

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080519\
 Data File : BF115994.D
 Acq On : 5 Aug 2019 21:48
 Operator : HP/JU
 Sample : K4136-06
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1S-C1-C4-COMP-(30)

Manual Integrations
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Quant Time: Aug 06 04:07:49 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	6.84	152	144127	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	546482	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	293461	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	517867	20.00	ng	-0.02
76) Chrysene-d12	14.01	240	327651	20.00	ng	-0.02
87) Perylene-d12	15.47	264	356780	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	1087730	126.34	ng	0.00
7) Phenol-d6	6.48	99	1454109	133.87	ng	0.00
23) Nitrobenzene-d5	7.40	82	947012	100.03	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	366627	128.86	ng	-0.02
45) 2-Fluorobiphenyl	9.20	172	1472029	93.96	ng	-0.02
79) Terphenyl-d14	12.95	244	1596694	102.69	ng	-0.02
Target Compounds						
50) Dimethylphthalate	9.59	163	128621	6.437	ng	99
71) Phenanthrene	11.39	178	549094	20.741	ng	100
72) Anthracene	11.44	178	167063	6.235	ng	100
75) Fluoranthene	12.58	202	1168771	42.169	ng	95
78) Pyrene	12.81	202	1017723	41.205	ng	97
81) Benzo(a)anthracene	14.00	228	540919	25.829	ng	98
83) Chrysene	14.03	228	447177	21.994	ng	97
86) Indeno(1,2,3-cd)pyrene	16.93	276	253549	14.848	ng	96
88) Benzo(b)fluoranthene	15.04	252	577406m	27.989	ng	
89) Benzo(k)fluoranthene	15.07	252	161030m	8.014	ng	
90) Benzo(a)pyrene	15.41	252	394558	21.396	ng	98
91) Dibenzo(a,h)anthracene	16.93	278	73567	4.609	ng	# 81
92) Benzo(a,h,i)perylene	17.37	276	252157	16.085	ng	98

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

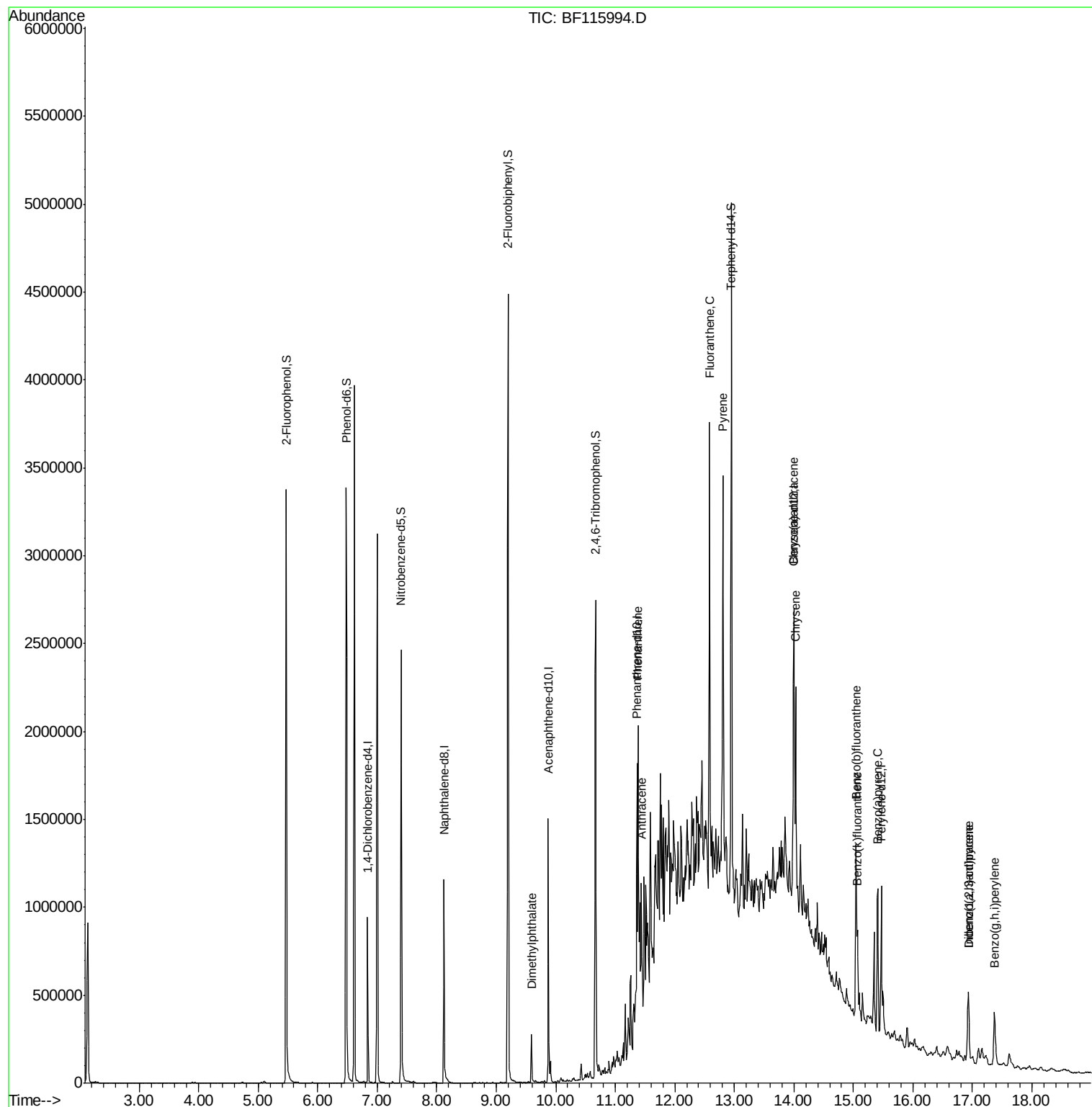
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080519\
Data File : BF115994.D
Acq On : 5 Aug 2019 21:48
Operator : HP/JU
Sample : K4136-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

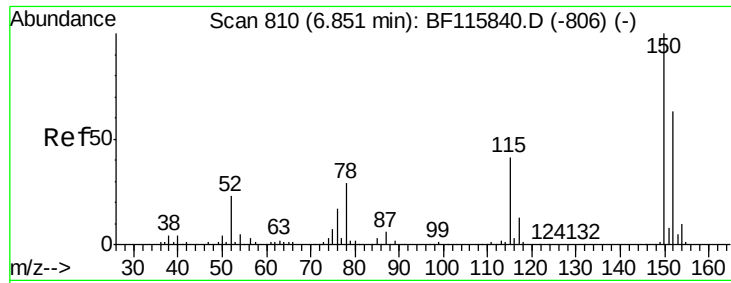
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
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#1

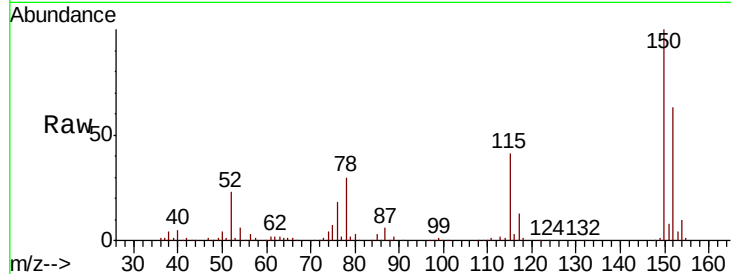
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF115994.D
Acq: 5 Aug 2019 21:48

Instrument :
BNA_F
ClientSampleId :
1S-C1-C4-COMP-(30)

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.6	127.4	191.0
115	64.3	51.8	77.8

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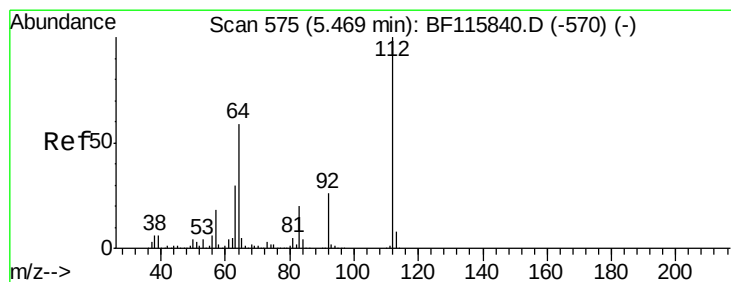
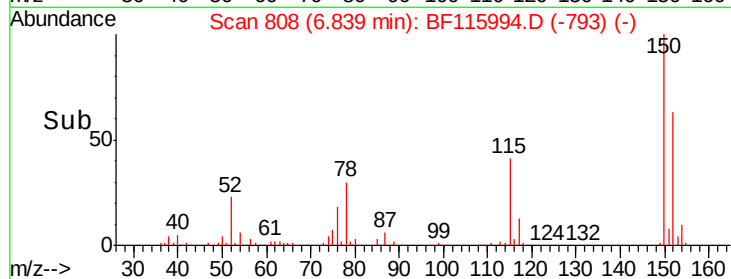
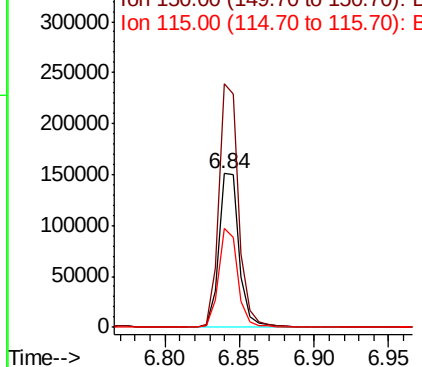


