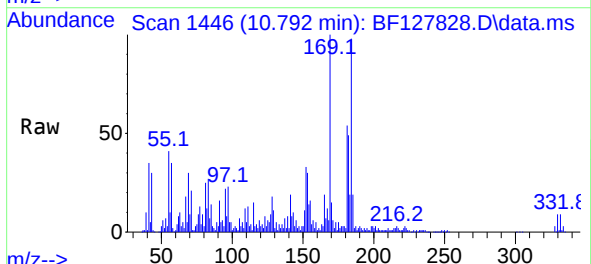
Tgt Ion:164 Resp: 21793
Ion Ratio Lower Upper
164 100
162 101.8 81.2 121.8
160 45.5 34.6 52.0

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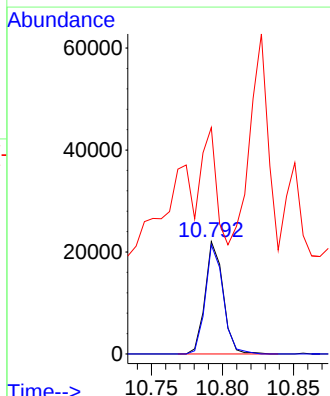
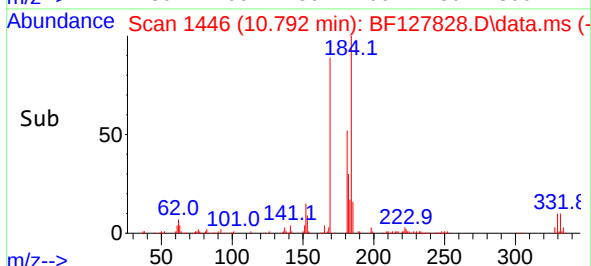
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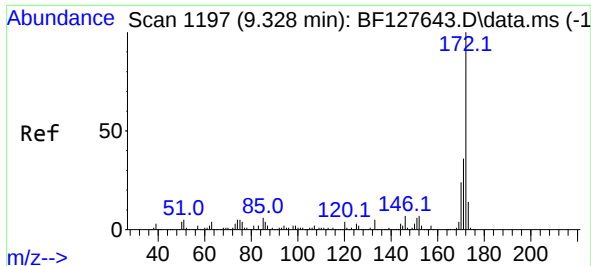


#42
2,4,6-Tribromophenol
Concen: 8.420 ng
RT: 10.792 min Scan# 1446
Delta R.T. -0.006 min
Lab File: BF127828.D
Acq: 18 Apr 2022 16:36



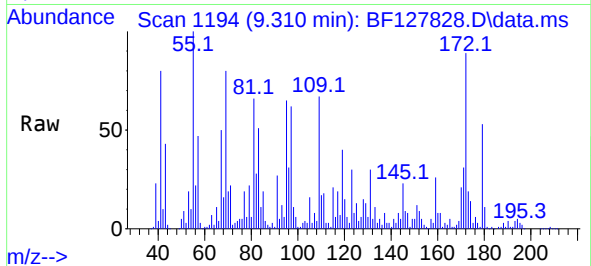
Tgt Ion:330 Resp: 19528
Ion Ratio Lower Upper
330 100
332 96.0 79.1 118.7
141 81.6 26.2 39.4#





#45
2-Fluorobiphenyl
Concen: 7.691 ng
RT: 9.310 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF127828.D
Acq: 18 Apr 2022 16:36

