

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080219\
 Data File : BF115955.D
 Acq On : 2 Aug 2019 19:11
 Operator : HP/JU
 Sample : K4130-20
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1S-H-(0-30)-COMP

Manual Integrations
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mohammad
 8/8/2019 4:44:29 PM

Quant Time: Aug 03 00:57:38 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 15:31:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	128425	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	501339	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	265987	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	485571	20.00	ng	0.00
76) Chrysene-d12	14.03	240	367340	20.00	ng	0.00
87) Perylene-d12	15.49	264	366488	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	761077	99.21	ng	0.00
7) Phenol-d6	6.49	99	992492	102.54	ng	0.00
23) Nitrobenzene-d5	7.41	82	637566	73.41	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	259836	100.76	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	1038833	73.15	ng	0.00
79) Terphenyl-d14	12.96	244	1206434	69.20	ng	0.00
Target Compounds						
10) Phenol	6.49	94	41767	3.664	ng	79
50) Dimethylphthalate	9.60	163	117576	6.492	ng	99
52) Acenaphthene	9.92	154	39353	2.813	ng	99
58) Fluorene	10.44	166	31559	2.016	ng	99
71) Phenanthrene	11.40	178	608185	24.500	ng	100
72) Anthracene	11.46	178	205126	8.165	ng	99
75) Fluoranthene	12.60	202	1451862	55.867	ng	97
78) Pyrene	12.83	202	1309962	47.307	ng	99
81) Benzo(a)anthracene	14.02	228	761526	32.434	ng	99
83) Chrysene	14.05	228	649599	28.498	ng	98
86) Indeno(1,2,3-cd)pyrene	16.97	276	323615	16.903	ng	97
88) Benzo(b)fluoranthene	15.07	252	754760m	35.617	ng	
89) Benzo(k)fluoranthene	15.09	252	204898m	9.927	ng	
90) Benzo(a)pyrene	15.43	252	509392	26.891	ng	98
91) Dibenzo(a,h)anthracene	16.97	278	82526m	5.033	ng	
92) Benzo(g,h,i)perylene	17.42	276	302050	18.757	ng	99

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

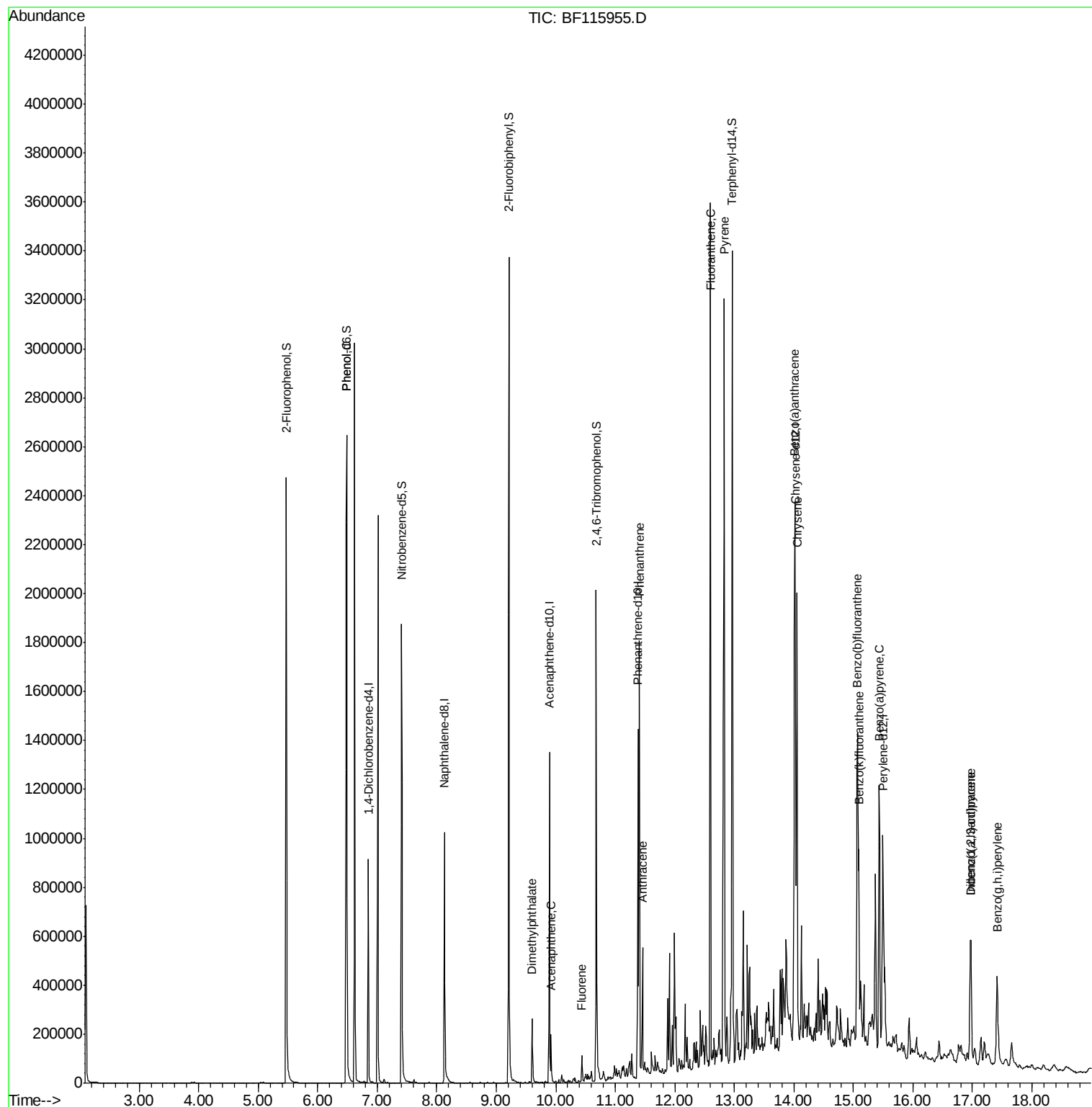
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080219\
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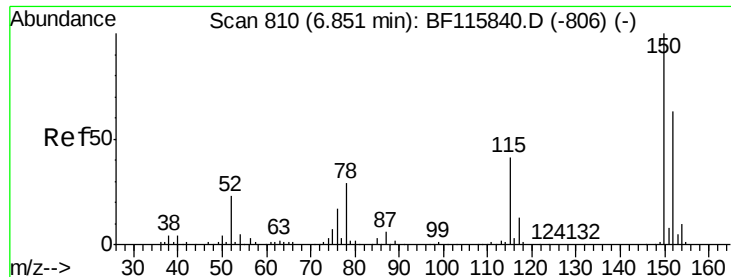
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#1

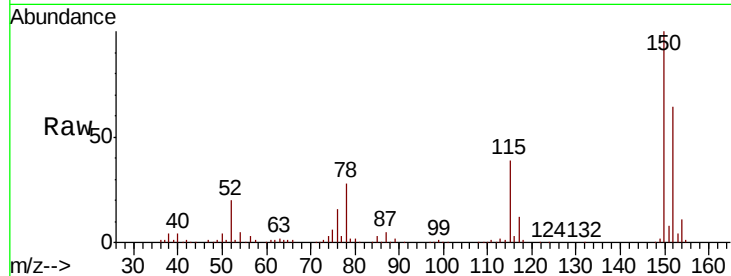
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF115955.D
Acq: 2 Aug 2019 19:11

Instrument :
BNA_F
ClientSampleId :
1S-H-(0-30)-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.2	127.4	191.0
115	60.3	51.8	77.8

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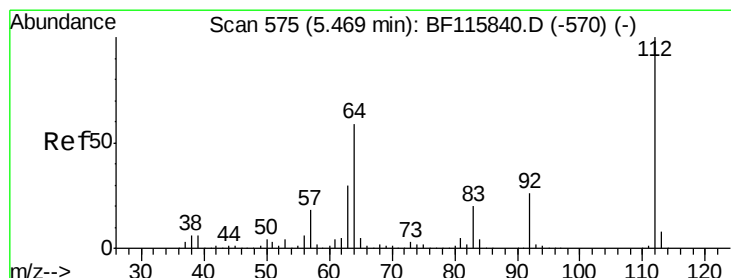
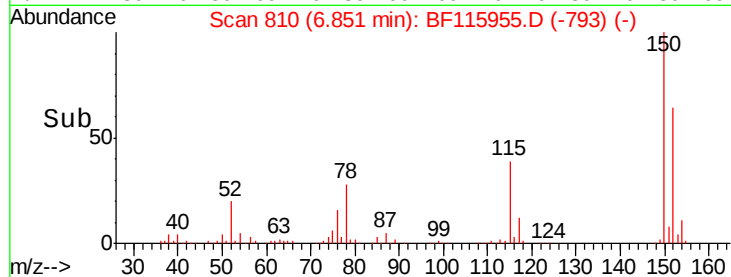
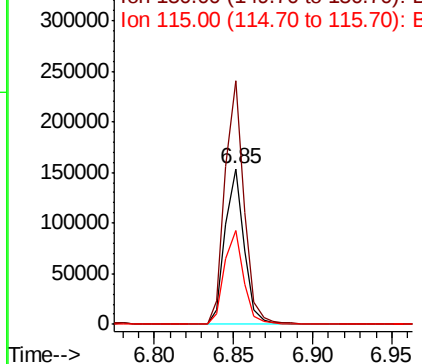


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

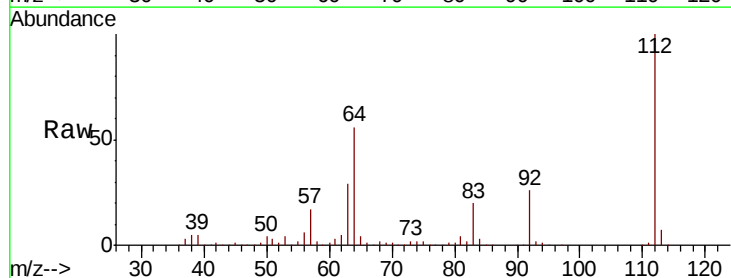
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 99.209 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF115955.D
Acq: 2 Aug 2019 19:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.4	46.8	70.2
63	29.0	24.2	36.2