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

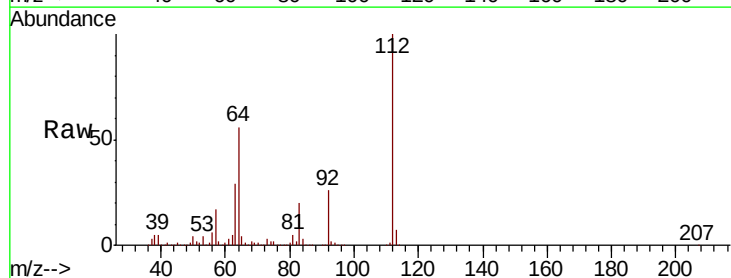
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 126.342 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF115994.D
Acq: 5 Aug 2019 21:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.8	46.8	70.2
63	28.9	24.2	36.2

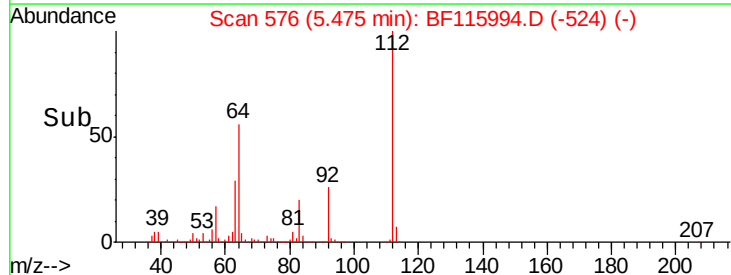
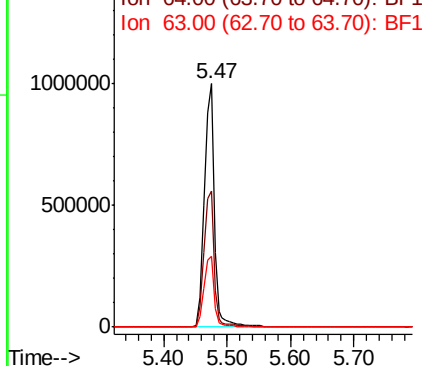


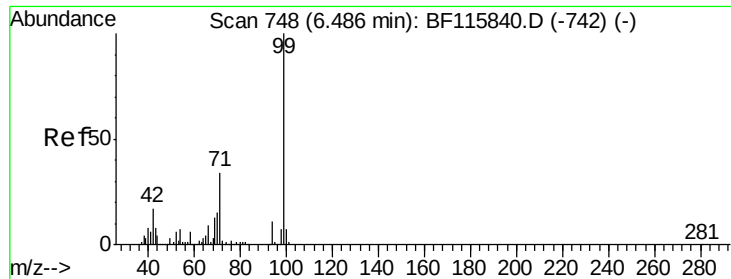
Abundance

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: 133.867 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF115994.D

Acq: 5 Aug 2019 21:48

Instrument :

BNA_F

ClientSampleId :

1S-C1-C4-COMP-(30)

Tot Ion: 99 Resp: 1454109

Ion Ratio Lower Upper

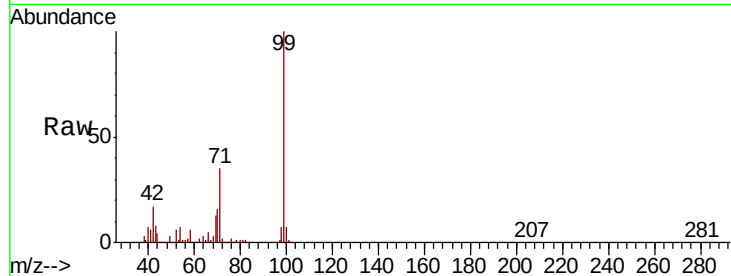
99 100

42 17.2 13.8 20.6

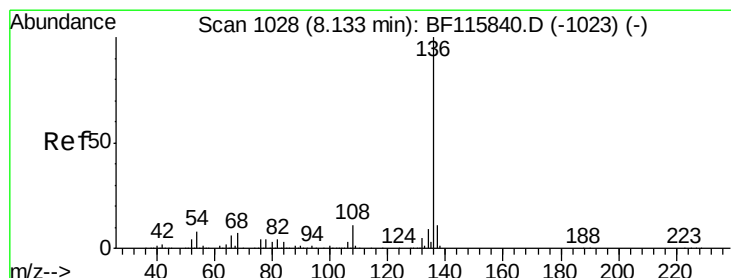
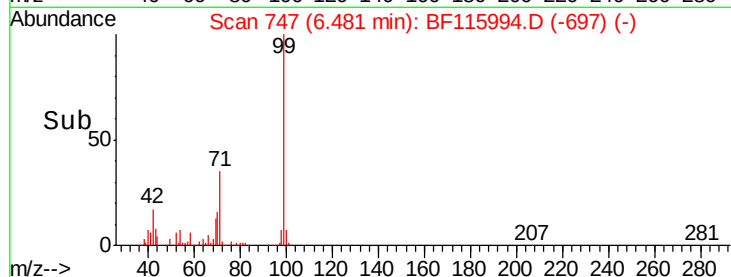
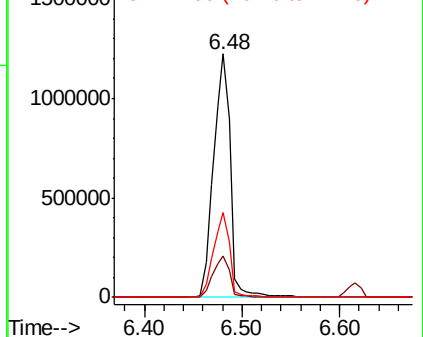
71 34.9 27.1 40.7

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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BF115994.D

Acq: 5 Aug 2019 21:48

Tgt Ion: 136 Resp: 546482

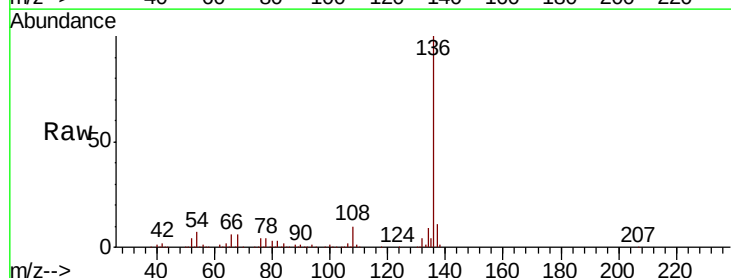
Ion Ratio Lower Upper

136 100

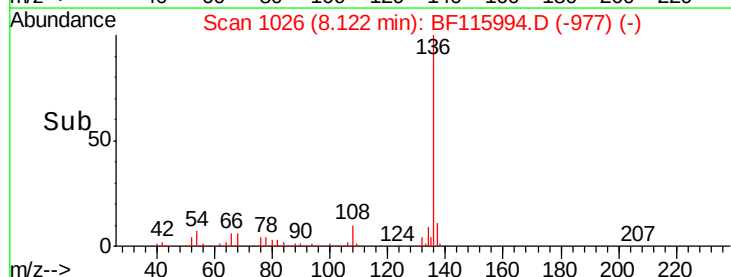
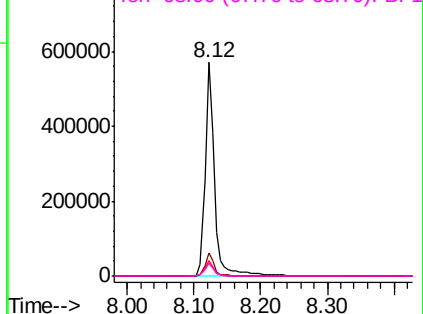
137 11.0 9.1 13.7