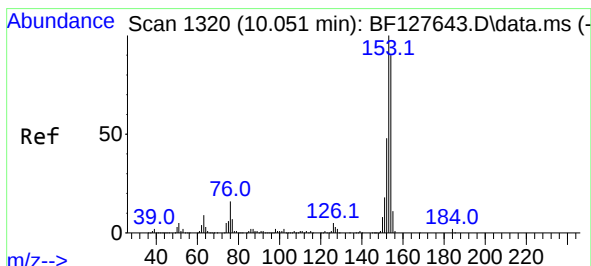
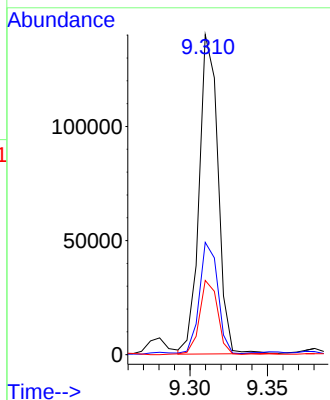
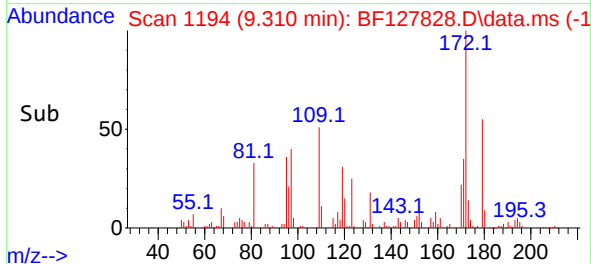
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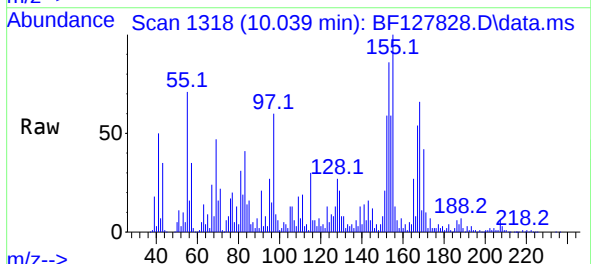
Tgt Ion:172 Resp: 118470
Ion Ratio Lower Upper
172 100
171 35.1 28.4 42.6
170 23.2 18.6 27.8

Manual Integrations
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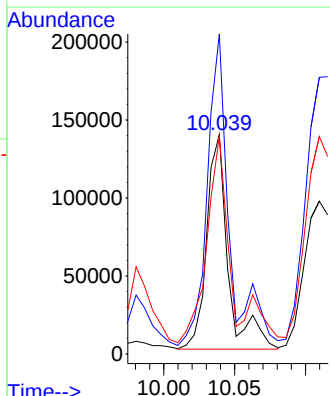
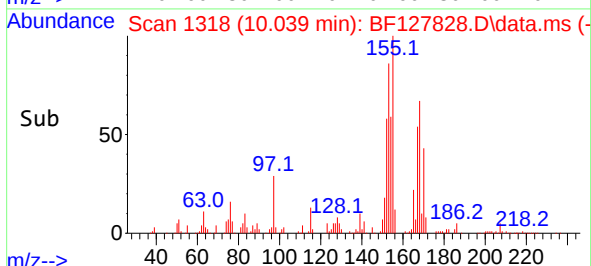
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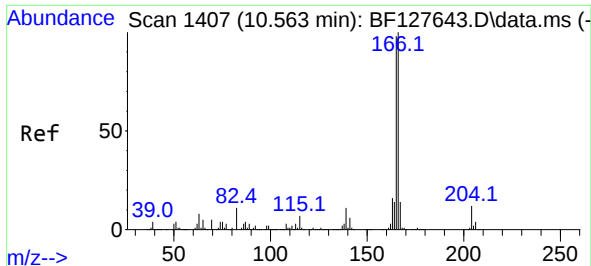


#52
Acenaphthene
Concen: 11.402 ng m
RT: 10.039 min Scan# 1318
Delta R.T. -0.000 min
Lab File: BF127828.D
Acq: 18 Apr 2022 16:36