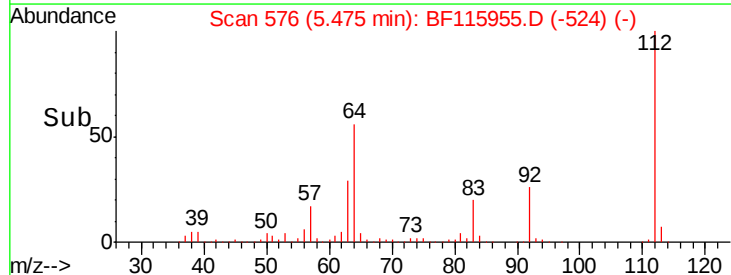
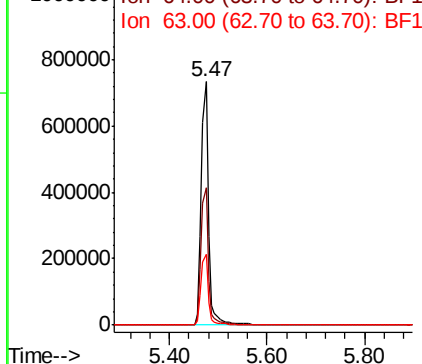


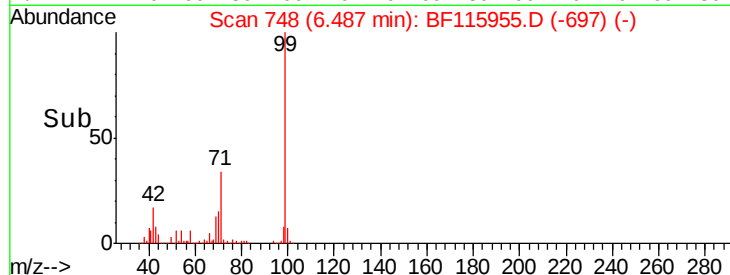
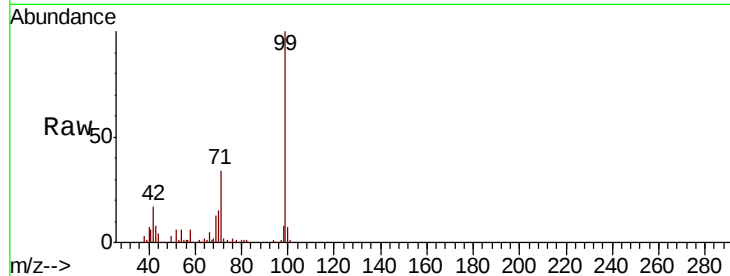
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 102.542 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.00 min

Lab File: BF115955.D

Acq: 2 Aug 2019 19:11

Tot Ion:	99	Resp:	992492
Ion Ratio	Lower	Upper	
99	100		
42	16.5	13.8	20.6
71	33.5	27.1	40.7

Instrument :

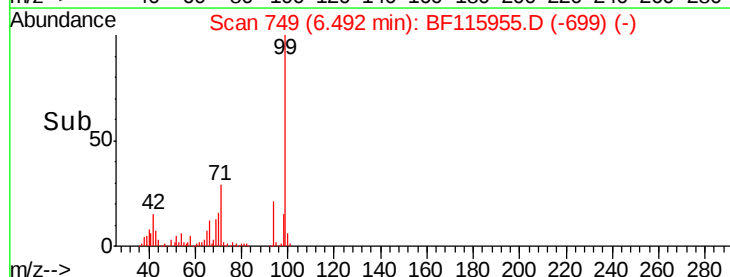
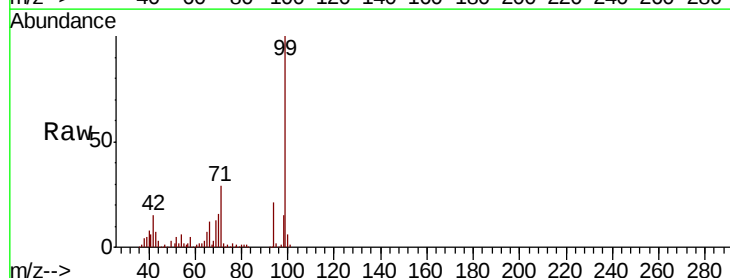
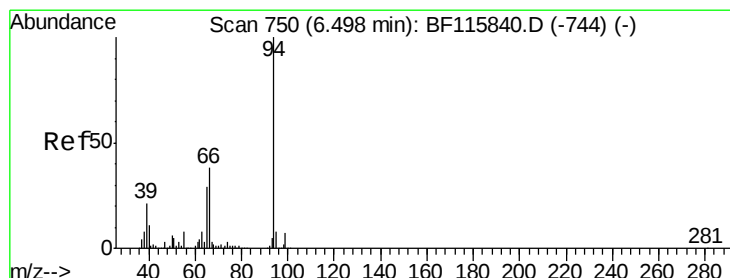
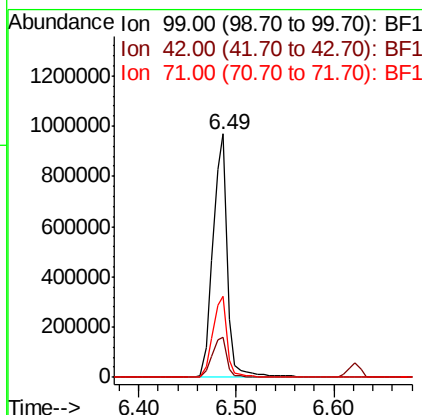
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ClientSampleId :

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#10

Phenol

Concen: 3.664 ng

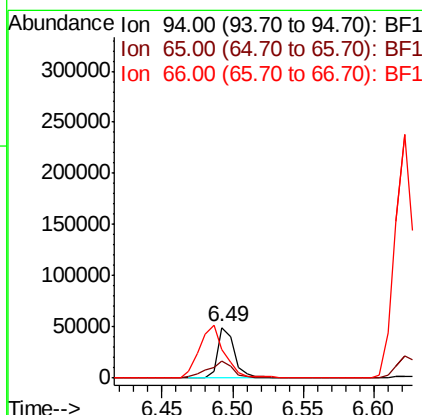
RT: 6.49 min Scan# 749

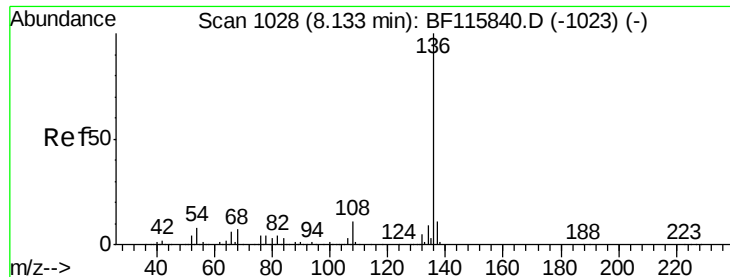
Delta R.T. -0.01 min

Lab File: BF115955.D

Acq: 2 Aug 2019 19:11

Tgt Ion:	94	Resp:	41767
Ion Ratio	Lower	Upper	
94	100		
65	33.4	8.9	48.9
66	56.4	18.0	58.0





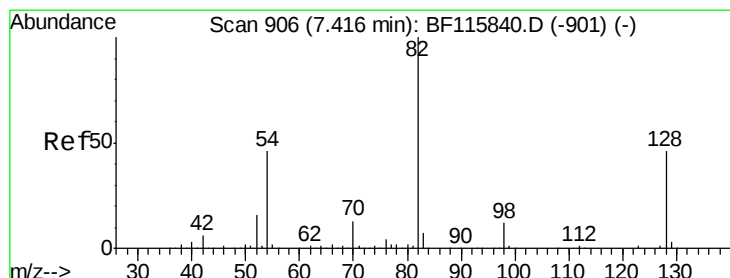
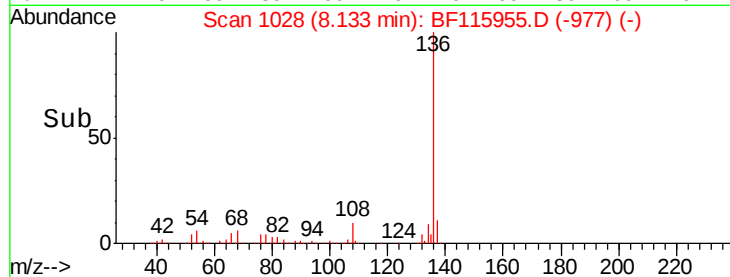
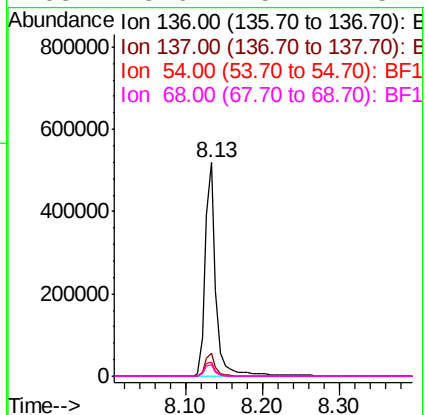
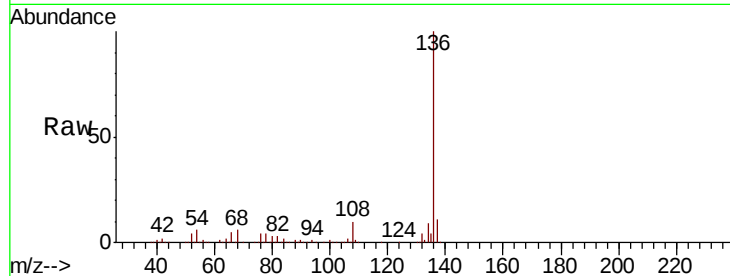
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BF115955.D
Acq: 2 Aug 2019 19:11

Instrument :
BNA_F
ClientSampleId :
1S-H-(0-30)-COMP

Tot Ion	Ratio	Resp	Lower	Upper
136	100	501339		
137	10.6		9.1	13.7
54	6.4		6.1	9.1
68	5.6		5.4	8.2

