

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061821\
 Data File : BF124384.D
 Acq On : 18 Jun 2021 20:43
 Operator : JU/CG
 Sample : M2749-06 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RF-01 3.5-4.0

Manual Integrations
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 6/21/2021 11:38:43 AM

Quant Time: Jun 18 23:18:26 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF060321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 15 20:09:26 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	34143	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	120234	20.000	ng	# 0.00
39) Acenaphthene-d10	9.822	164	74473	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	130422	20.000	ng	# 0.00
76) Chrysene-d12	13.957	240	90145	20.000	ng	0.00
86) Perylene-d12	15.421	264	89037	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	36554	16.116	ng	-0.01
7) Phenol-d6	6.428	99	48820	16.013	ng	-0.02
23) Nitrobenzene-d5	7.345	82	37207	12.273	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	14997	14.214	ng	0.00
45) 2-Fluorobiphenyl	9.139	172	70597	11.929	ng	-0.01
79) Terphenyl-d14	12.892	244	66403	10.114	ng	-0.01
Target Compounds						Qvalue
75) Fluoranthene	12.527	202	136083	15.912	ng	96
78) Pyrene	12.757	202	150995	17.443	ng	96
81) Benzo(a)anthracene	13.951	228	88387m	13.459	ng	
83) Chrysene	13.986	228	75911	11.981	ng	95
87) Indeno(1,2,3-cd)pyrene	16.874	276	42584	9.563	ng	97
88) Benzo(b)fluoranthene	14.998	252	130126m	18.814	ng	
89) Benzo(k)fluoranthene	15.021	252	35047m	5.353	ng	
90) Benzo(a)pyrene	15.357	252	99377	16.542	ng	99
91) Dibenzo(a,h)anthracene	16.874	278	15472m	6.409	ng	
92) Benzo(g,h,i)perylene	17.315	276	34152	8.845	ng	95

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

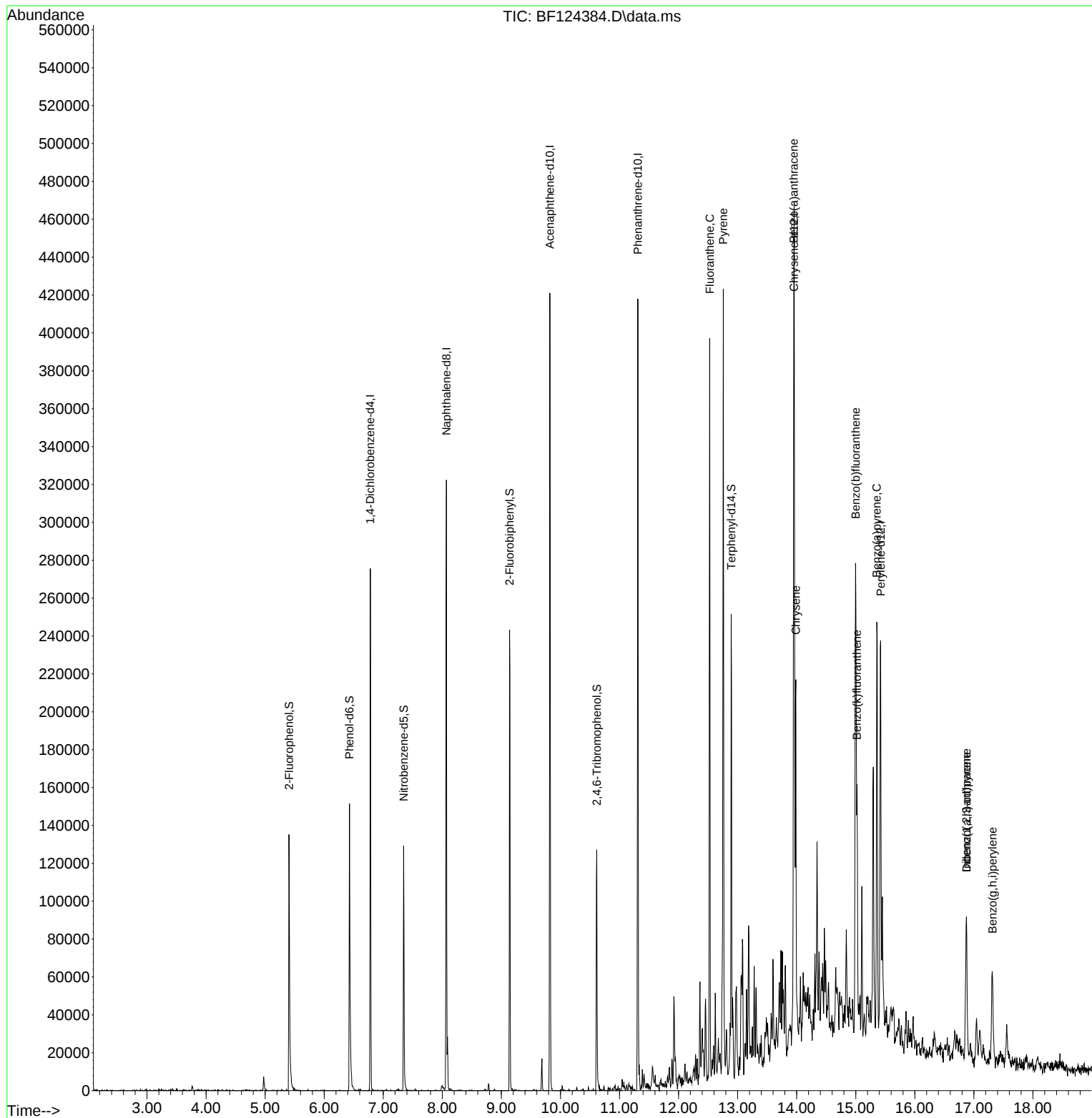
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061821\
Data File : BF124384.D
Acq On : 18 Jun 2021 20:43
Operator : JU/CG
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Misc :
ALS Vial : 16 Sample Multiplier: 1

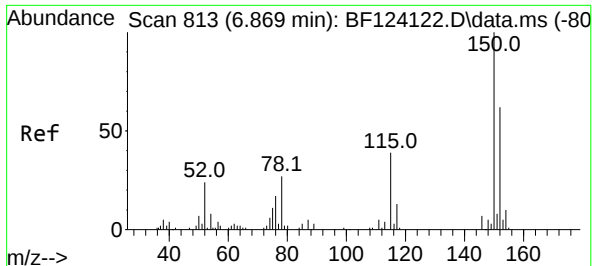
Instrument :
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RF-01 3.5-4.0