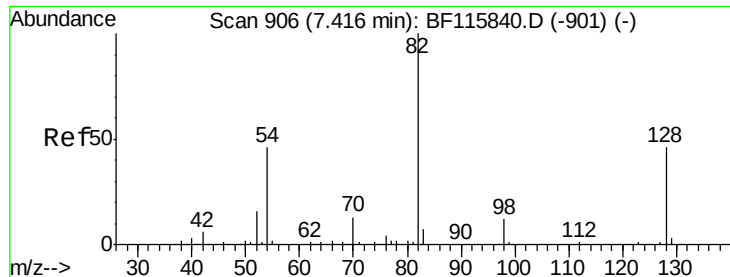
54 7.3 6.1 9.1

68 6.1 5.4 8.2



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





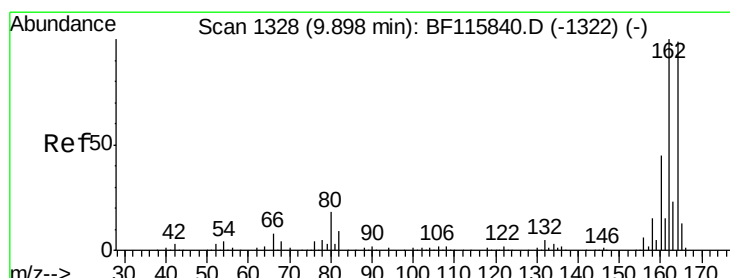
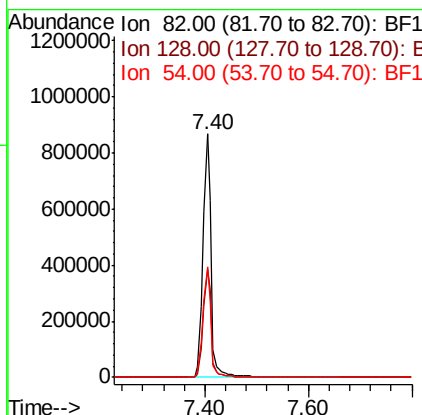
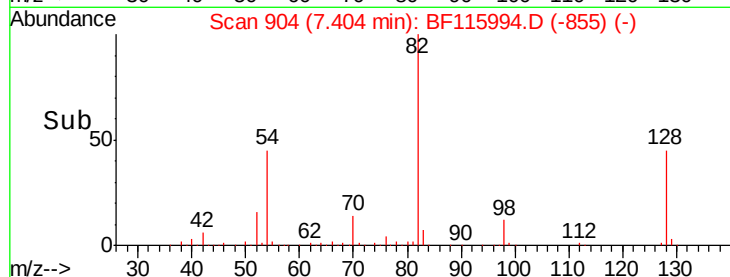
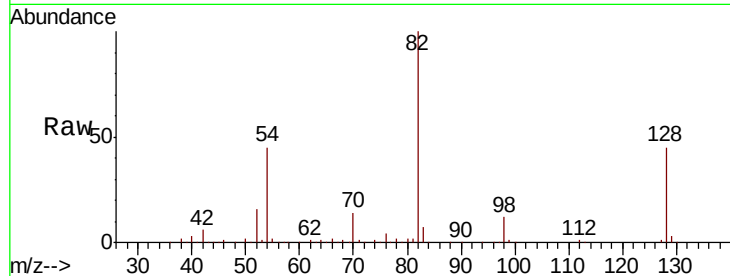
#23
 Nitrobenzene-d5
 Concen: 100.030 ng
 RT: 7.40 min Scan# 904
 Delta R.T. -0.01 min
 Lab File: BF115994.D
 Acq: 5 Aug 2019 21:48

Instrument :
 BNA_F
 ClientSampleId :
 1S-C1-C4-COMP-(30)

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.5	36.6	55.0
54	45.4	36.6	55.0

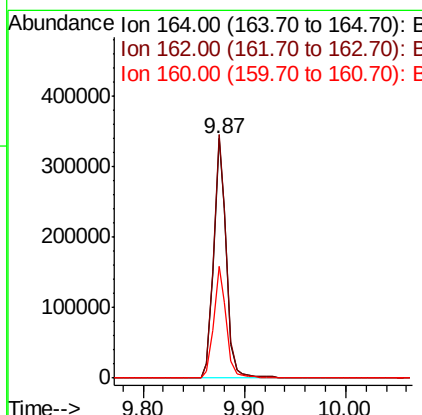
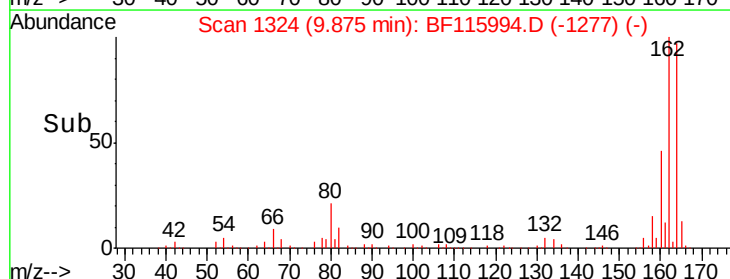
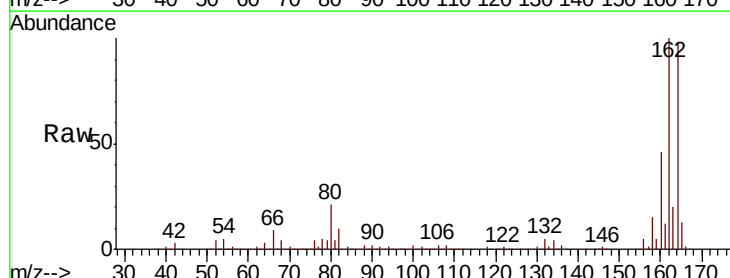
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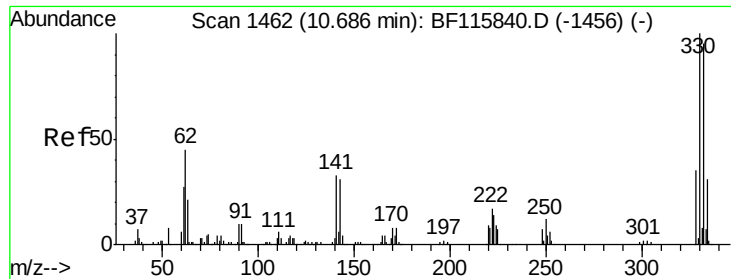
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. -0.02 min
 Lab File: BF115994.D
 Acq: 5 Aug 2019 21:48

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.7	80.8	121.2
160	46.5	36.2	54.4





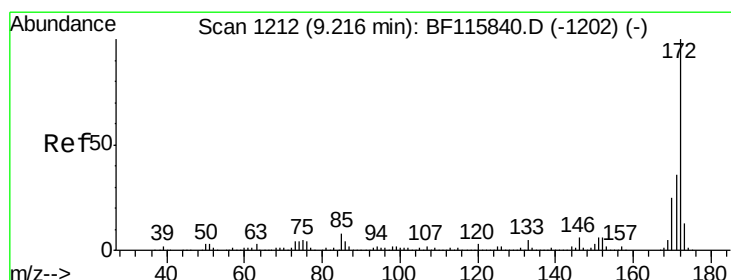
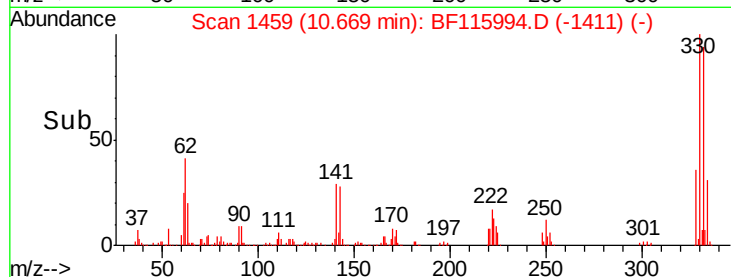
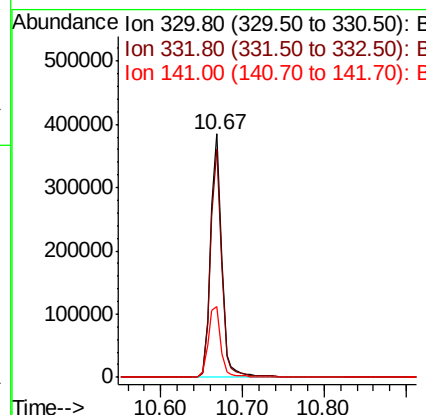
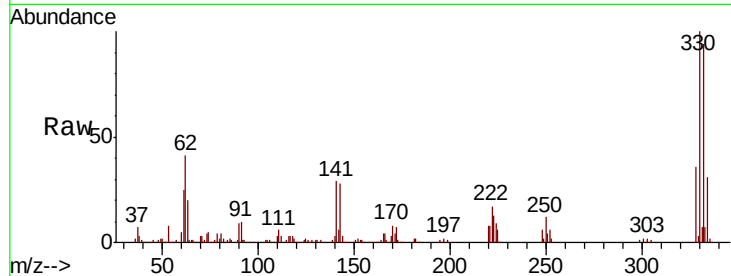
#42
 2,4,6-Tribromophenol
 Concen: 128.859 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.02 min
 Lab File: BF115994.D
 Acq: 5 Aug 2019 21:48

Instrument :
 BNA_F
 ClientSampleId :
 1S-C1-C4-COMP-(30)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	366627		
332	94.4	77.7	116.5	
141	33.3	28.1	42.1	

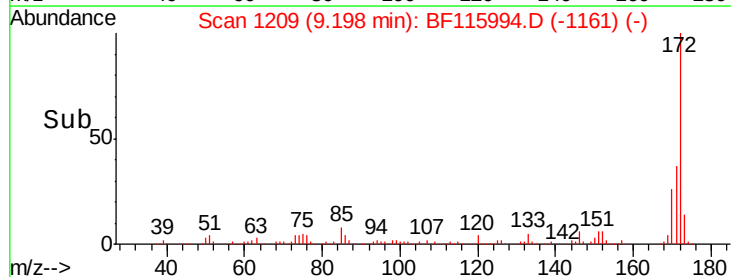
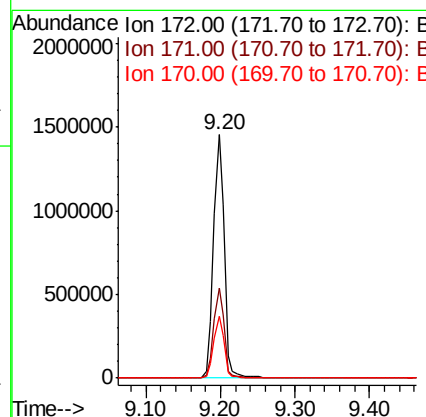
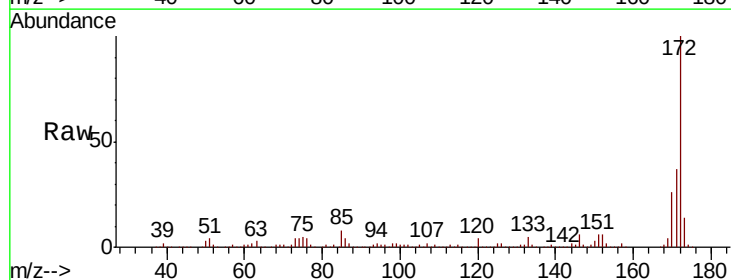
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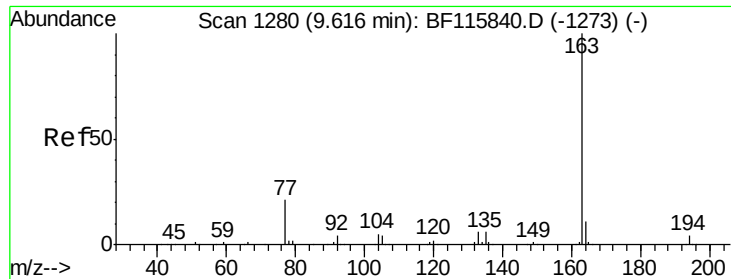
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#45
 2-Fluorobiphenyl
 Concen: 93.955 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.02 min
 Lab File: BF115994.D
 Acq: 5 Aug 2019 21:48