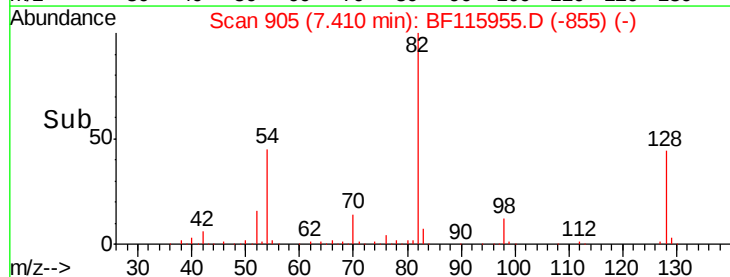
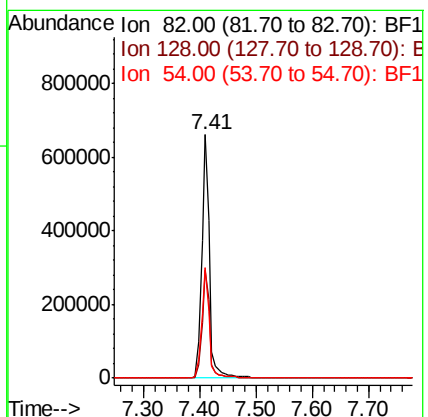
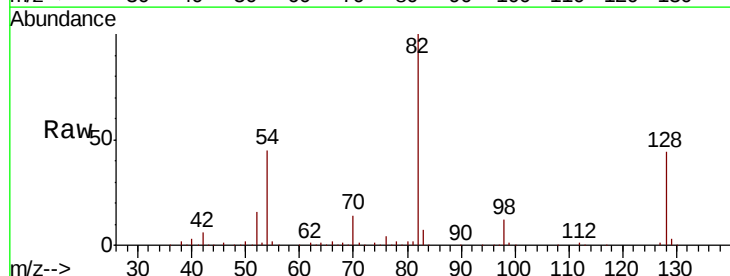
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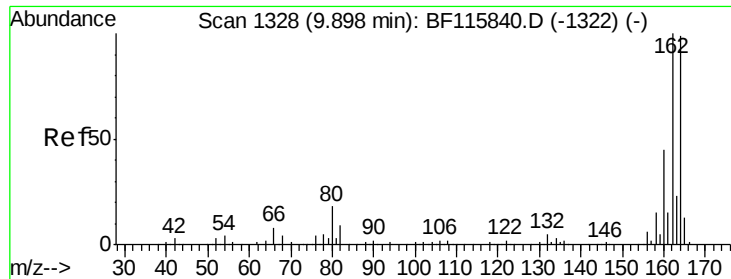
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#23
Nitrobenzene-d5
Concen: 73.408 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF115955.D
Acq: 2 Aug 2019 19:11

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	637566		
128	44.2		36.6	55.0
54	45.3		36.6	55.0





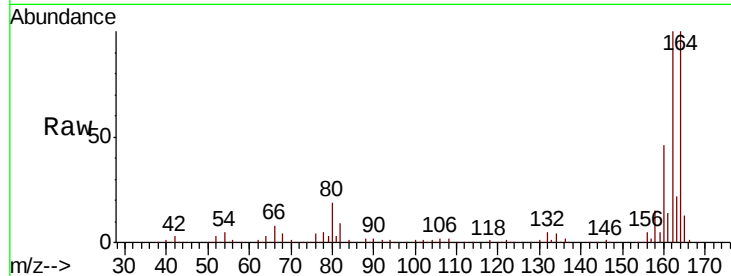
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF115955.D
Acq: 2 Aug 2019 19:11

Instrument :
BNA_F
ClientSampleId :
1S-H(0-30)-COMP

Tot Ion	Ratio	Resp	Lower	Upper
164	100	265987		
162	99.6	80.8	121.2	
160	46.0	36.2	54.4	

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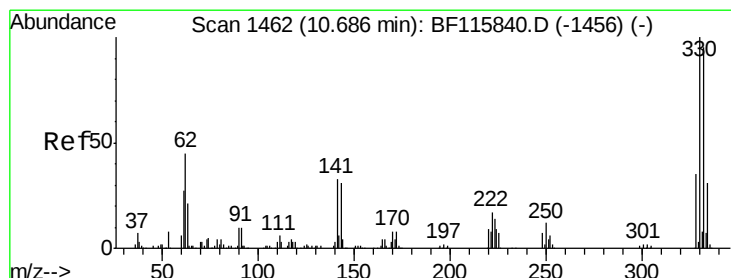
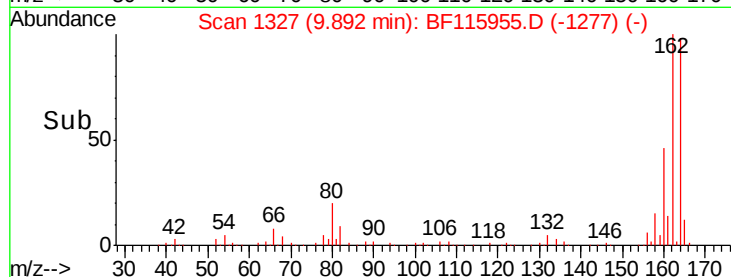
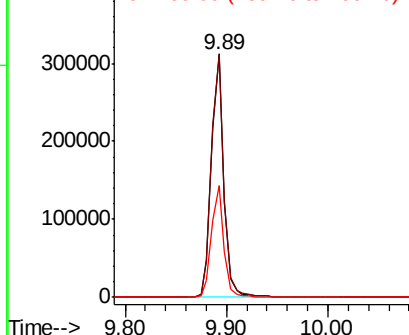


Abundance

Ion 164.00 (163.70 to 164.70): E

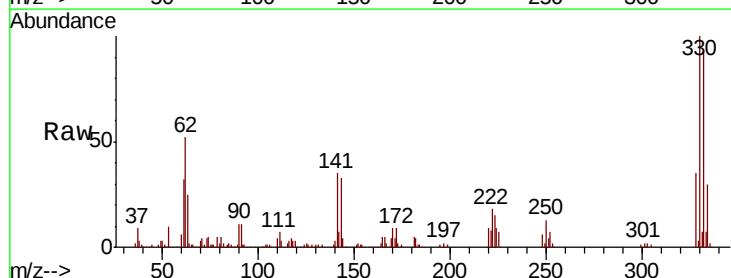
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 100.758 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.01 min
Lab File: BF115955.D
Acq: 2 Aug 2019 19:11

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	259836		
332	95.0	77.7	116.5	
141	34.8	28.1	42.1	

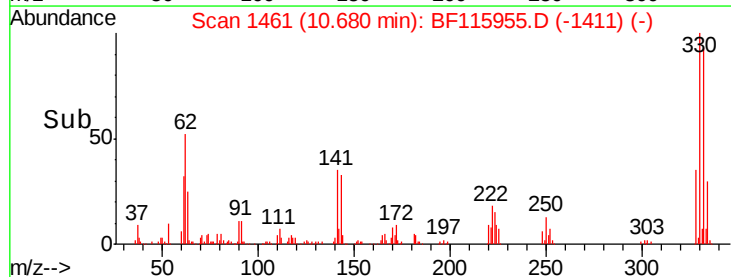
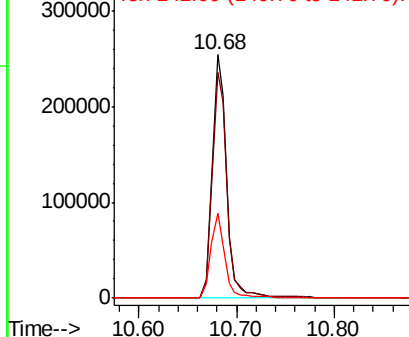


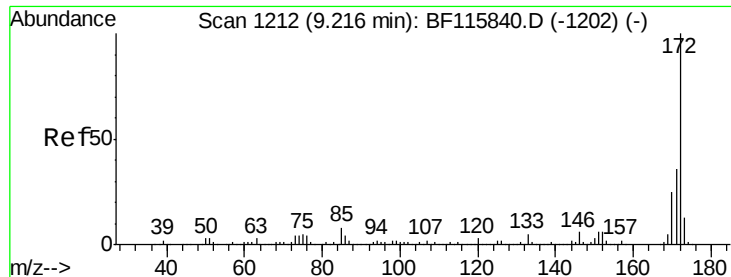
Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





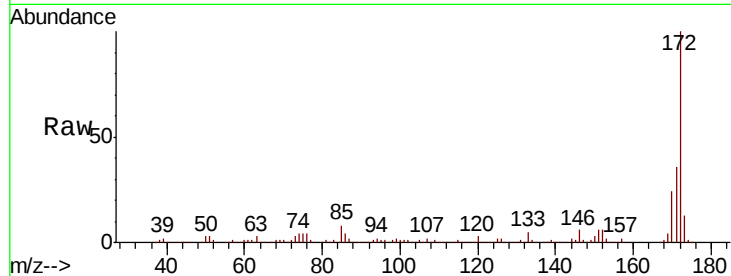
#45
2-Fluorobiphenyl
Concen: 73.154 ng
RT: 9.21 min Scan# 1211
Delta R.T. -0.01 min
Lab File: BF115955.D
Acq: 2 Aug 2019 19:11

Instrument :
BNA_F
ClientSampleId :
1S-H-(0-30)-COMP

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.1	43.7
170	24.5	20.1	30.1

Manual Integrations
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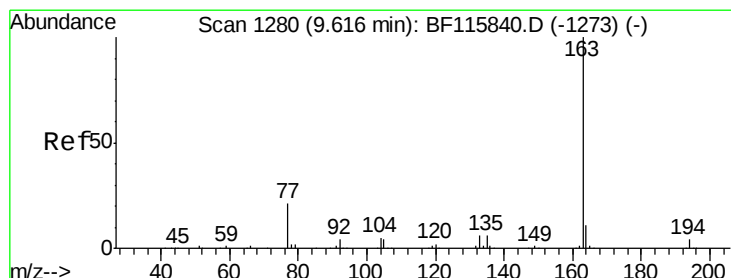
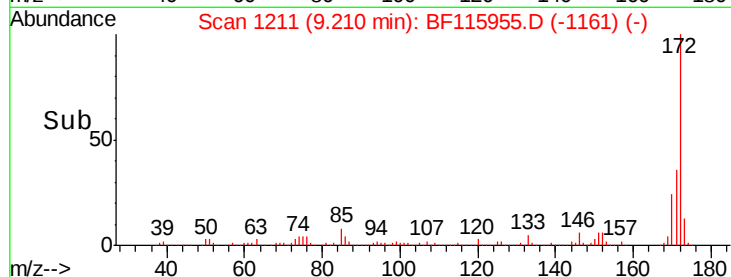
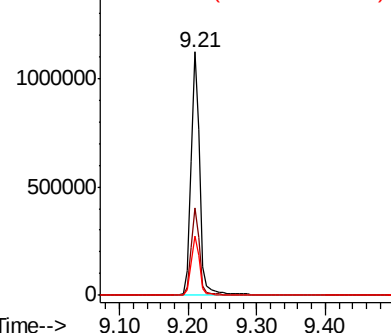


