

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121820\
 Data File : BF122795.D
 Acq On : 18 Dec 2020 20:13
 Operator : JU/CG
 Sample : L5036-03DL 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-2DL

Manual Integrations
 APPROVED

mohammad
 12/21/2020 10:42:40 AM

Quant Time: Dec 18 23:34:50 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 15 18:14:23 2020
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	148277	20.00	ng	0.00
21) Naphthalene-d8	8.104	136	565409	20.00	ng	0.00
39) Acenaphthene-d10	9.857	164	273991	20.00	ng	0.00
64) Phenanthrene-d10	11.339	188	438709	20.00	ng	0.00
76) Chrysene-d12	13.986	240	350843	20.00	ng	0.00
86) Perylene-d12	15.445	264	433150	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	426458	45.53	ng	0.00
7) Phenol-d6	6.445	99	521105	41.95	ng	-0.01
23) Nitrobenzene-d5	7.375	82	315343	27.94	ng	-0.02
42) 2,4,6-Tribromophenol	10.645	330	141606	39.48	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	632499	31.22	ng	-0.01
79) Terphenyl-d14	12.927	244	511955	25.54	ng	0.00
Target Compounds						Qvalue
50) Dimethylphthalate	9.569	163	79757	3.64	ng	99
52) Acenaphthene	9.886	154	83163	4.62	ng	99
58) Fluorene	10.404	166	74698	3.71	ng	98
71) Phenanthrene	11.369	178	982309	37.68	ng	99
72) Anthracene	11.416	178	221014	8.55	ng	99
75) Fluoranthene	12.557	202	860067	31.46	ng	100
78) Pyrene	12.786	202	858288	31.64	ng	99
81) Benzo(a)anthracene	13.974	228	435488	18.57	ng	99
83) Chrysene	14.010	228	426255m	18.27	ng	
87) Indeno(1,2,3-cd)pyrene	16.886	276	219571	7.72	ng	97
88) Benzo(b)fluoranthene	15.021	252	490893m	16.15	ng	
89) Benzo(k)fluoranthene	15.045	252	123406m	4.44	ng	
90) Benzo(a)pyrene	15.380	252	362032	13.62	ng	98
91) Dibenzo(a,h)anthracene	16.892	278	64888	2.79	ng	# 91
92) Benzo(g,h,i)perylene	17.321	276	215797	9.58	ng	98

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

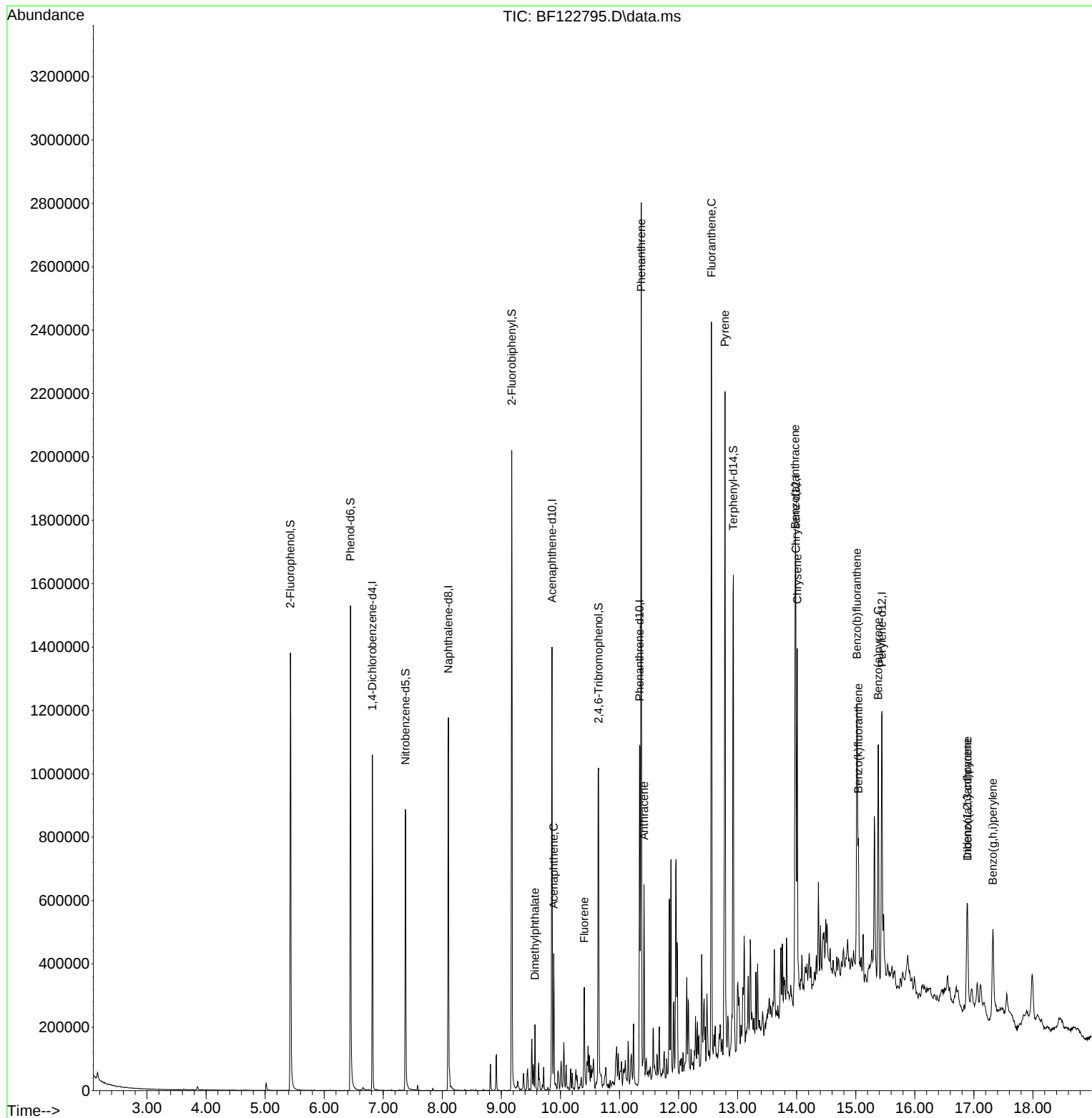
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121820\
Data File : BF122795.D
Acq On : 18 Dec 2020 20:13
Operator : JU/CG
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ALS Vial : 14 Sample Multiplier: 1

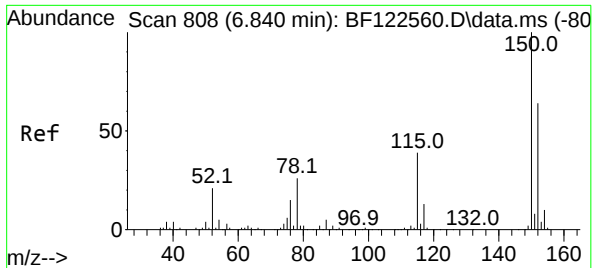
Instrument :
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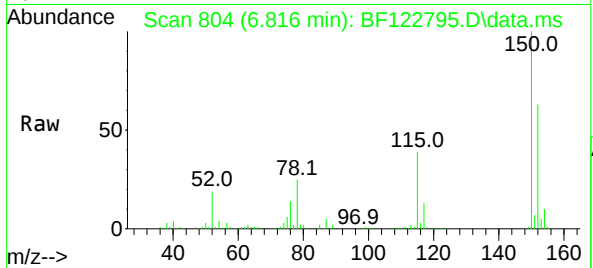
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Quant Time: Dec 18 23:34:50 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 15 18:14:23 2020
Response via : Initial Calibration

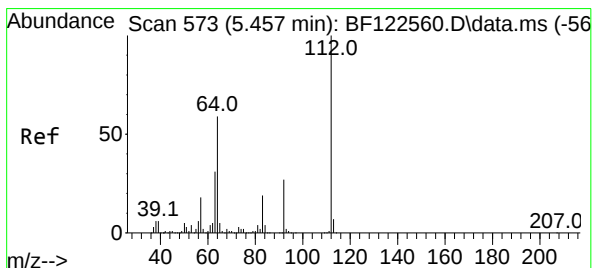
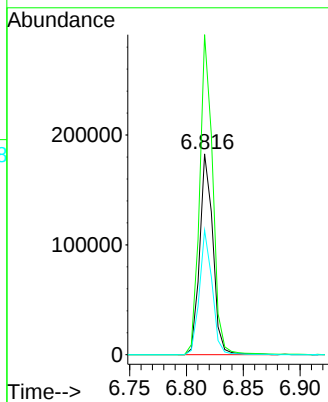
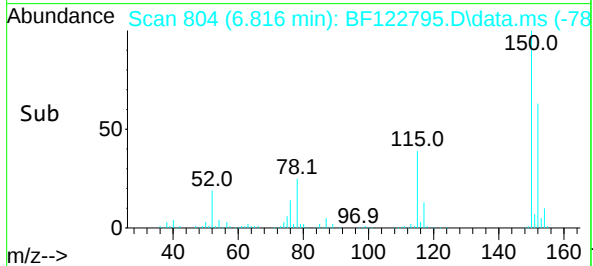