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1472029		
171	36.8	29.1	43.7	
170	25.6	20.1	30.1	





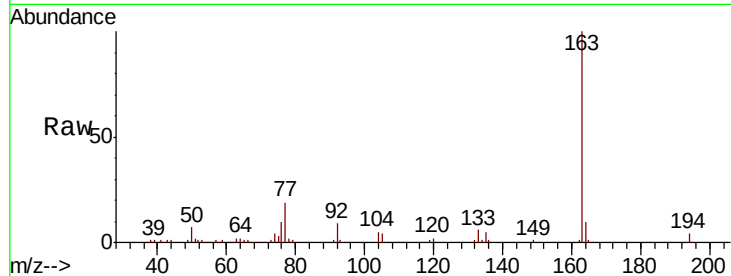
#50
Dimethylphthalate
Concen: 6.437 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF115994.D
Acq: 5 Aug 2019 21:48

Instrument :
BNA_F
ClientSampleId :
1S-C1-C4-COMP-(30)

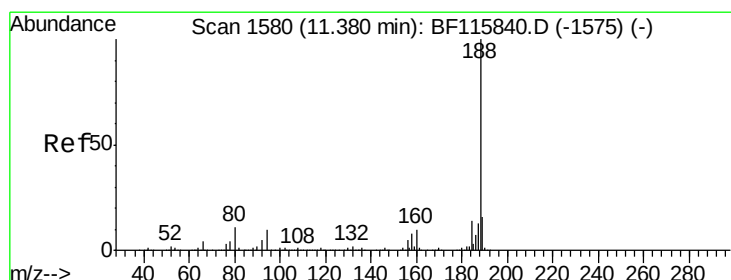
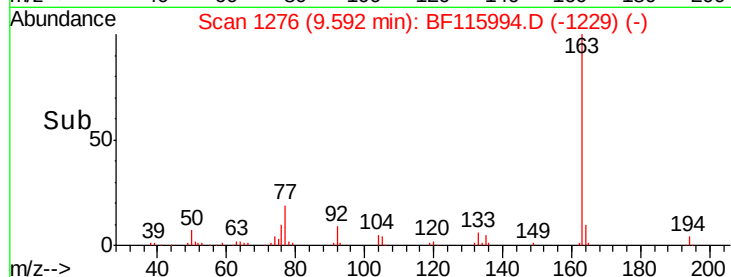
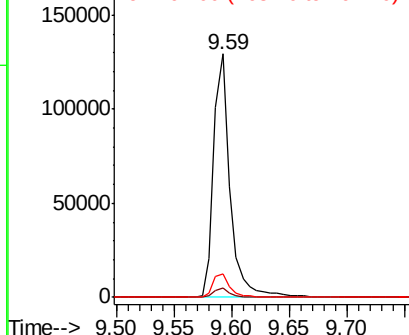
Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	4.1	3.0	4.6	
164	9.8	8.4	12.6	

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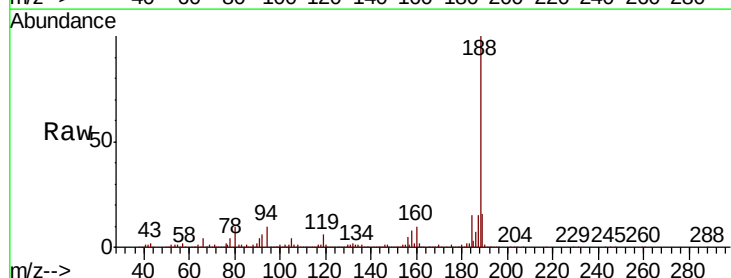


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

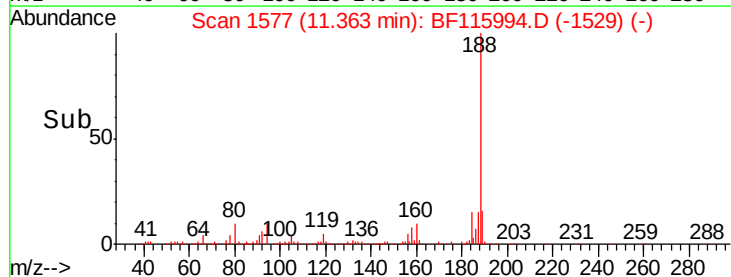
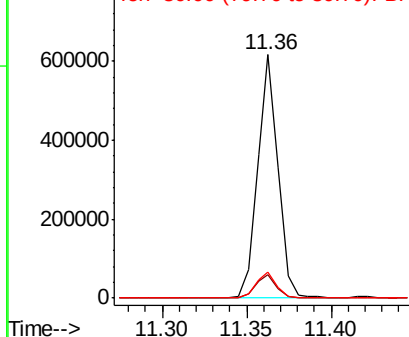


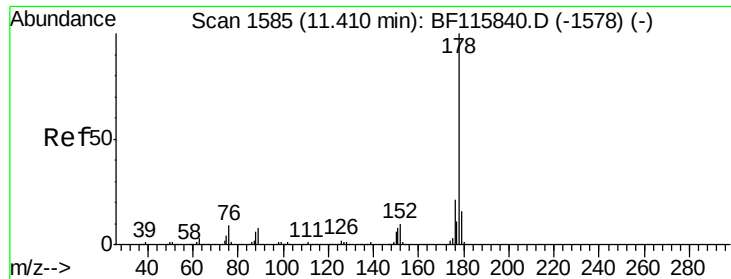
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.02 min
Lab File: BF115994.D
Acq: 5 Aug 2019 21:48

Tgt Ion	Ratio	Resp	Lower	Upper
188	100			
94	9.7	8.0	12.0	
80	10.4	8.6	12.8	



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





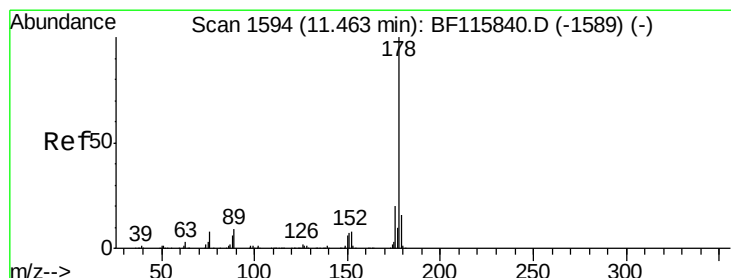
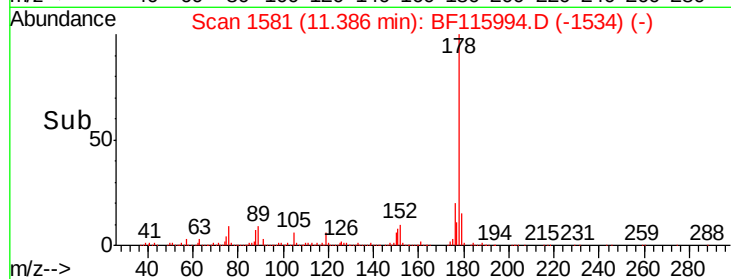
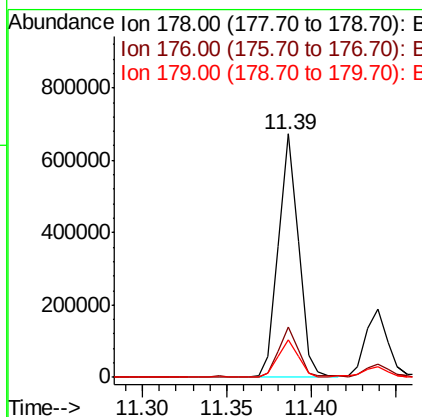
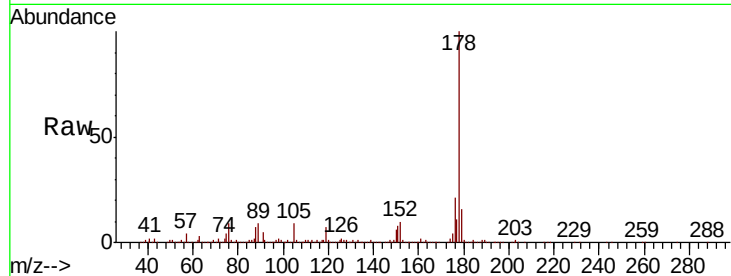
#71
Phenanthrene
Concen: 20.741 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.02 min
Lab File: BF115994.D
Acq: 5 Aug 2019 21:48

Instrument :
BNA_F
ClientSampleId :
1S-C1-C4-COMP-(30)

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.5	16.5	24.7
179	15.5	12.6	18.8