Abundance

Ion 172.00 (171.70 to 172.70): E

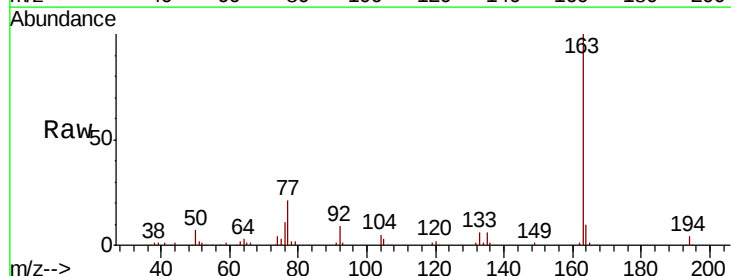
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 6.492 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.01 min
Lab File: BF115955.D
Acq: 2 Aug 2019 19:11

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.6
164	9.8	8.4	12.6

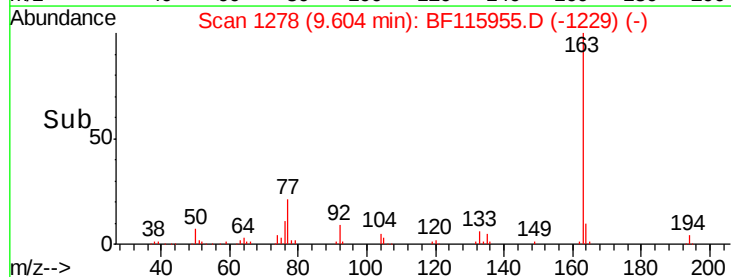
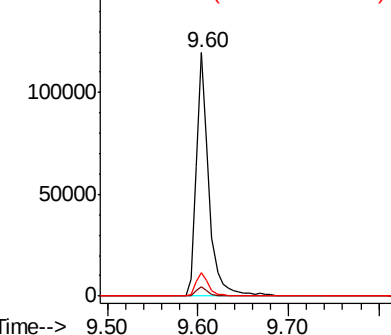


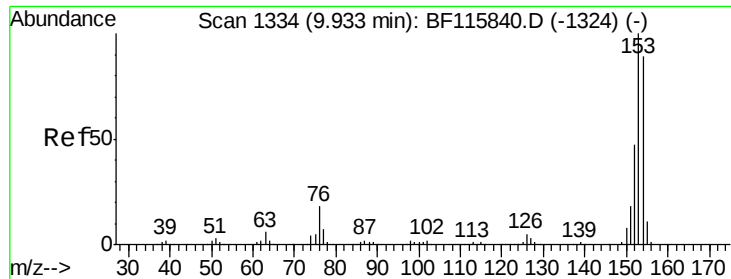
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#52

Acenaphthene

Concen: 2.813 ng

RT: 9.92 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF115955.D

Acq: 2 Aug 2019 19:11

Instrument :

BNA_F

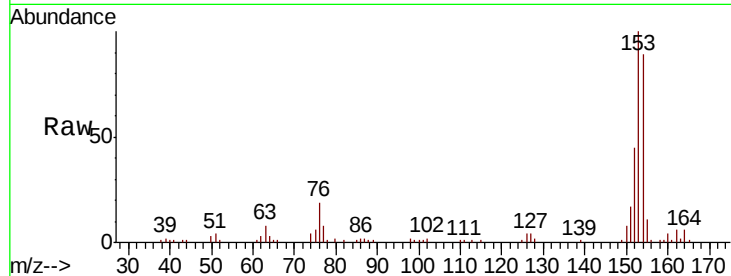
ClientSampleId :

1S-H(0-30)-COMP

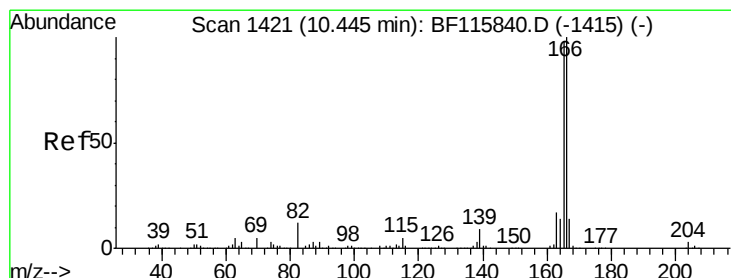
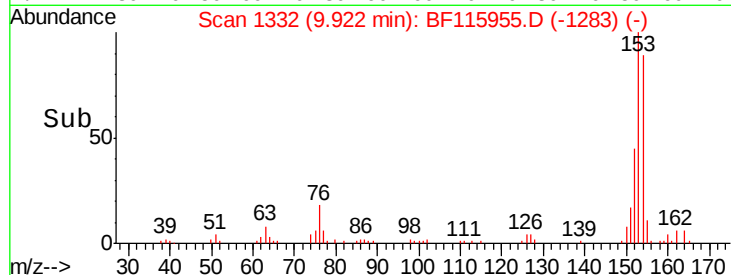
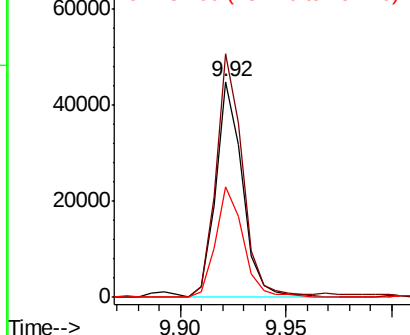
Tot Ion:	154	Resp:	39353
Ion Ratio	Lower	Upper	
154	100		
153	112.9	90.1	135.1
152	51.2	42.6	63.8

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#58

Fluorene

Concen: 2.016 ng

RT: 10.44 min Scan# 1420

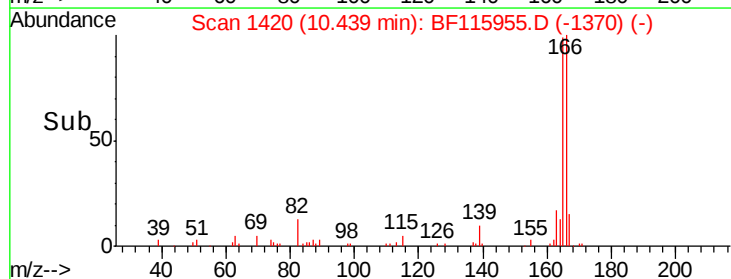
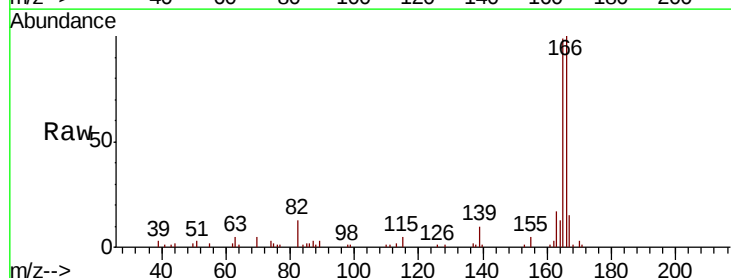
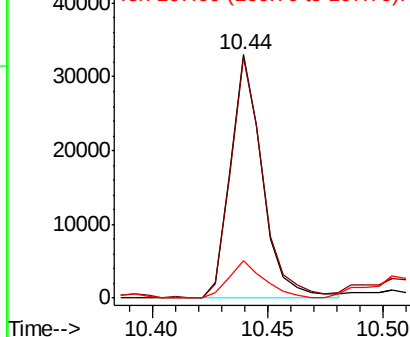
Delta R.T. -0.01 min

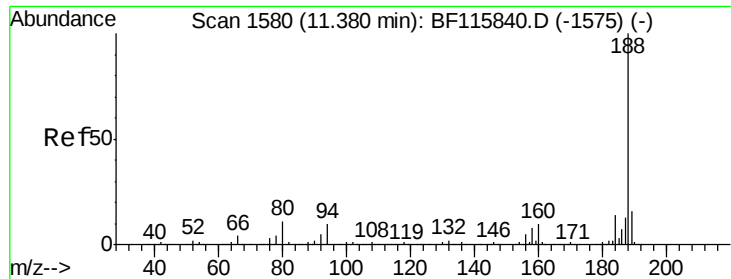
Lab File: BF115955.D

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Tgt Ion:	166	Resp:	31559
Ion Ratio	Lower	Upper	
166	100		
165	99.0	78.6	118.0
167	15.3	10.9	16.3

Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





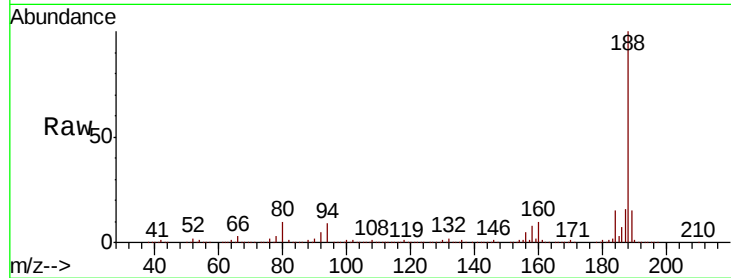
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. 0.00 min
Lab File: BF115955.D
Acq: 2 Aug 2019 19:11

