

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091219\
 Data File : BF116994.D
 Acq On : 12 Sep 2019 16:15
 Operator : HP/JU
 Sample : K4852-19
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BUS-3(0-3.5)

Manual Integrations
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mohammad
 9/16/2019 8:59:38 AM

Quant Time: Sep 13 08:02:08 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 12 08:24:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	64239	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	250306	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	119209	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	167081	20.00	ng	0.00
76) Chrysene-d12	13.97	240	123391	20.00	ng	0.00
87) Perylene-d12	15.42	264	145114	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	352442	88.88	ng	0.00
7) Phenol-d6	6.46	99	475601	91.34	ng	0.00
23) Nitrobenzene-d5	7.38	82	297156	67.77	ng	-0.01
42) 2,4,6-Tribromophenol	10.64	330	85828	107.70	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	493670	69.86	ng	0.00
79) Terphenyl-d14	12.92	244	329711	49.43	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.56	163	43465	5.281	ng	99
71) Phenanthrene	11.36	178	73163	7.866	ng	98
72) Anthracene	11.41	178	24630	2.631	ng	100
75) Fluoranthene	12.55	202	169414	18.535	ng	99
78) Pyrene	12.77	202	157815	14.388	ng	99
81) Benzo(a)anthracene	13.96	228	94238	12.067	ng	97
83) Chrysene	13.99	228	83548	10.384	ng	97
84) Bis(2-ethylhexyl)phthalate	13.95	149	26838	4.076	ng	# 94
86) Indeno(1,2,3-cd)pyrene	16.84	276	49559	7.669	ng	95
88) Benzo(b)fluoranthene	15.00	252	126907m	14.465	ng	
89) Benzo(k)fluoranthene	15.02	252	42065m	5.259	ng	
90) Benzo(a)pyrene	15.36	252	91477	11.985	ng	99
91) Dibenzo(a,h)anthracene	16.86	278	14645	2.192	ng	# 91
92) Benzo(a,h,i)perylene	17.28	276	48534	7.123	ng	98

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

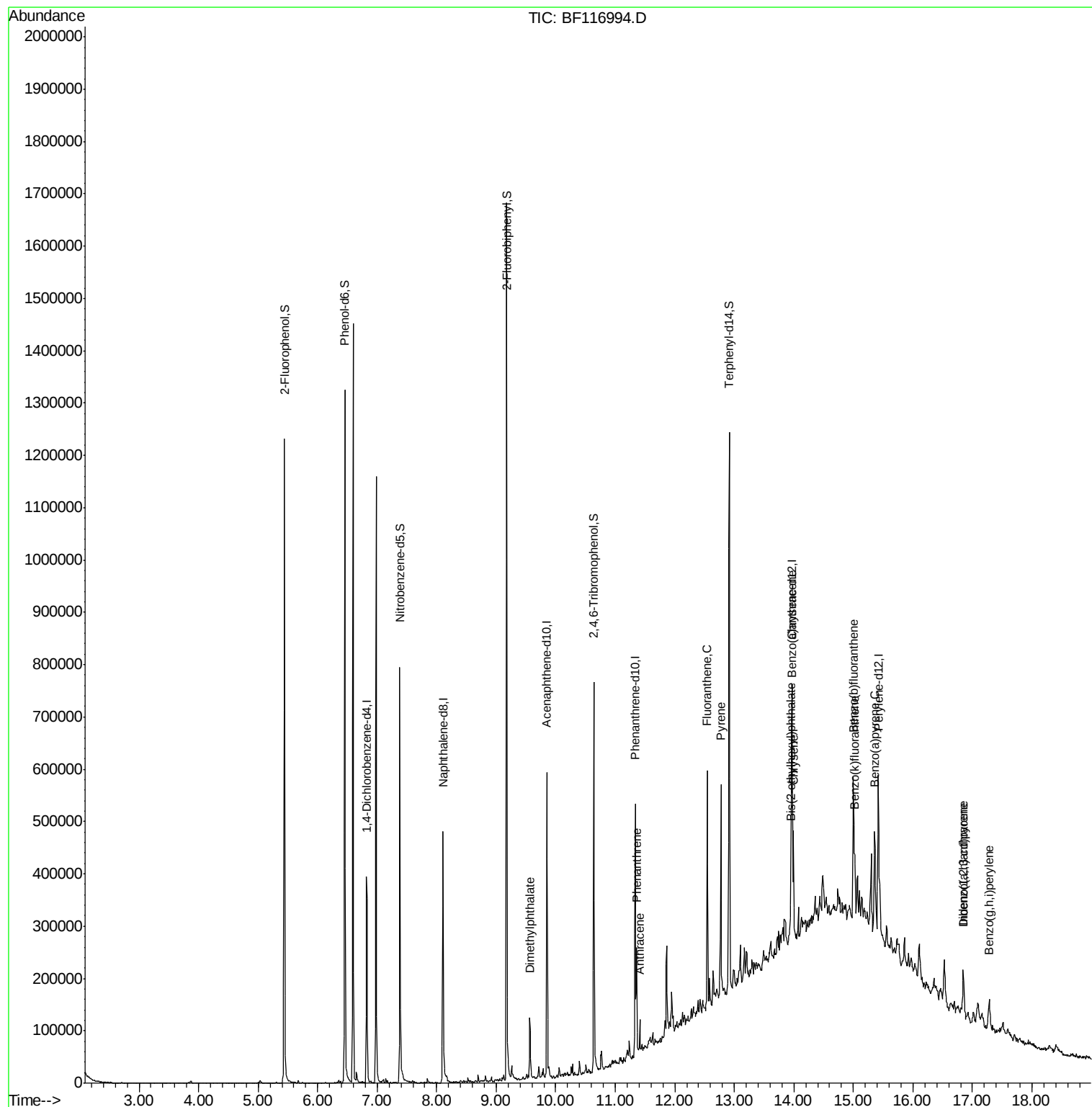
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091219\
Data File : BF116994.D
Acq On : 12 Sep 2019 16:15
Operator : HP/JU
Sample : K4852-19
Misc :
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Instrument :
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