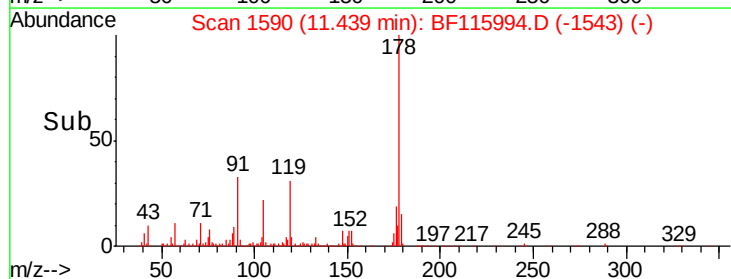
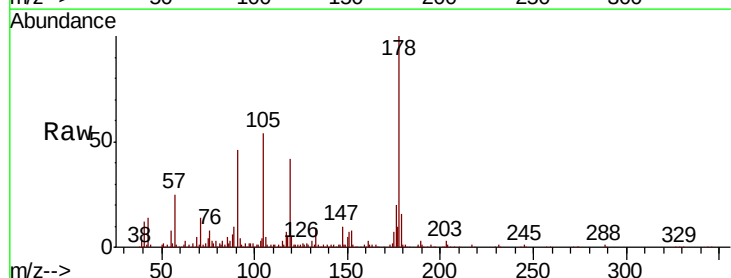
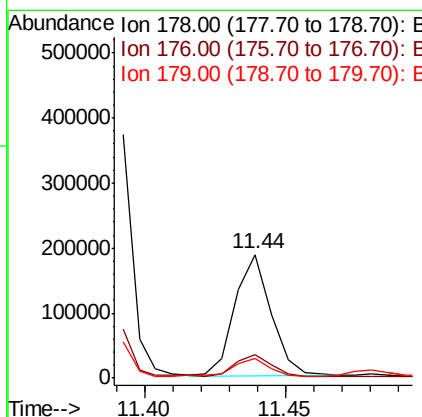
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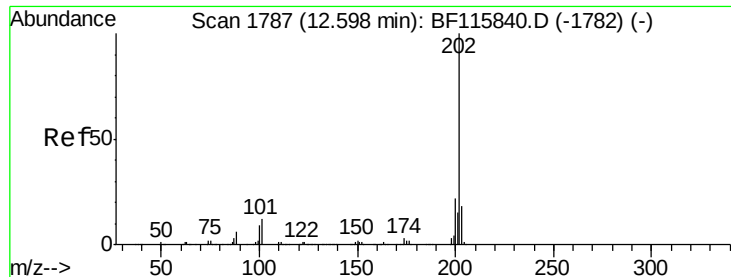
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#72
Anthracene
Concen: 6.235 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.02 min
Lab File: BF115994.D
Acq: 5 Aug 2019 21:48

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.7	23.5
179	15.5	12.4	18.6





#75

Fluoranthene

Concen: 42.169 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.02 min

Lab File: BF115994.D

Acq: 5 Aug 2019 21:48

Instrument :

BNA_F

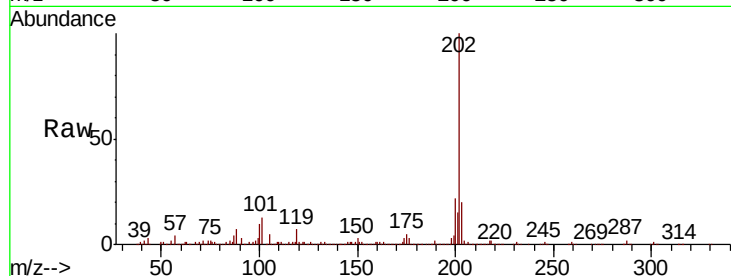
ClientSampleId :

1S-C1-C4-COMP-(30)

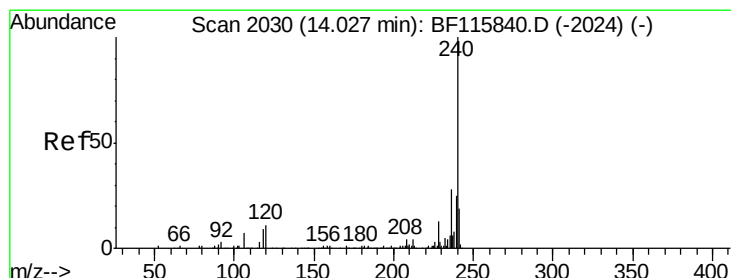
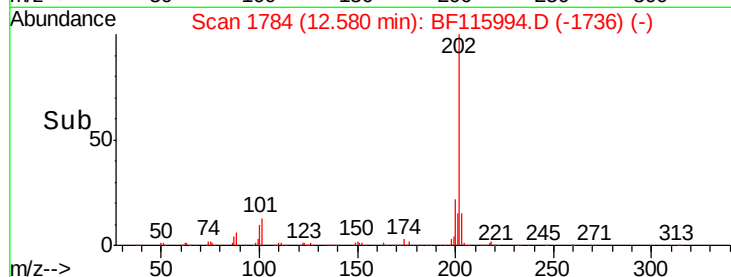
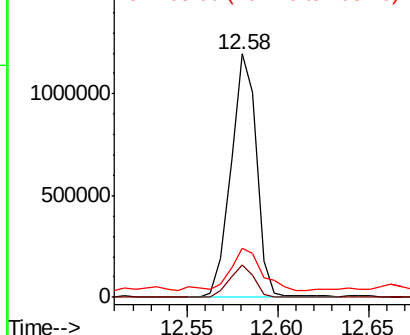
Tot Ion:	202	Resp:	1168771
Ion	Ratio	Lower	Upper
202	100		
101	13.2	0.0	31.5
203	20.1	0.0	37.9

Manual Integrations
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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

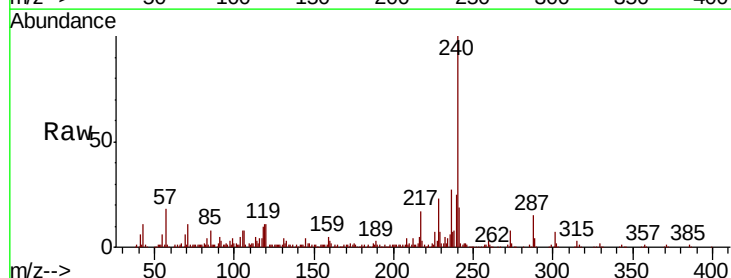
RT: 14.01 min Scan# 2027

Delta R.T. -0.02 min

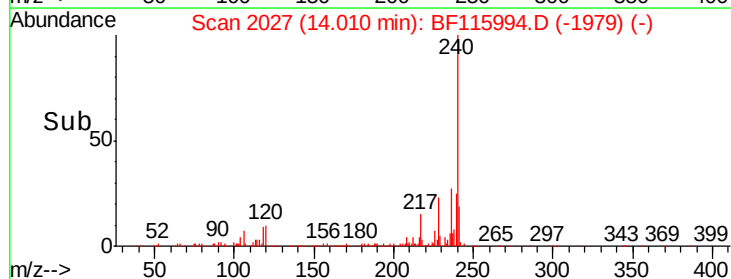
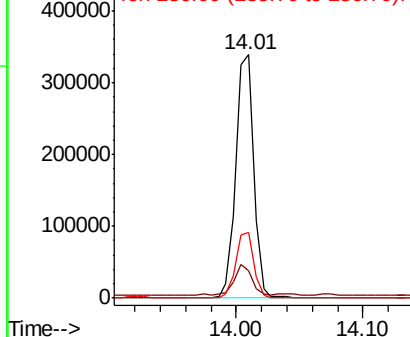
Lab File: BF115994.D

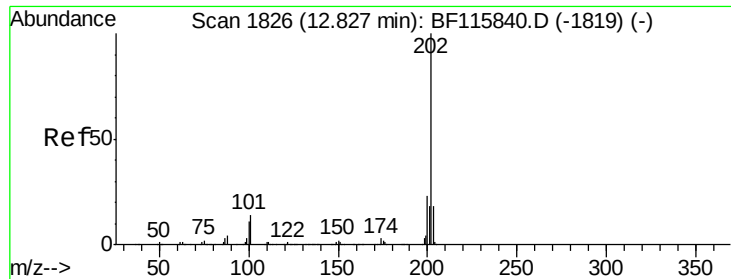
Acq: 5 Aug 2019 21:48

Tgt Ion:	240	Resp:	327651
Ion	Ratio	Lower	Upper
240	100		
120	11.4	8.5	12.7
236	27.0	22.2	33.2