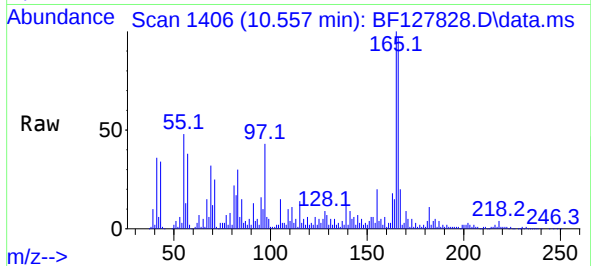
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Ion Ratio Lower Upper
154 100
153 145.8 87.6 131.4#
152 99.3 42.9 64.3#





#58
Fluorene
Concen: 20.098 ng
RT: 10.557 min Scan# 1407
Delta R.T. -0.000 min
Lab File: BF127828.D
Acq: 18 Apr 2022 16:36

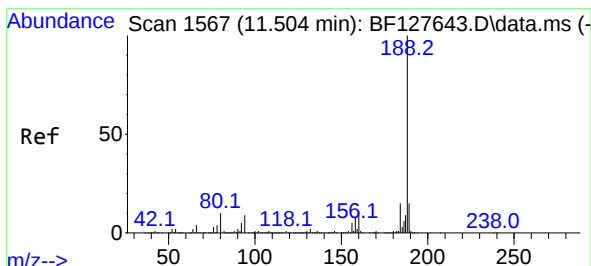
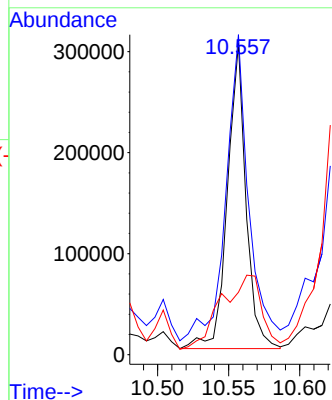
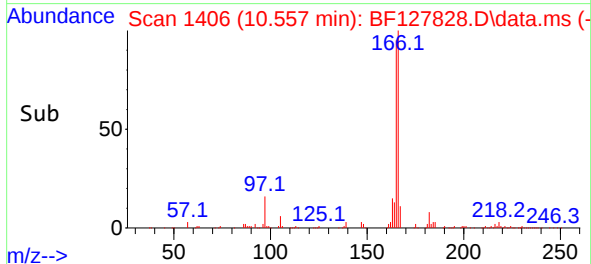
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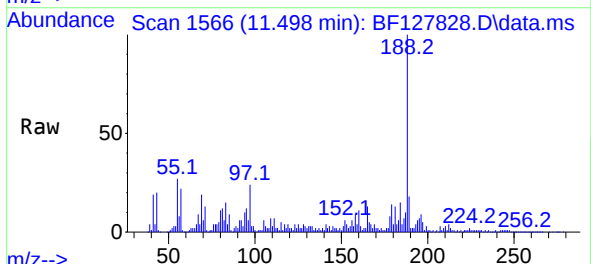
Tgt Ion:166 Resp: 275044
Ion Ratio Lower Upper
166 100
165 102.8 78.1 117.1
167 20.1 10.5 15.7

Manual Integrations
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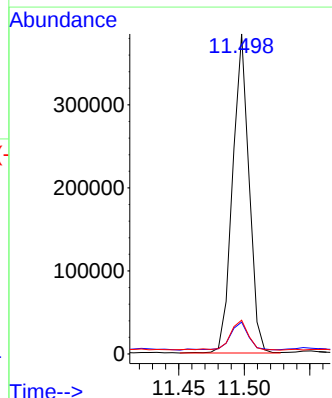
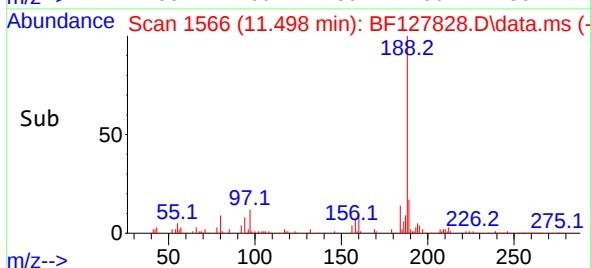
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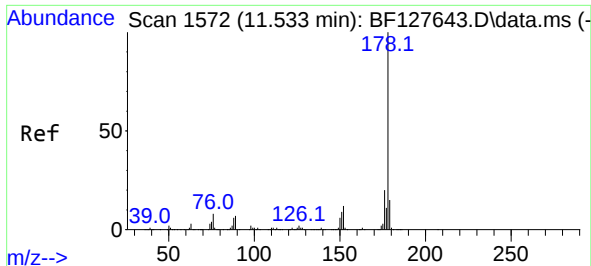


