

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062819\
 Data File : BF115302.D
 Acq On : 29 Jun 2019 00:35
 Operator : HP/JU
 Sample : K3528-08
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-09-COMP

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Quant Time: Jun 29 06:53:16 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 28 05:26:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	273250	20.00	ng	0.00
21) Naphthalene-d8	7.88	136	1057104	20.00	ng	0.00
39) Acenaphthene-d10	9.62	164	519875	20.00	ng	0.00
64) Phenanthrene-d10	11.10	188	990410	20.00	ng	0.00
76) Chrysene-d12	13.71	240	715361	20.00	ng	0.00
87) Perylene-d12	15.07	264	717360	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	1239717	70.01	ng	0.00
7) Phenol-d6	6.24	99	1581394	73.58	ng	0.00
23) Nitrobenzene-d5	7.16	82	936243	54.48	ng	0.00
42) 2,4,6-Tribromophenol	10.41	330	443981	80.98	ng	0.00
45) 2-Fluorobiphenyl	8.95	172	1729279	56.50	ng	0.00
79) Terphenyl-d14	12.68	244	1852629	55.06	ng	0.00
Target Compounds						
32) Benzoic acid	7.60	122	40055	3.666	ng	Qvalue 100
50) Dimethylphthalate	9.35	163	291753	7.628	ng	98
71) Phenanthrene	11.11	178	183024	3.432	ng	96
75) Fluoranthene	12.30	202	534069	10.038	ng	96
78) Pyrene	12.52	202	469840	8.546	ng	98
81) Benzo(a)anthracene	13.70	228	253400	4.937	ng	96
83) Chrysene	13.74	228	254724	5.417	ng	98
84) Bis(2-ethylhexyl)phthalate	13.72	149	122053	3.839	ng	99
86) Indeno(1,2,3-cd)pyrene	16.32	276	142881	2.568	ng	94
88) Benzo(b)fluoranthene	14.70	252	414306m	9.256	ng	
89) Benzo(k)fluoranthene	14.72	252	90020m	2.243	ng	
90) Benzo(a)pyrene	15.02	252	227891m	5.649	ng	
92) Benzo(a,h,i)perylene	16.70	276	126557	3.320	ng	99

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

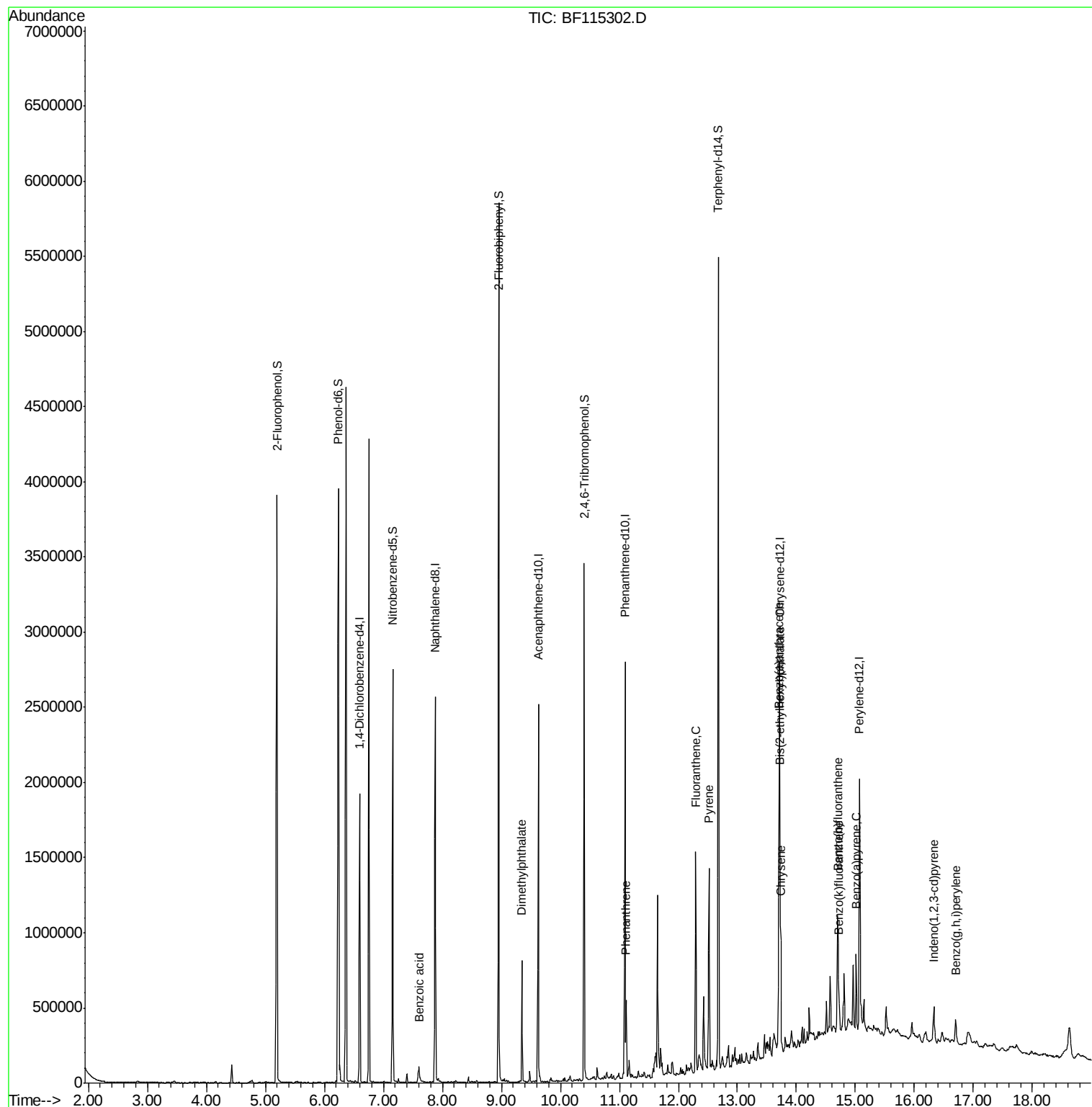
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062819\
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ALS Vial : 21 Sample Multiplier: 1

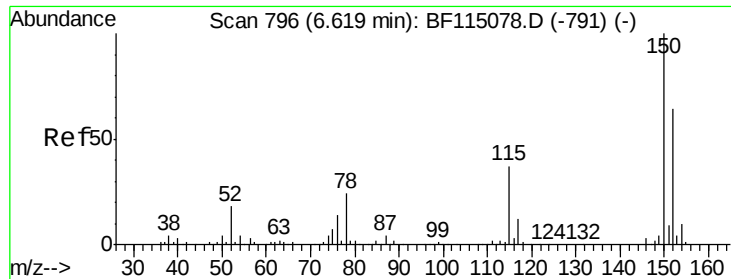
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M
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#1

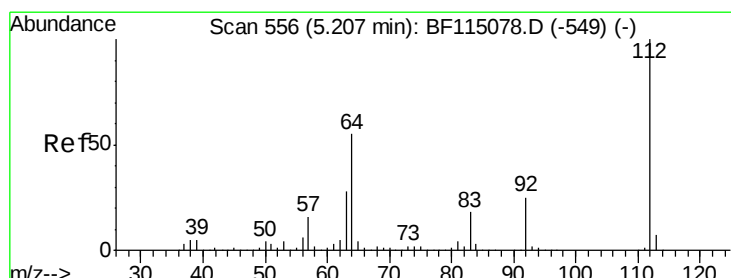
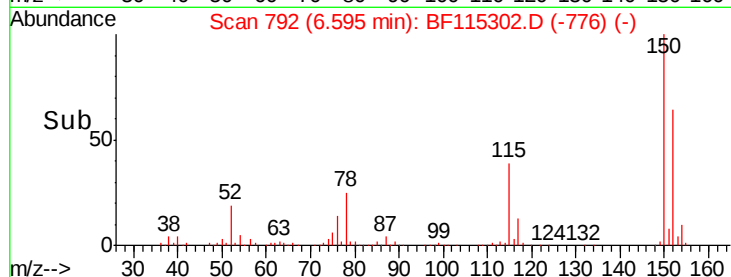
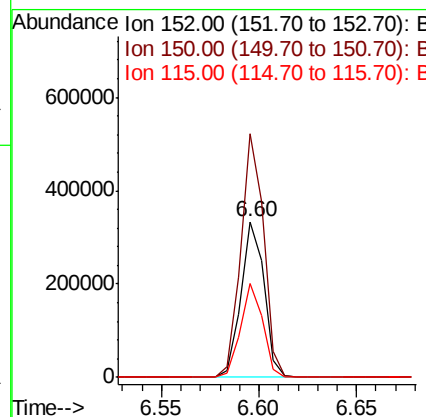
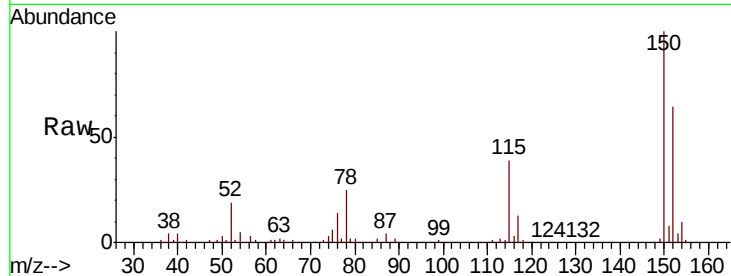
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.60 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF115302.D
Acq: 29 Jun 2019 00:35

Instrument :
BNA_F
ClientSampleId :
SB-09-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	124.2	186.2
115	60.3	46.1	69.1