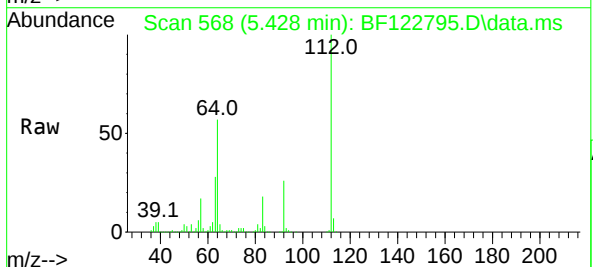
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.816 min Scan# 804
Delta R.T. -0.006 min
Lab File: BF122795.D
Acq: 18 Dec 2020 20:13



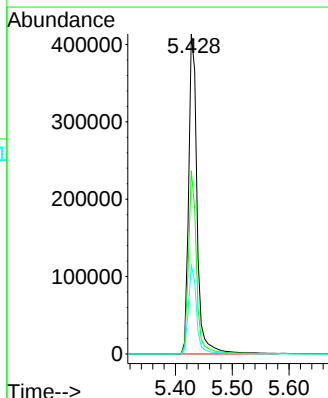
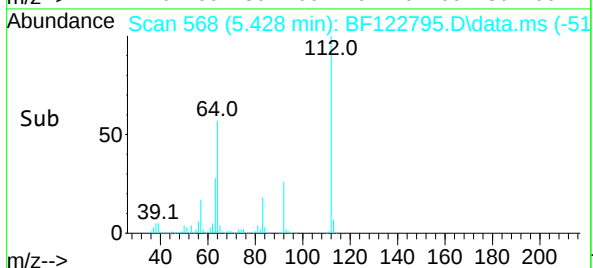
Tgt Ion:152 Resp: 148277
Ion Ratio Lower Upper
152 100
150 159.3 125.8 188.6
115 61.9 49.3 73.9



#5
2-Fluorophenol
Concen: 45.53 ng
RT: 5.428 min Scan# 568
Delta R.T. -0.006 min
Lab File: BF122795.D
Acq: 18 Dec 2020 20:13



Tgt Ion:112 Resp: 426458
Ion Ratio Lower Upper
112 100
64 57.2 46.9 70.3
63 27.7 24.5 36.7



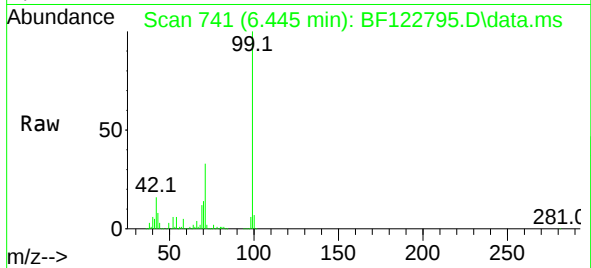
Instrument :
BNA_F
ClientSampleId :
B-2DL

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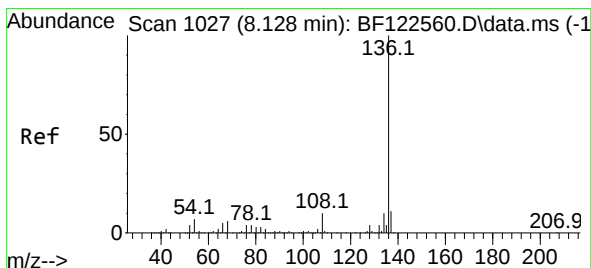
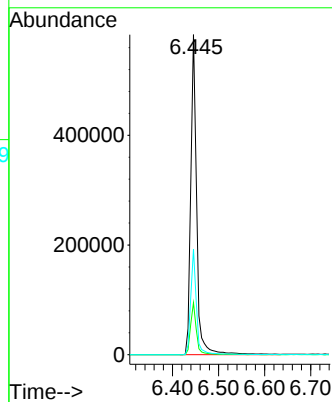
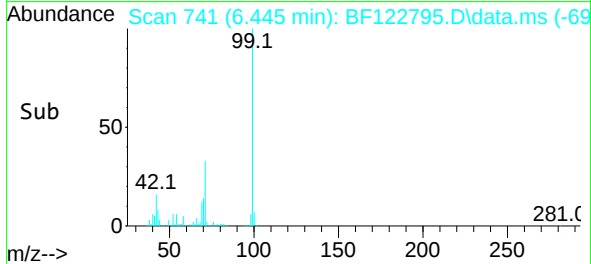
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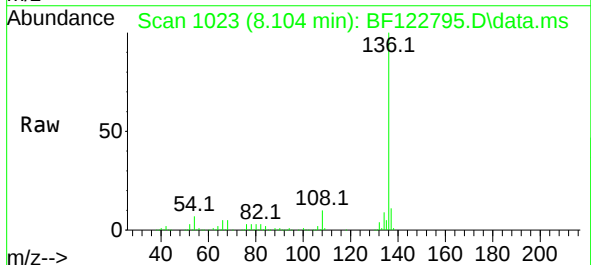
#7
Phenol-d6
Concen: 41.95 ng
RT: 6.445 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF122795.D
Acq: 18 Dec 2020 20:13



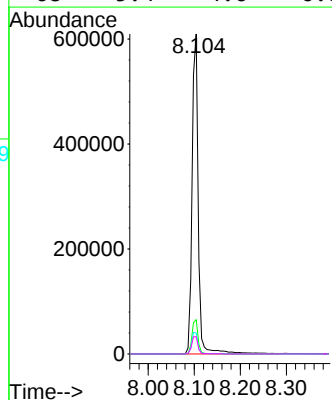
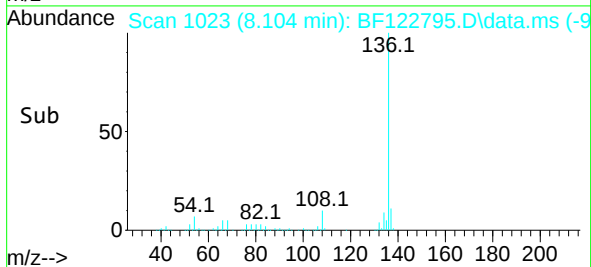
Tgt Ion: 99 Resp: 521105
Ion Ratio Lower Upper
99 100
42 16.2 13.8 20.6
71 33.0 26.9 40.3



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.104 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF122795.D
Acq: 18 Dec 2020 20:13



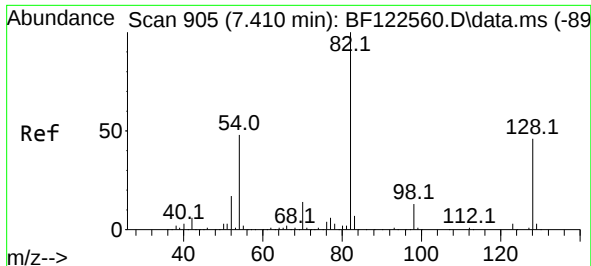
Tgt Ion: 136 Resp: 565409
Ion Ratio Lower Upper
136 100
137 10.7 8.8 13.2
54 6.6 5.5 8.3
68 5.4 4.6 6.8



Instrument :
BNA_F
ClientSampleId :
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#23

Nitrobenzene-d5

Concen: 27.94 ng

RT: 7.375 min Scan# 899

Delta R.T. -0.018 min

Lab File: BF122795.D

Acq: 18 Dec 2020 20:13

Tgt Ion: 82 Resp: 315343

Ion Ratio Lower Upper

82 100

128 43.9 37.0 55.4

54 47.8 38.4 57.6

Instrument :

BNA_F

ClientSampled :

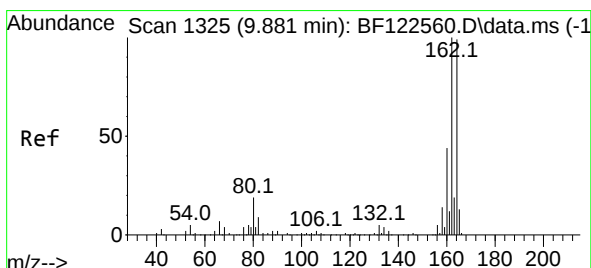
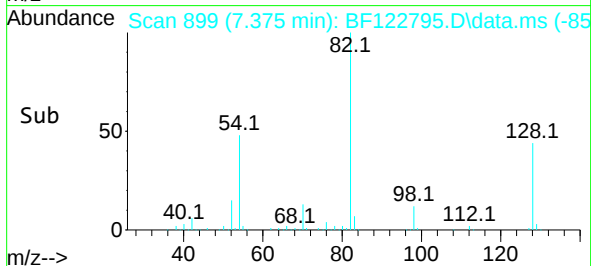
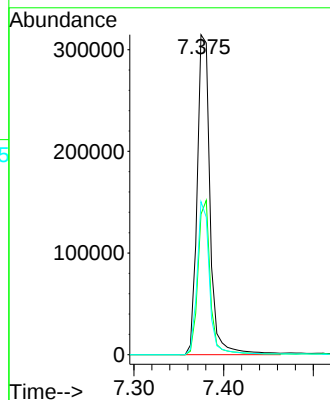
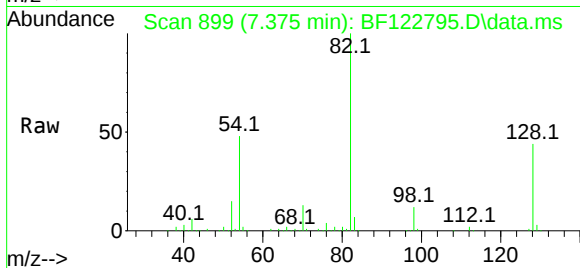
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#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.857 min Scan# 1321