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.498 min Scan# 1566
Delta R.T. 0.006 min
Lab File: BF127828.D
Acq: 18 Apr 2022 16:36



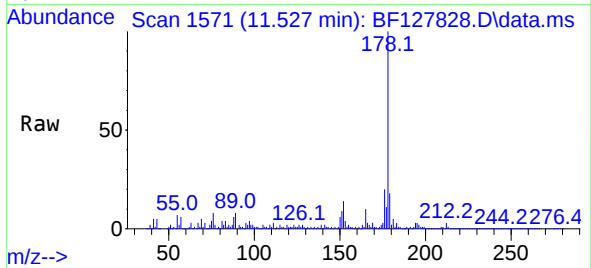
Tgt Ion:188 Resp: 334650
Ion Ratio Lower Upper
188 100
94 9.9 7.4 11.0
80 10.5 8.0 12.0





#71
Phenanthrene
Concen: 64.999 ng
RT: 11.527 min Scan# 1152490
Delta R.T. 0.006 min
Lab File: BF127828.D
Acq: 18 Apr 2022 16:36

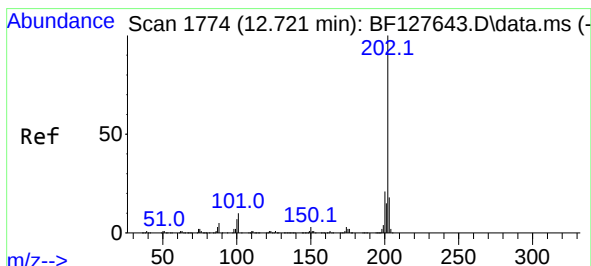
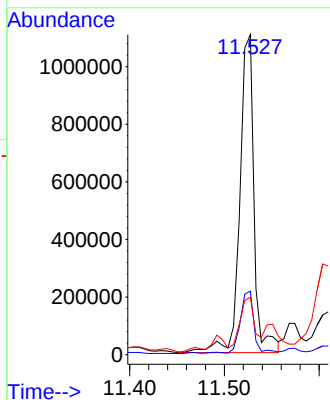
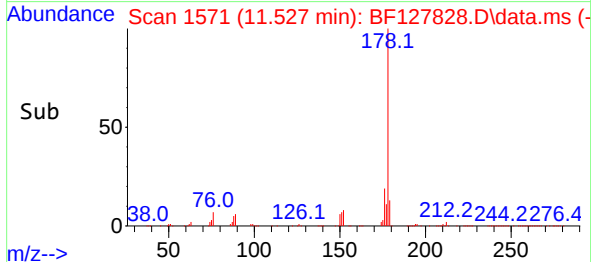
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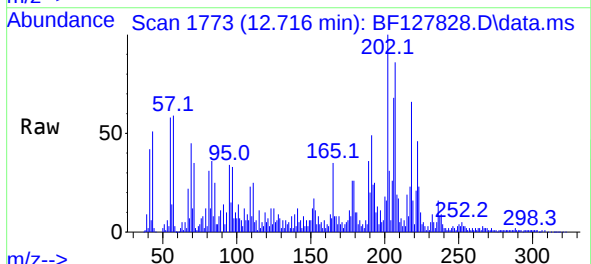
Tgt Ion:178 Resp: 1152490
Ion Ratio Lower Upper
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176 19.8 15.4 23.2
179 17.9 12.4 18.6