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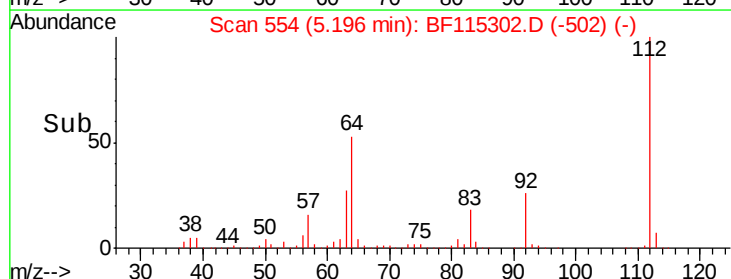
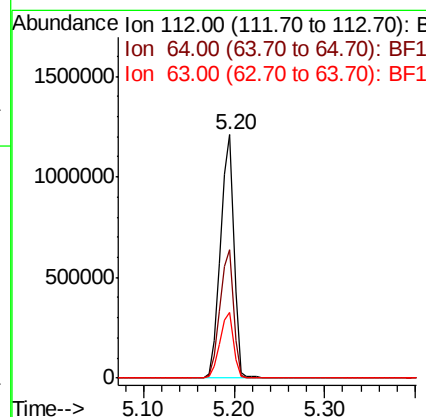
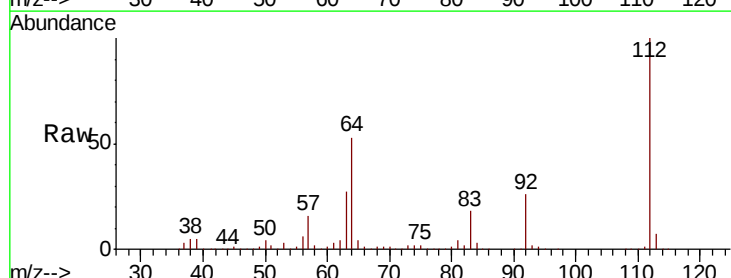
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#5

2-Fluorophenol
Concen: 70.013 ng
RT: 5.20 min Scan# 554
Delta R.T. 0.01 min
Lab File: BF115302.D
Acq: 29 Jun 2019 00:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.0	43.8	65.6
63	27.2	22.2	33.4





#7

Phenol-d6

Concen: 73.580 ng

RT: 6.24 min Scan# 731

Delta R.T. 0.00 min

Lab File: BF115302.D

Acq: 29 Jun 2019 00:35

Instrument :

BNA_F

ClientSampleId :

SB-09-COMP

Tot Ion: 99 Resp: 1581394

Ion Ratio Lower Upper

99 100

42 16.8 13.6 20.4

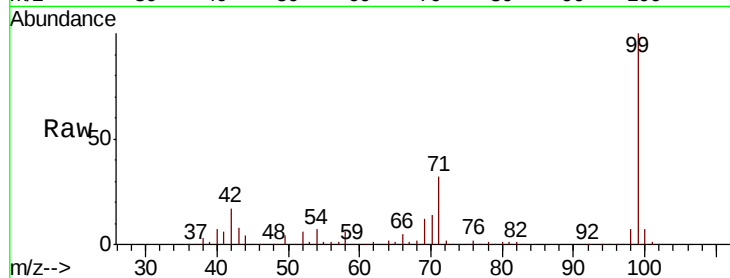
71 32.4 25.5 38.3

Manual Integrations

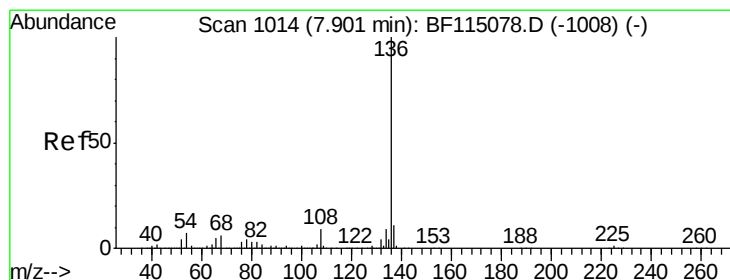
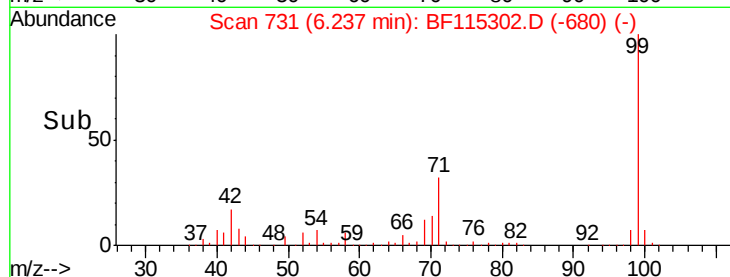
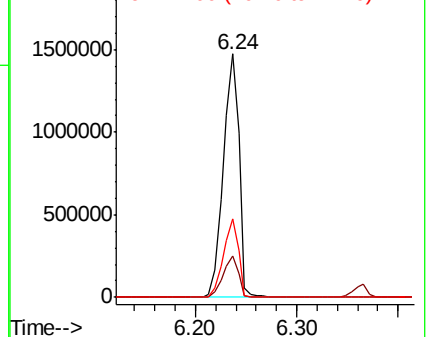
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Abundance Ion 99.00 (98.70 to 99.70): BF1
2000000 Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.88 min Scan# 1010

Delta R.T. -0.01 min

Lab File: BF115302.D

Acq: 29 Jun 2019 00:35

Tgt Ion:136 Resp: 1057104

Ion Ratio Lower Upper

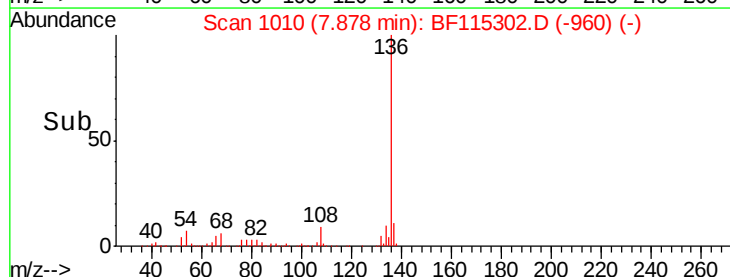
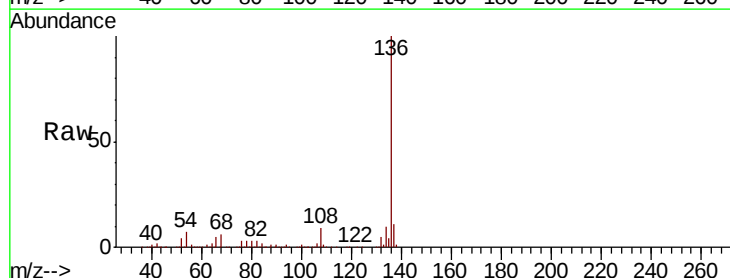
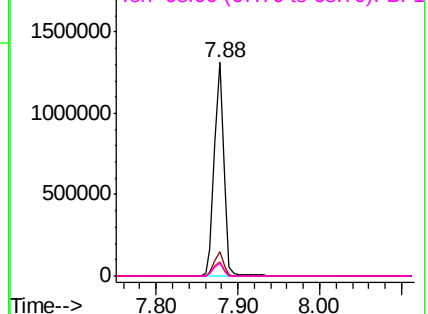
136 100

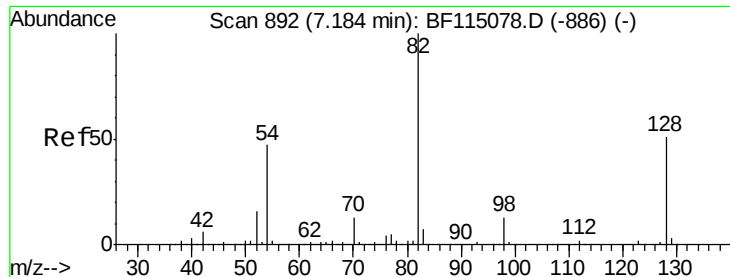
137 11.4 8.9 13.3

54 6.9 5.6 8.4

68 5.8 4.8 7.2

Abundance Ion 136.00 (135.70 to 136.70): E
2000000 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





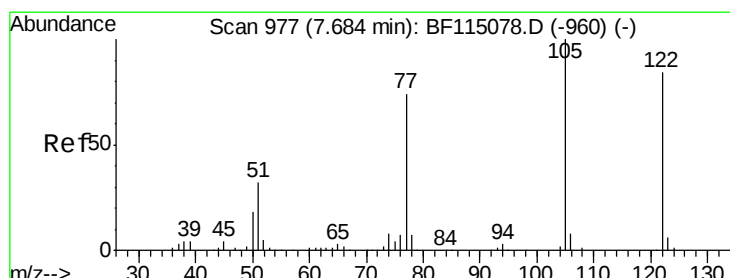
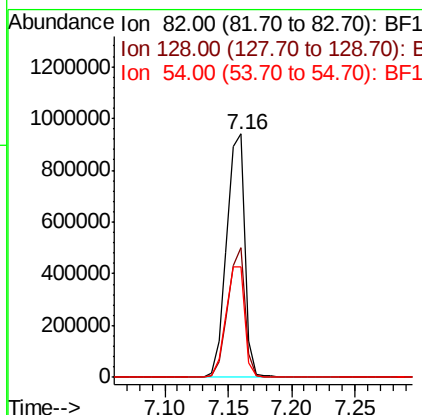
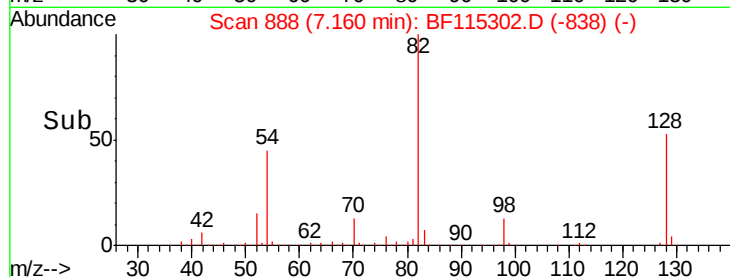
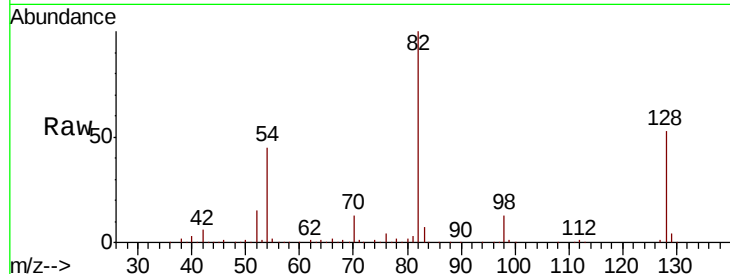
#23
 Nitrobenzene-d5
 Concen: 54.482 ng
 RT: 7.16 min Scan# 888
 Delta R.T. -0.01 min
 Lab File: BF115302.D
 Acq: 29 Jun 2019 00:35