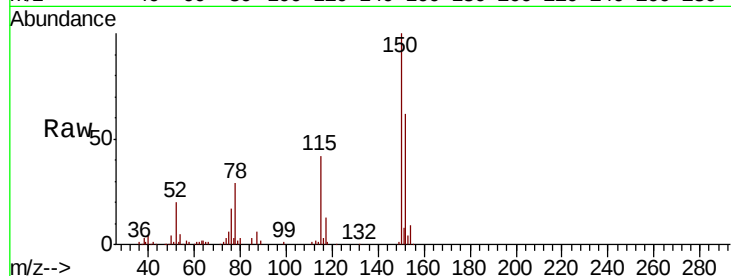
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF116994.D
Acq: 12 Sep 2019 16:15

Instrument :
BNA_F
ClientSampleId :
BUS-3(0-3.5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.7	126.2	189.2
115	67.0	50.2	75.2

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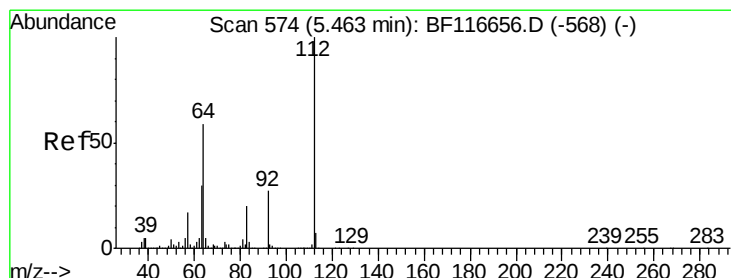
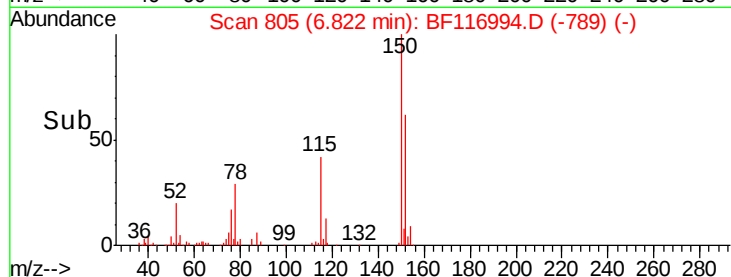
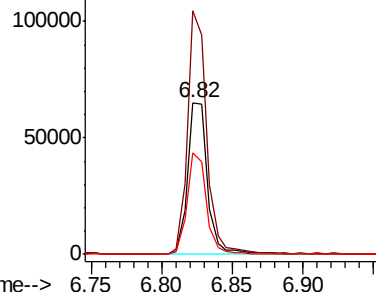


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

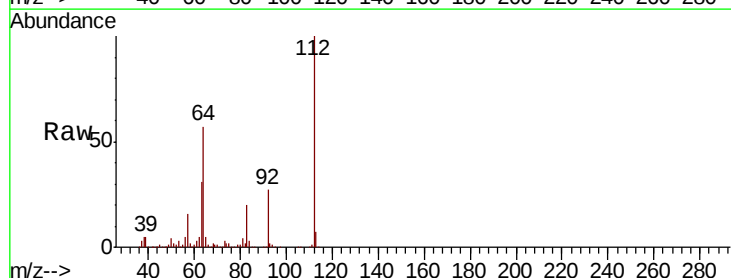
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 88.883 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.00 min
Lab File: BF116994.D
Acq: 12 Sep 2019 16:15

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.0	47.1	70.7
63	30.6	25.4	38.0

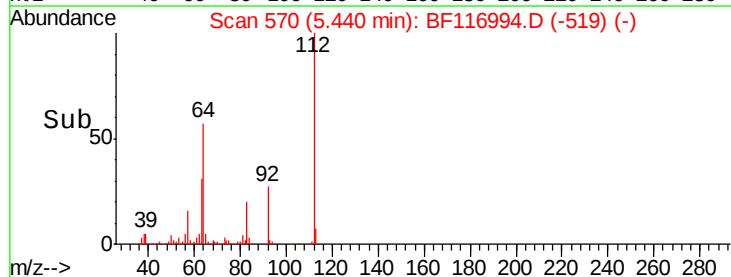
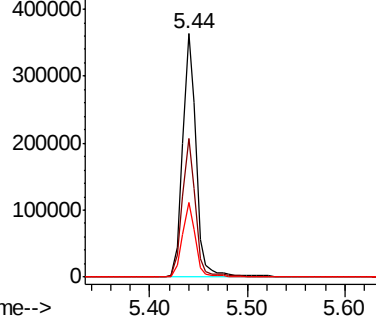