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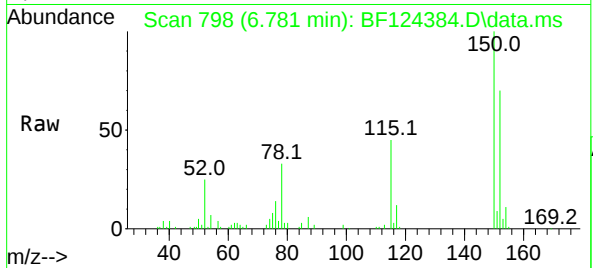
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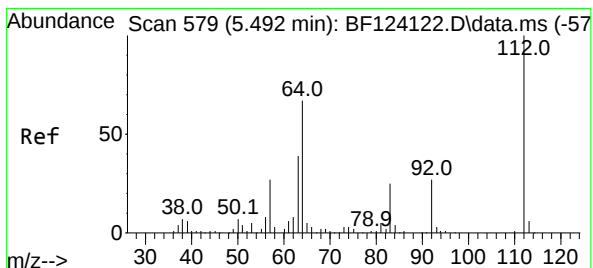
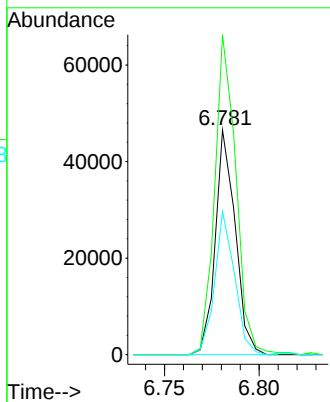
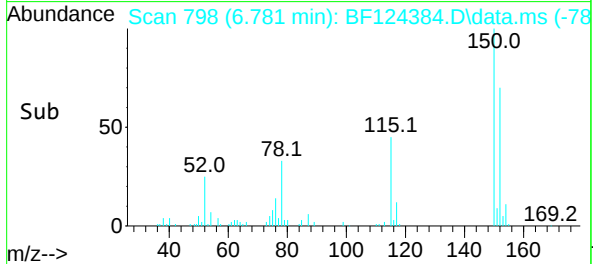




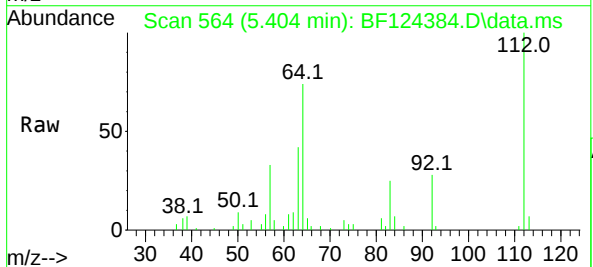
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.005 min
Lab File: BF124384.D
Acq: 18 Jun 2021 20:43



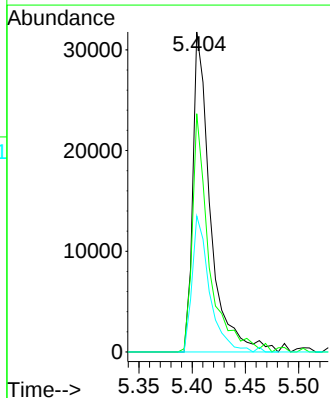
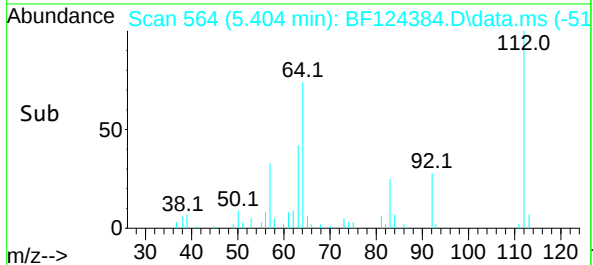
Tgt Ion:152 Resp: 34143
Ion Ratio Lower Upper
152 100
150 142.4 127.0 190.6
115 63.7 54.3 81.5



#5
2-Fluorophenol
Concen: 16.116 ng
RT: 5.404 min Scan# 564
Delta R.T. -0.012 min
Lab File: BF124384.D
Acq: 18 Jun 2021 20:43



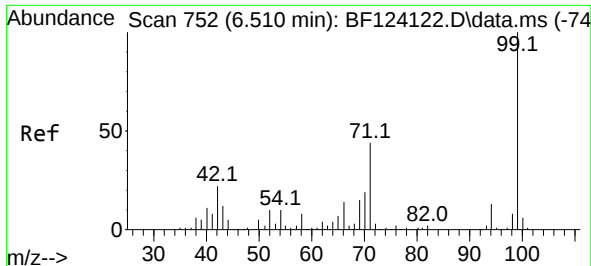
Tgt Ion:112 Resp: 36554
Ion Ratio Lower Upper
112 100
64 74.4 61.4 92.0
63 42.5 33.0 49.4



Instrument :
BNA_F
ClientSampleId :
RF-01 3.5-4.0

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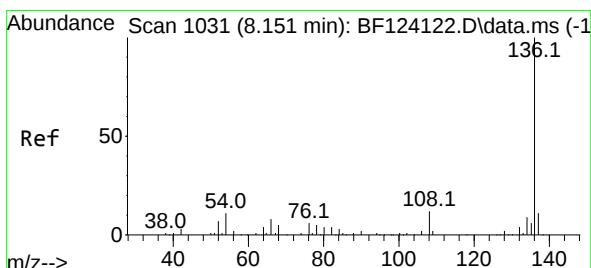
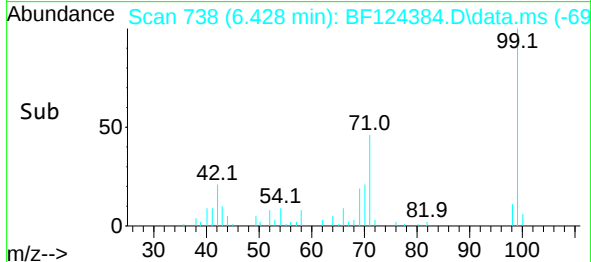
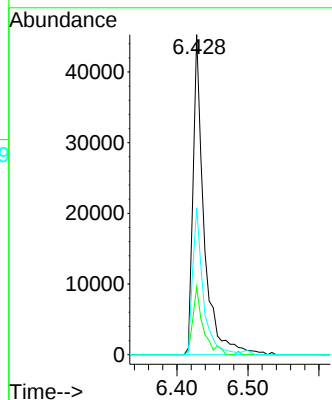
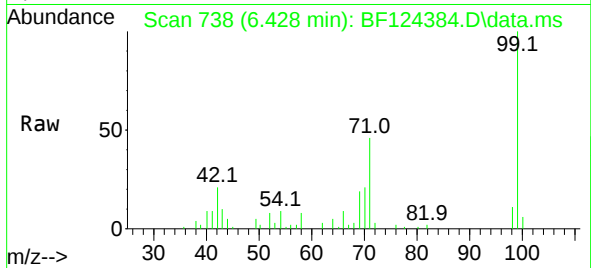
#7
Phenol-d6
Concen: 16.013 ng
RT: 6.428 min Scan# 738
Delta R.T. -0.018 min
Lab File: BF124384.D
Acq: 18 Jun 2021 20:43

Tgt Ion: 99	Resp: 48820
Ion Ratio	Lower Upper
99 100	
42 21.2	19.8 29.8
71 45.8	31.1 46.7