Instrument :
 BNA_F
 ClientSampleId :
 SB-09-COMP

Tot Ion	Ratio	Lower	Upper
82	100		
128	53.4	40.4	60.6
54	45.4	37.5	56.3

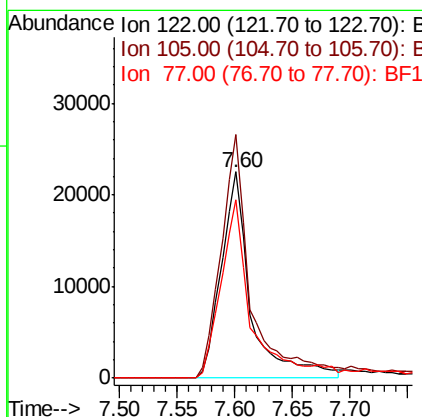
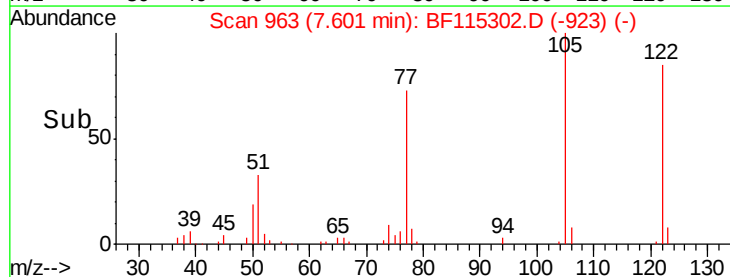
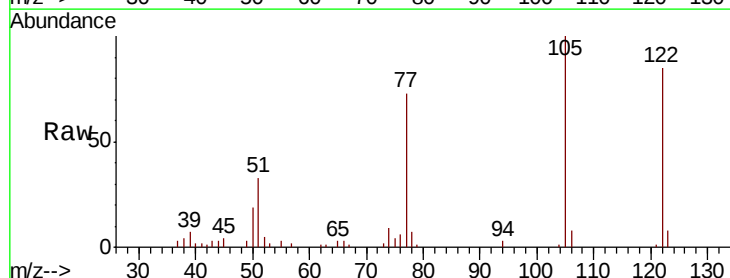
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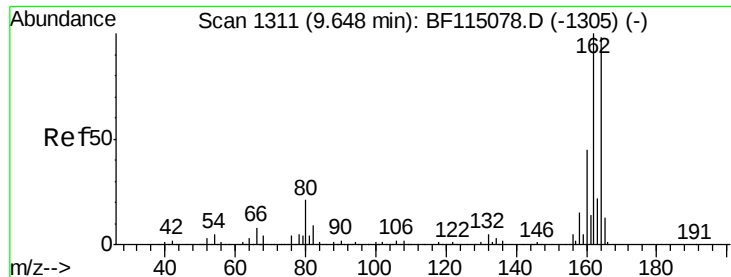
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#32
 Benzoic acid
 Concen: 3.666 ng
 RT: 7.60 min Scan# 963
 Delta R.T. -0.06 min
 Lab File: BF115302.D
 Acq: 29 Jun 2019 00:35

Tgt Ion	Ratio	Lower	Upper
122	100		
105	118.0	98.2	138.2
77	86.3	67.0	107.0





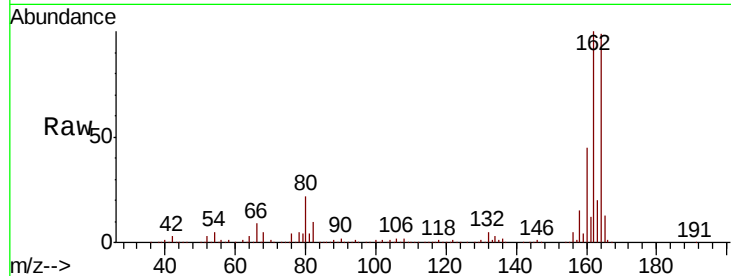
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.62 min Scan# 1306
Delta R.T. -0.01 min
Lab File: BF115302.D
Acq: 29 Jun 2019 00:35

Instrument :
BNA_F
ClientSampleId :
SB-09-COMP

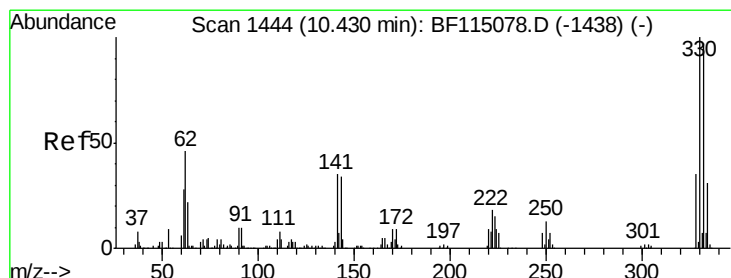
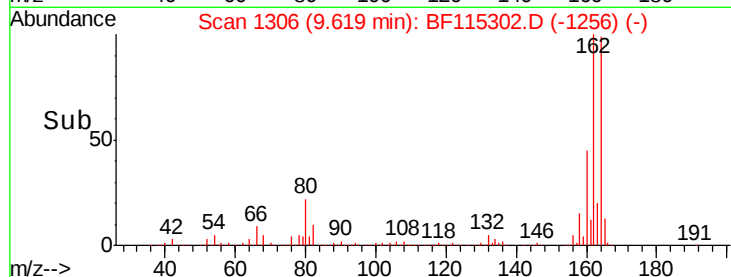
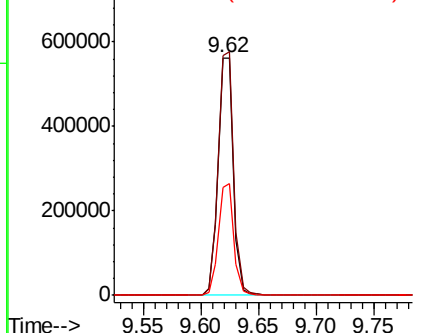
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.7	81.7	122.5	
160	45.6	37.0	55.4	

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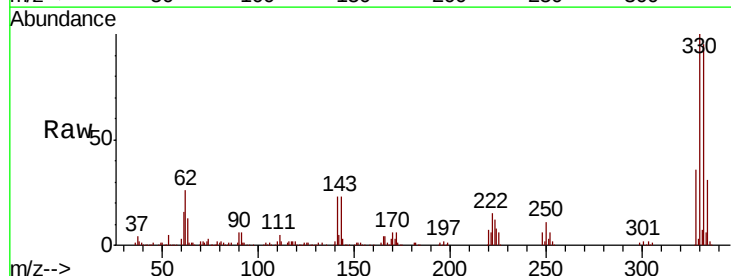


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

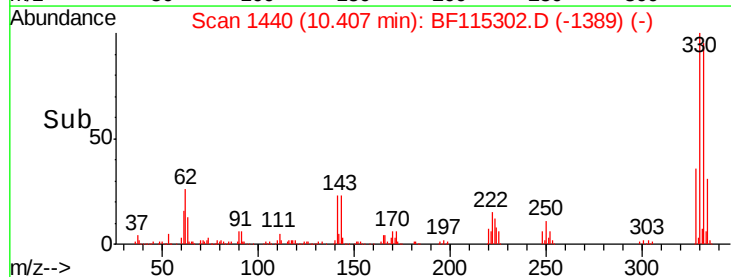
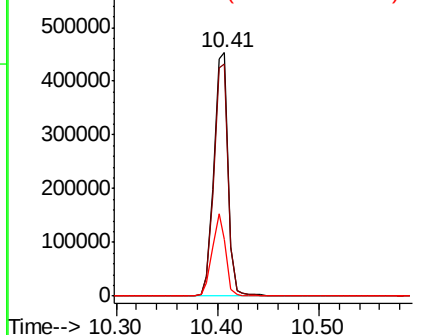