Delta R.T. -0.006 min

Lab File: BF122795.D

Acq: 18 Dec 2020 20:13

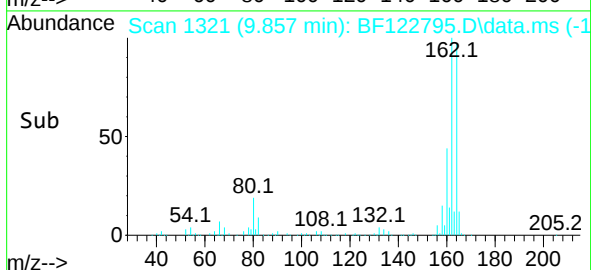
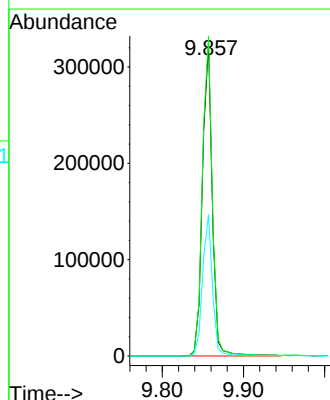
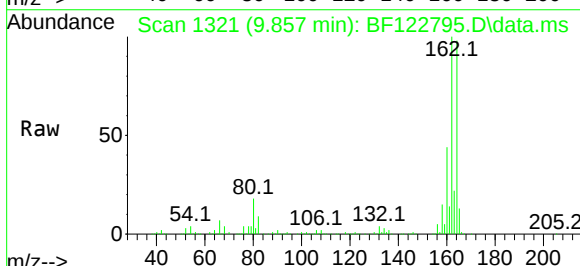
Tgt Ion:164 Resp: 273991

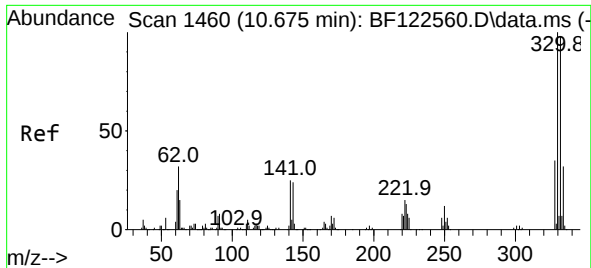
Ion Ratio Lower Upper

164 100

162 102.5 80.8 121.2

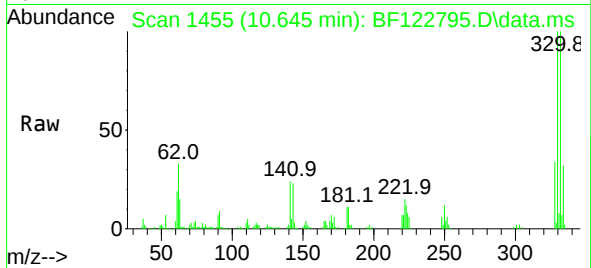
160 45.3 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 39.48 ng
RT: 10.645 min Scan# 1455
Delta R.T. -0.006 min
Lab File: BF122795.D
Acq: 18 Dec 2020 20:13

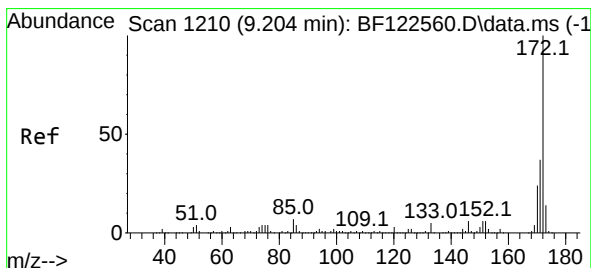
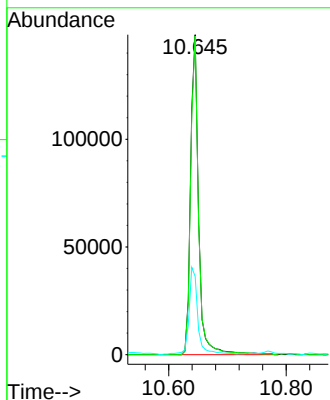
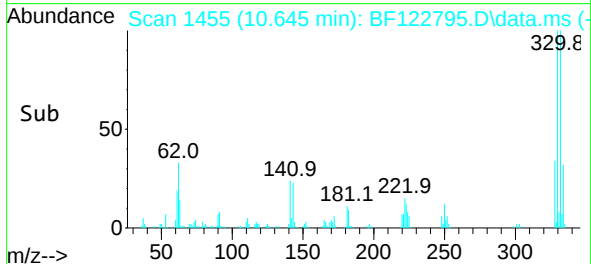
Instrument :
BNA_F
ClientSampled :
B-2DL



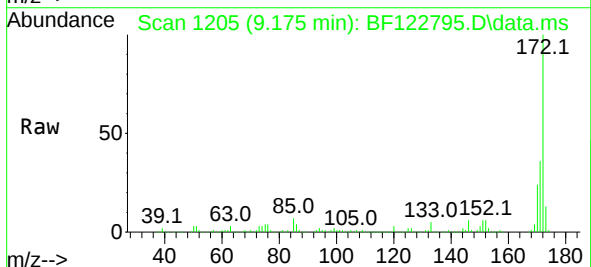
Tgt Ion:330 Resp: 141606
Ion Ratio Lower Upper
330 100
332 98.4 77.5 116.3
141 30.5 23.8 35.8

Manual Integrations
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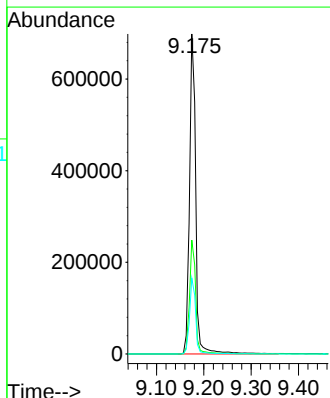
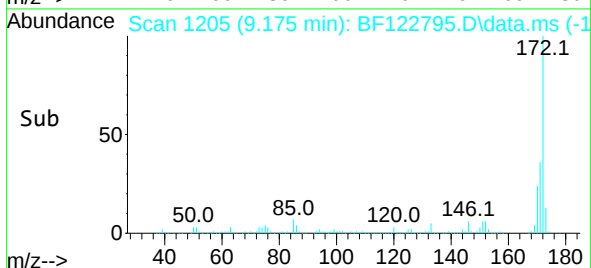
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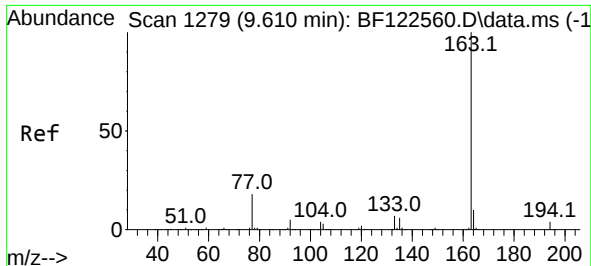


#45
2-Fluorobiphenyl
Concen: 31.22 ng
RT: 9.175 min Scan# 1205
Delta R.T. -0.012 min
Lab File: BF122795.D
Acq: 18 Dec 2020 20:13

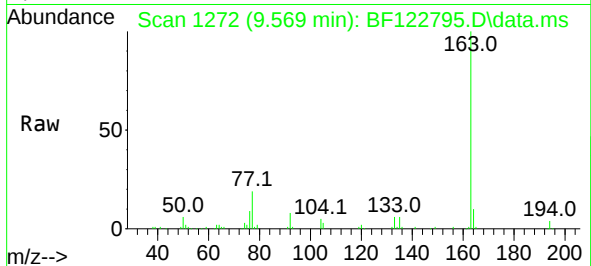


Tgt Ion:172 Resp: 632499
Ion Ratio Lower Upper
172 100
171 35.6 29.6 44.4
170 23.7 19.5 29.3