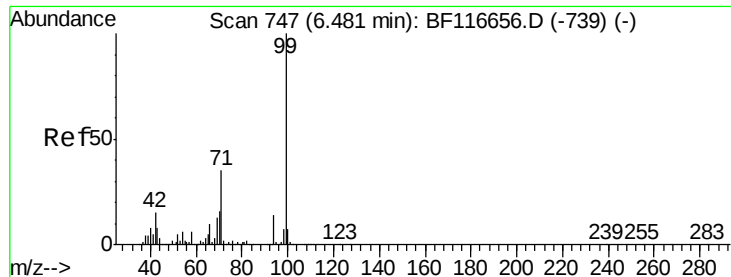
Abundance

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: 91.343 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF116994.D

Acq: 12 Sep 2019 16:15

Instrument :

BNA_F

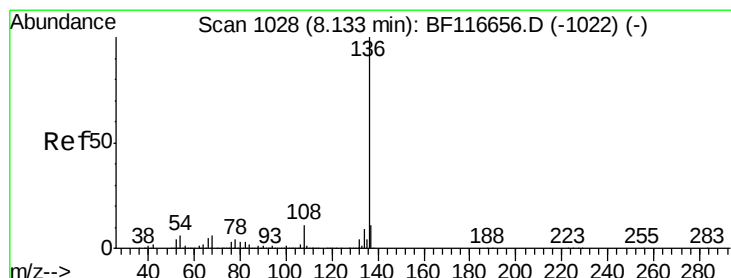
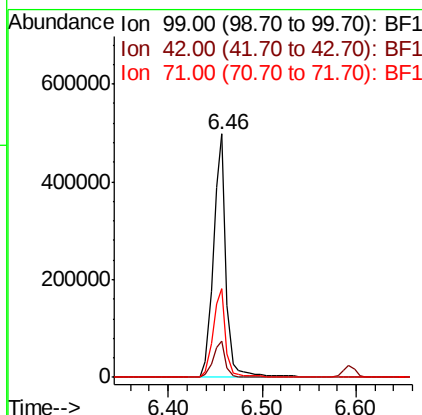
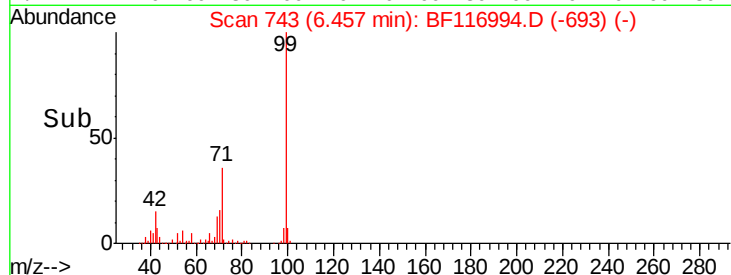
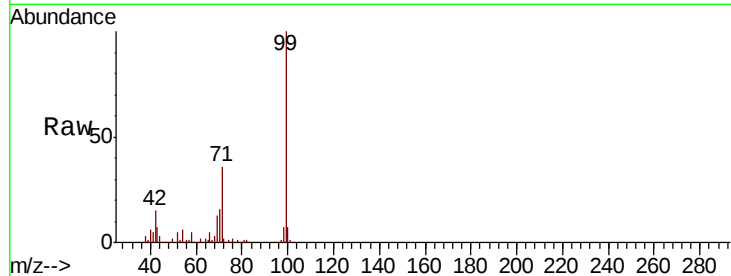
ClientSampleId :

BUS-3(0-3.5)

Tot Ion:	99	Resp:	475601
Ion Ratio	Lower	Upper	
99	100		
42	15.1	12.0	18.0
71	36.3	29.7	44.5

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#21

Naphthalene-d8

Concen: 20.000 ng

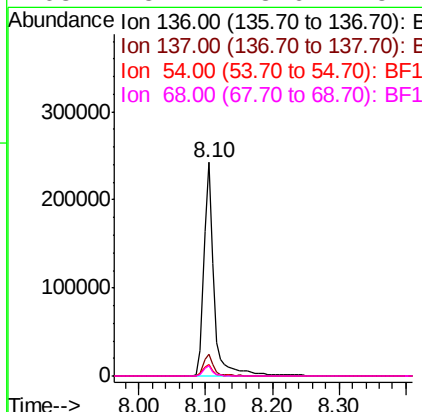
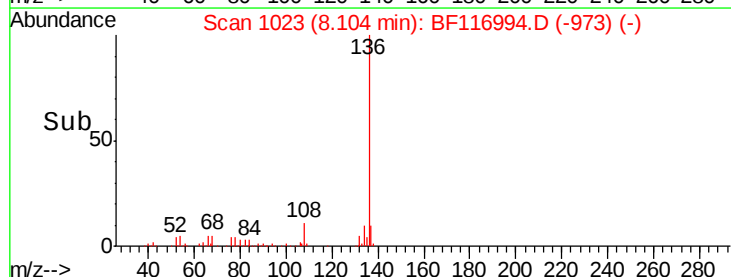
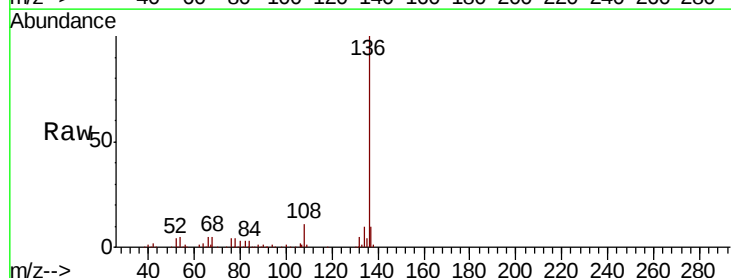
RT: 8.10 min Scan# 1023