Instrument :
BNA_F
ClientSampleId :
1S-H-(0-30)-COMP

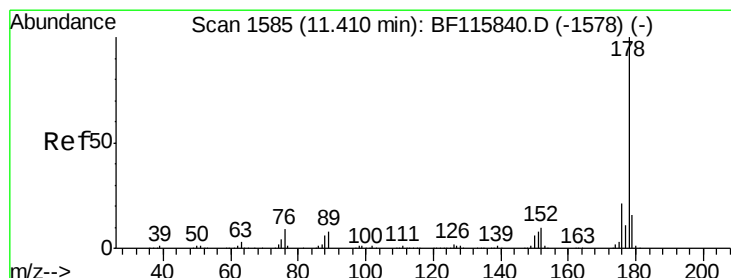
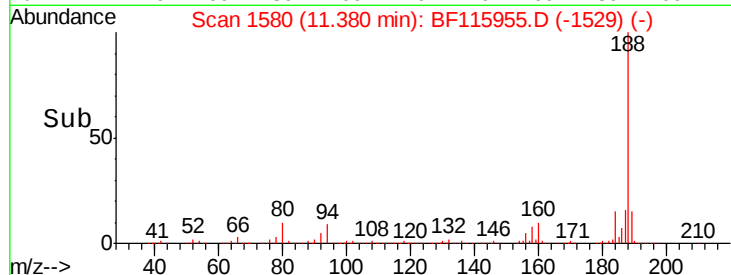
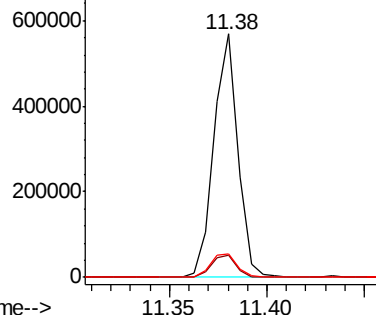
Tot Ion	Ratio	Resp	Lower	Upper
188	100	485571		
94	9.1	8.0	12.0	
80	9.9	8.6	12.8	

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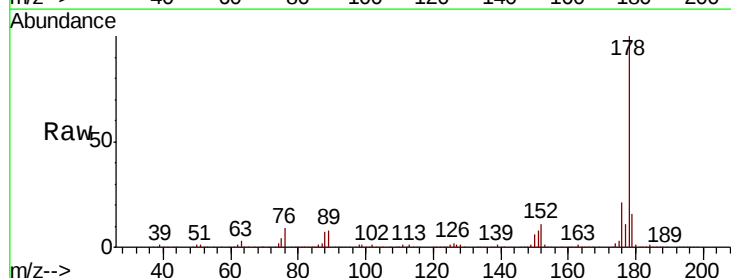


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

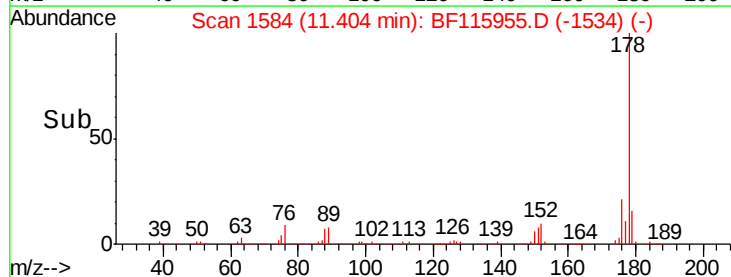
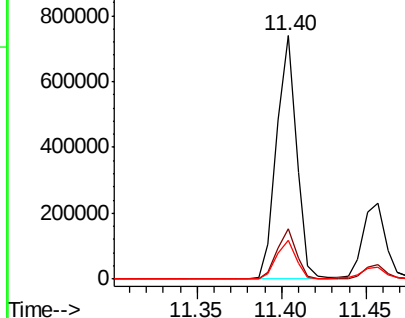


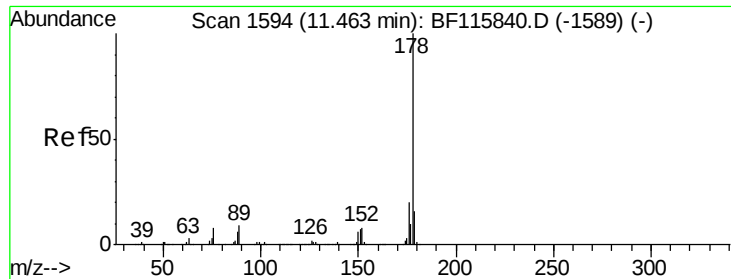
#71
Phenanthrene
Concen: 24.500 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF115955.D
Acq: 2 Aug 2019 19:11

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	608185		
176	20.6	16.5	24.7	
179	15.8	12.6	18.8	



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 8.165 ng

RT: 11.46 min Scan# 1593

Delta R.T. -0.01 min

Lab File: BF115955.D

Acq: 2 Aug 2019 19:11

Instrument :

BNA_F

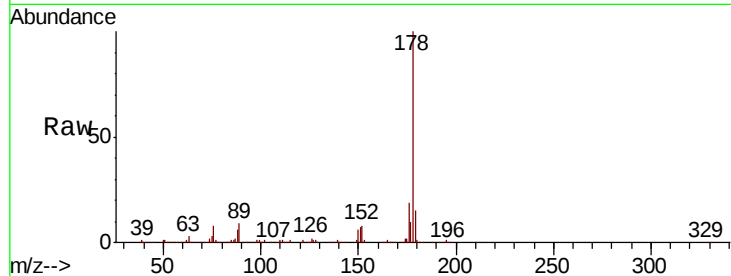
ClientSampleId :

1S-H-(0-30)-COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.7	23.5
179	15.4	12.4	18.6

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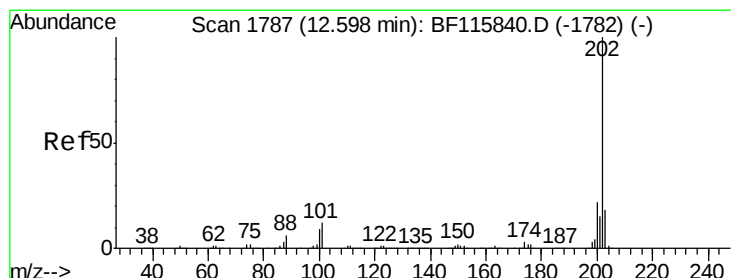
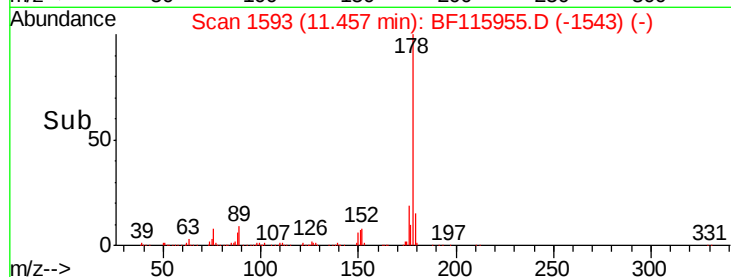
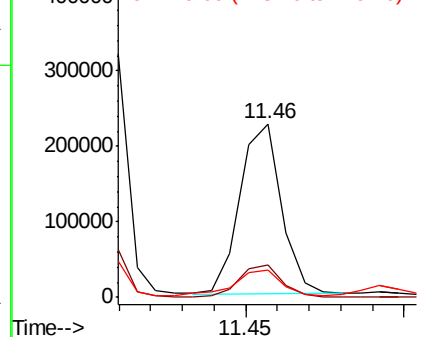


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 55.867 ng

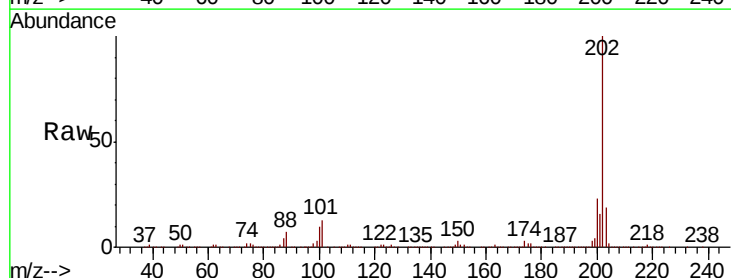
RT: 12.60 min Scan# 1787

Delta R.T. 0.00 min

Lab File: BF115955.D

Acq: 2 Aug 2019 19:11

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.5	0.0	31.5
203	18.9	0.0	37.9

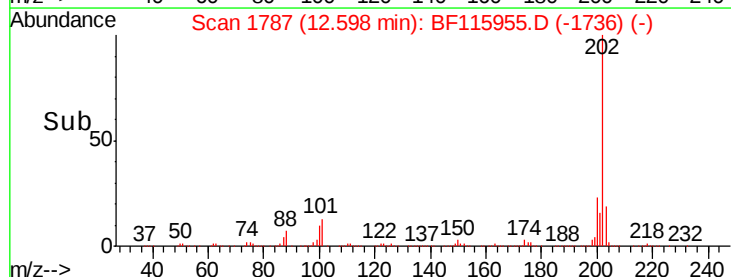
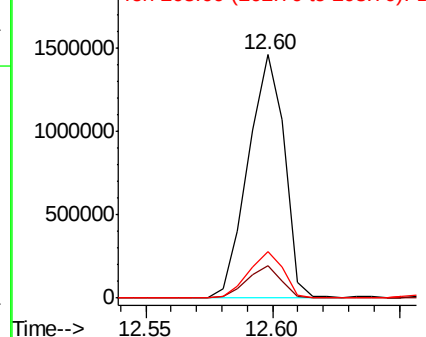


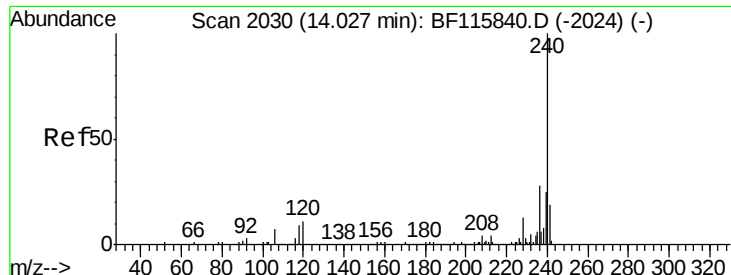
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