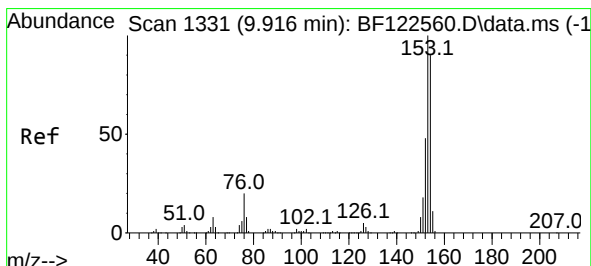
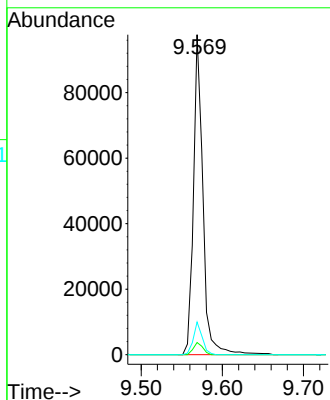
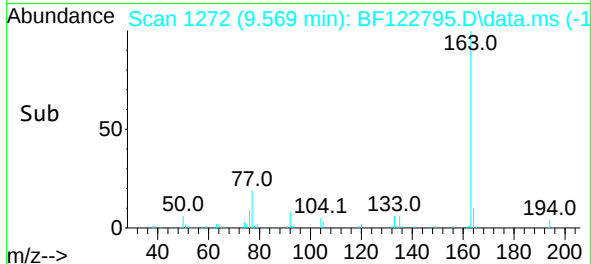




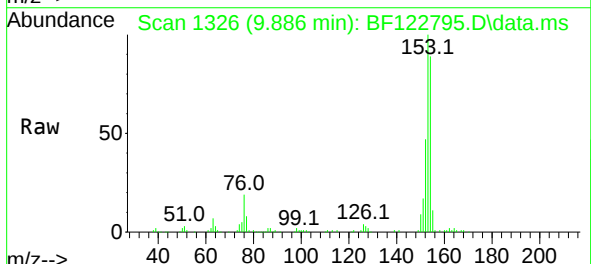
#50
Dimethylphthalate
Concen: 3.64 ng
RT: 9.569 min Scan# 1272
Delta R.T. -0.018 min
Lab File: BF122795.D
Acq: 18 Dec 2020 20:13



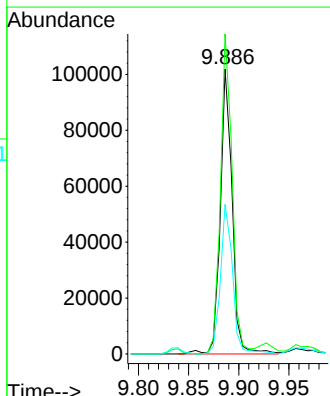
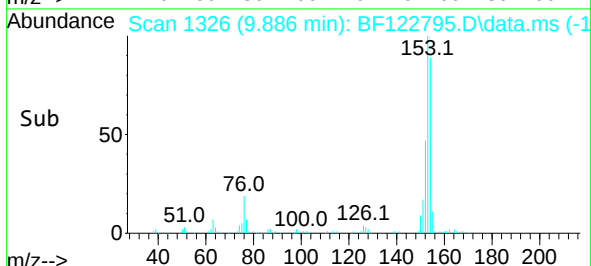
Tgt Ion:163 Resp: 79757
Ion Ratio Lower Upper
163 100
194 3.8 3.4 5.0
164 10.2 8.1 12.1



#52
Acenaphthene
Concen: 4.62 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF122795.D
Acq: 18 Dec 2020 20:13



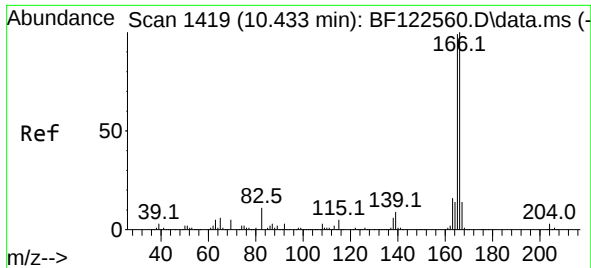
Tgt Ion:154 Resp: 83163
Ion Ratio Lower Upper
154 100
153 112.3 89.0 133.6
152 52.5 42.7 64.1



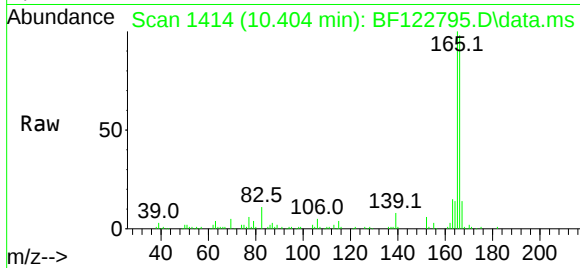
Instrument :
BNA_F
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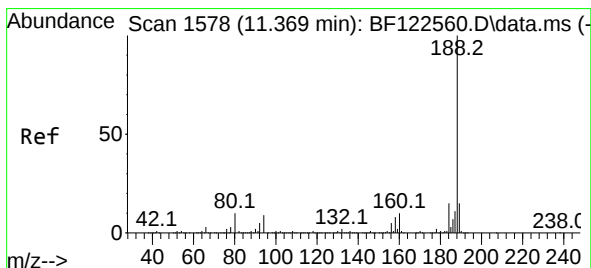
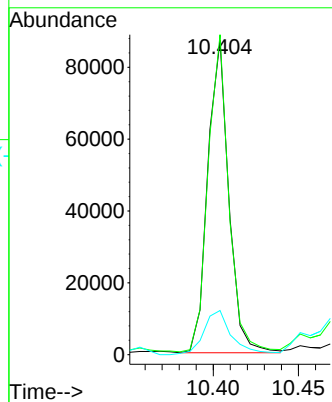
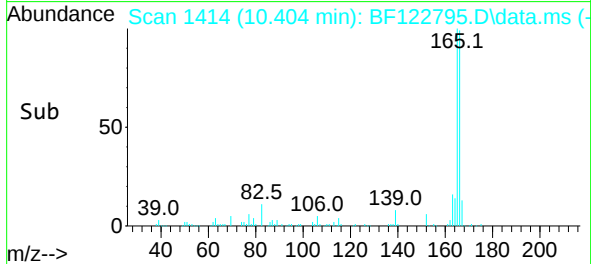
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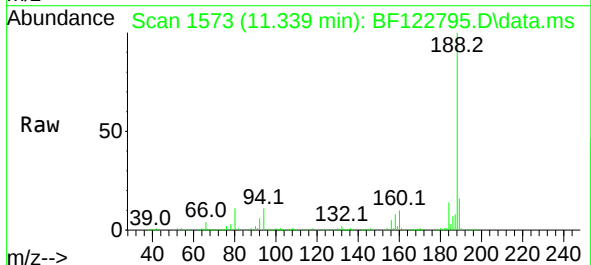
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Fluorene
Concen: 3.71 ng
RT: 10.404 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF122795.D
Acq: 18 Dec 2020 20:13



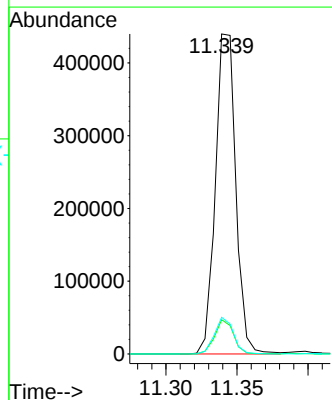
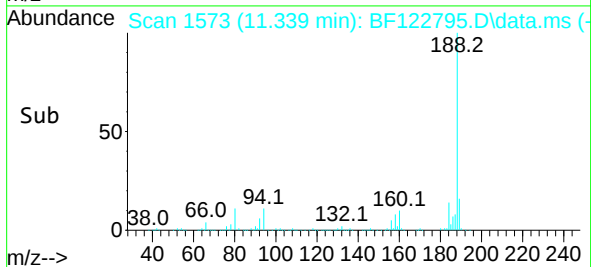
Tgt Ion:166 Resp: 74698
Ion Ratio Lower Upper
166 100
165 101.8 79.4 119.0
167 14.1 10.9 16.3



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF122795.D
Acq: 18 Dec 2020 20:13



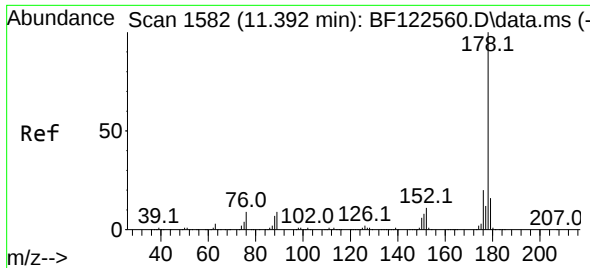
Tgt Ion:188 Resp: 438709
Ion Ratio Lower Upper
188 100
94 10.7 7.4 11.2
80 11.4 8.2 12.4