Delta R.T. -0.01 min

Lab File: BF116994.D

Acq: 12 Sep 2019 16:15

Tgt Ion:	136	Resp:	250306
Ion Ratio	Lower	Upper	
136	100		
137	10.5	8.5	12.7
54	5.3	3.8	5.8
68	5.1	3.6	5.4





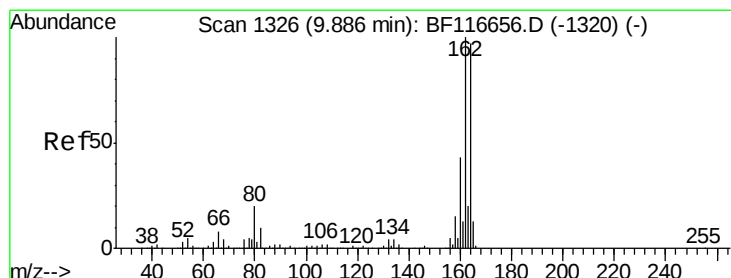
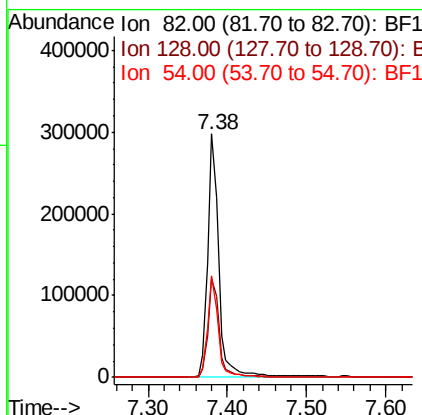
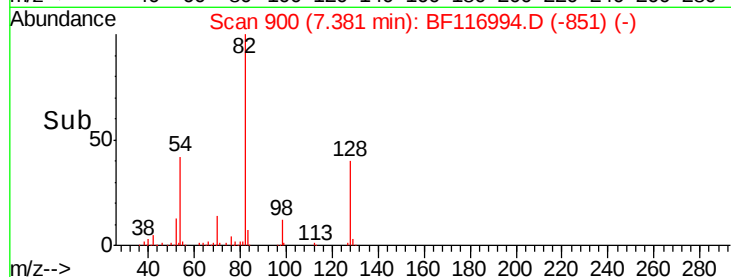
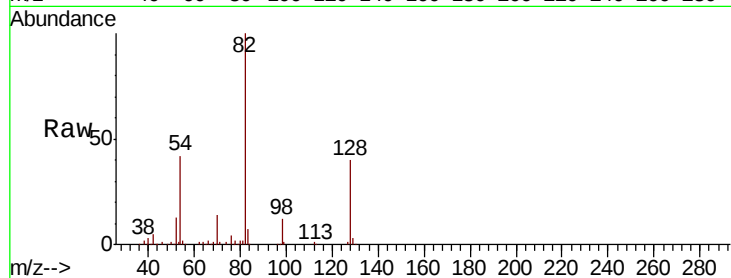
#23
 Nitrobenzene-d5
 Concen: 67.772 ng
 RT: 7.38 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: BF116994.D
 Acq: 12 Sep 2019 16:15

Instrument :
 BNA_F
 ClientSampleId :
 BUS-3(0-3.5)

Tot Ion	82	Resp	297156
Ion Ratio	Lower	Upper	
82	100		
128	40.4	35.0	52.4
54	41.6	32.6	48.8