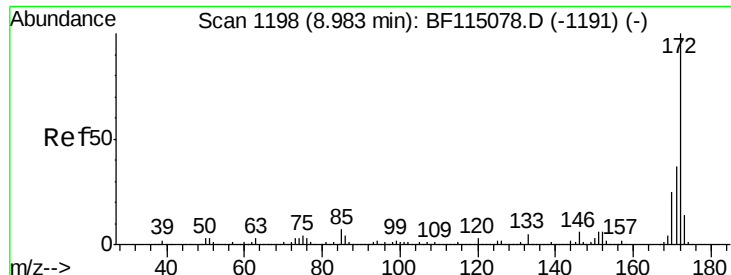
#42
2,4,6-Tribromophenol
Concen: 80.985 ng
RT: 10.41 min Scan# 1440
Delta R.T. 0.00 min
Lab File: BF115302.D
Acq: 29 Jun 2019 00:35

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.1	77.3	115.9	
141	32.4	28.2	42.2	



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





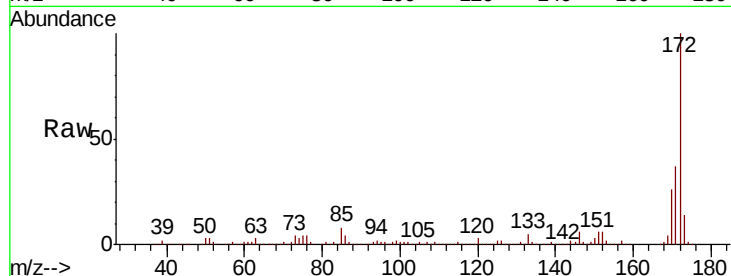
#45
2-Fluorobiphenyl
Concen: 56.502 ng
RT: 8.95 min Scan# 1193
Delta R.T. -0.01 min
Lab File: BF115302.D
Acq: 29 Jun 2019 00:35

Instrument :
BNA_F
ClientSampleId :
SB-09-COMP

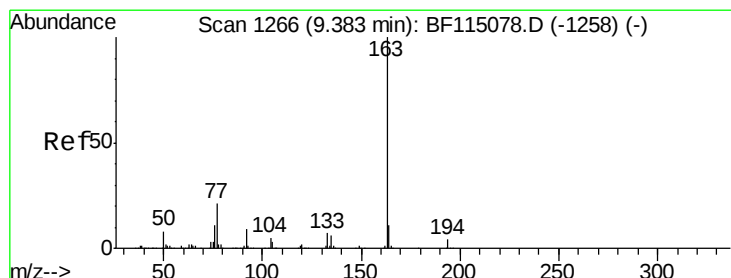
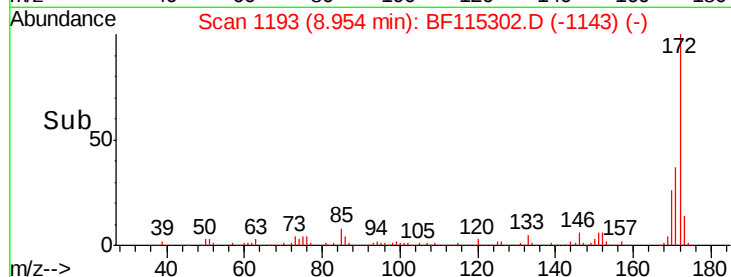
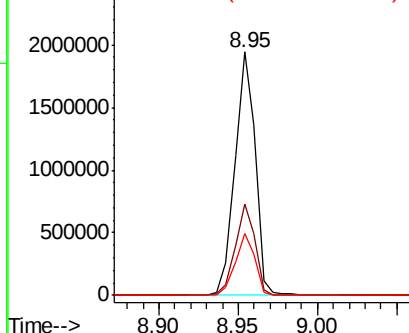
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.4	29.8	44.6
170	25.5	20.3	30.5

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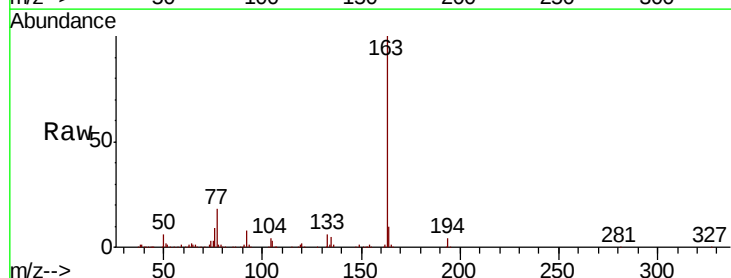


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

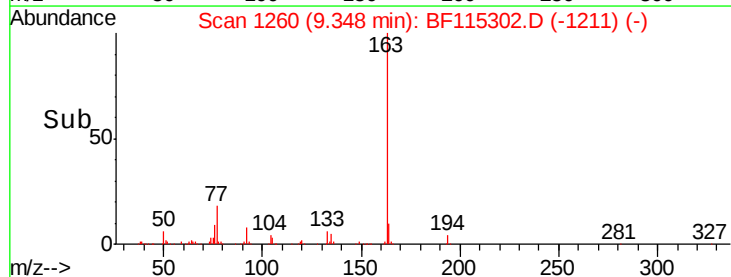
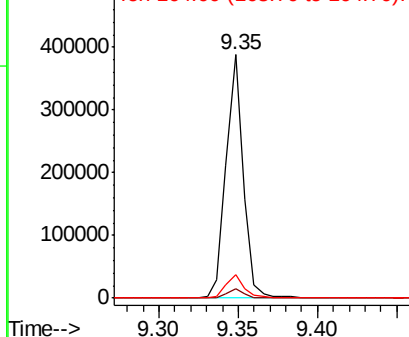


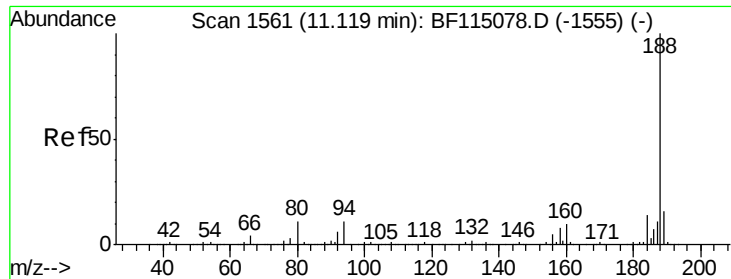
#50
Dimethylphthalate
Concen: 7.628 ng
RT: 9.35 min Scan# 1260
Delta R.T. -0.01 min
Lab File: BF115302.D
Acq: 29 Jun 2019 00:35

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.2	4.8
164	9.9	8.6	13.0



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





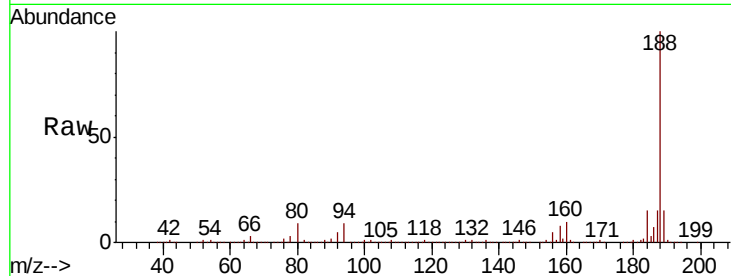
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.10 min Scan# 1557
Delta R.T. 0.00 min
Lab File: BF115302.D
Acq: 29 Jun 2019 00:35

Instrument :
BNA_F
ClientSampleId :
SB-09-COMP

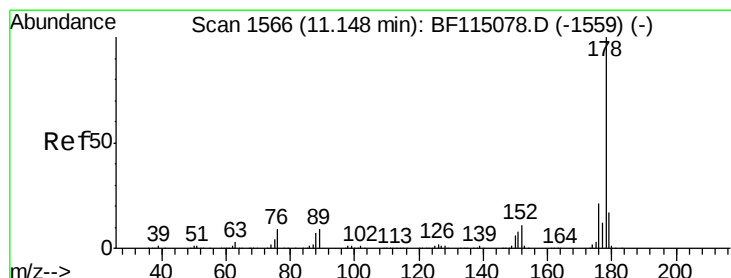
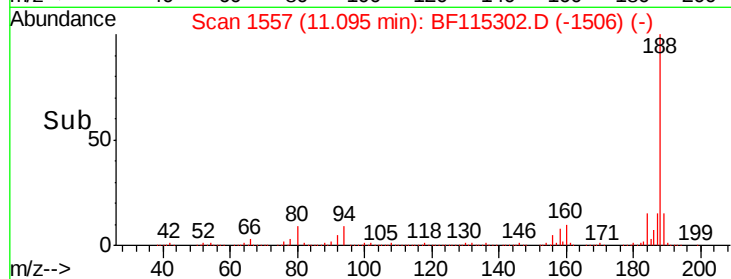
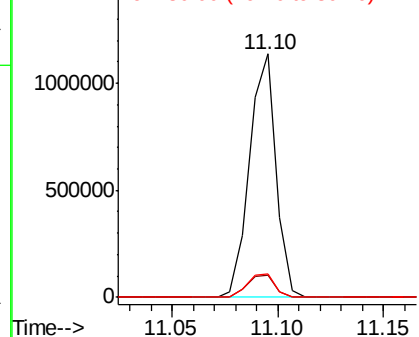
Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.0	8.6	12.8
80	9.5	8.8	13.2

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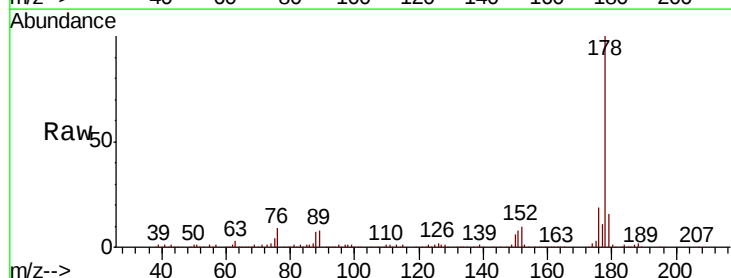