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





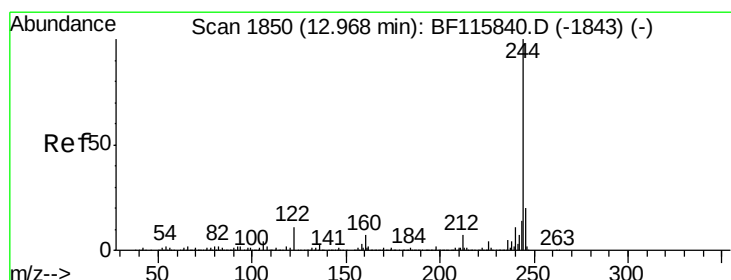
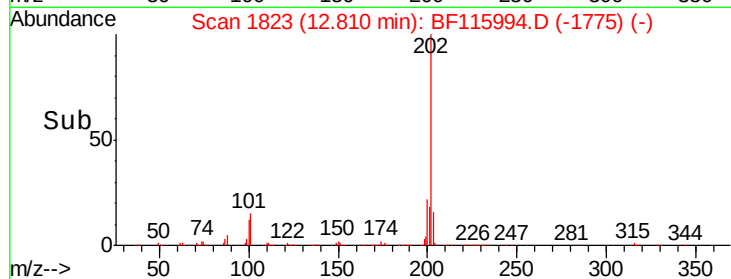
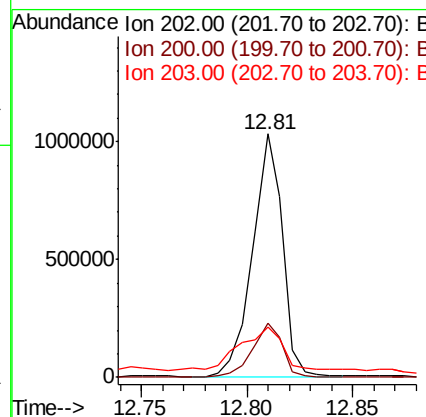
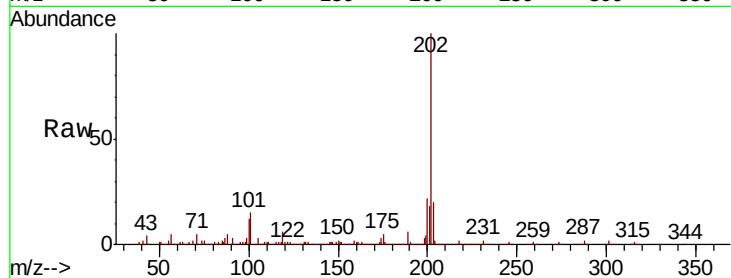
#78
Pvrene
Concen: 41.205 ng
RT: 12.81 min Scan# 1823
Delta R.T. -0.02 min
Lab File: BF115994.D
Acq: 5 Aug 2019 21:48

Instrument :
BNA_F
ClientSampleId :
1S-C1-C4-COMP-(30)

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.2	18.2	27.2
203	20.4	14.3	21.5

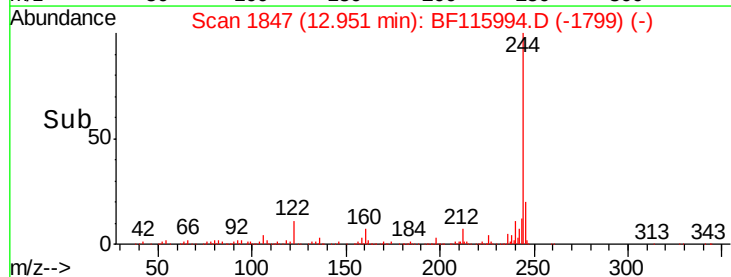
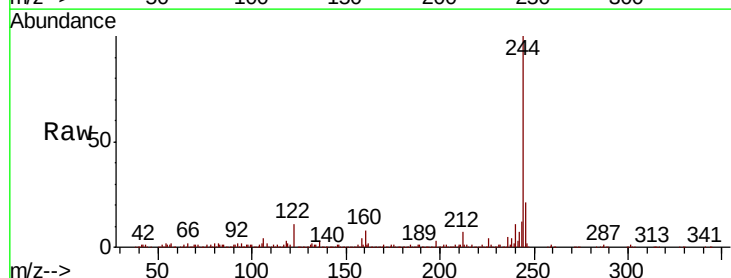
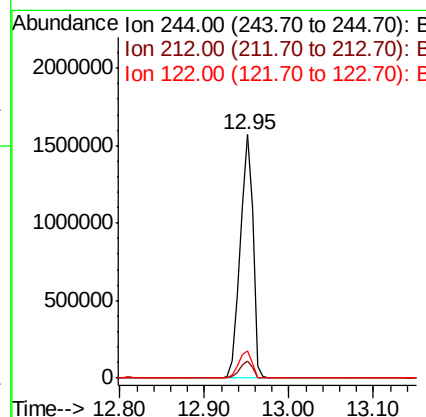
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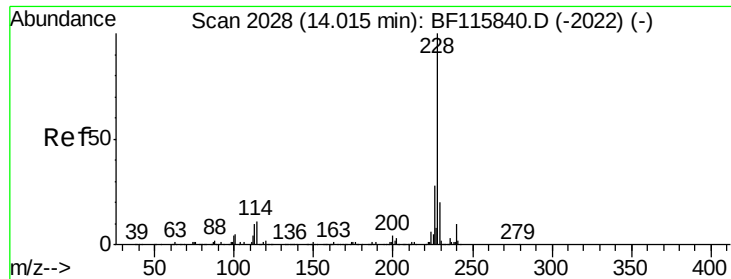
mohammad
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#79
Terphenyl-d14
Concen: 102.685 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.02 min
Lab File: BF115994.D
Acq: 5 Aug 2019 21:48

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.6	8.4
122	11.2	8.6	13.0





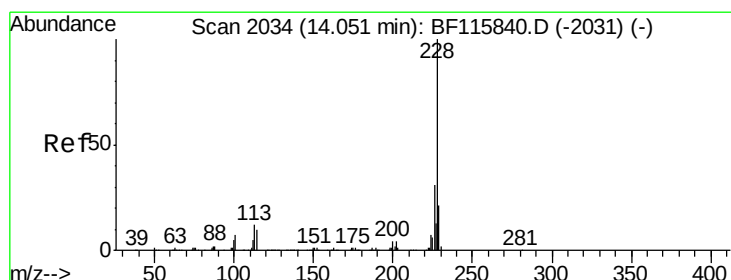
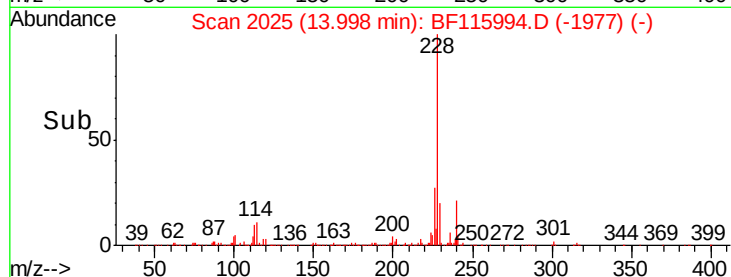
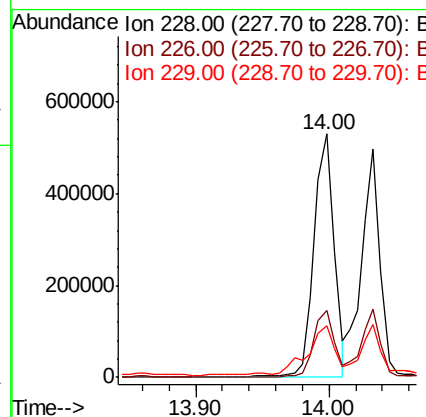
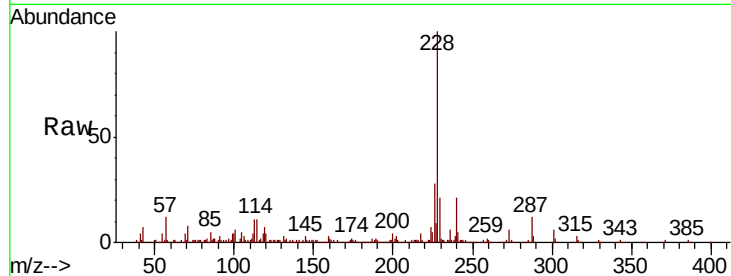
#81
Benzo(a)anthracene
Concen: 25.829 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.02 min
Lab File: BF115994.D
Acq: 5 Aug 2019 21:48

Instrument :
BNA_F
ClientSampleId :
1S-C1-C4-COMP-(30)

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.5	33.7
229	21.4	16.1	24.1

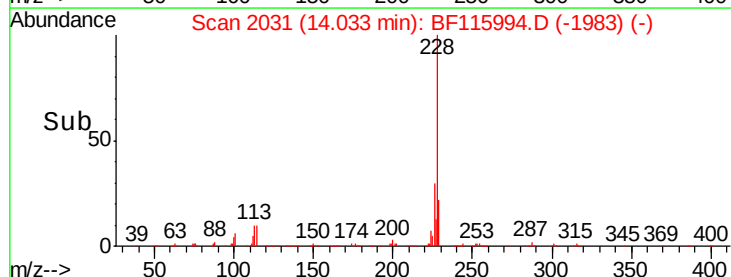
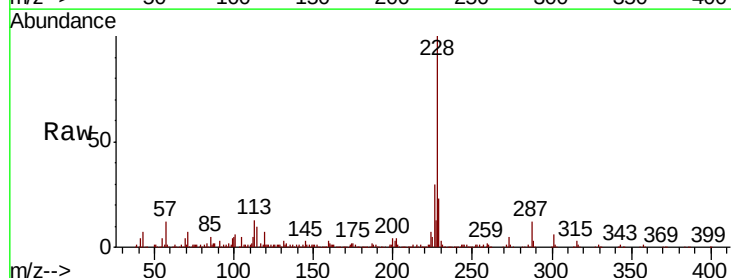
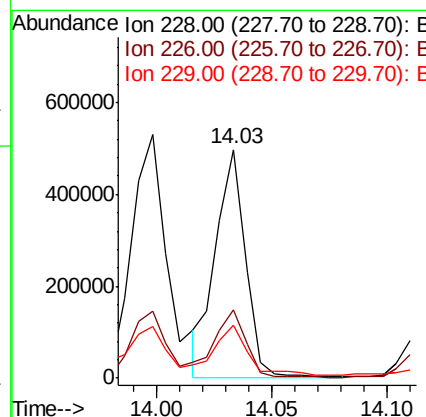
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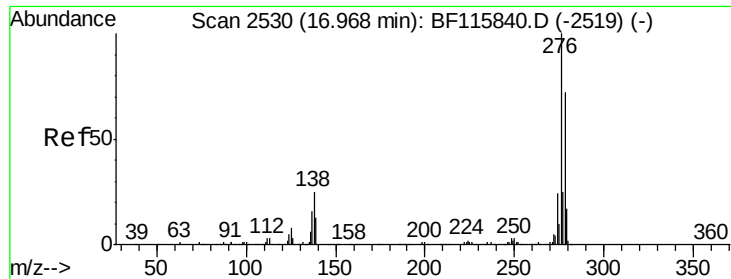
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#83
Chrysene
Concen: 21.994 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.02 min
Lab File: BF115994.D
Acq: 5 Aug 2019 21:48