Manual Integrations
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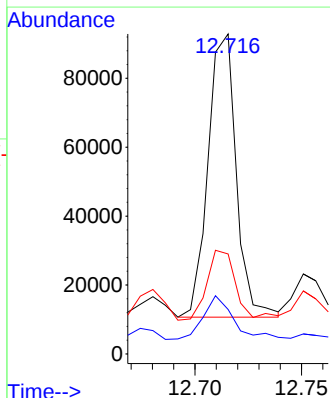
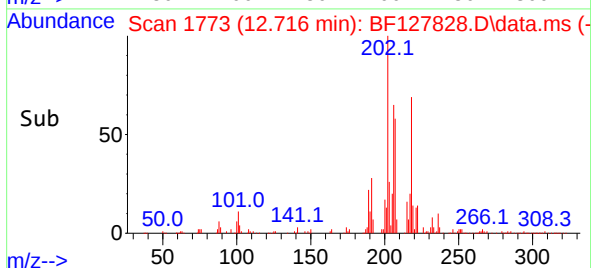
Reviewed By :Christian Giraldo 04/19/2022
Supervised By :Jagrut Upadhyay 04/19/2022

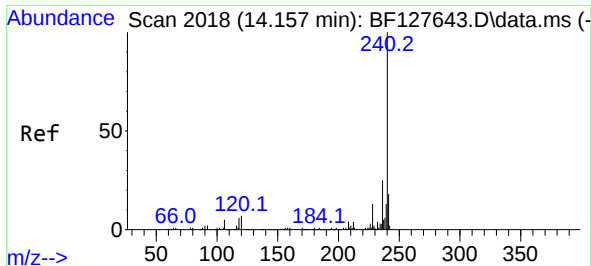


#75
Fluoranthene
Concen: 3.911 ng
RT: 12.716 min Scan# 1773
Delta R.T. 0.006 min
Lab File: BF127828.D
Acq: 18 Apr 2022 16:36



Tgt Ion:202 Resp: 75671
Ion Ratio Lower Upper
202 100
101 13.9 0.0 29.0
203 31.2 0.0 37.7





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.139 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF127828.D
Acq: 18 Apr 2022 16:36

Instrument :

BNA_F

ClientSampleId :

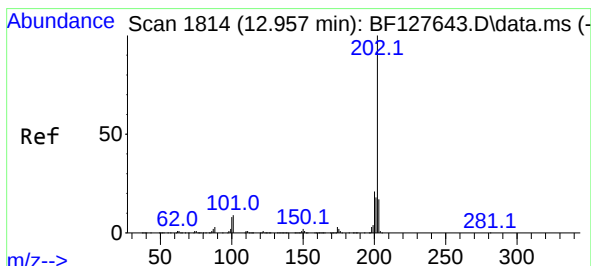
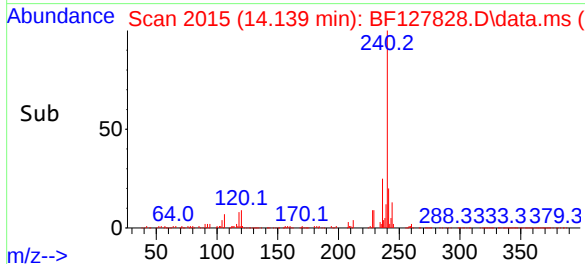
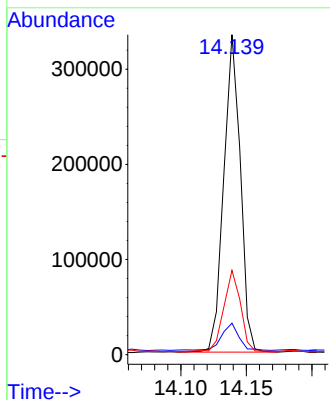
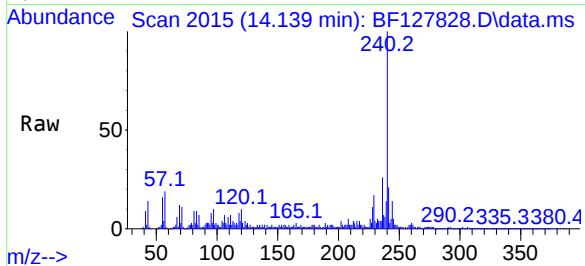
SB-4D