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

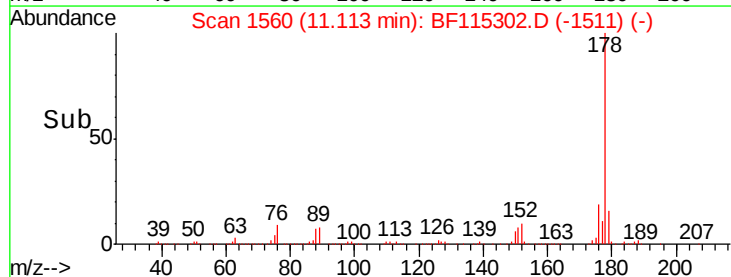
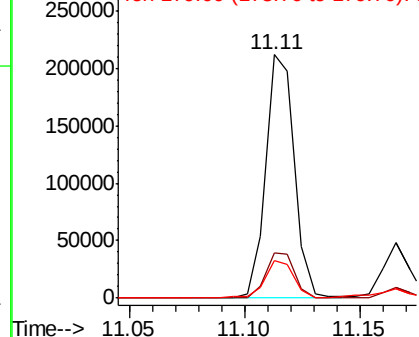


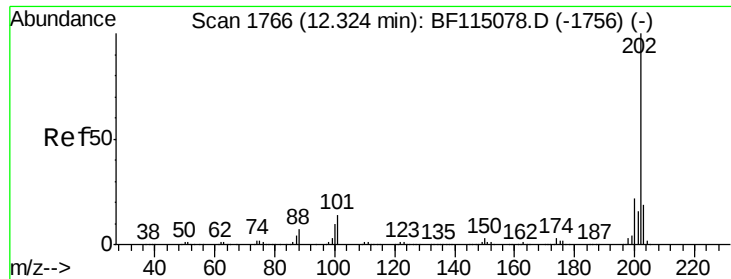
#71
Phenanthrene
Concen: 3.432 ng
RT: 11.11 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF115302.D
Acq: 29 Jun 2019 00:35

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.7	16.9	25.3
179	15.7	13.2	19.8



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





#75

Fluoranthene

Concen: 10.038 ng

RT: 12.30 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF115302.D

Acq: 29 Jun 2019 00:35

Instrument :

BNA_F

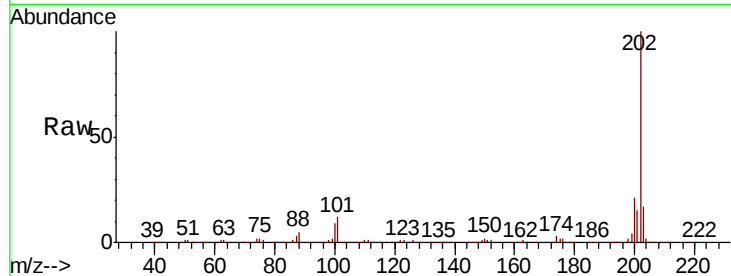
ClientSampleId :

SB-09-COMP

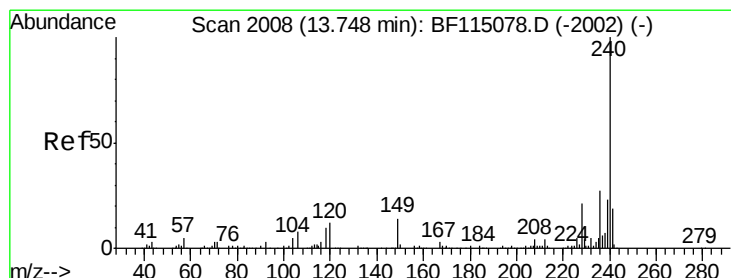
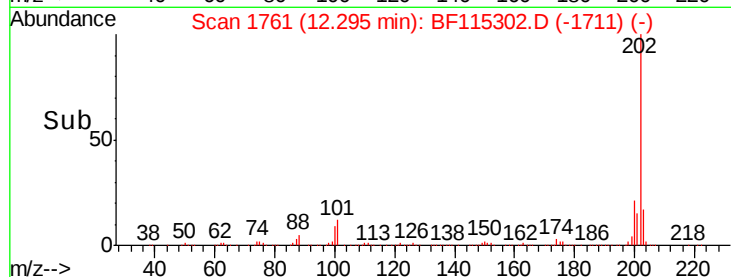
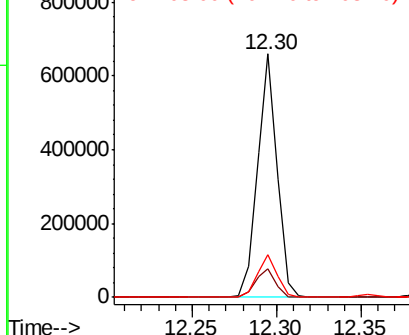
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.8	0.0	34.0
203	17.4	0.0	38.8

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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

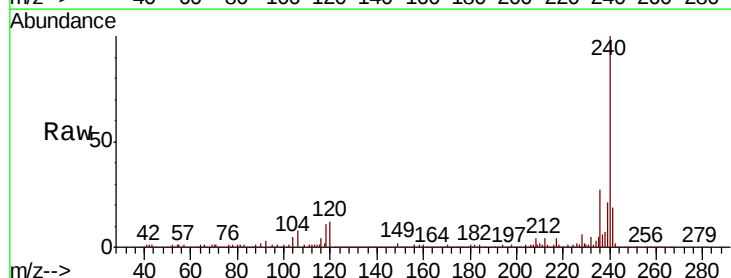
RT: 13.71 min Scan# 2002

Delta R.T. -0.01 min

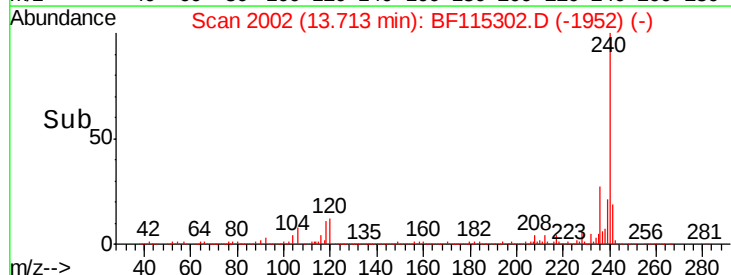
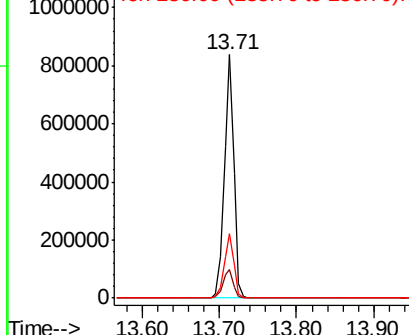
Lab File: BF115302.D

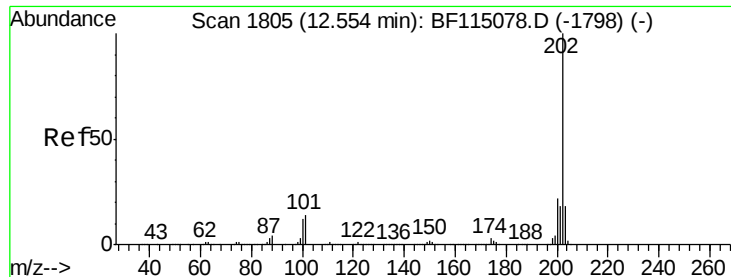
Acq: 29 Jun 2019 00:35

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	11.9	9.4	14.2
236	26.6	21.7	32.5



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





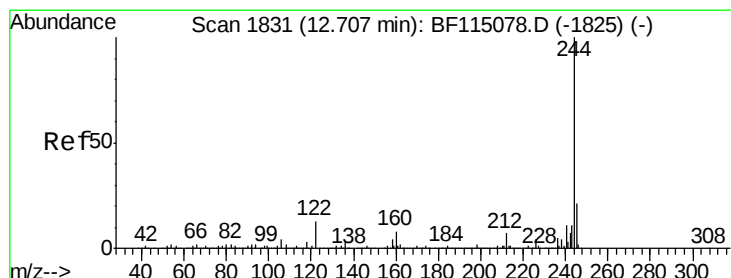
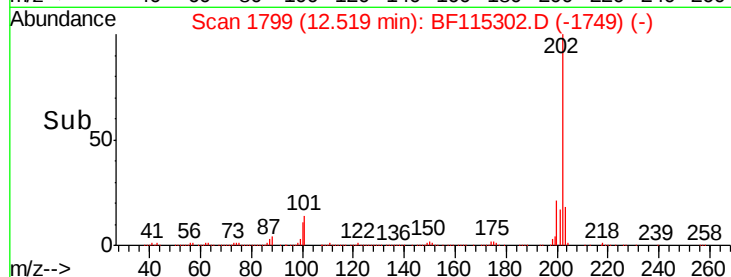
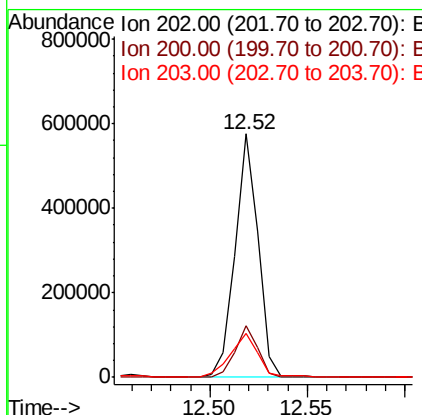
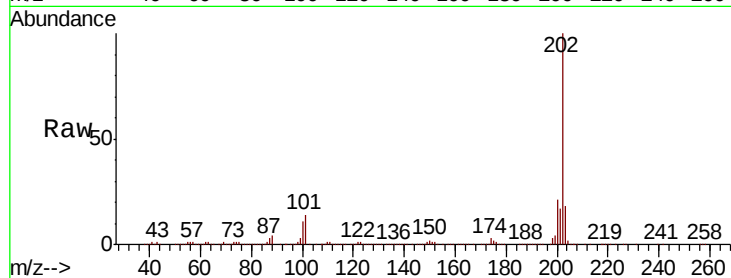
#78
Pvrene
Concen: 8.546 ng
RT: 12.52 min Scan# 1799
Delta R.T. -0.01 min
Lab File: BF115302.D
Acq: 29 Jun 2019 00:35