Instrument :
BNA_F
ClientSampleId :
RF-01 3.5-4.0

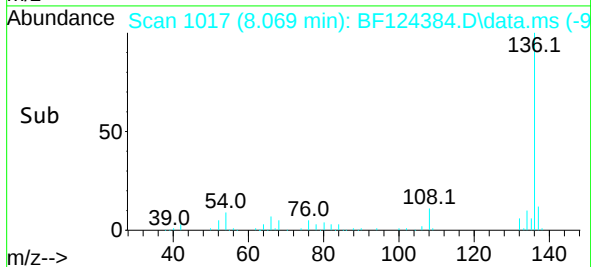
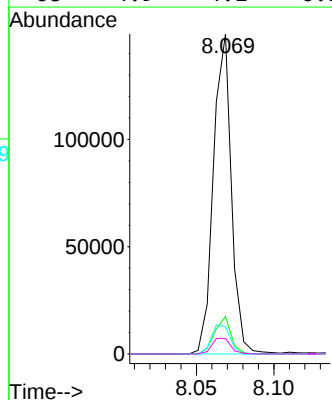
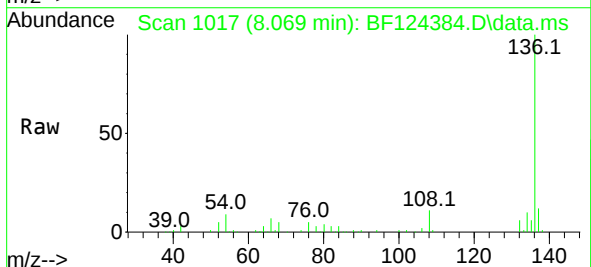
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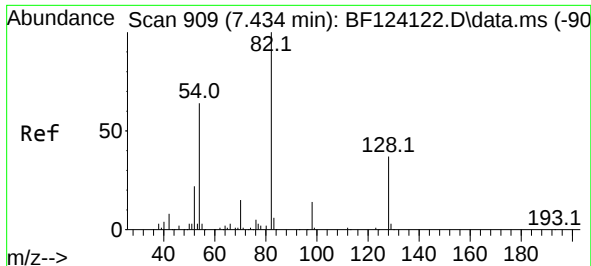
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF124384.D
Acq: 18 Jun 2021 20:43

Tgt Ion: 136	Resp: 120234
Ion Ratio	Lower Upper
136 100	
137 11.8	8.7 13.1
54 8.5	9.8 14.6#
68 4.9	4.1 6.1





#23

Nitrobenzene-d5

Concen: 12.273 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.012 min

Lab File: BF124384.D

Acq: 18 Jun 2021 20:43

Tgt Ion:	82	Resp:	37207
Ion	Ratio	Lower	Upper
82	100		
128	34.1	29.4	44.2
54	60.8	54.1	81.1

Instrument :

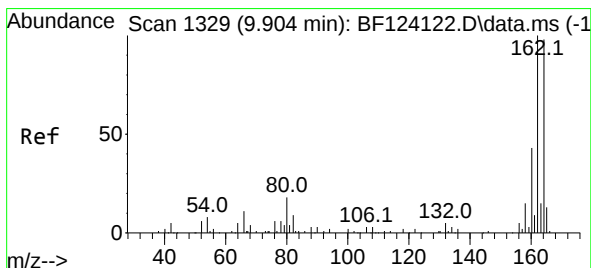
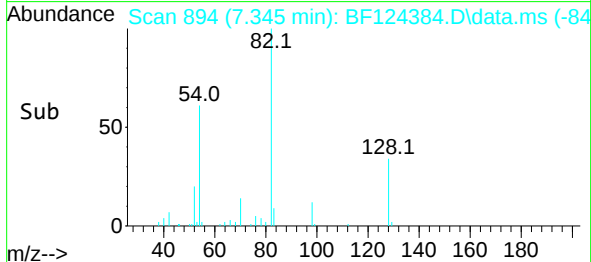
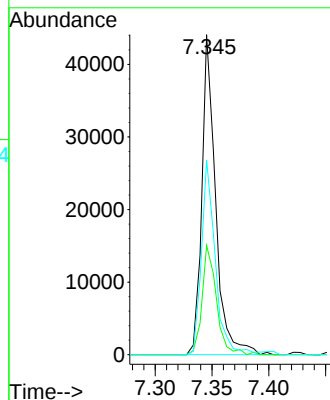
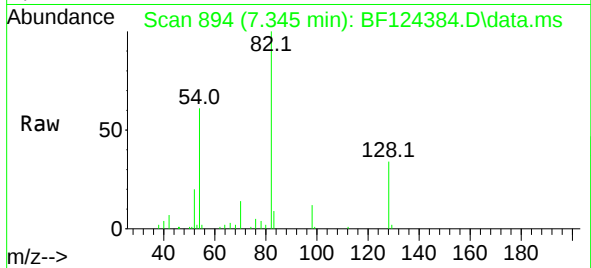
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ClientSampleId :

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#39

Acenaphthene-d10

Concen: 20.000 ng

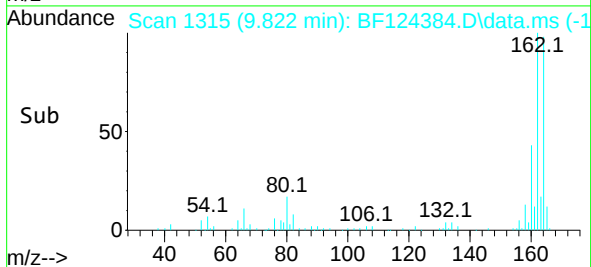
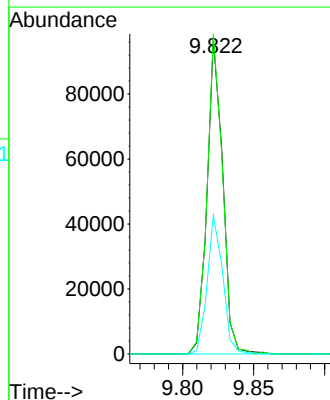
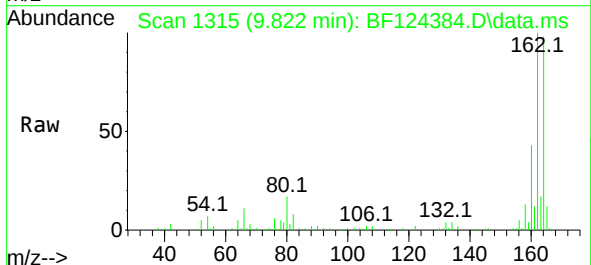
RT: 9.822 min Scan# 1315

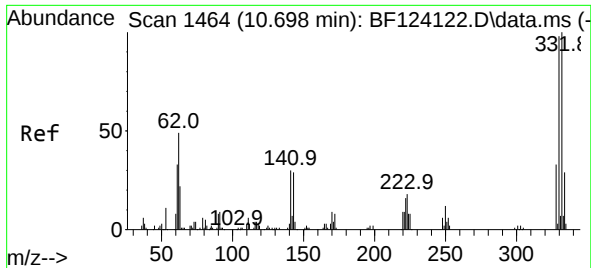
Delta R.T. -0.006 min

Lab File: BF124384.D

Acq: 18 Jun 2021 20:43

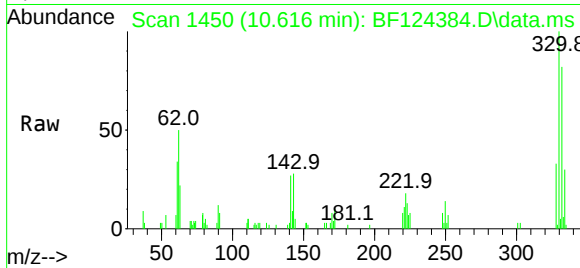
Tgt Ion:	164	Resp:	74473
Ion	Ratio	Lower	Upper
164	100		
162	101.6	80.7	121.1
160	44.1	37.3	55.9





#42
2,4,6-Tribromophenol
Concen: 14.214 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF124384.D
Acq: 18 Jun 2021 20:43