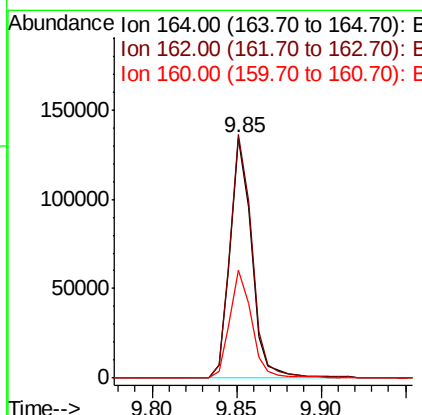
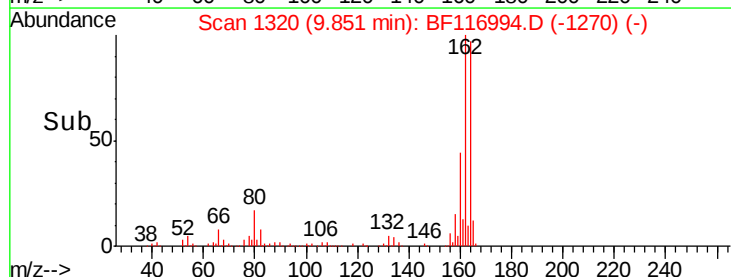
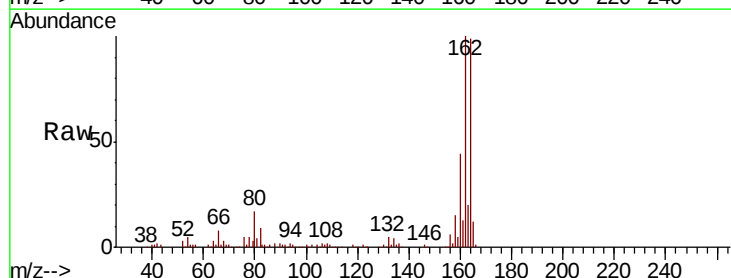
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: BF116994.D
 Acq: 12 Sep 2019 16:15

Tgt Ion	164	Resp	119209
Ion Ratio	Lower	Upper	
164	100		
162	101.3	81.8	122.6
160	44.8	35.7	53.5





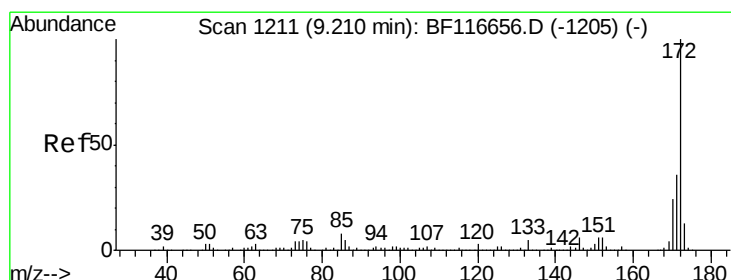
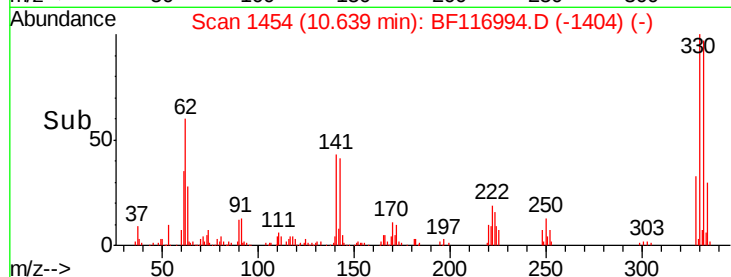
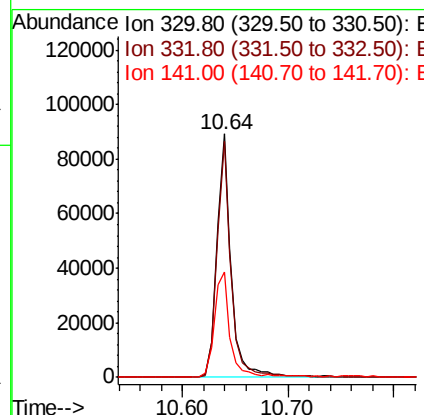
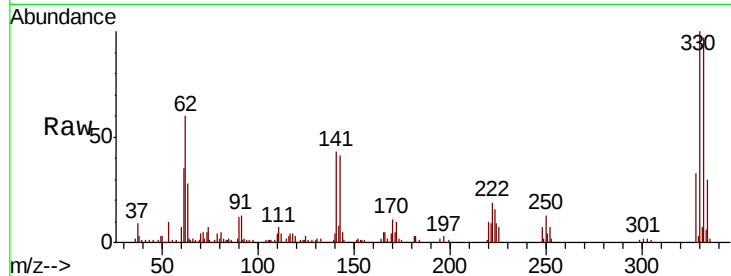
#42
 2,4,6-Tribromophenol
 Concen: 107.697 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF116994.D
 Acq: 12 Sep 2019 16:15

Instrument :
 BNA_F
 ClientSampleId :
 BUS-3(0-3.5)

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.4	75.9	113.9	
141	47.8	35.6	53.4	