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.8	37.2
229	23.2	16.4	24.6





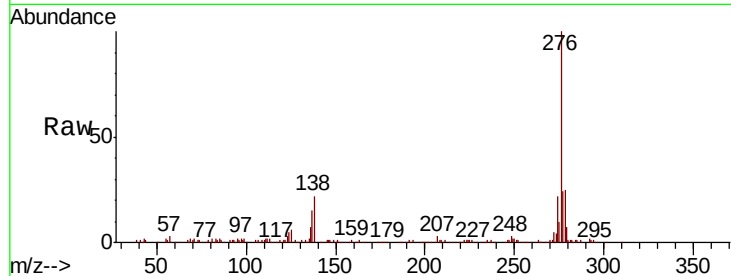
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 14.848 ng
 RT: 16.93 min Scan# 2524
 Delta R.T. -0.04 min
 Lab File: BF115994.D
 Acq: 5 Aug 2019 21:48

Instrument :
 BNA_F
 ClientSampleId :
 1S-C1-C4-COMP-(30)

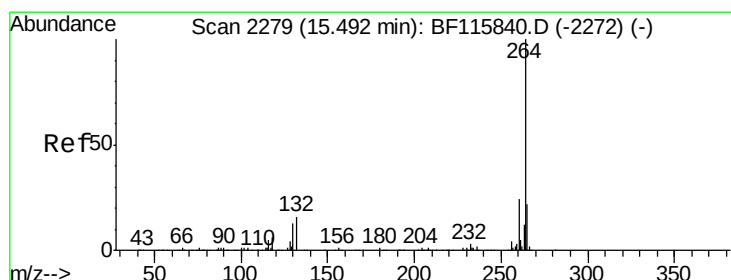
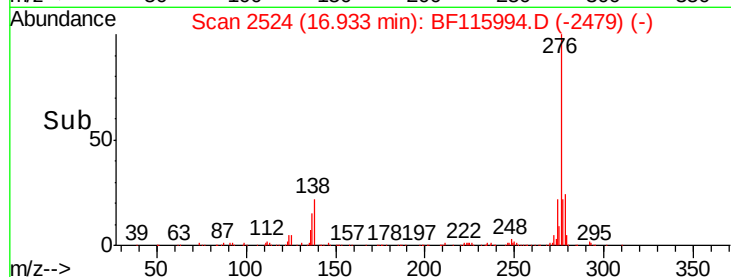
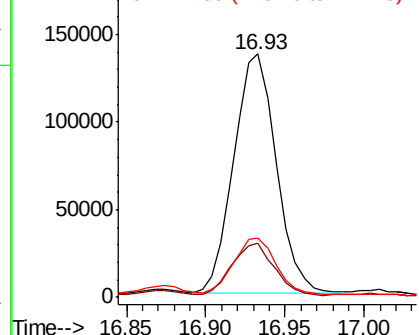
Tot Ion:276	Resp:	253549
Ion Ratio	Lower	Upper
276 100		
138 21.8	19.6	29.4
277 23.9	20.1	30.1

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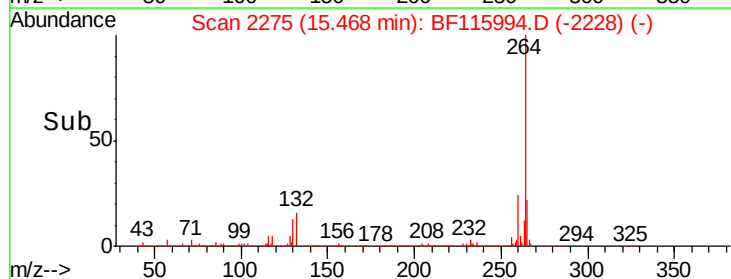
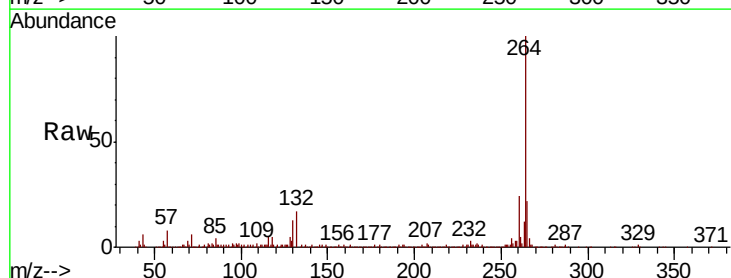
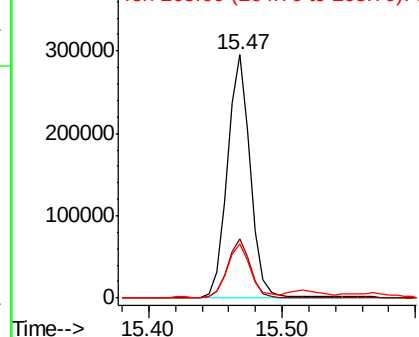
Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

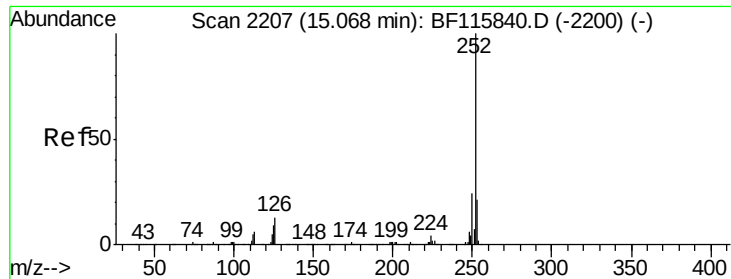


#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2275
 Delta R.T. -0.02 min
 Lab File: BF115994.D
 Acq: 5 Aug 2019 21:48

Tgt Ion:264	Resp:	356780
Ion Ratio	Lower	Upper
264 100		
260 24.4	19.4	29.2
265 22.0	17.5	26.3

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: 27.989 ng m

RT: 15.04 min Scan# 2203

Delta R.T. -0.02 min

Lab File: BF115994.D

Acq: 5 Aug 2019 21:48

Instrument :

BNA_F

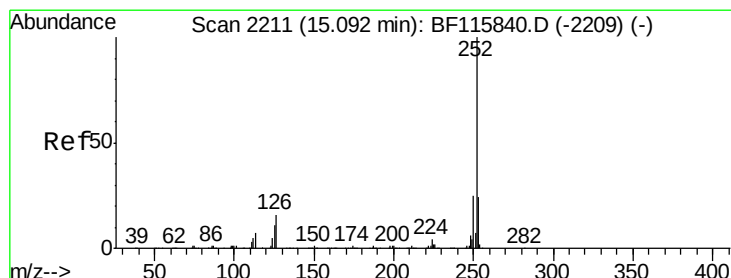
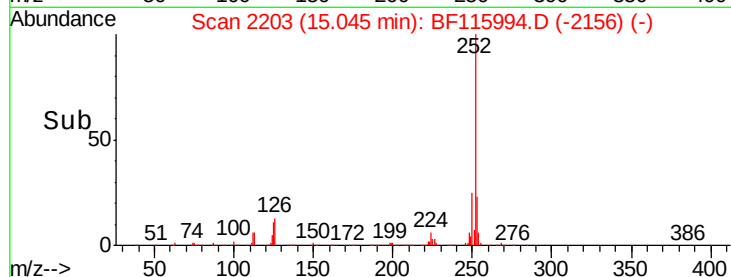
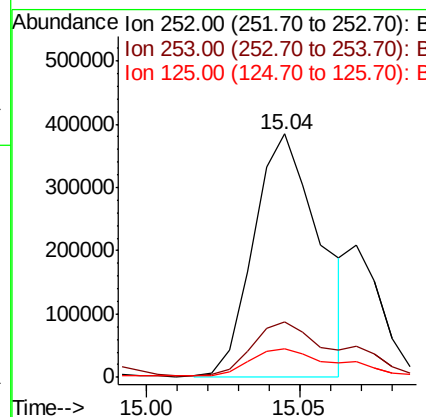
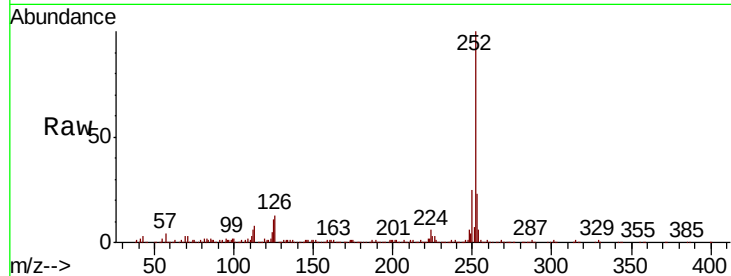
ClientSampleId :