Tgt Ion:240 Resp: 293089
Ion Ratio Lower Upper
240 100
120 9.9 7.1 10.7
236 26.4 20.7 31.1

Manual Integrations

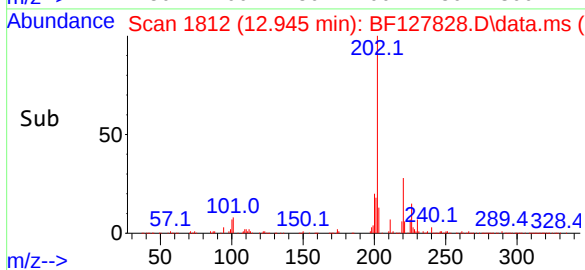
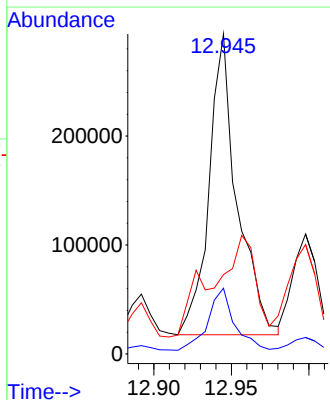
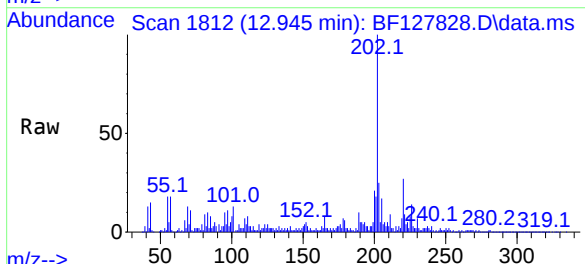
APPROVED

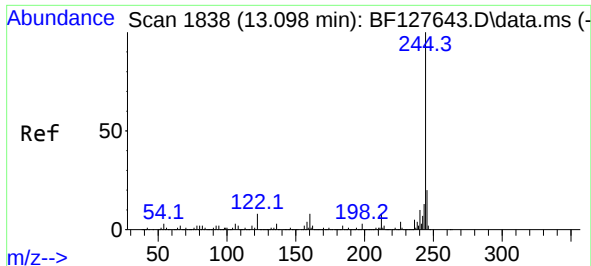
Reviewed By :Christian Giraldo 04/19/2022
Supervised By :Jagrut Upadhyay 04/19/2022



#78
Pyrene
Concen: 14.072 ng
RT: 12.945 min Scan# 1812
Delta R.T. -0.000 min
Lab File: BF127828.D
Acq: 18 Apr 2022 16:36

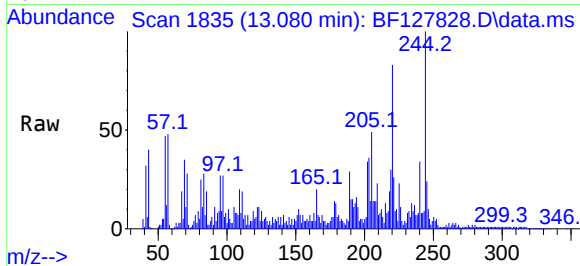
Tgt Ion:202 Resp: 348282
Ion Ratio Lower Upper
202 100
200 20.6 17.1 25.7
203 24.8 14.3 21.5#





#79
Terphenyl-d14
Concen: 5.864 ng
RT: 13.080 min Scan# 10411
Delta R.T. -0.000 min
Lab File: BF127828.D
Acq: 18 Apr 2022 16:36