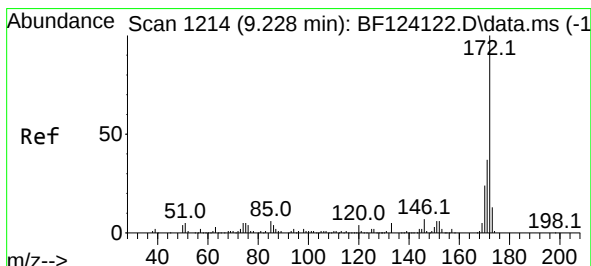
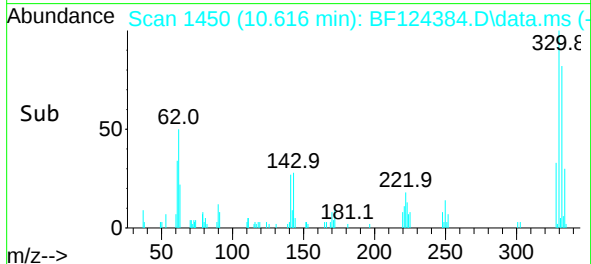
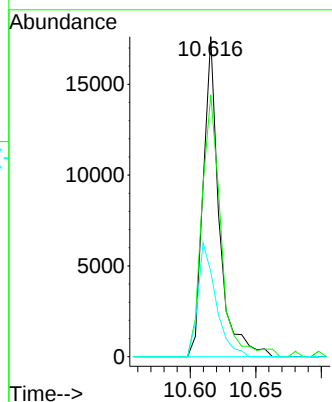
Instrument :
BNA_F
ClientSampleId :
RF-01 3.5-4.0



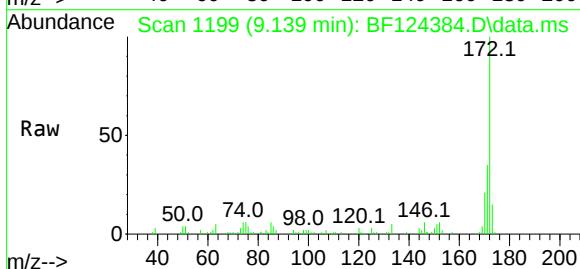
Tgt Ion: 330 Resp: 14997
Ion Ratio Lower Upper
330 100
332 97.2 77.1 115.7
141 39.8 27.9 41.9

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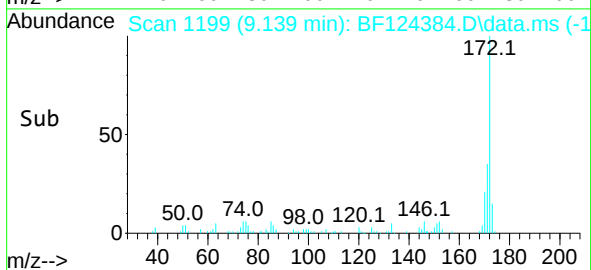
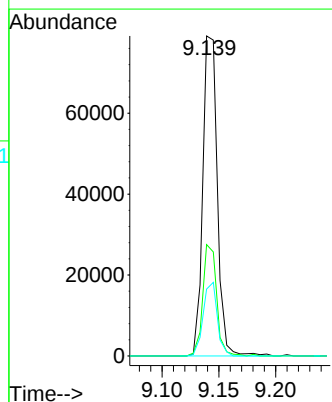
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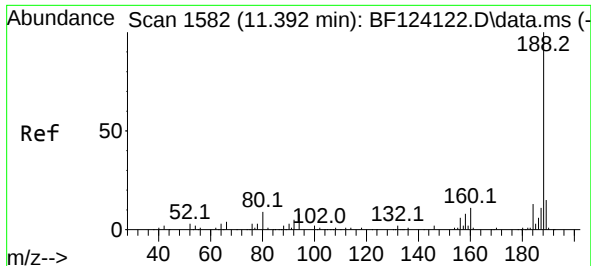


#45
2-Fluorobiphenyl
Concen: 11.929 ng
RT: 9.139 min Scan# 1199
Delta R.T. -0.012 min
Lab File: BF124384.D
Acq: 18 Jun 2021 20:43



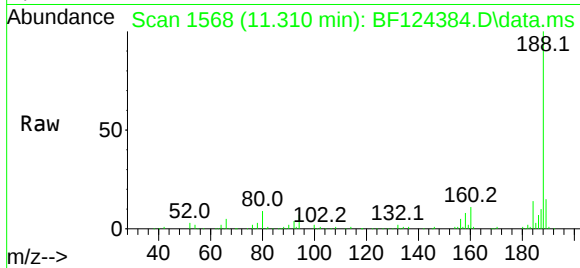
Tgt Ion: 172 Resp: 70597
Ion Ratio Lower Upper
172 100
171 34.8 28.1 42.1
170 20.9 19.2 28.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF124384.D
Acq: 18 Jun 2021 20:43

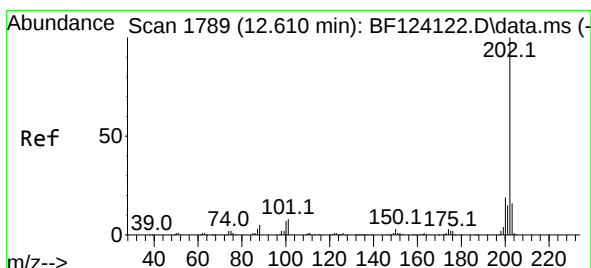
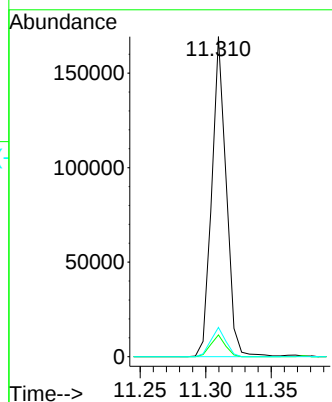
Instrument :
BNA_F
ClientSampleId :
RF-01 3.5-4.0



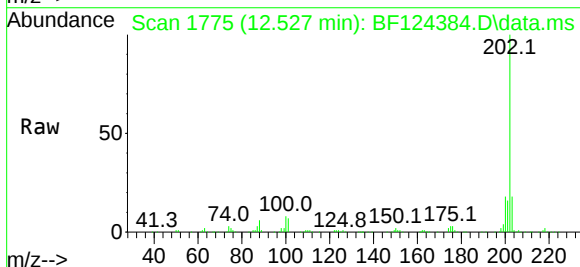
Tgt Ion:188 Resp: 130422
Ion Ratio Lower Upper
188 100
94 6.8 6.9 10.3#
80 9.1 8.2 12.2

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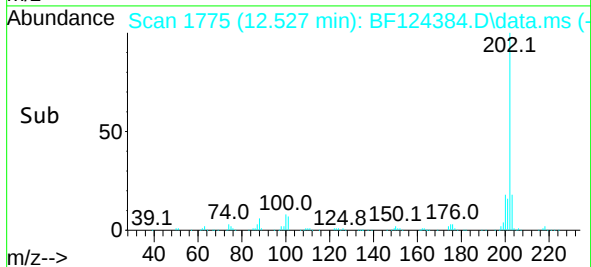
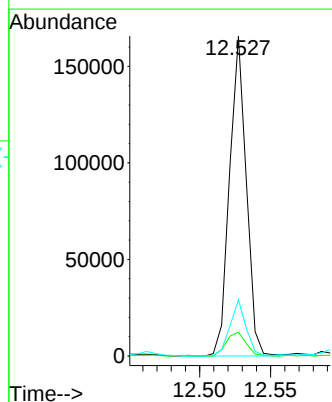
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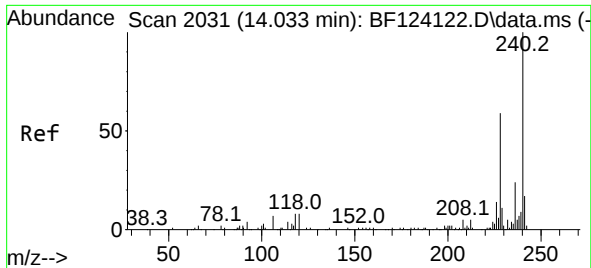