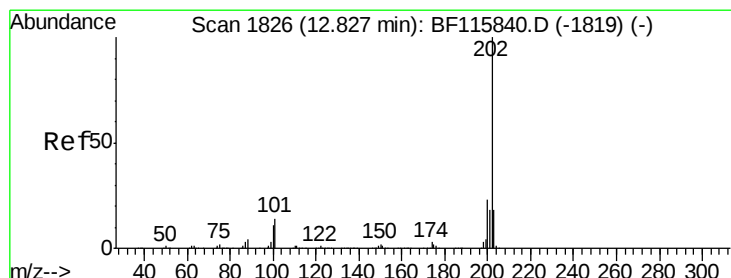
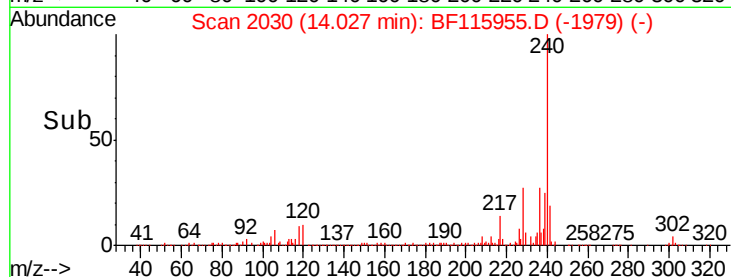
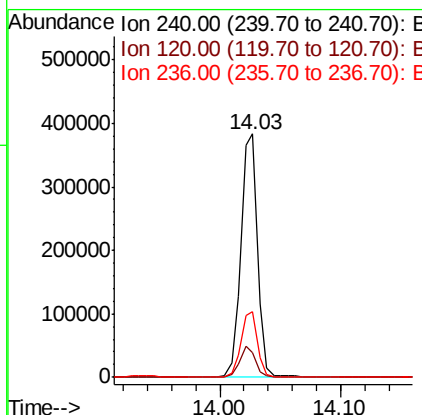
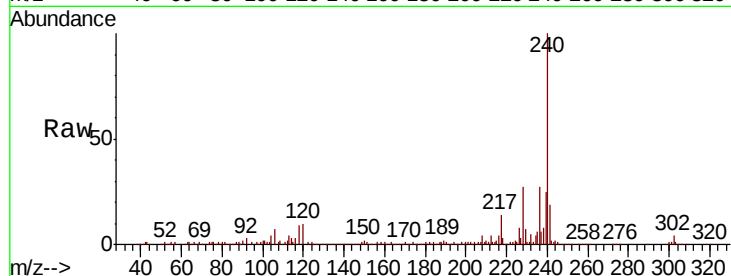
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2030
Delta R.T. 0.00 min
Lab File: BF115955.D
Acq: 2 Aug 2019 19:11

Instrument :
BNA_F
ClientSampleId :
1S-H-(0-30)-COMP

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.0	8.5	12.7
236	27.2	22.2	33.2

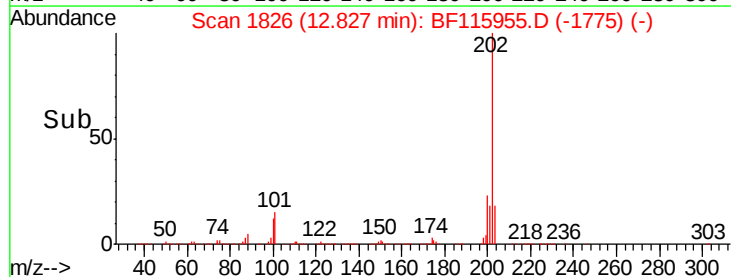
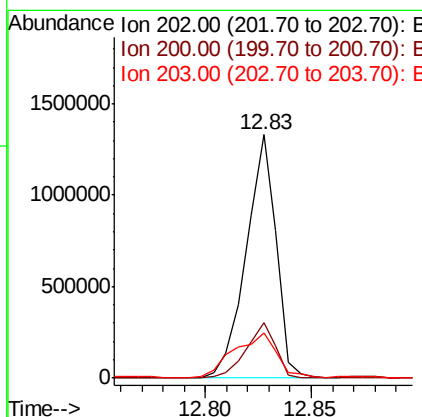
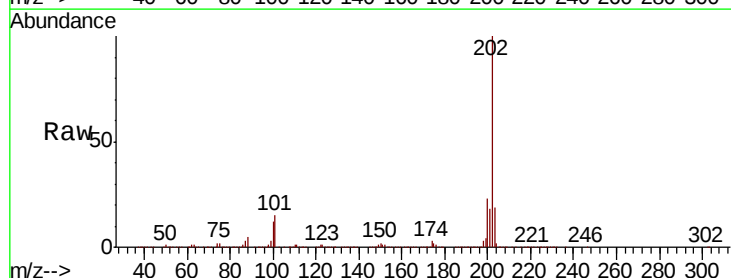
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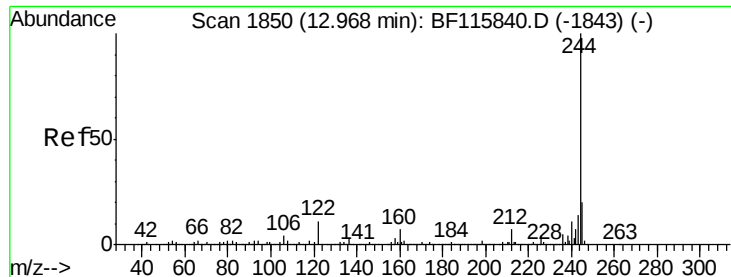
mohammad
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#78
Pyrene
Concen: 47.307 ng
RT: 12.83 min Scan# 1826
Delta R.T. 0.00 min
Lab File: BF115955.D
Acq: 2 Aug 2019 19:11

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.9	18.2	27.2
203	18.6	14.3	21.5





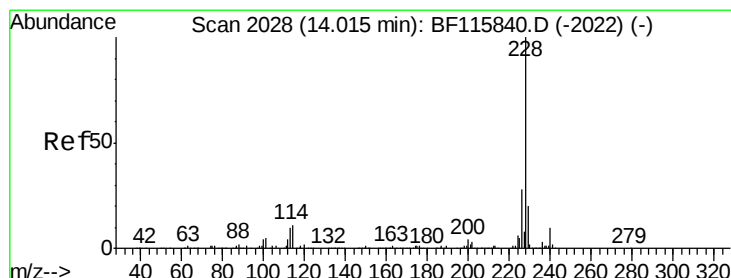
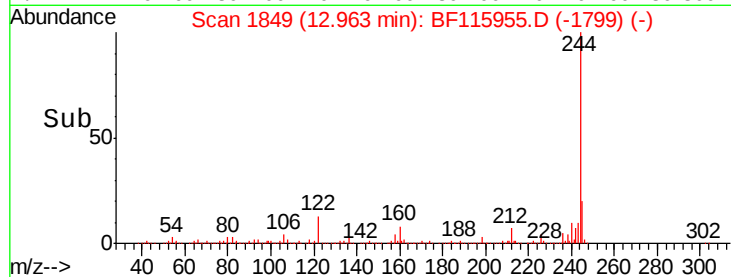
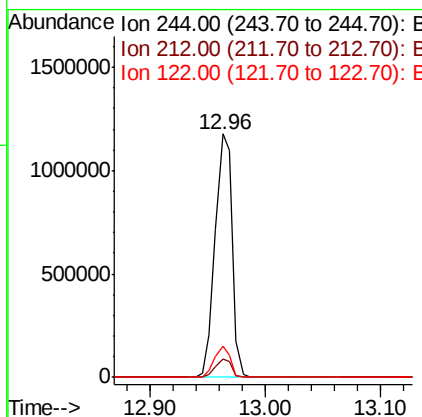
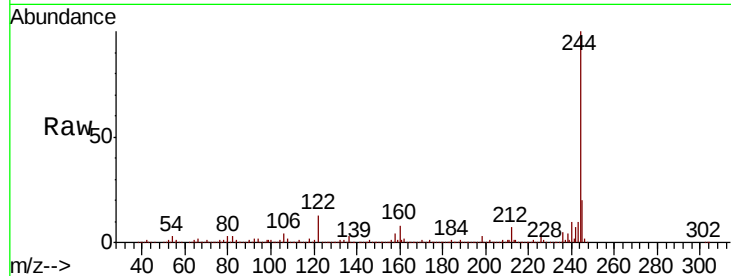
#79
 Terphenyl-d14
 Concen: 69.204 ng
 RT: 12.96 min Scan# 1849
 Delta R.T. -0.01 min
 Lab File: BF115955.D
 Acq: 2 Aug 2019 19:11

Instrument :
 BNA_F
 ClientSampleId :
 1S-H-(0-30)-COMP

Tot Ion:244 Resp: 1206434
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.6 8.4
 122 12.9 8.6 13.0

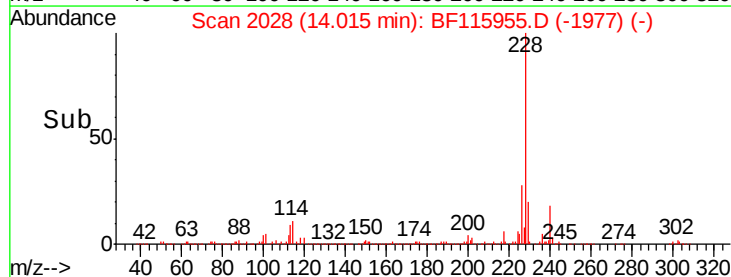
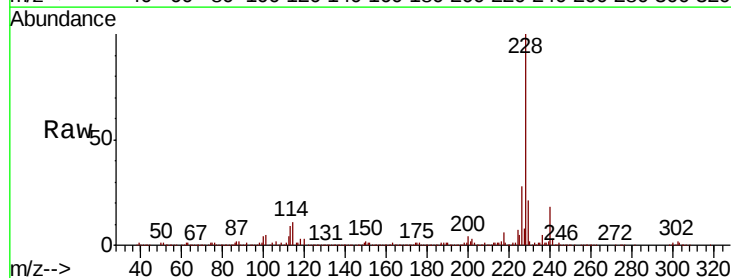
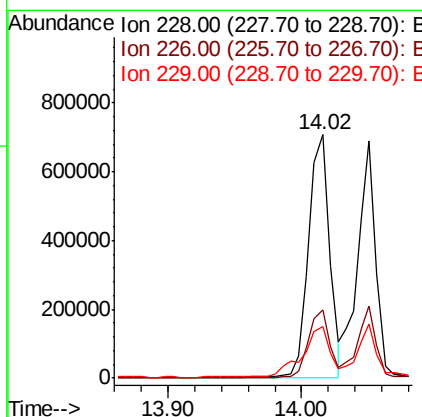
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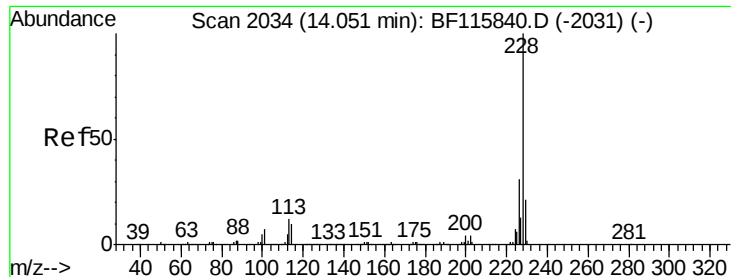
mohammad
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#81
 Benzo(a)anthracene
 Concen: 32.434 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. 0.00 min
 Lab File: BF115955.D
 Acq: 2 Aug 2019 19:11