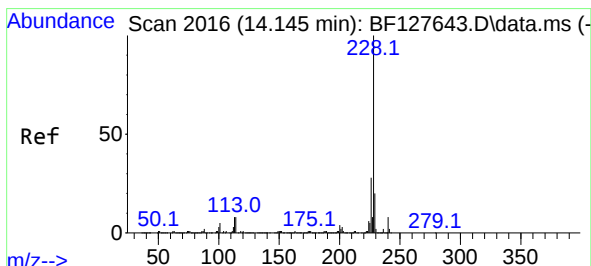
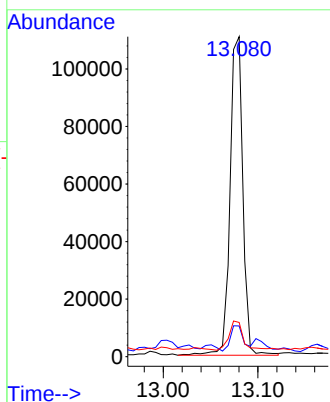
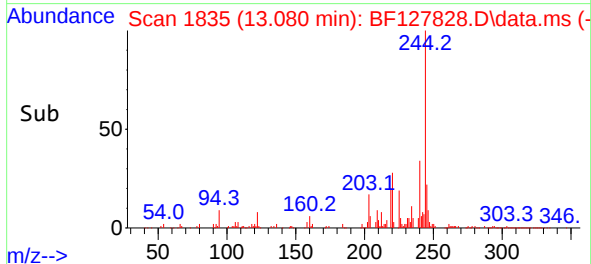
Instrument :
BNA_F
ClientSampleId :
SB-4D



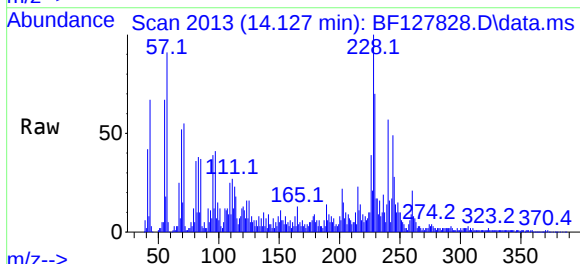
Tgt Ion:244 Resp: 10411
Ion Ratio Lower Upper
244 100
212 9.6 5.7 8.5
122 10.7 6.2 9.2

Manual Integrations
APPROVED

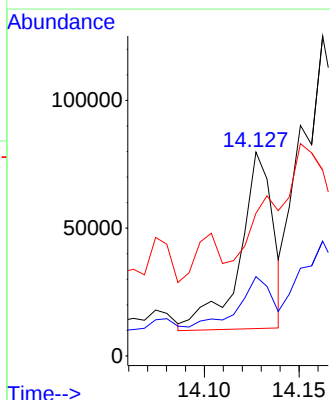
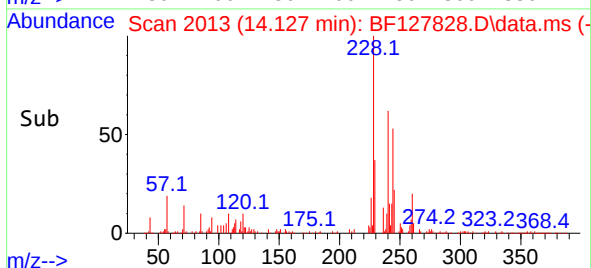
Reviewed By :Christian Giraldo 04/19/2022
Supervised By :Jagrut Upadhyay 04/19/2022

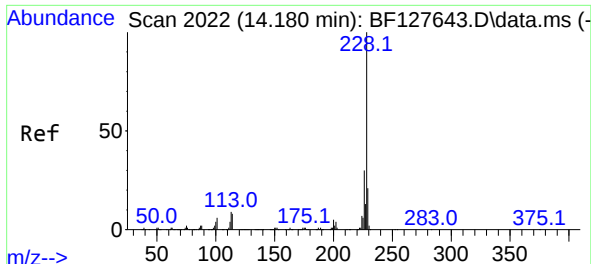


#81
Benzo(a)anthracene
Concen: 4.311 ng
RT: 14.127 min Scan# 2013
Delta R.T. -0.006 min
Lab File: BF127828.D
Acq: 18 Apr 2022 16:36