#75
Fluoranthene
Concen: 15.912 ng
RT: 12.527 min Scan# 1775
Delta R.T. -0.006 min
Lab File: BF124384.D
Acq: 18 Jun 2021 20:43



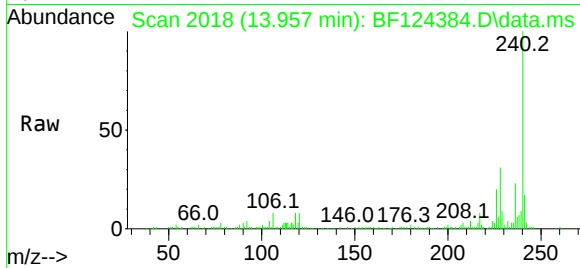
Tgt Ion:202 Resp: 136083
Ion Ratio Lower Upper
202 100
101 7.4 0.0 30.9
203 17.6 0.0 37.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF124384.D
Acq: 18 Jun 2021 20:43

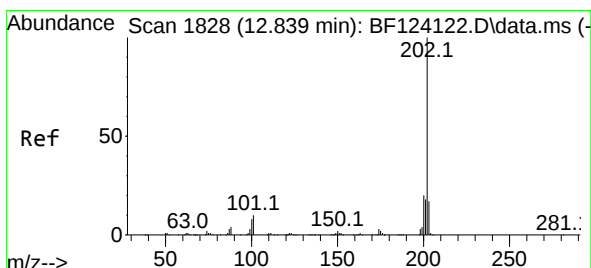
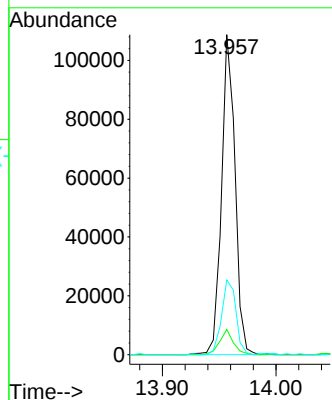
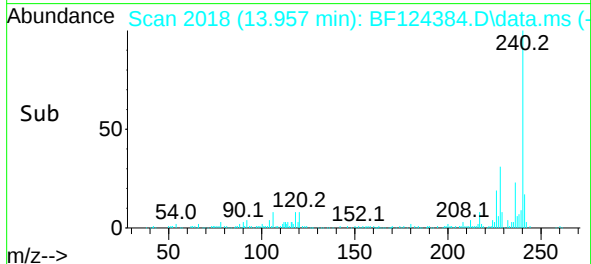
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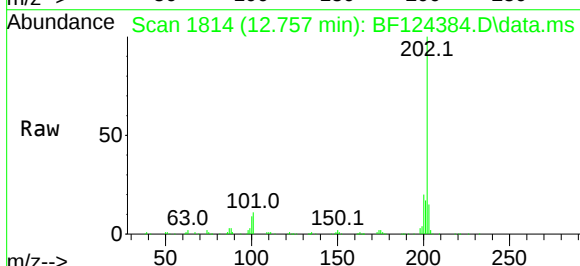
Tgt Ion:240 Resp: 90145
Ion Ratio Lower Upper
240 100
120 7.9 7.2 10.8
236 23.4 19.0 28.4

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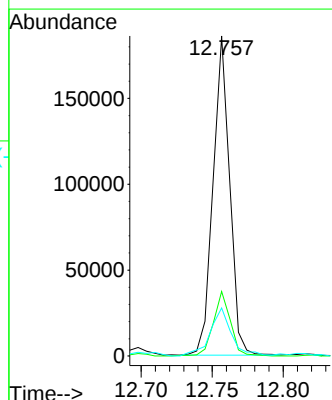
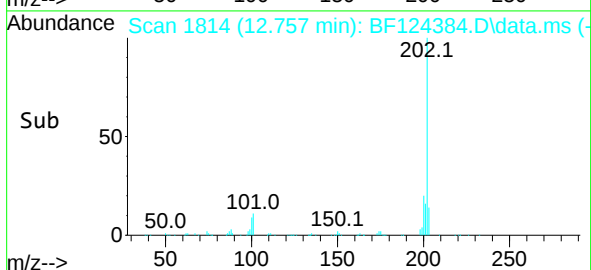
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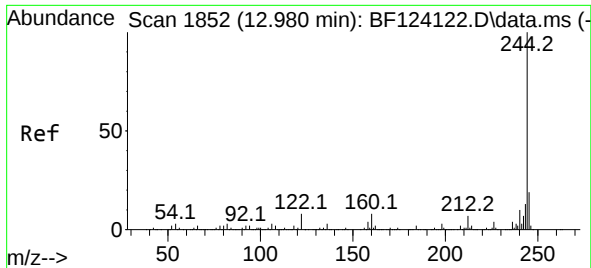


#78
Pyrene
Concen: 17.443 ng
RT: 12.757 min Scan# 1814
Delta R.T. -0.006 min
Lab File: BF124384.D
Acq: 18 Jun 2021 20:43



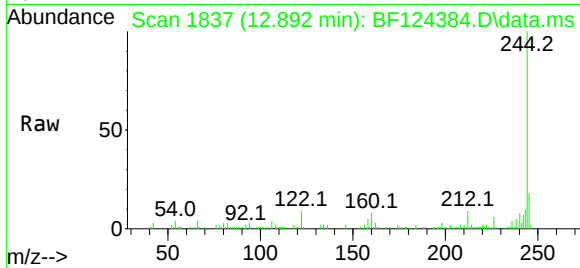
Tgt Ion:202 Resp: 150995
Ion Ratio Lower Upper
202 100
200 20.1 16.1 24.1
203 15.0 14.8 22.2





#79
Terphenyl-d14
Concen: 10.114 ng
RT: 12.892 min Scan# 1837
Delta R.T. -0.012 min
Lab File: BF124384.D
Acq: 18 Jun 2021 20:43