Instrument :
BNA_F
ClientSampleId :
B-2DL

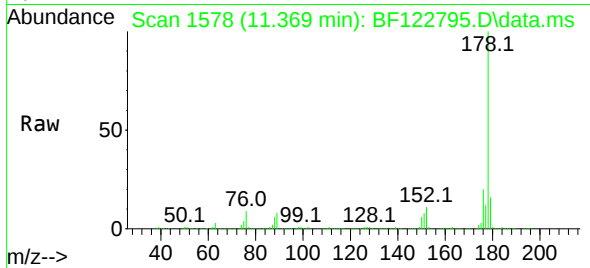
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#71
Phenanthrene
Concen: 37.68 ng
RT: 11.369 min Scan# 1578
Delta R.T. -0.000 min
Lab File: BF122795.D
Acq: 18 Dec 2020 20:13

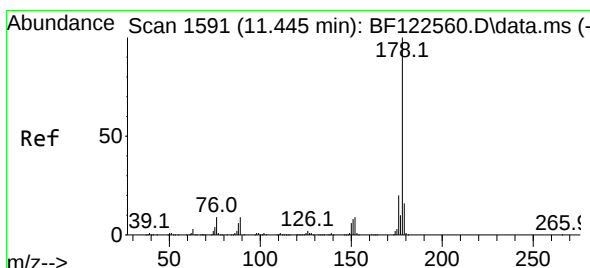
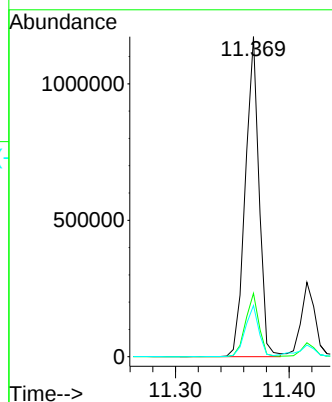
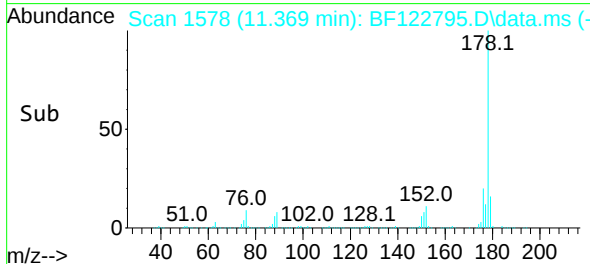
Instrument :
BNA_F
ClientSampleId :
B-2DL



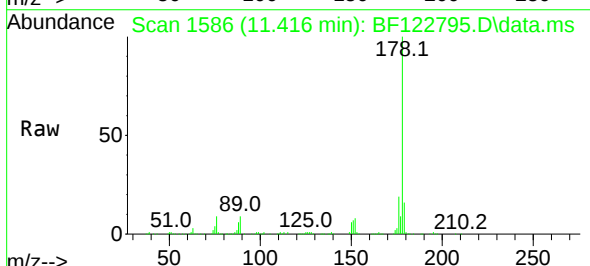
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Ion Ratio Lower Upper
178 100
176 19.8 16.2 24.2
179 16.0 12.7 19.1

Manual Integrations
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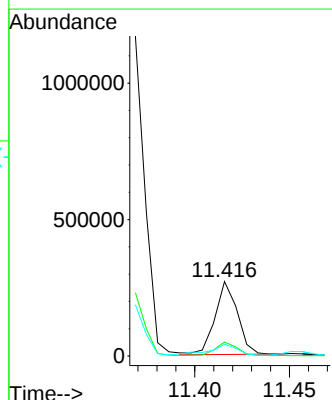
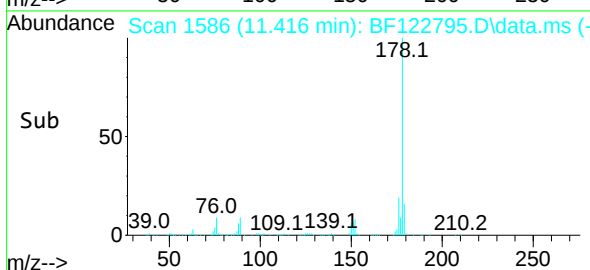
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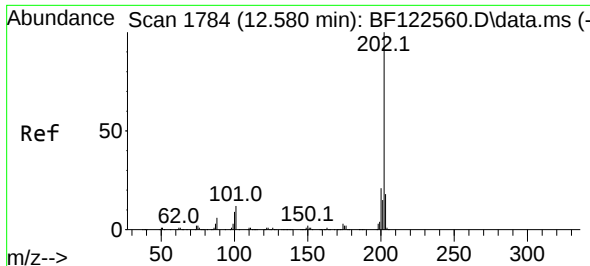


#72
Anthracene
Concen: 8.55 ng
RT: 11.416 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF122795.D
Acq: 18 Dec 2020 20:13

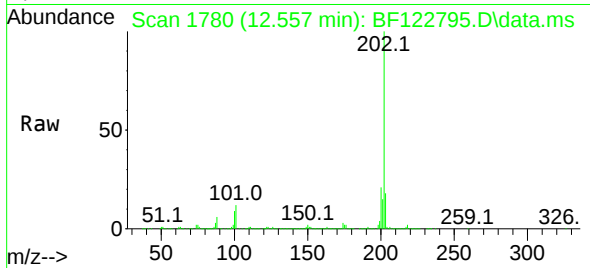


Tgt Ion:178 Resp: 221014
Ion Ratio Lower Upper
178 100
176 18.7 15.6 23.4
179 15.6 12.8 19.2

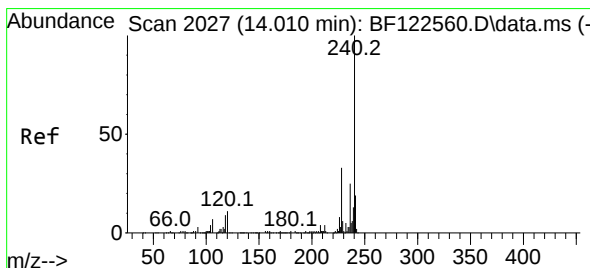
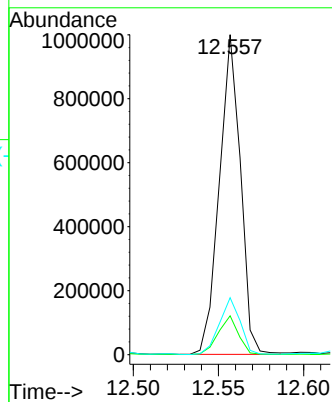
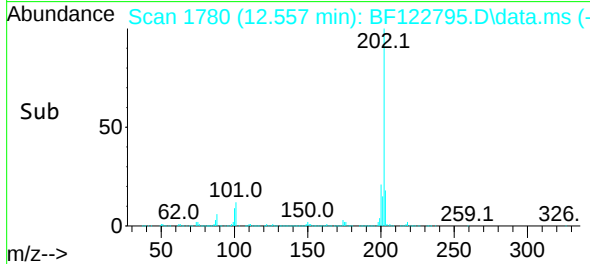




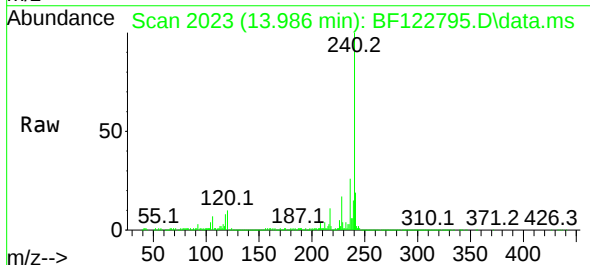
#75
Fluoranthene
Concen: 31.46 ng
RT: 12.557 min Scan# 1780
Delta R.T. -0.000 min
Lab File: BF122795.D
Acq: 18 Dec 2020 20:13



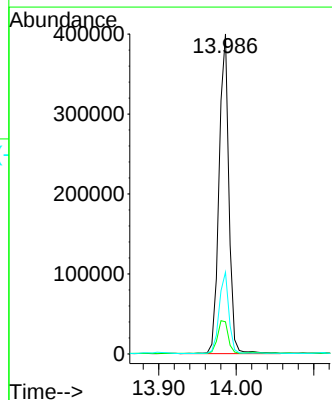
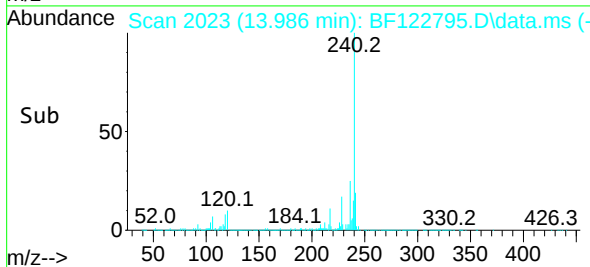
Tgt Ion:202 Resp: 860067
Ion Ratio Lower Upper
202 100
101 12.2 0.0 32.2
203 17.8 0.0 38.1