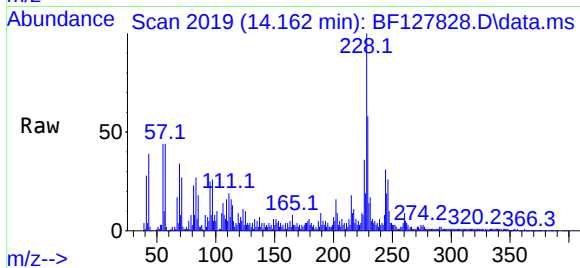
Tgt Ion:228 Resp: 84398
Ion Ratio Lower Upper
228 100
226 38.9 21.6 32.4#
229 70.0 15.4 23.2#





#83
Chrysene
Concen: 8.561 ng
RT: 14.162 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF127828.D
Acq: 18 Apr 2022 16:36

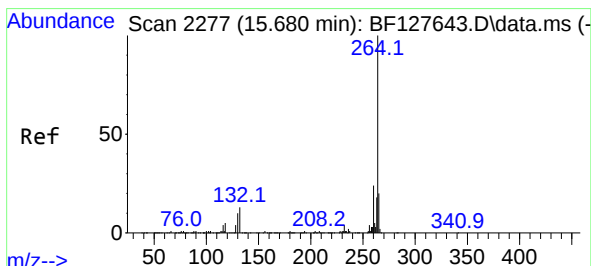
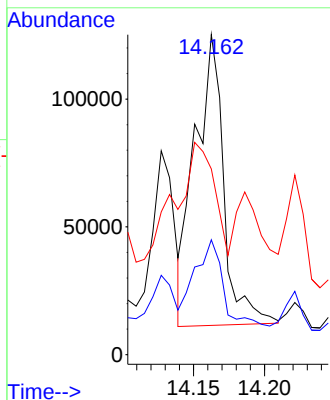
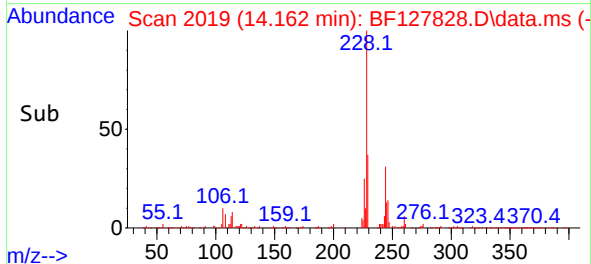
Instrument :
BNA_F
ClientSampleId :
SB-4D



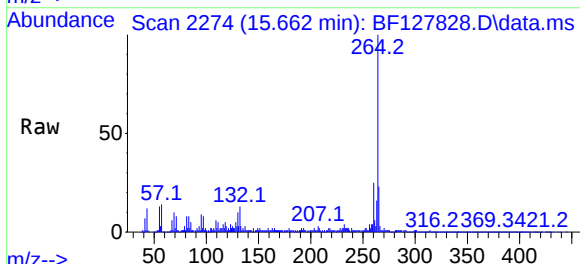
Tgt Ion:228 Resp: 160859
Ion Ratio Lower Upper
228 100
226 35.9 24.2 36.4
229 58.0 15.4 23.2

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 04/19/2022
Supervised By :Jagrut Upadhyay 04/19/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.662 min Scan# 2274
Delta R.T. -0.000 min
Lab File: BF127828.D
Acq: 18 Apr 2022 16:36



Tgt Ion:264 Resp: 293134
Ion Ratio Lower Upper
264 100
260 25.1 19.1 28.7
265 23.1 17.4 26.2