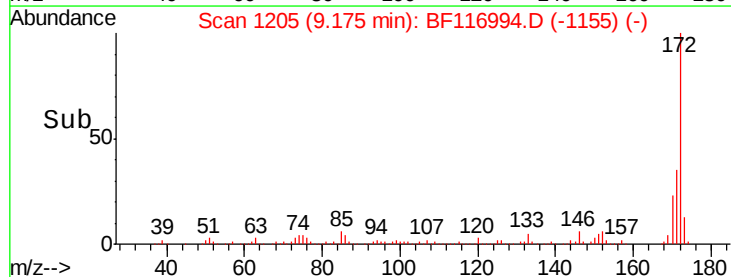
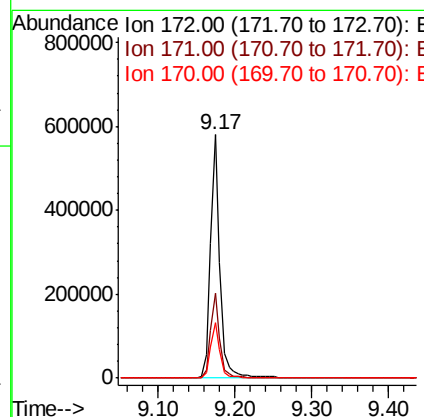
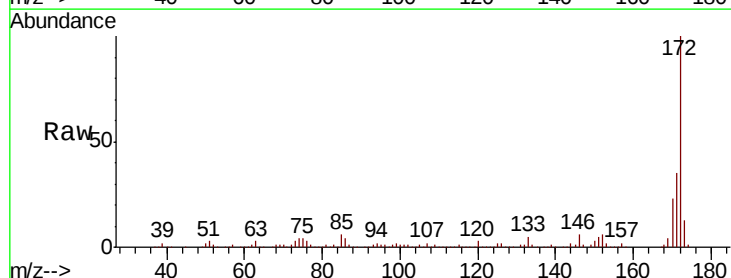
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#45
 2-Fluorobiphenyl
 Concen: 69.858 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: BF116994.D
 Acq: 12 Sep 2019 16:15

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	34.7	29.1	43.7	
170	23.0	19.2	28.8	





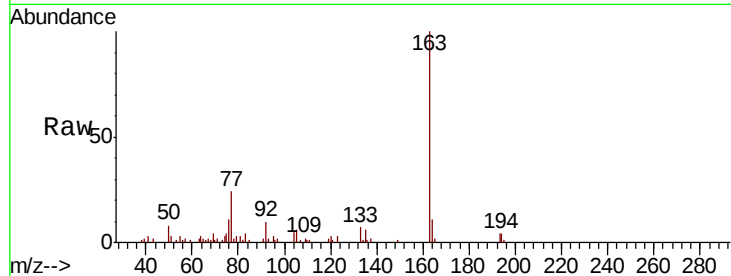
#50
Dimethylphthalate
Concen: 5.281 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.02 min
Lab File: BF116994.D
Acq: 12 Sep 2019 16:15

Instrument :
BNA_F
ClientSampleId :
BUS-3(0-3.5)

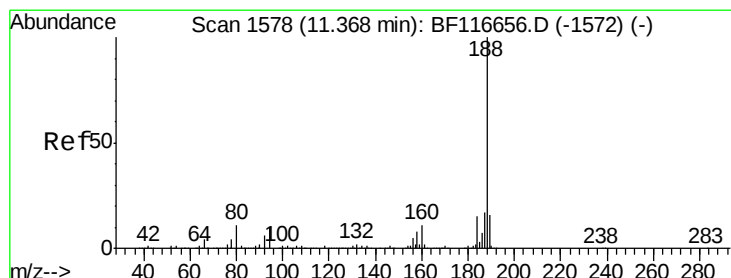
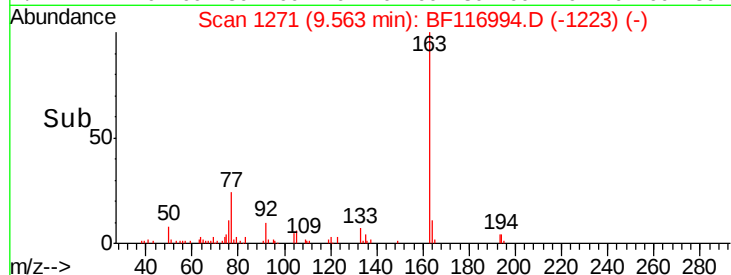
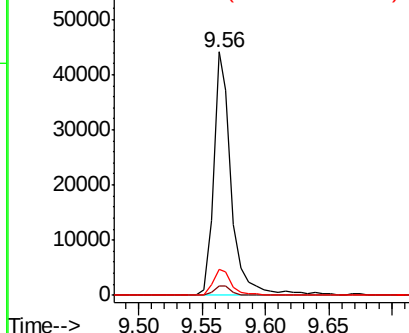
Tot Ion:	163	Resp:	43465
Ion Ratio	Lower	Upper	
163	100		
194	3.8	2.7	4.1
164	10.6	8.2	12.4

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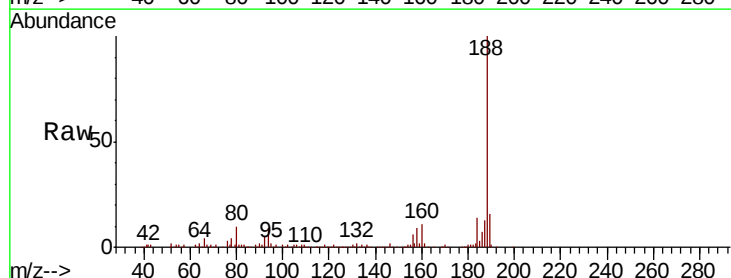