#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.986 min Scan# 2023
Delta R.T. -0.000 min
Lab File: BF122795.D
Acq: 18 Dec 2020 20:13



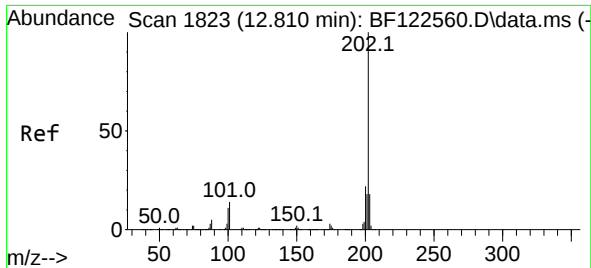
Tgt Ion:240 Resp: 350843
Ion Ratio Lower Upper
240 100
120 10.1 8.6 12.8
236 25.5 20.3 30.5



Instrument :
BNA_F
ClientSampled :
B-2DL

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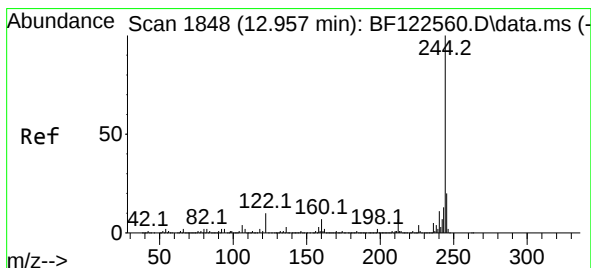
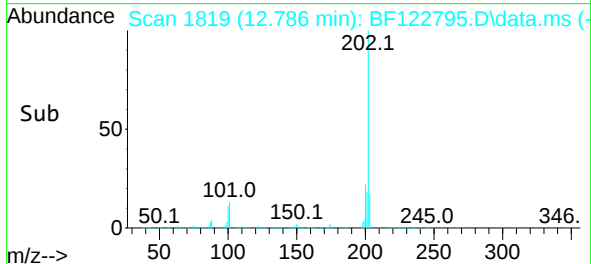
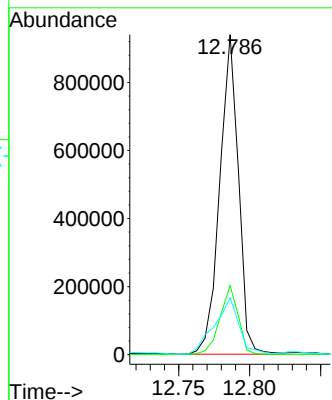
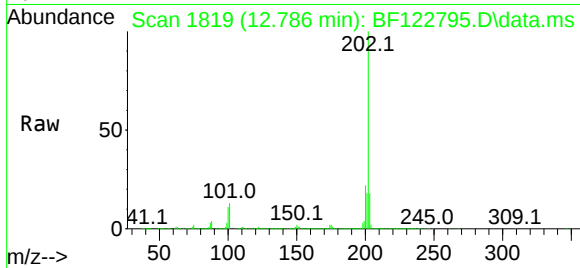
#78
Pyrene
Concen: 31.64 ng
RT: 12.786 min Scan# 1819
Delta R.T. -0.000 min
Lab File: BF122795.D
Acq: 18 Dec 2020 20:13

Tgt Ion:	202	Resp:	858288
Ion Ratio	Lower	Upper	
202	100		
200	21.6	17.6	26.4
203	17.7	14.6	21.8

Instrument :
BNA_F
ClientSampleId :
B-2DL

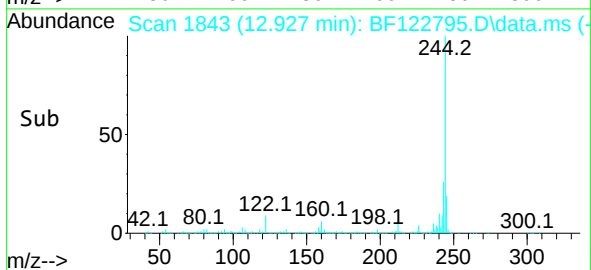
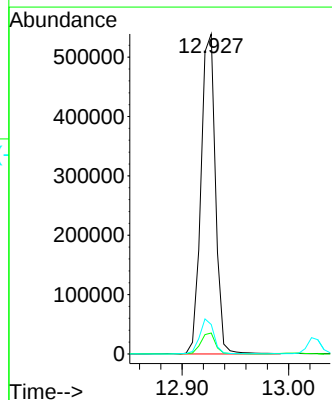
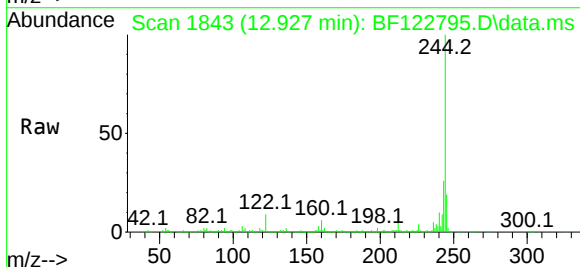
Manual Integrations
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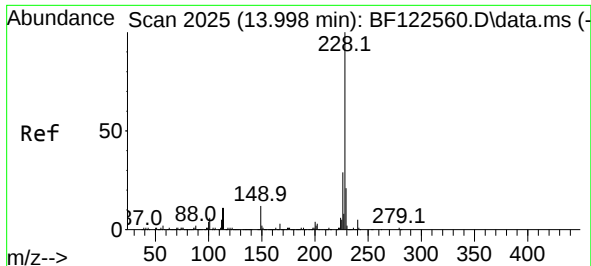
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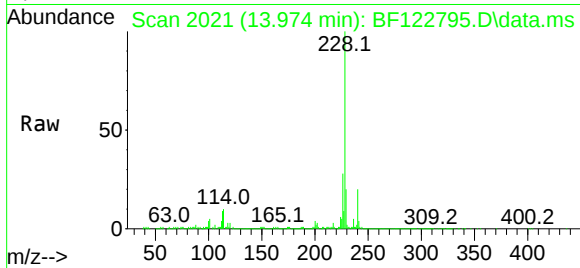
#79
Terphenyl-d14
Concen: 25.54 ng
RT: 12.927 min Scan# 1843
Delta R.T. -0.006 min
Lab File: BF122795.D
Acq: 18 Dec 2020 20:13

Tgt Ion:	244	Resp:	511955
Ion Ratio	Lower	Upper	
244	100		
212	6.6	5.7	8.5
122	9.2	8.3	12.5

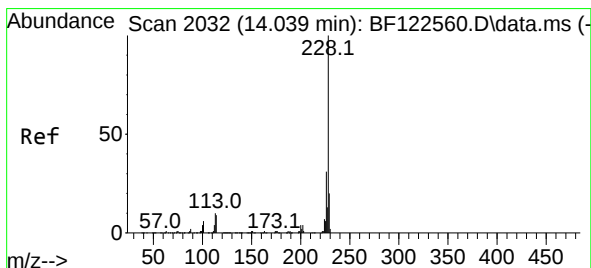
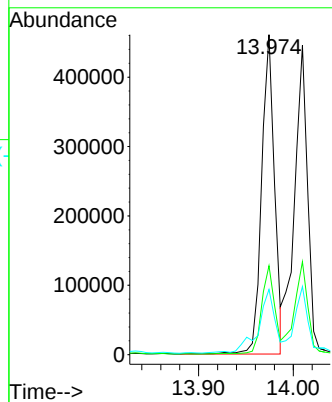
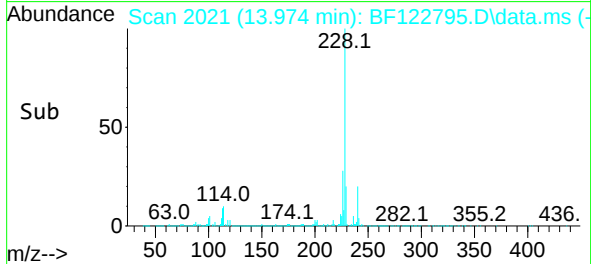




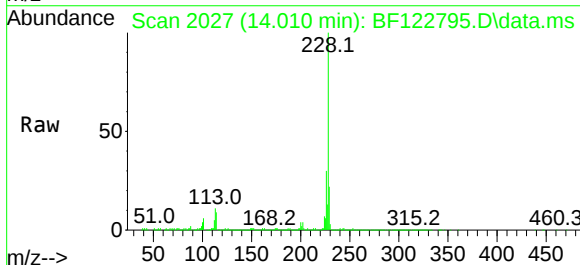
#81
Benzo(a)anthracene
Concen: 18.57 ng
RT: 13.974 min Scan# 2021
Delta R.T. -0.000 min
Lab File: BF122795.D
Acq: 18 Dec 2020 20:13