Instrument :
BNA_F
ClientSampleId :
SB-09-COMP

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.9	26.9
203	18.0	14.6	21.8

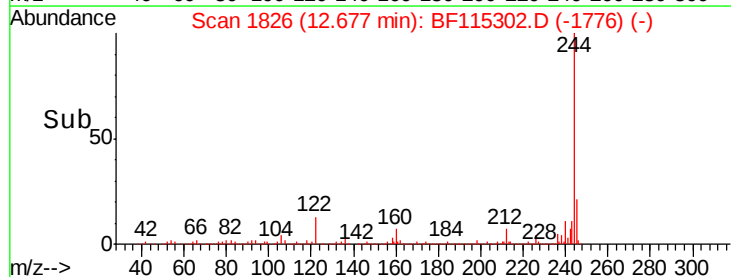
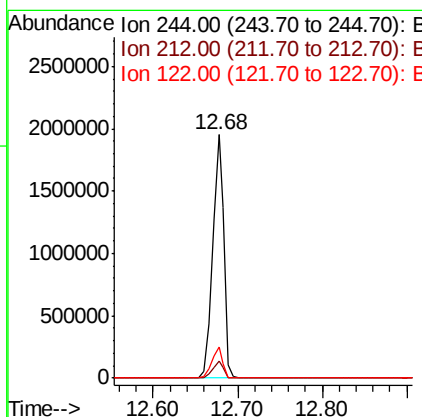
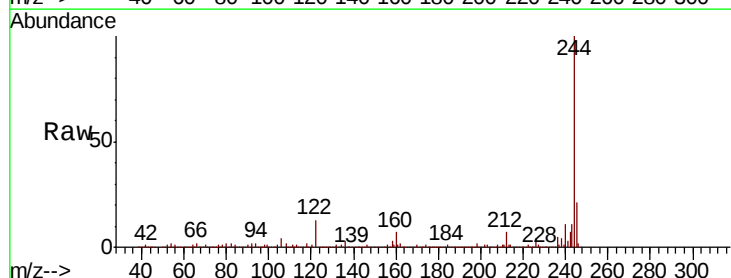
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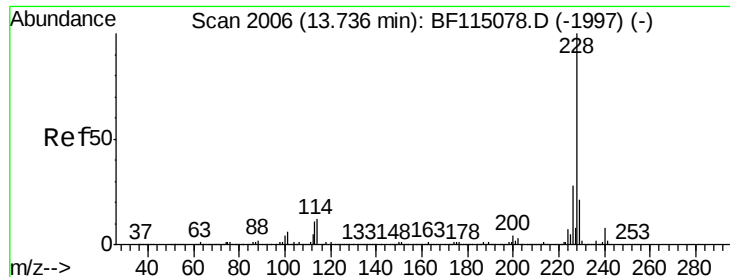
mohammad
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#79
Terphenyl-d14
Concen: 55.063 ng
RT: 12.68 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF115302.D
Acq: 29 Jun 2019 00:35

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.8	8.6
122	12.6	10.4	15.6





#81

Benzo(a)anthracene

Concen: 4.937 ng

RT: 13.70 min Scan# 2000

Delta R.T. -0.01 min

Lab File: BF115302.D

Acq: 29 Jun 2019 00:35

Instrument :

BNA_F

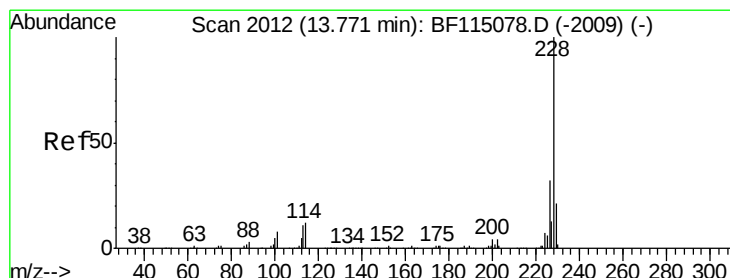
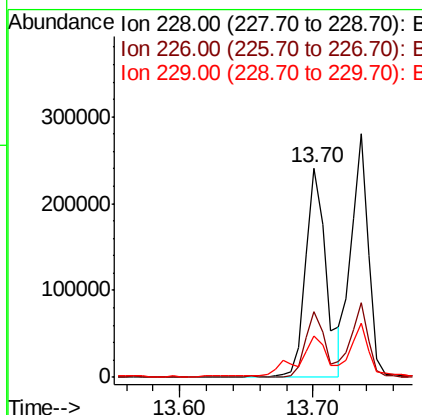
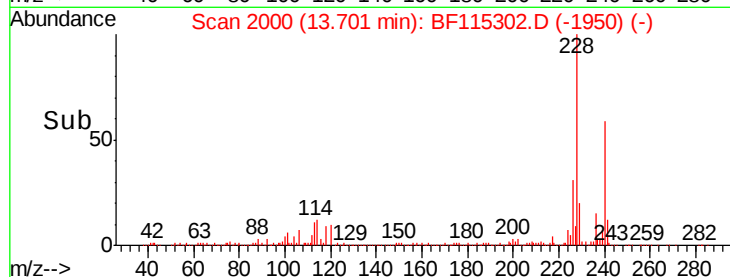
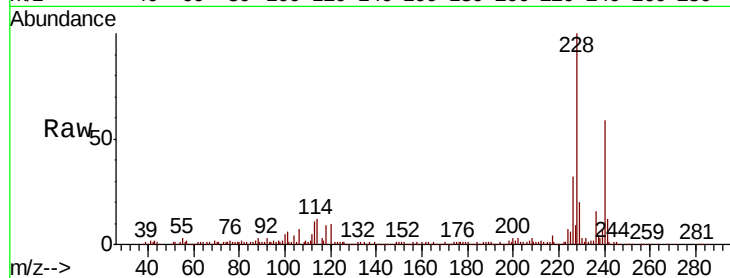
ClientSampleId :

SB-09-COMP

Tot Ion:	228	Resp:	253400
Ion Ratio	Lower	Upper	
228	100		
226	31.6	22.5	33.7
229	20.0	16.6	24.8

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#83

Chrysene

Concen: 5.417 ng

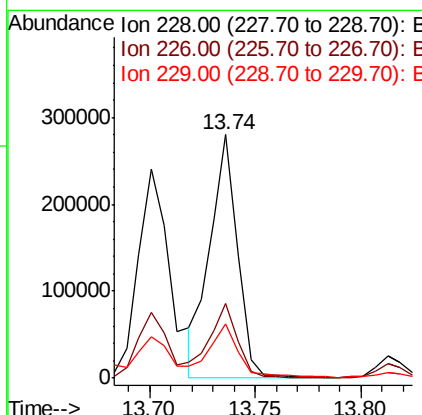
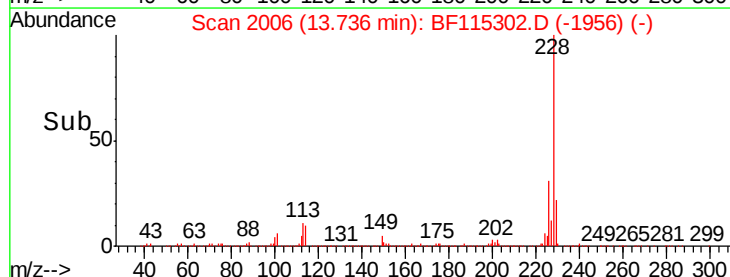
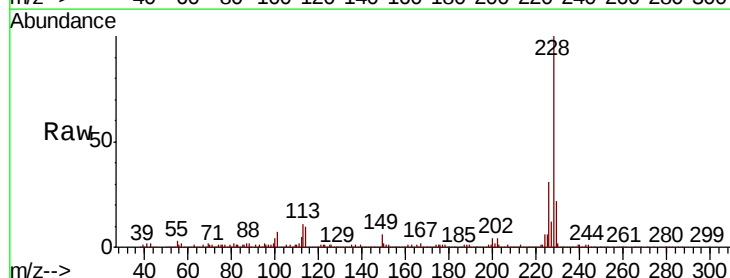
RT: 13.74 min Scan# 2006

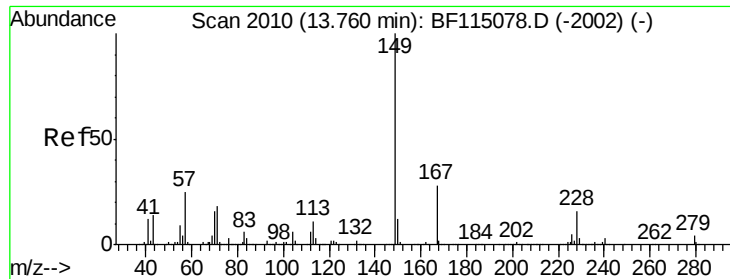
Delta R.T. -0.01 min

Lab File: BF115302.D

Acq: 29 Jun 2019 00:35

Tgt Ion:	228	Resp:	254724
Ion Ratio	Lower	Upper	
228	100		
226	30.8	25.4	38.0
229	22.4	16.5	24.7