Tgt Ion:228 Resp: 761526
 Ion Ratio Lower Upper
 228 100
 226 28.2 22.5 33.7
 229 21.0 16.1 24.1





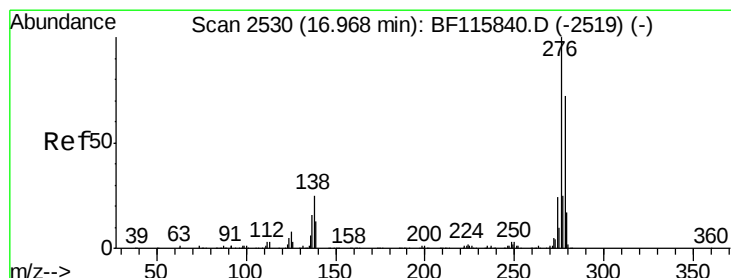
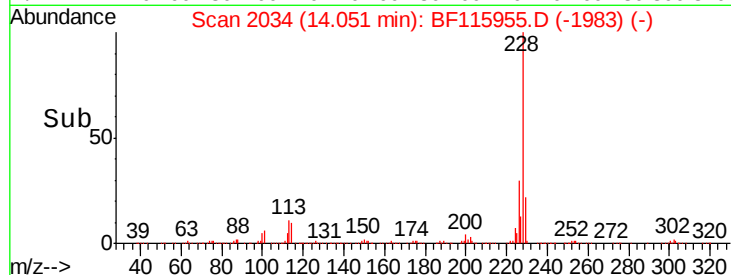
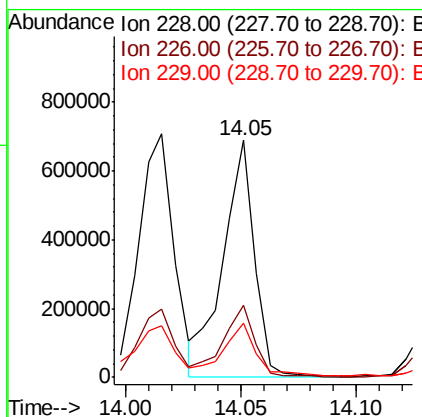
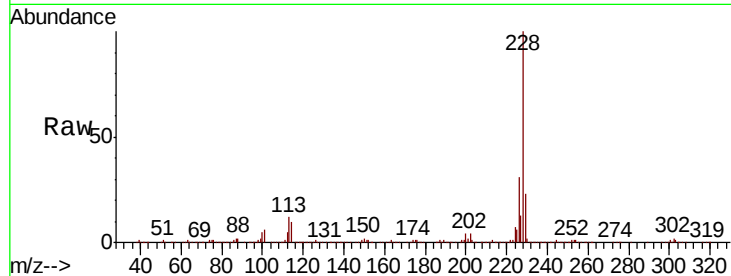
#83
Chrysene
Concen: 28.498 ng
RT: 14.05 min Scan# 2034
Delta R.T. 0.00 min
Lab File: BF115955.D
Acq: 2 Aug 2019 19:11

Instrument :
BNA_F
ClientSampleId :
1S-H-(0-30)-COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.8	37.2
229	22.7	16.4	24.6

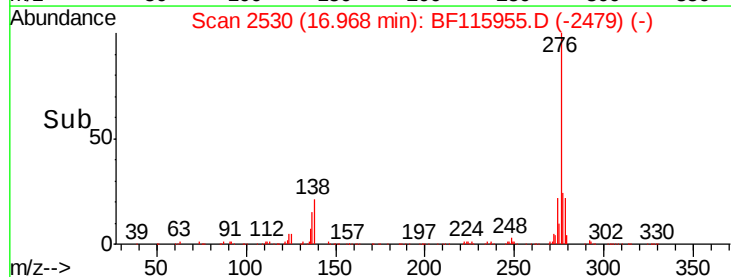
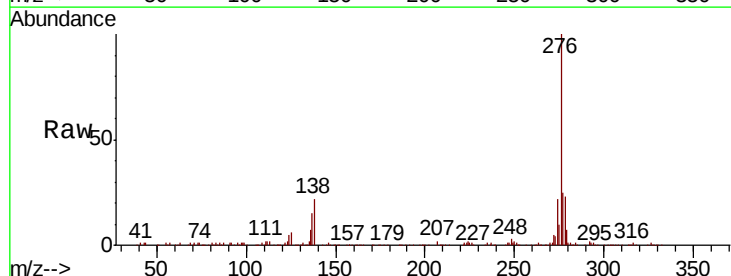
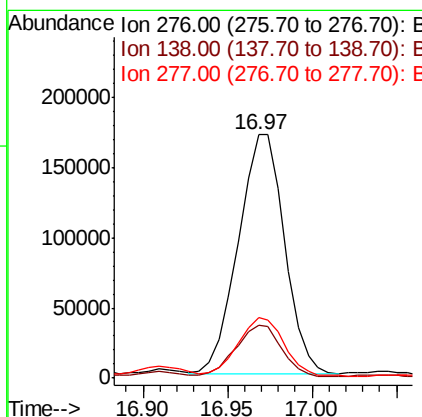
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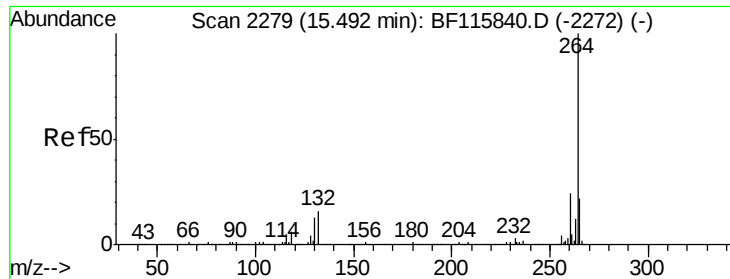
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 16.903 ng
RT: 16.97 min Scan# 2530
Delta R.T. 0.00 min
Lab File: BF115955.D
Acq: 2 Aug 2019 19:11

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.2	19.6	29.4
277	24.4	20.1	30.1





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.49 min Scan# 2279

Delta R.T. 0.00 min

Lab File: BF115955.D

Acq: 2 Aug 2019 19:11

Instrument :

BNA_F

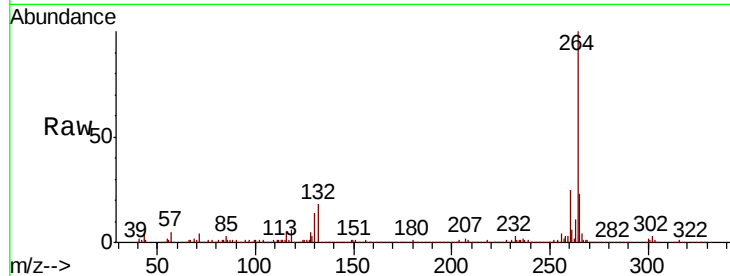
ClientSampleId :

1S-H-(0-30)-COMP

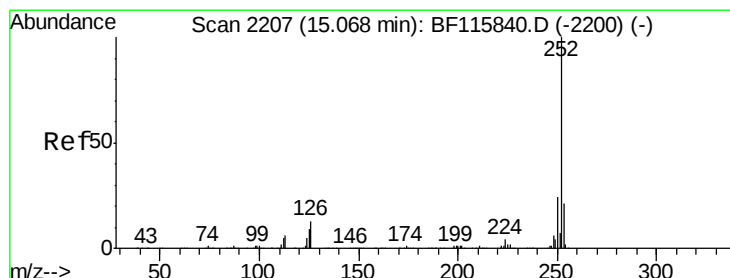
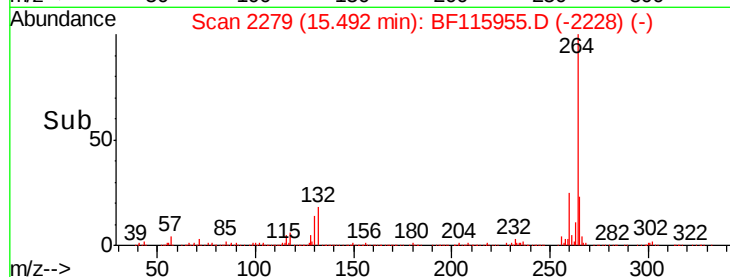
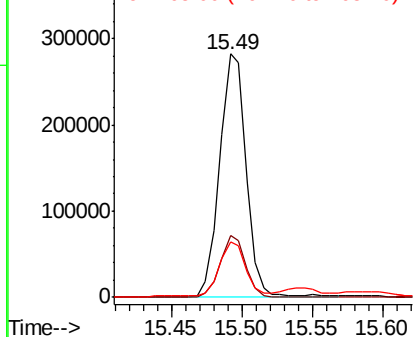
Tot Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.4	29.2
265	22.9	17.5	26.3

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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 35.617 ng m

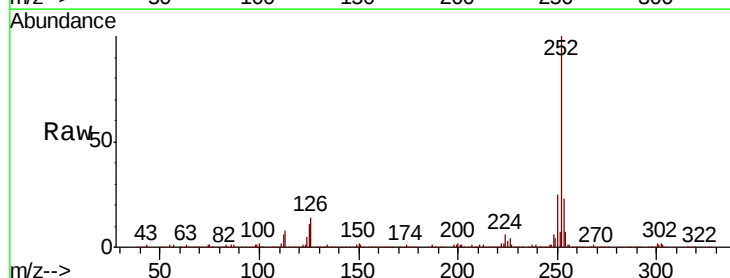
RT: 15.07 min Scan# 2207

Delta R.T. 0.00 min

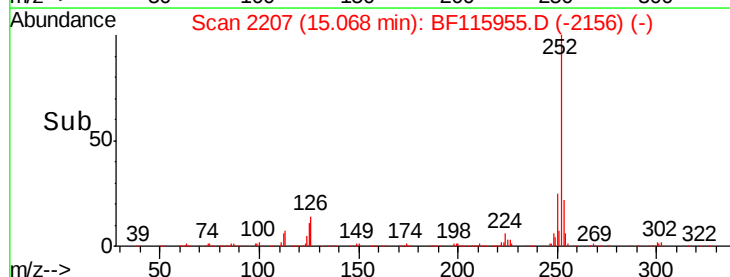
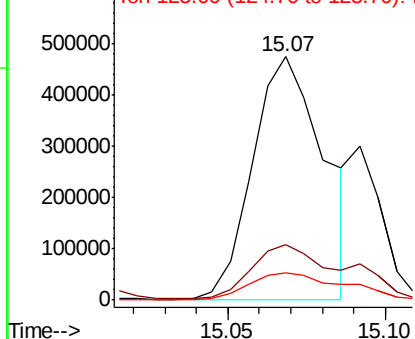
Lab File: BF115955.D