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

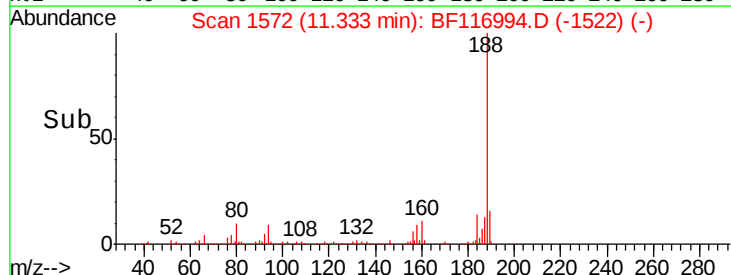
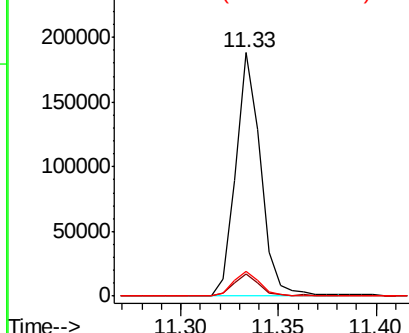


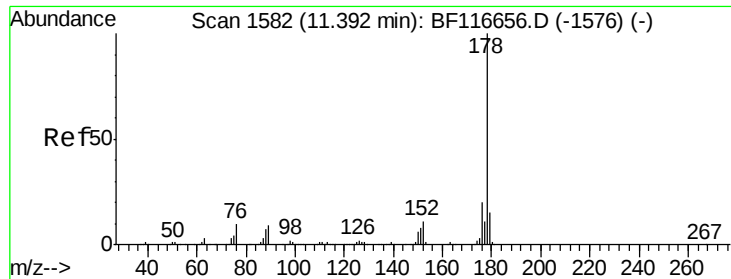
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF116994.D
Acq: 12 Sep 2019 16:15

Tgt Ion:	188	Resp:	167081
Ion Ratio	Lower	Upper	
188	100		
94	9.0	7.4	11.2
80	10.3	8.5	12.7



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





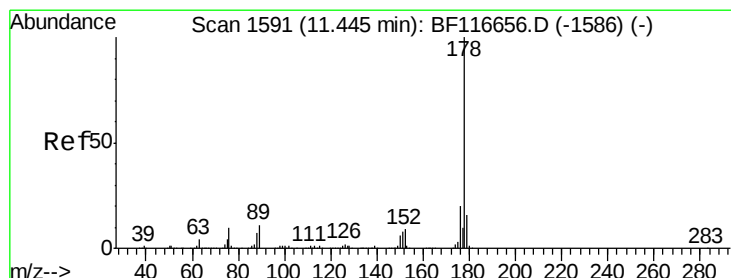
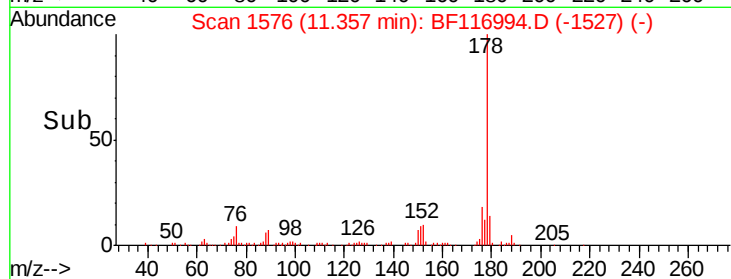
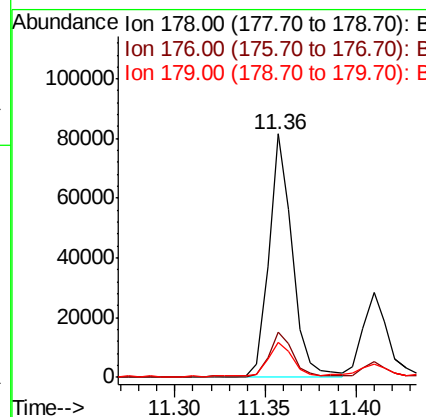
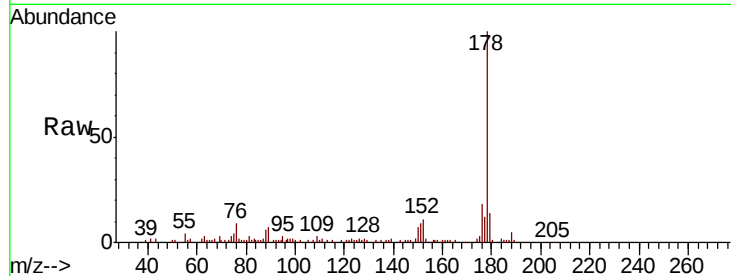
#71
Phenanthrene
Concen: 7.866 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF116994.D
Acq: 12 Sep 2019 16:15

Instrument :
BNA_F
ClientSampled :
BUS-3(0-3.5)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.7	23.5
179	14.3	12.0	18.0