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.839 ng

RT: 13.72 min Scan# 2004

Delta R.T. -0.01 min

Lab File: BF115302.D

Acq: 29 Jun 2019 00:35

Instrument :

BNA_F

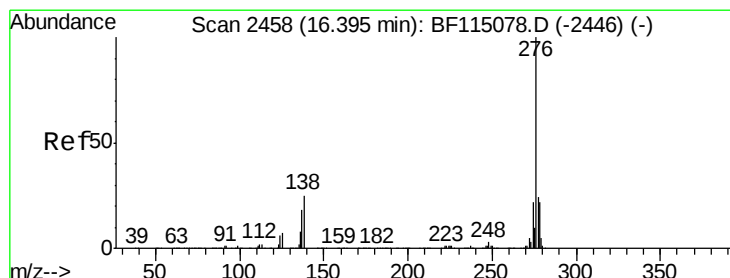
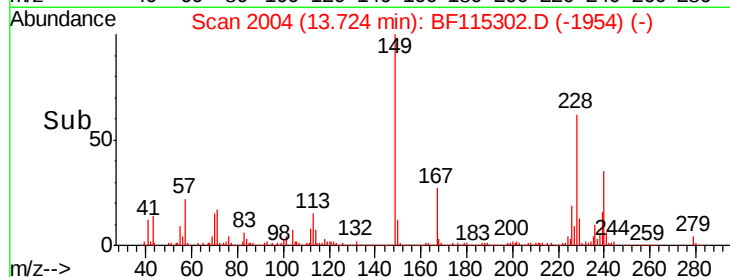
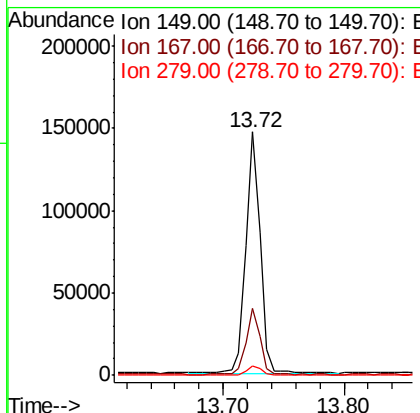
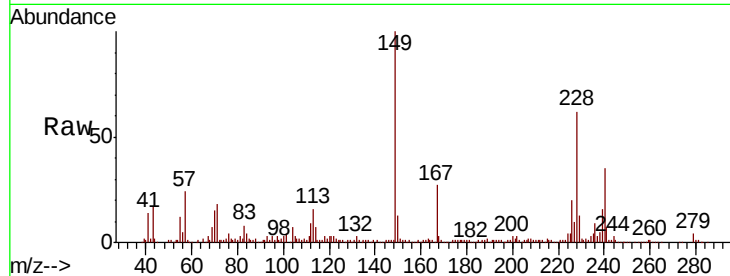
ClientSampleId :

SB-09-COMP

Tot Ion:	149	Resp:	122053
Ion Ratio	Lower	Upper	
149	100		
167	27.4	22.2	33.4
279	3.8	2.9	4.3

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#86

Indeno(1,2,3-cd)pyrene

Concen: 2.568 ng

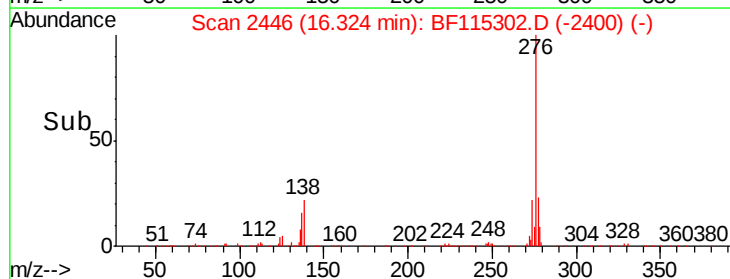
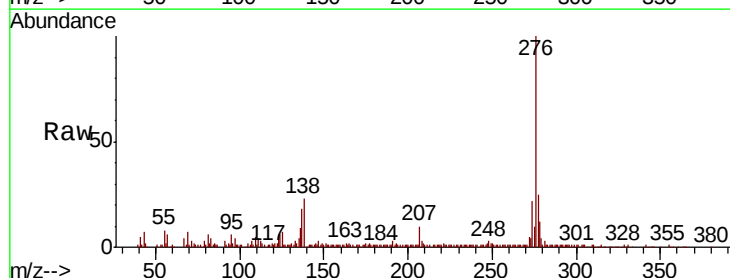
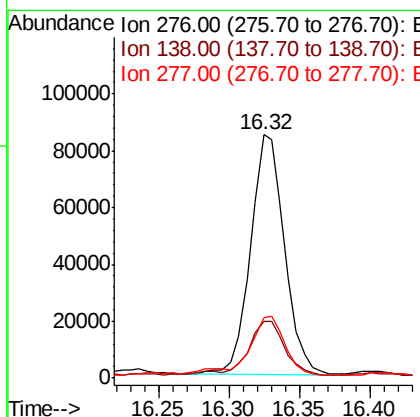
RT: 16.32 min Scan# 2446

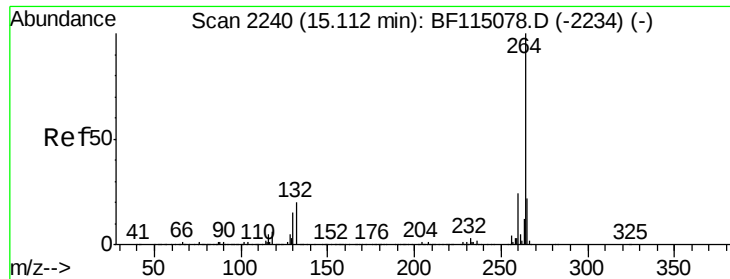
Delta R.T. -0.03 min

Lab File: BF115302.D

Acq: 29 Jun 2019 00:35

Tgt Ion:	276	Resp:	142881
Ion Ratio	Lower	Upper	
276	100		
138	25.0	23.2	34.8
277	27.7	20.1	30.1





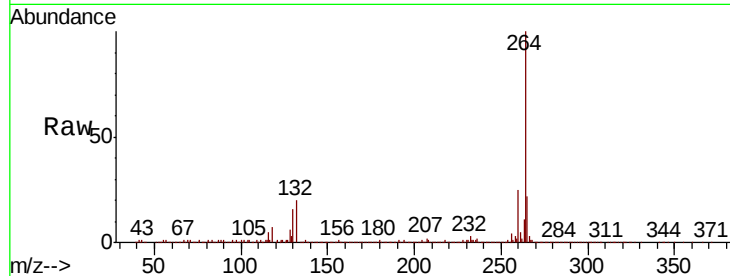
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.07 min Scan# 2233
Delta R.T. -0.01 min
Lab File: BF115302.D
Acq: 29 Jun 2019 00:35

Instrument :
BNA_F
ClientSampleId :
SB-09-COMP

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.6	29.4
265	21.9	17.3	25.9

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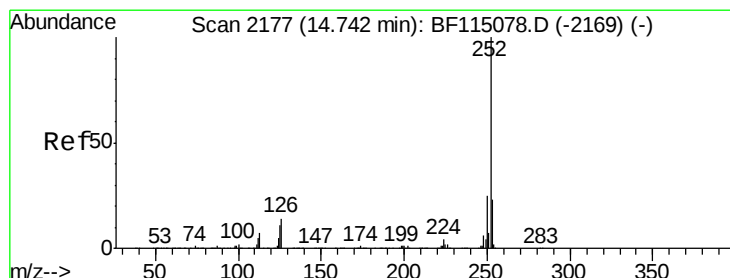
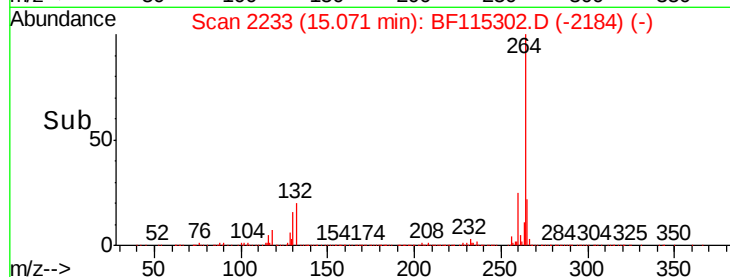
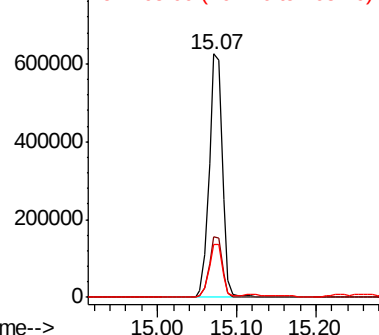


Abundance

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: 9.256 ng m
RT: 14.70 min Scan# 2170
Delta R.T. -0.02 min
Lab File: BF115302.D
Acq: 29 Jun 2019 00:35