1S-C1-C4-COMP-(30)

Tot Ion:	252	Resp:	577406
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.2	25.8
125	11.5	7.4	11.0

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#89

Benzo(k)fluoranthene

Concen: 8.014 ng m

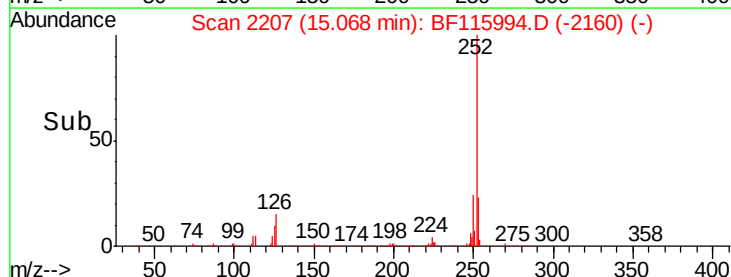
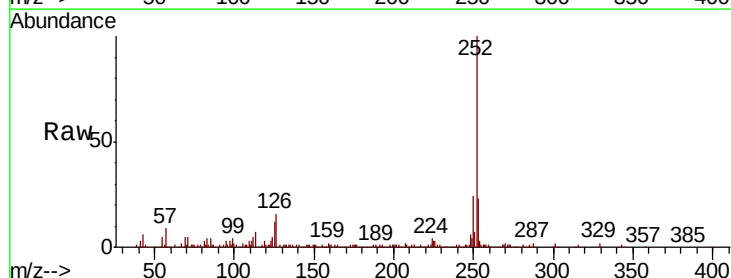
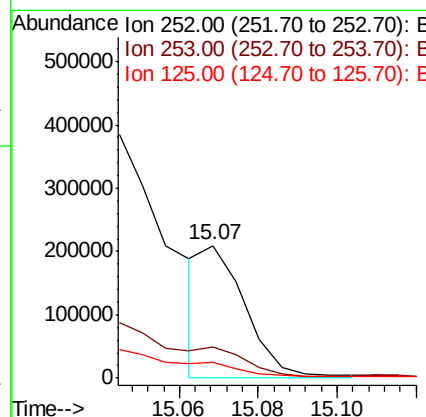
RT: 15.07 min Scan# 2207

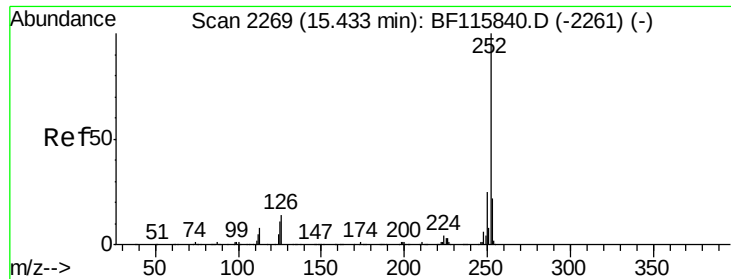
Delta R.T. -0.02 min

Lab File: BF115994.D

Acq: 5 Aug 2019 21:48

Tgt Ion:	252	Resp:	161030
Ion Ratio	Lower	Upper	
252	100		
253	23.3	18.2	27.4
125	11.7	8.9	13.3





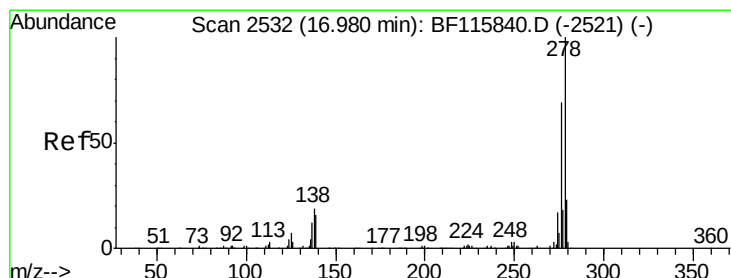
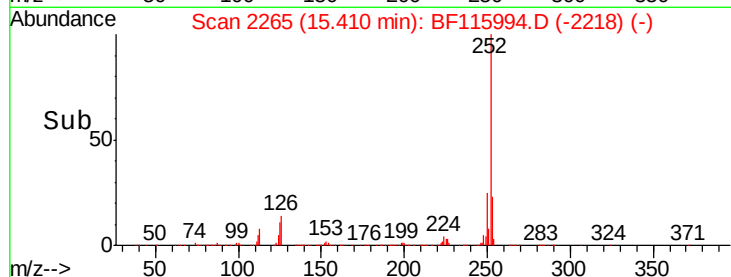
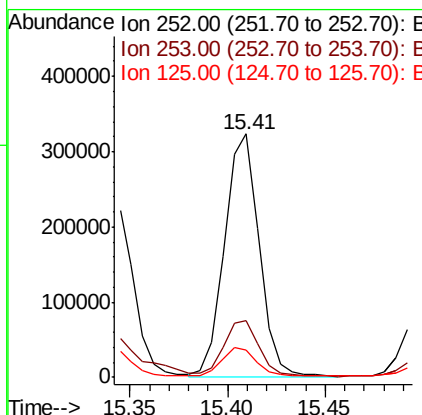
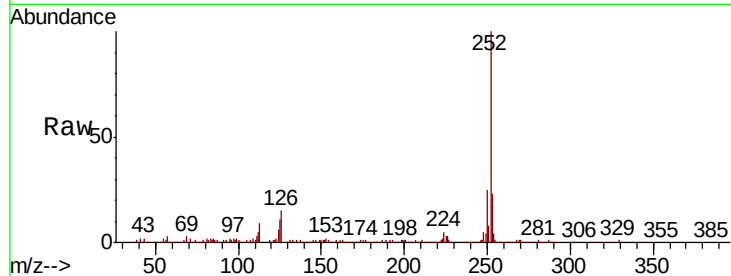
#90
Benzo(a)pyrene
Concen: 21.396 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.02 min
Lab File: BF115994.D
Acq: 5 Aug 2019 21:48

Instrument :
BNA_F
ClientSampleId :
1S-C1-C4-COMP-(30)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.8	26.6
125	11.4	8.8	13.2

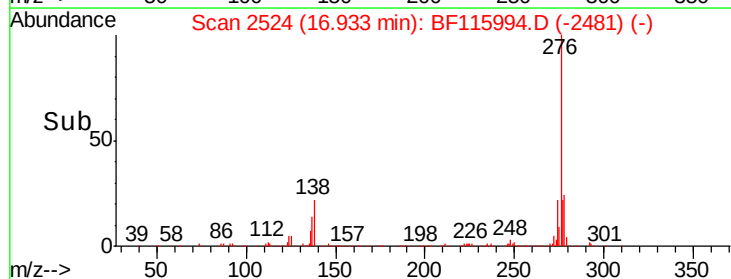
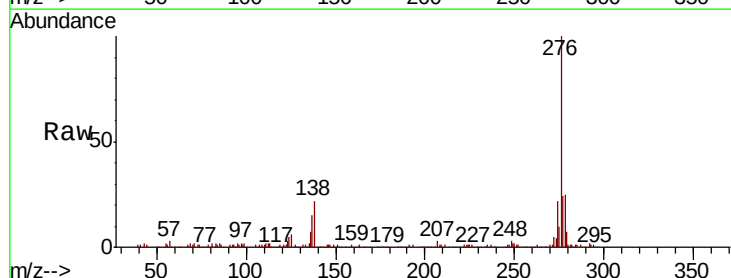
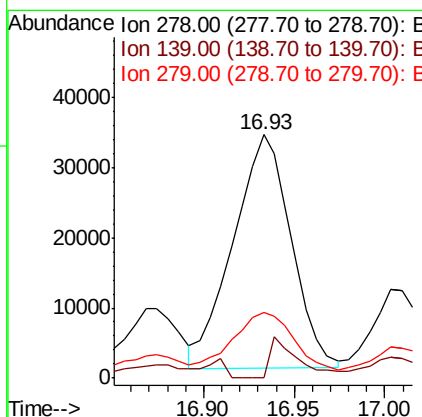
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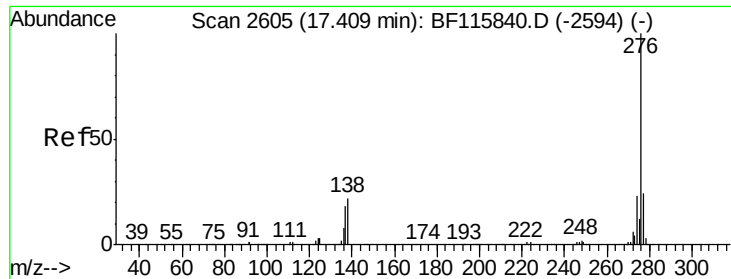
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#91
Dibenzo(a,h)anthracene
Concen: 4.609 ng
RT: 16.93 min Scan# 2524
Delta R.T. -0.05 min
Lab File: BF115994.D
Acq: 5 Aug 2019 21:48

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.6	19.0#
279	27.1	18.8	28.2





#92
 Benzo(a,h,i)perylene
 Concen: 16.085 ng
 RT: 17.37 min Scan# 2598
 Delta R.T. -0.04 min
 Lab File: BF115994.D
 Acq: 5 Aug 2019 21:48

Instrument :
 BNA_F
 ClientSampleId :
 1S-C1-C4-COMP-(30)

Tot Ion:	276	Resp:	252157
Ion Ratio	Lower	Upper	
276	100		
277	22.8	19.5	29.3
138	22.2	17.8	26.8

Manual Integrations
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