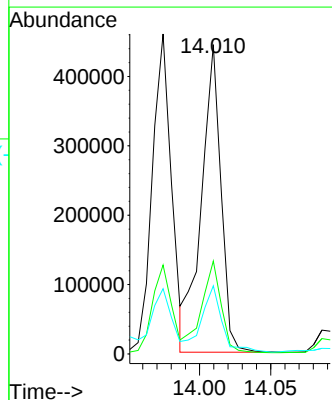
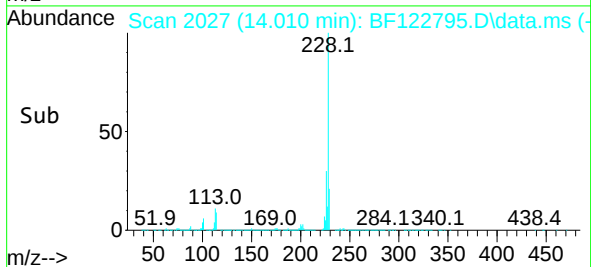
Tgt Ion:228 Resp: 435488
Ion Ratio Lower Upper
228 100
226 27.8 23.0 34.4
229 20.4 16.6 24.8



#83
Chrysene
Concen: 18.27 ng m
RT: 14.010 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF122795.D
Acq: 18 Dec 2020 20:13



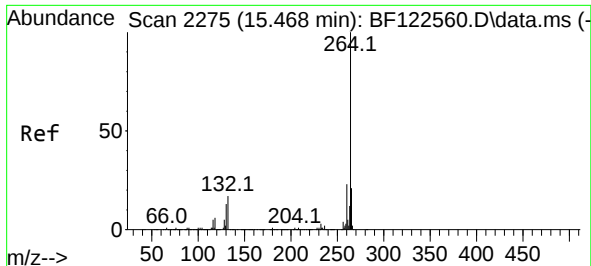
Tgt Ion:228 Resp: 426255
Ion Ratio Lower Upper
228 100
226 30.0 24.6 36.8
229 22.0 15.8 23.6



Instrument :
BNA_F
ClientSampled :
B-2DL

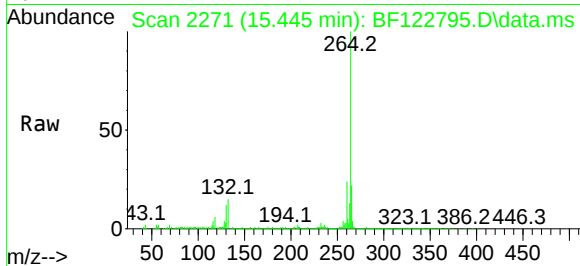
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.445 min Scan# 2271
Delta R.T. 0.006 min
Lab File: BF122795.D
Acq: 18 Dec 2020 20:13

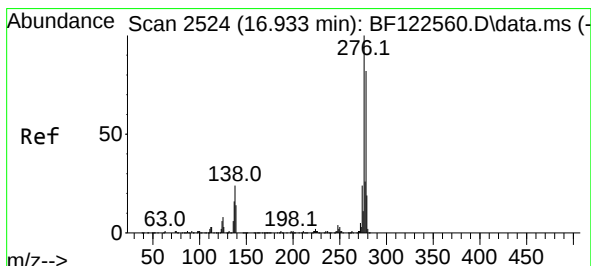
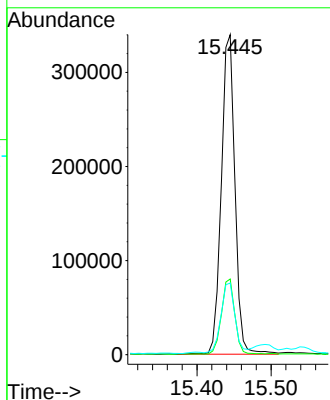
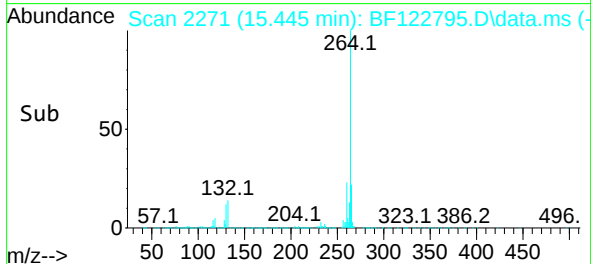
Instrument :
BNA_F
ClientSampled :
B-2DL



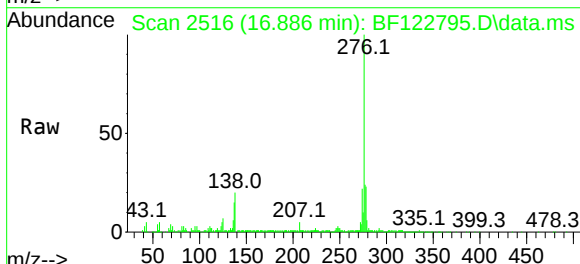
Tgt Ion:264 Resp: 433150
Ion Ratio Lower Upper
264 100
260 23.6 18.6 28.0
265 22.4 17.0 25.6

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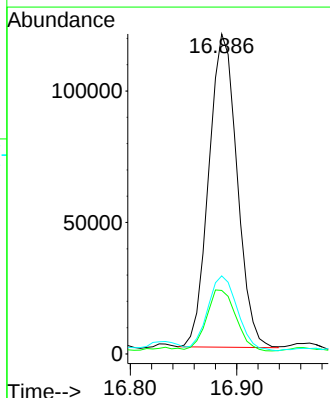
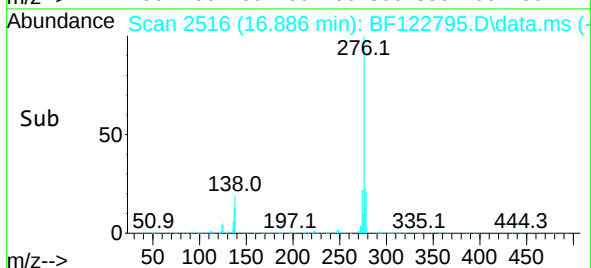
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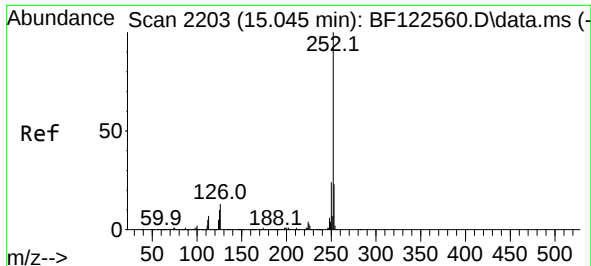


#87
Indeno(1,2,3-cd)pyrene
Concen: 7.72 ng
RT: 16.886 min Scan# 2516
Delta R.T. -0.006 min
Lab File: BF122795.D
Acq: 18 Dec 2020 20:13



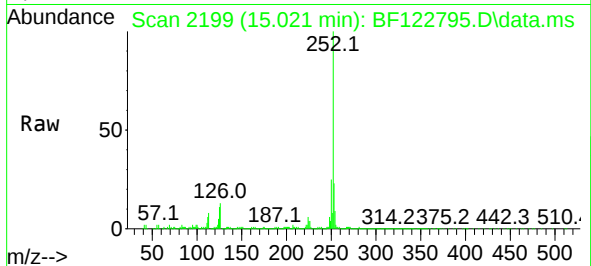
Tgt Ion:276 Resp: 219571
Ion Ratio Lower Upper
276 100
138 20.8 18.7 28.1
277 25.3 20.2 30.4





#88
Benzo(b)fluoranthene
Concen: 16.15 ng m
RT: 15.021 min Scan# 2199
Delta R.T. -0.000 min
Lab File: BF122795.D
Acq: 18 Dec 2020 20:13

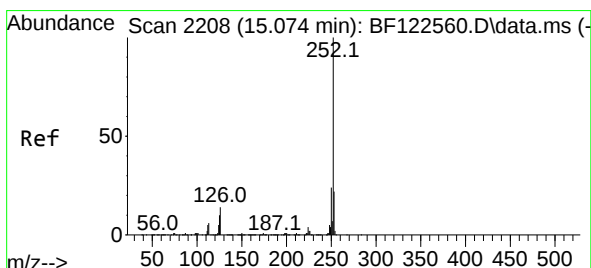
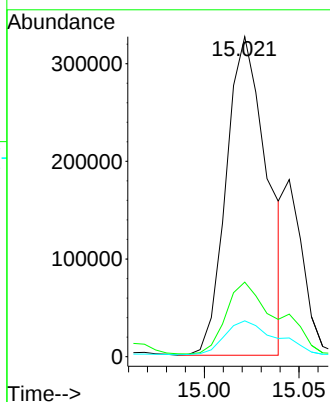
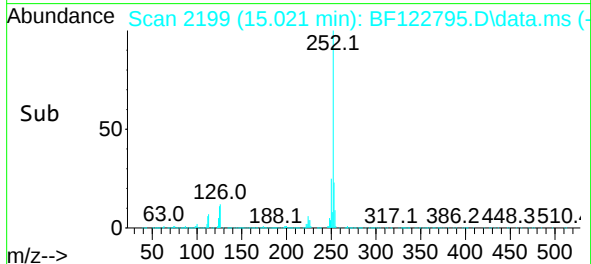
Instrument :
BNA_F
ClientSampled :
B-2DL