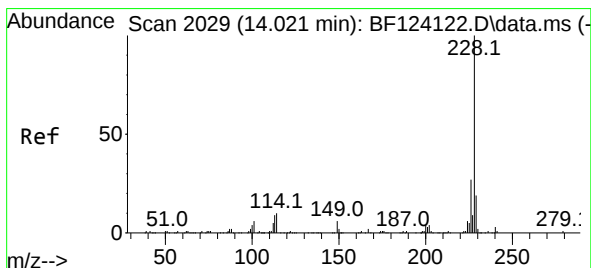
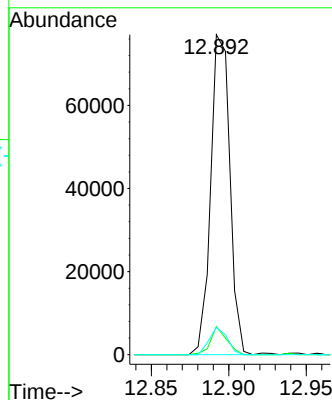
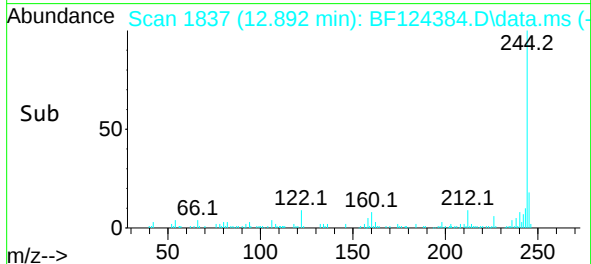
Instrument :
BNA_F
ClientSampleId :
RF-01 3.5-4.0



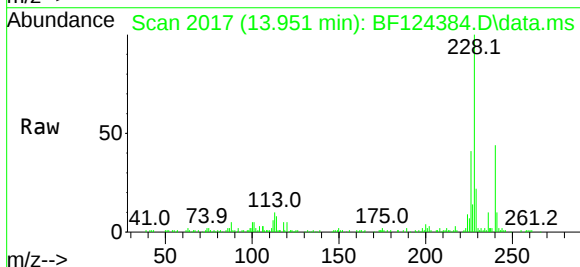
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Ion Ratio Lower Upper
244 100
212 8.8 5.7 8.5#
122 8.6 9.7 14.5#

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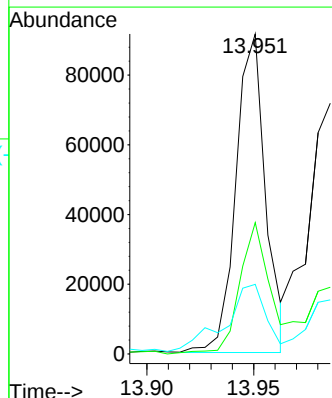
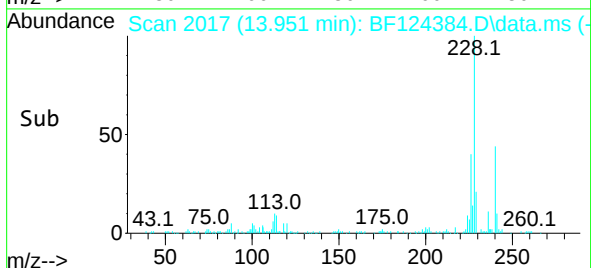
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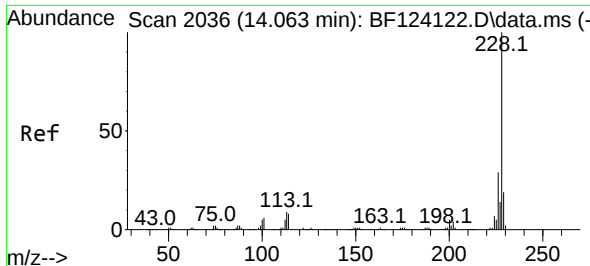


#81
Benzo(a)anthracene
Concen: 13.459 ng m
RT: 13.951 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF124384.D
Acq: 18 Jun 2021 20:43

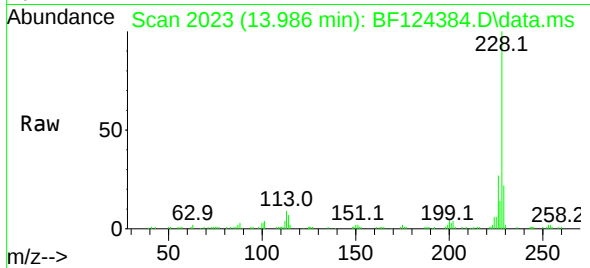


Tgt Ion:228 Resp: 88387
Ion Ratio Lower Upper
228 100
226 41.1 22.4 33.6#
229 21.7 16.0 24.0

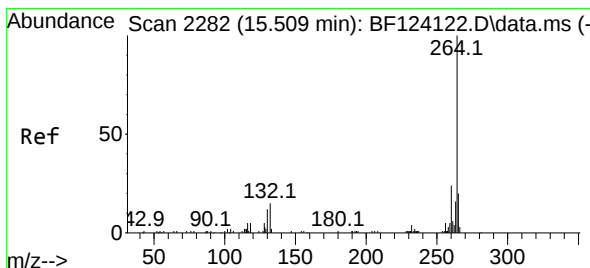
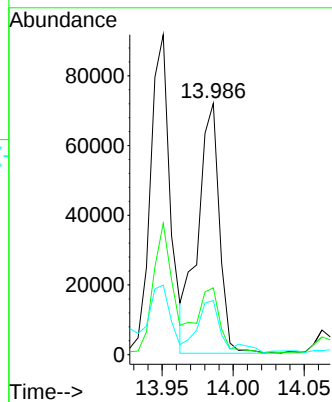
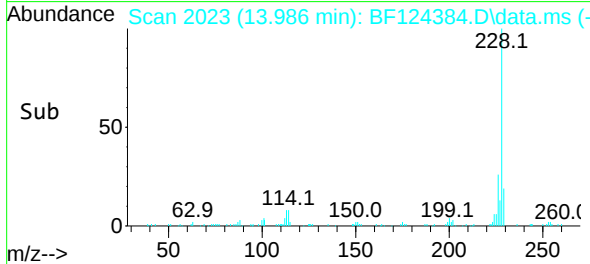




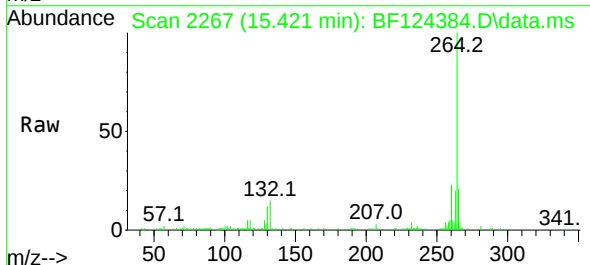
#83
Chrysene
Concen: 11.981 ng
RT: 13.986 min Scan# 2023
Delta R.T. -0.006 min
Lab File: BF124384.D
Acq: 18 Jun 2021 20:43



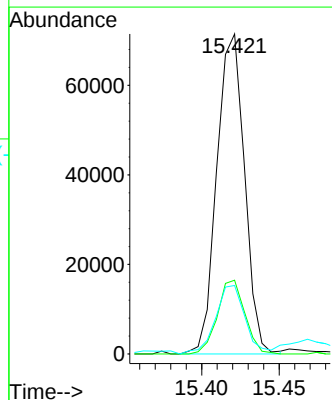
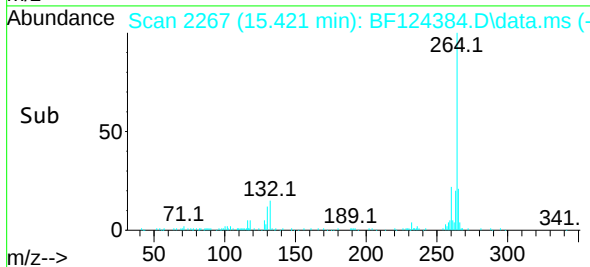
Tgt Ion: 228 Resp: 75911
Ion Ratio Lower Upper
228 100
226 26.6 24.3 36.5
229 21.5 16.2 24.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2267
Delta R.T. 0.006 min
Lab File: BF124384.D
Acq: 18 Jun 2021 20:43