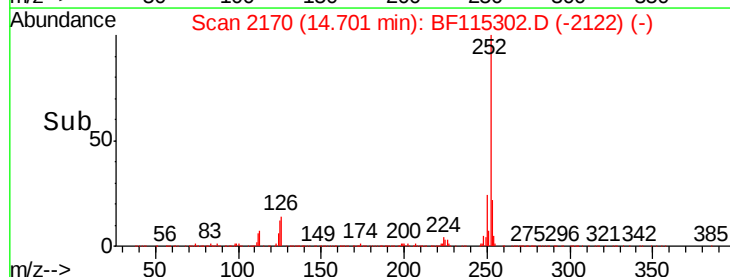
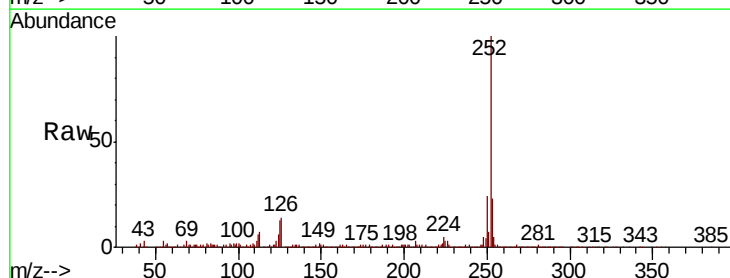
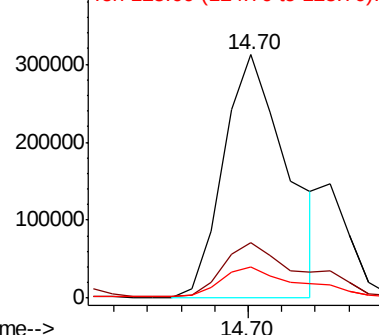
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.1	27.1
125	12.6	8.7	13.1

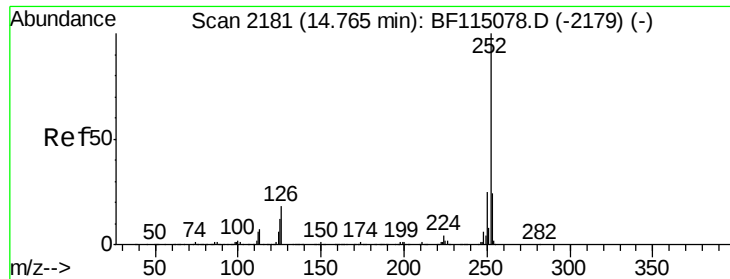
Abundance

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: 2.243 ng m

RT: 14.72 min Scan# 2174

Delta R.T. -0.02 min

Lab File: BF115302.D

Acq: 29 Jun 2019 00:35

Instrument :

BNA_F

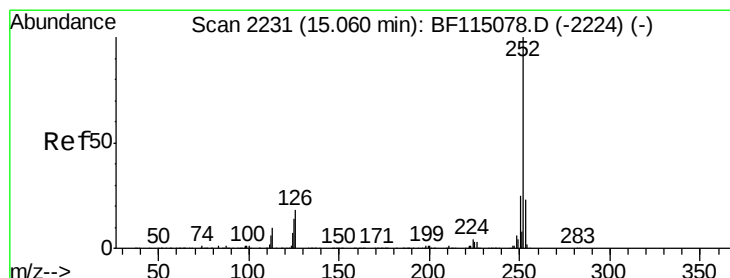
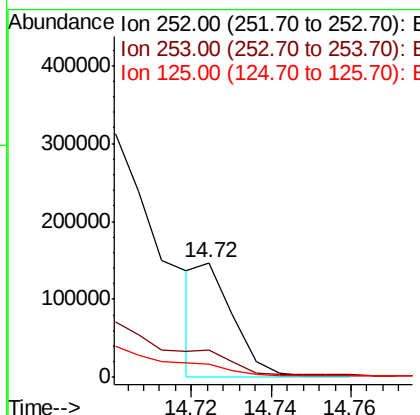
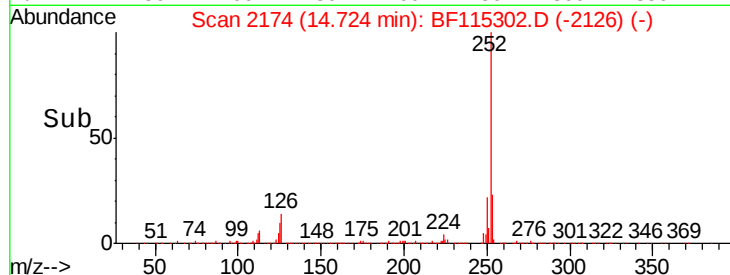
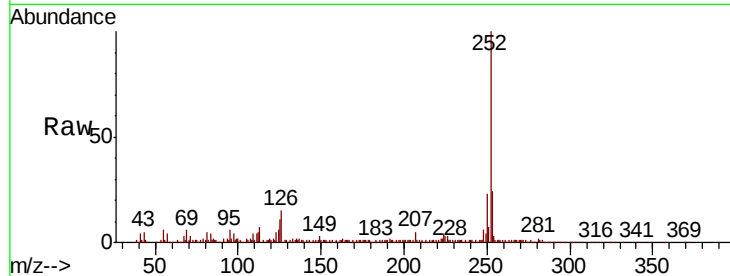
ClientSampleId :

SB-09-COMP

Tot Ion:	252	Resp:	90020
Ion Ratio	Lower	Upper	
252	100		
253	24.1	18.9	28.3
125	11.4	10.2	15.2

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#90

Benzo(a)pyrene

Concen: 5.649 ng m

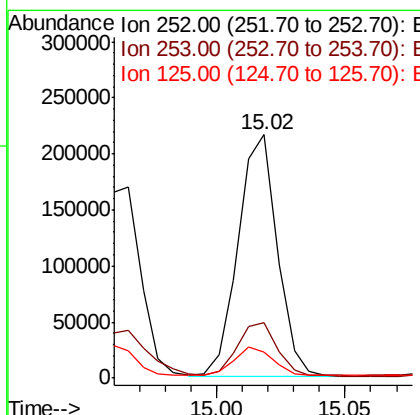
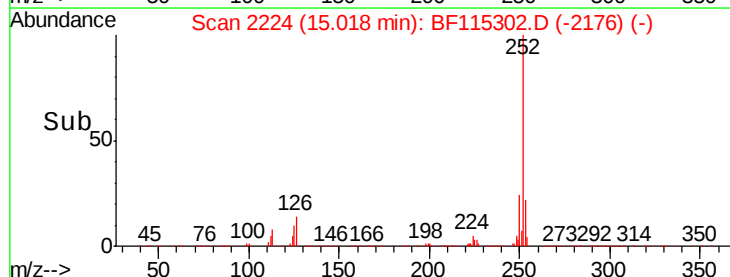
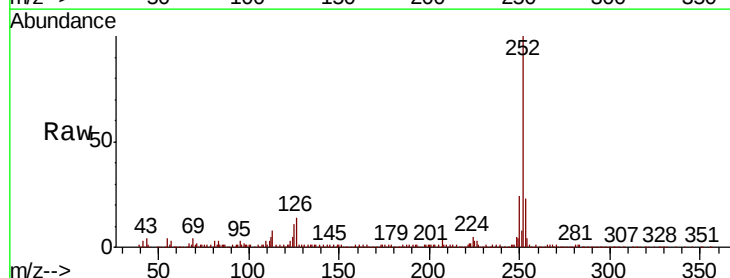
RT: 15.02 min Scan# 2224

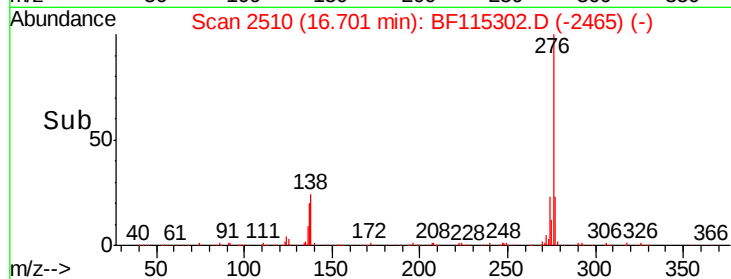
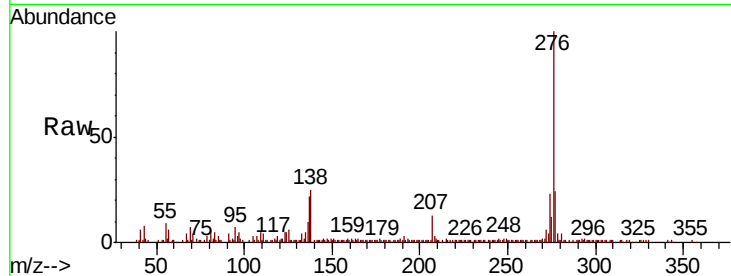
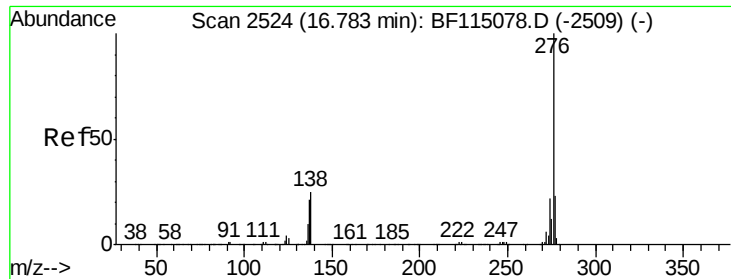
Delta R.T. -0.02 min

Lab File: BF115302.D

Acq: 29 Jun 2019 00:35

Tgt Ion:	252	Resp:	227891
Ion Ratio	Lower	Upper	
252	100		
253	22.8	18.3	27.5
125	10.8	10.9	16.3#





#92
 Benzo(a,h,i)perylene
 Concen: 3.320 ng
 RT: 16.70 min Scan# 2510
 Delta R.T. -0.04 min
 Lab File: BF115302.D
 Acq: 29 Jun 2019 00:35

Instrument :
 BNA_F
 ClientSampleId :
 SB-09-COMP

Tot Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	24.4	18.6	28.0
138	24.6	19.8	29.6

Manual Integrations
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