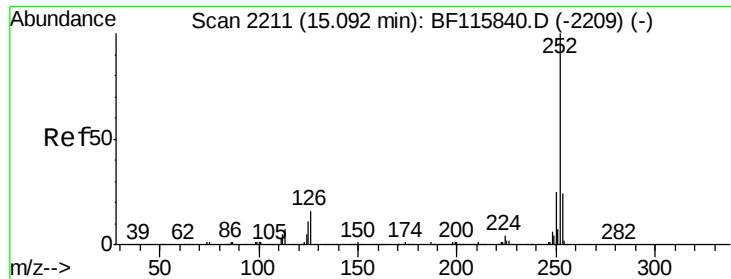
Acq: 2 Aug 2019 19:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.2	25.8
125	11.4	7.4	11.0#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





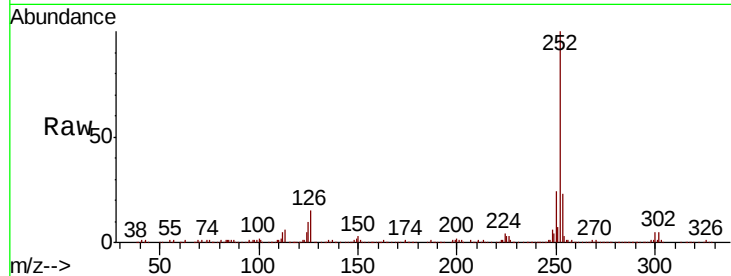
#89
Benzo(k)fluoranthene
Concen: 9.927 ng m
RT: 15.09 min Scan# 2211
Delta R.T. 0.00 min
Lab File: BF115955.D
Acq: 2 Aug 2019 19:11

Instrument :
BNA_F
ClientSampleId :
1S-H-(0-30)-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.2	27.4
125	10.4	8.9	13.3

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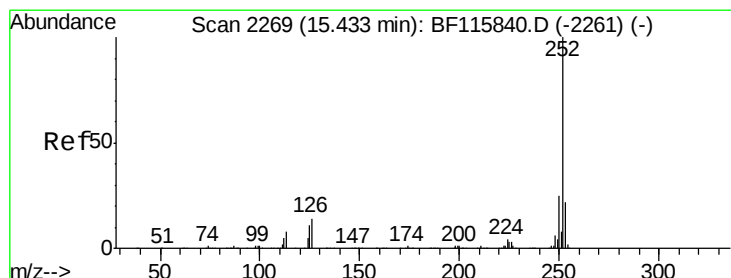
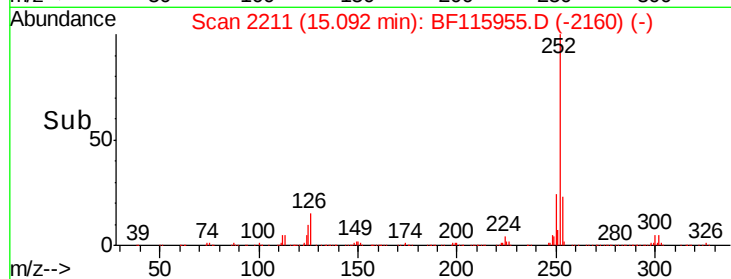
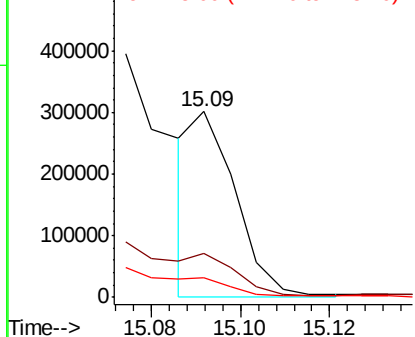


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 26.891 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.00 min
Lab File: BF115955.D
Acq: 2 Aug 2019 19:11

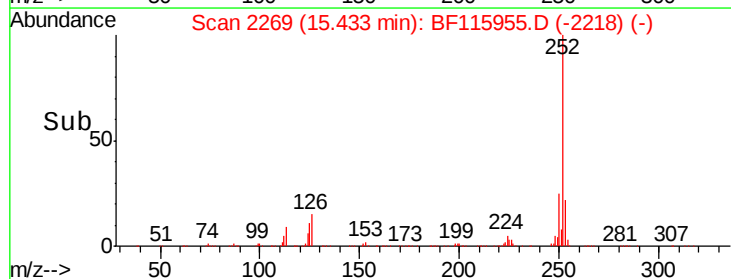
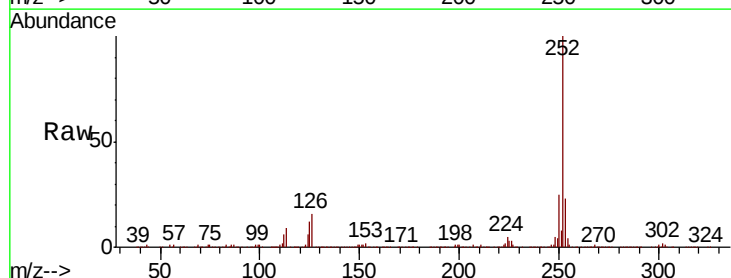
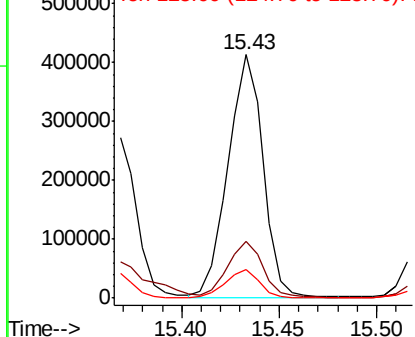
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.6
125	11.6	8.8	13.2

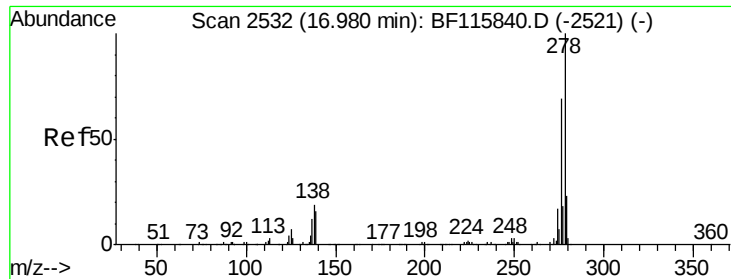
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





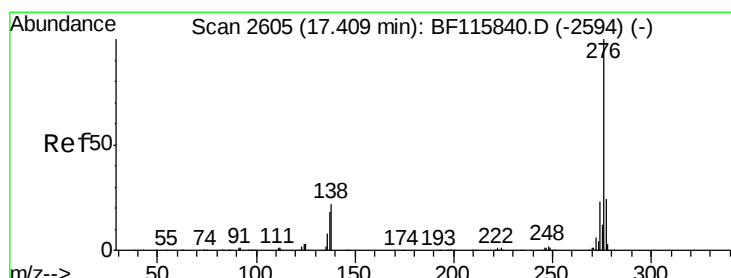
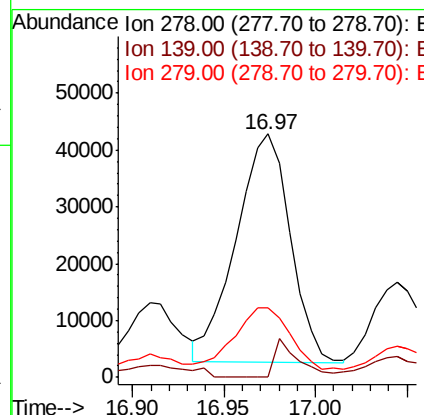
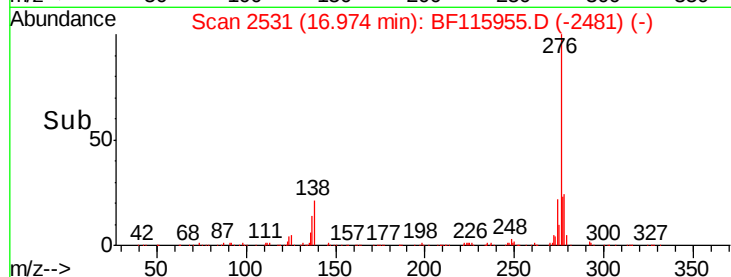
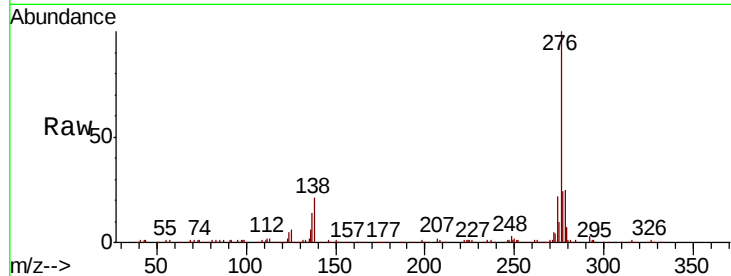
#91
Dibenzo(a,h)anthracene
Concen: 5.033 ng m
RT: 16.97 min Scan# 2531
Delta R.T. -0.01 min
Lab File: BF115955.D
Acq: 2 Aug 2019 19:11

Instrument :
BNA_F
ClientSampleId :
1S-H(0-30)-COMP

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.6	19.0#
279	28.8	18.8	28.2#

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#92
Benzo(g,h,i)perylene
Concen: 18.757 ng
RT: 17.42 min Scan# 2606
Delta R.T. 0.01 min
Lab File: BF115955.D
Acq: 2 Aug 2019 19:11

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.5	29.3
138	23.4	17.8	26.8