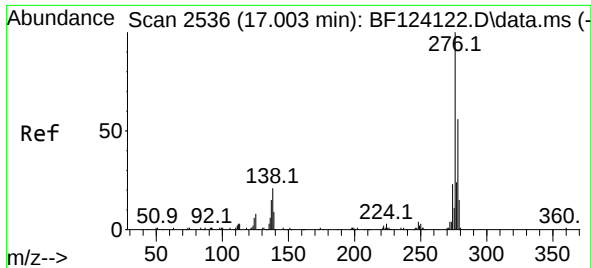
Tgt Ion: 264 Resp: 89037
Ion Ratio Lower Upper
264 100
260 23.1 18.7 28.1
265 21.4 17.8 26.8



Instrument :
BNA_F
ClientSampleId :
RF-01 3.5-4.0

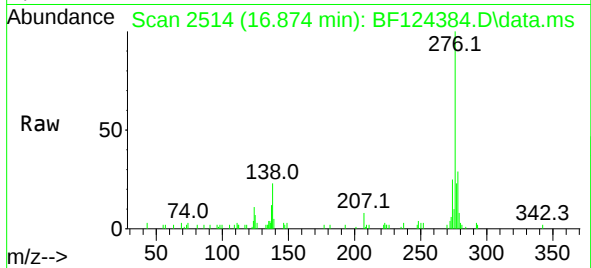
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#87
 Indeno(1,2,3-cd)pyrene
 Concen: 9.563 ng
 RT: 16.874 min Scan# 2514
 Delta R.T. 0.000 min
 Lab File: BF124384.D
 Acq: 18 Jun 2021 20:43

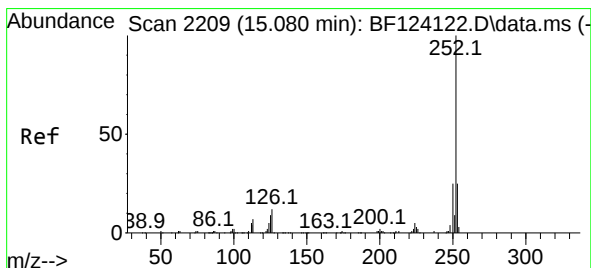
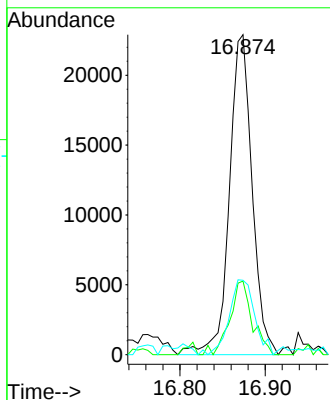
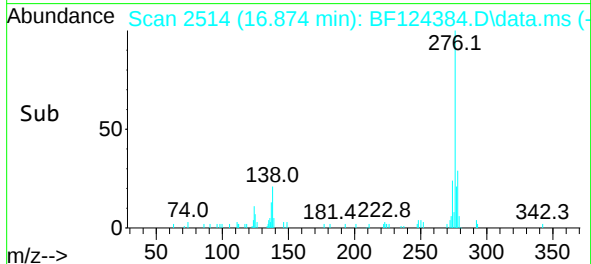
Instrument :
 BNA_F
 ClientSampleId :
 RF-01 3.5-4.0



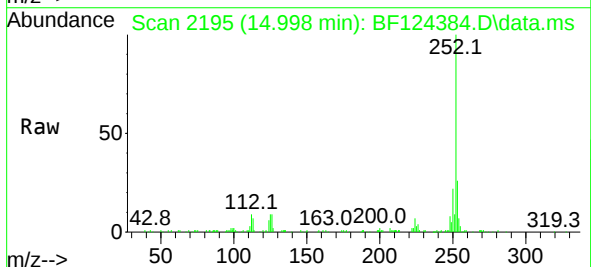
Tgt Ion: 276 Resp: 42584
 Ion Ratio Lower Upper
 276 100
 138 22.7 16.2 24.2
 277 26.1 20.1 30.1

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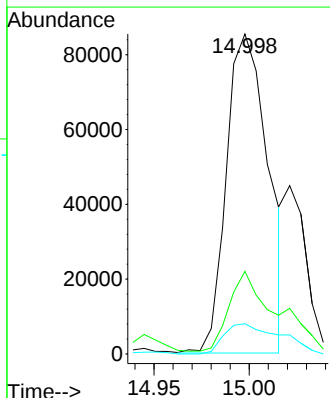
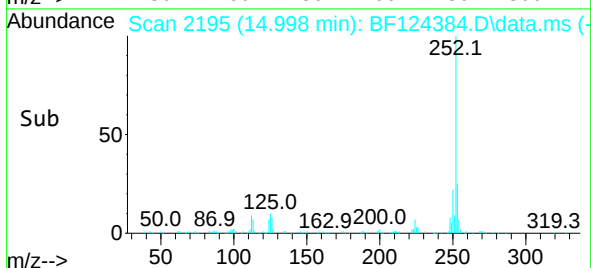
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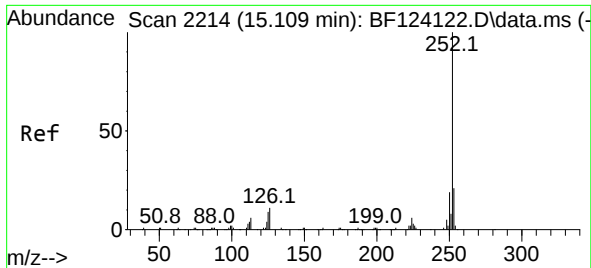


#88
 Benzo(b)fluoranthene
 Concen: 18.814 ng m
 RT: 14.998 min Scan# 2195
 Delta R.T. 0.000 min
 Lab File: BF124384.D
 Acq: 18 Jun 2021 20:43



Tgt Ion: 252 Resp: 130126
 Ion Ratio Lower Upper
 252 100
 253 25.8 18.1 27.1
 125 9.5 6.2 9.4#





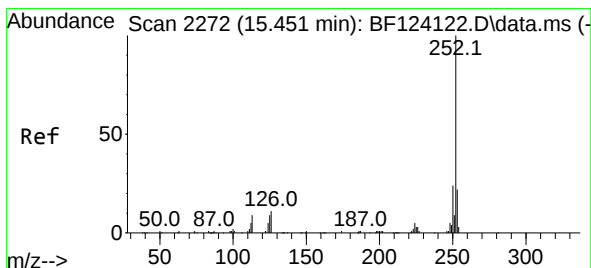
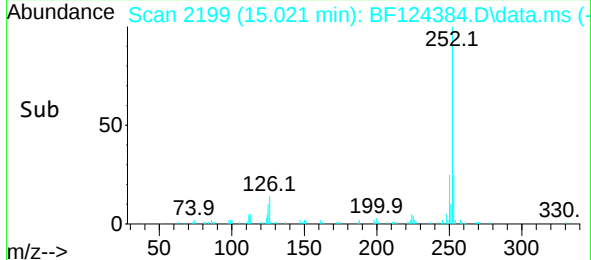
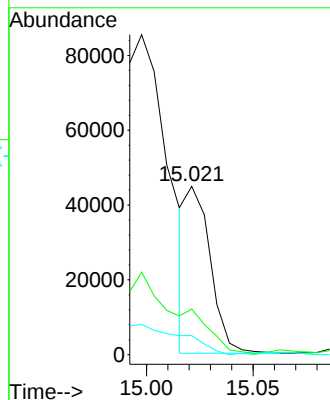
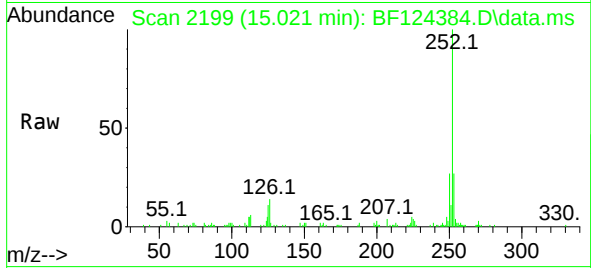
#89
Benzo(k)fluoranthene
Concen: 5.353 ng m
RT: 15.021 min Scan# 2199
Delta R.T. -0.006 min
Lab File: BF124384.D
Acq: 18 Jun 2021 20:43