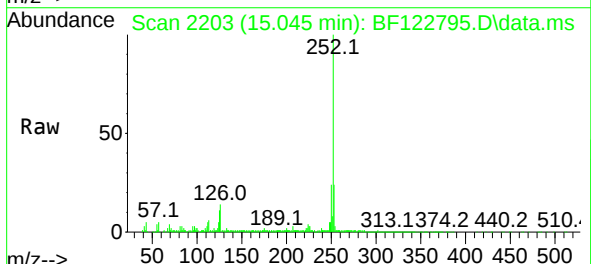
Tgt Ion:252 Resp: 490893
Ion Ratio Lower Upper
252 100
253 23.3 18.3 27.5
125 11.2 8.1 12.1

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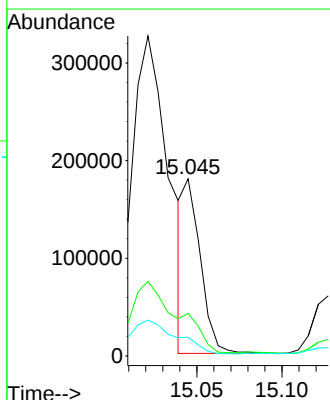
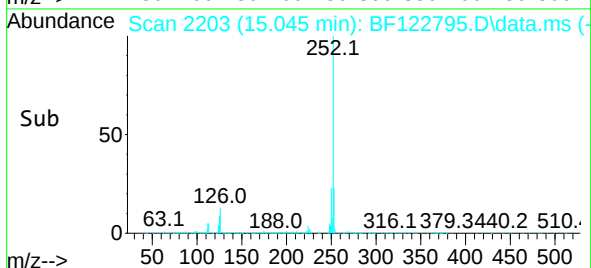
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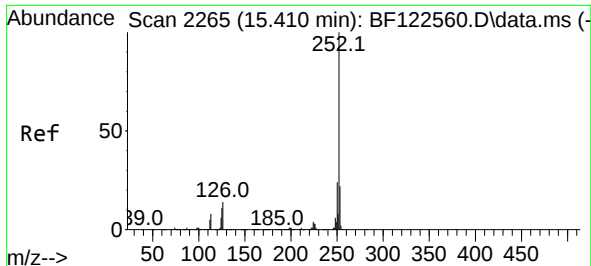


#89
Benzo(k)fluoranthene
Concen: 4.44 ng m
RT: 15.045 min Scan# 2203
Delta R.T. -0.006 min
Lab File: BF122795.D
Acq: 18 Dec 2020 20:13

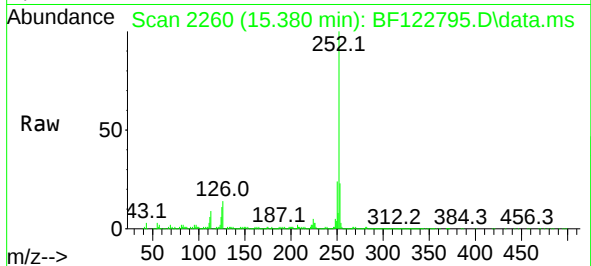


Tgt Ion:252 Resp: 123406
Ion Ratio Lower Upper
252 100
253 24.1 17.8 26.8
125 10.6 8.4 12.6

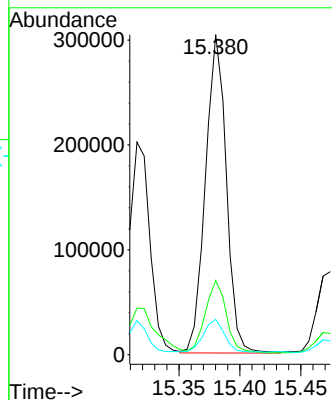
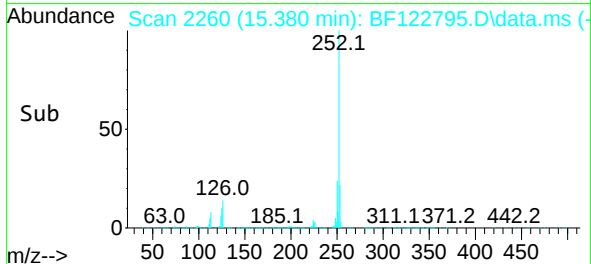




#90
Benzo(a)pyrene
Concen: 13.62 ng
RT: 15.380 min Scan# 2260
Delta R.T. -0.000 min
Lab File: BF122795.D
Acq: 18 Dec 2020 20:13



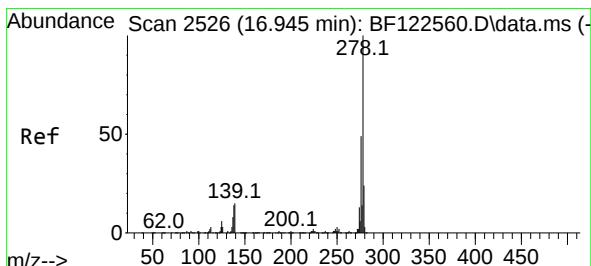
Tgt Ion:252 Resp: 362032
Ion Ratio Lower Upper
252 100
253 23.2 17.5 26.3
125 11.0 8.6 12.8



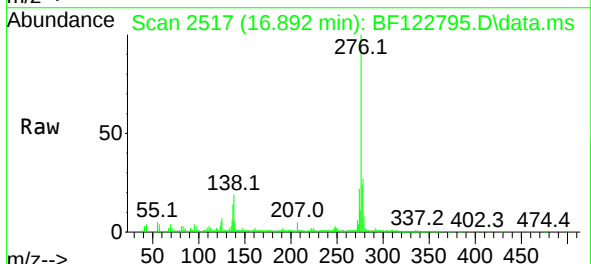
Instrument :
BNA_F
ClientSampled :
B-2DL

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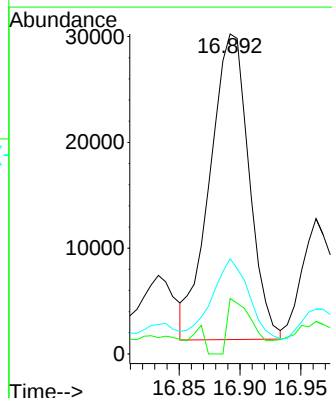
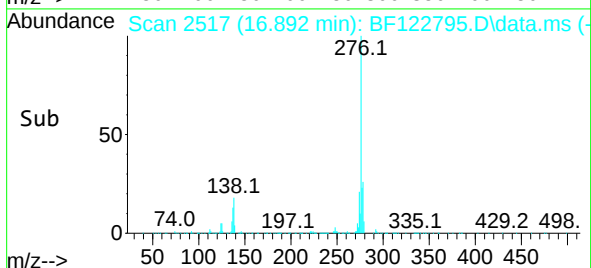
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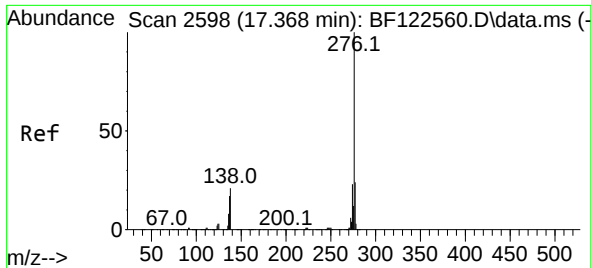


#91
Dibenzo(a,h)anthracene
Concen: 2.79 ng
RT: 16.892 min Scan# 2517
Delta R.T. -0.012 min
Lab File: BF122795.D
Acq: 18 Dec 2020 20:13



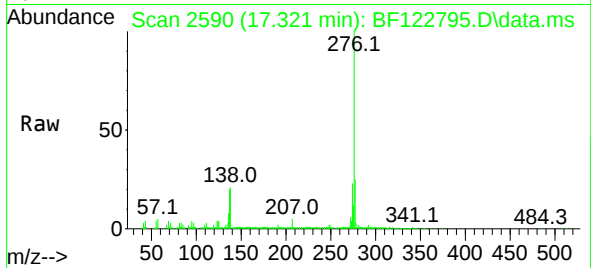
Tgt Ion:278 Resp: 64888
Ion Ratio Lower Upper
278 100
139 17.4 12.0 18.0
279 29.8 19.4 29.2#





#92
Benzo(g,h,i)perylene
Concen: 9.58 ng
RT: 17.321 min Scan# 2590
Delta R.T. -0.006 min
Lab File: BF122795.D
Acq: 18 Dec 2020 20:13

Instrument :
BNA_F
ClientSampleId :
B-2DL



Tgt Ion:276 Resp: 215797
Ion Ratio Lower Upper
276 100
277 25.2 19.3 28.9
138 21.2 16.6 24.8

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