Tgt Ion:252 Resp: 35047
Ion Ratio Lower Upper
252 100
253 27.1 17.9 26.9#
125 11.3 7.0 10.6#

Instrument :
BNA_F
ClientSampleId :
RF-01 3.5-4.0

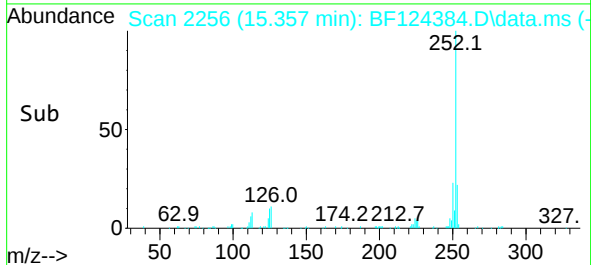
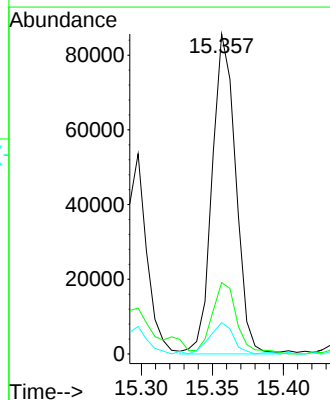
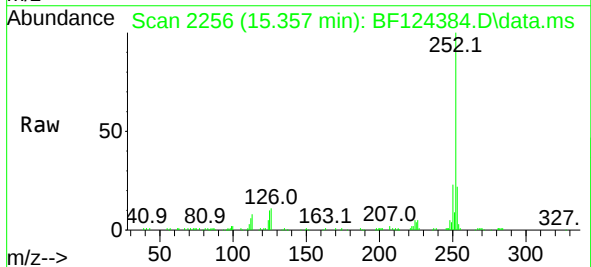
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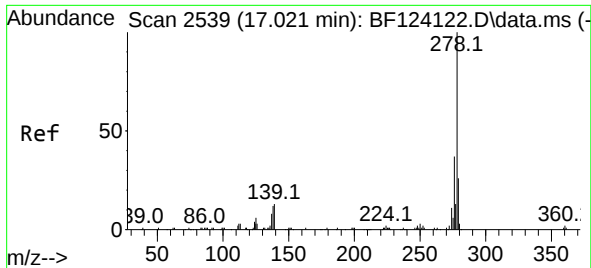
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#90
Benzo(a)pyrene
Concen: 16.542 ng
RT: 15.357 min Scan# 2256
Delta R.T. 0.000 min
Lab File: BF124384.D
Acq: 18 Jun 2021 20:43

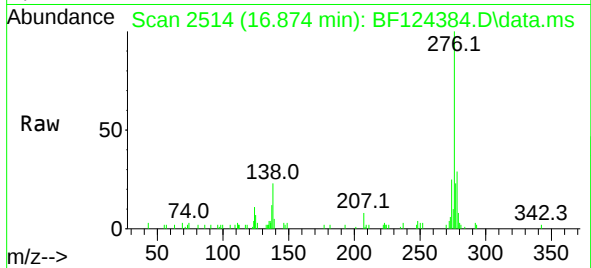
Tgt Ion:252 Resp: 99377
Ion Ratio Lower Upper
252 100
253 22.3 18.4 27.6
125 9.8 8.0 12.0





#91
Dibenzo(a,h)anthracene
Concen: 6.409 ng m
RT: 16.874 min Scan# 2514
Delta R.T. -0.012 min
Lab File: BF124384.D
Acq: 18 Jun 2021 20:43

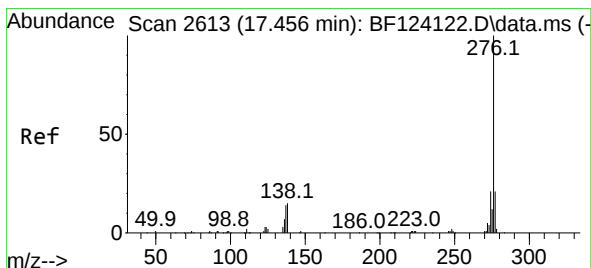
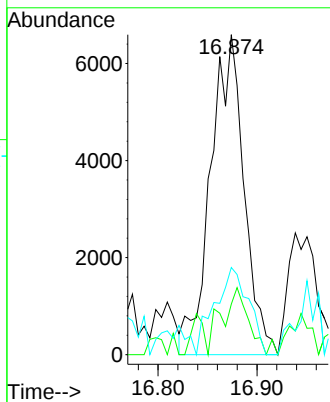
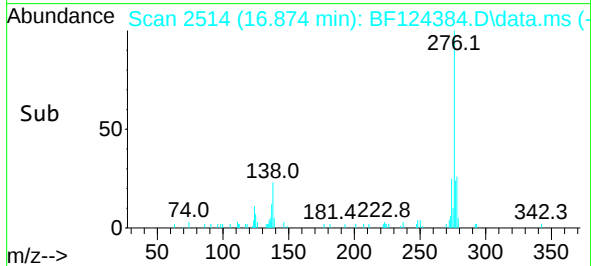
Instrument :
BNA_F
ClientSampled :
RF-01 3.5-4.0



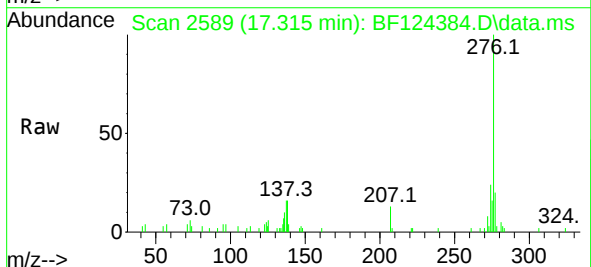
Tgt Ion:278 Resp: 15472
Ion Ratio Lower Upper
278 100
139 15.8 10.2 15.2#
279 27.2 19.4 29.0

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 8.845 ng
RT: 17.315 min Scan# 2589
Delta R.T. 0.000 min
Lab File: BF124384.D
Acq: 18 Jun 2021 20:43



Tgt Ion:276 Resp: 34152
Ion Ratio Lower Upper
276 100
277 19.5 18.2 27.2
138 15.9 13.8 20.6