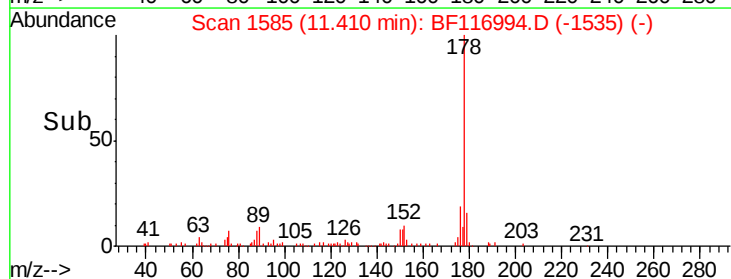
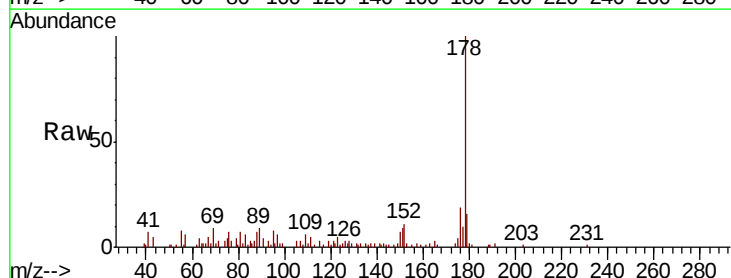
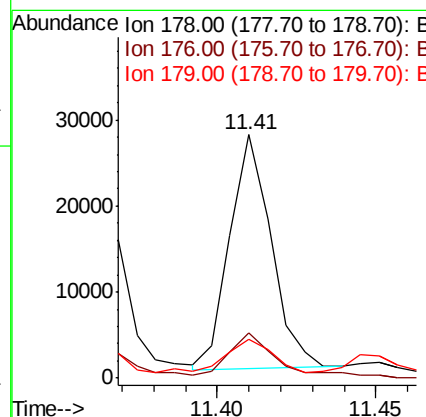
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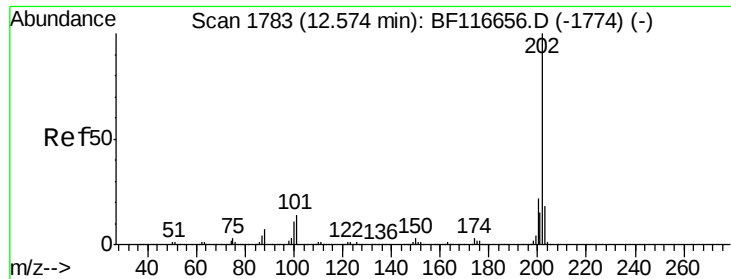
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#72
Anthracene
Concen: 2.631 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF116994.D
Acq: 12 Sep 2019 16:15

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.6
179	15.7	12.3	18.5





#75

Fluoranthene

Concen: 18.535 ng

RT: 12.55 min Scan# 1778

Delta R.T. -0.01 min

Lab File: BF116994.D

Acq: 12 Sep 2019 16:15

Instrument :

BNA_F

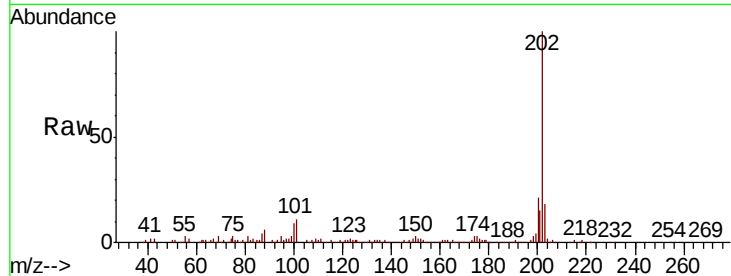
ClientSampleId :

BUS-3(0-3.5)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		169414		
101	11.1	0.0	32.0		
203	17.8	0.0	37.5		

Manual Integrations
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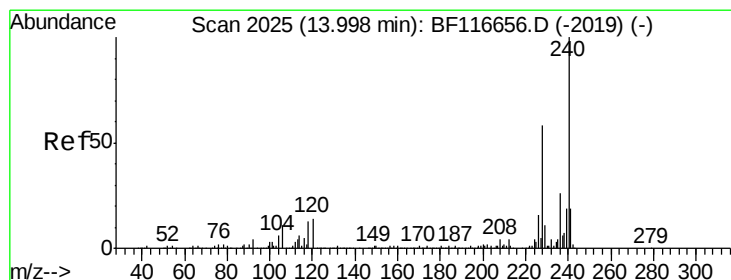
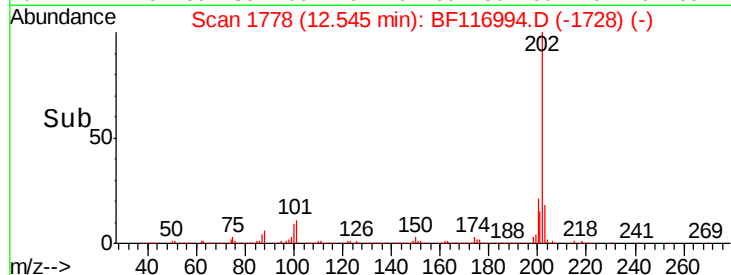
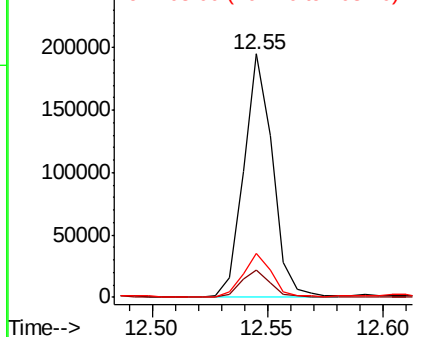


Abundance

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: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF116994.D

Acq: 12 Sep 2019 16:15

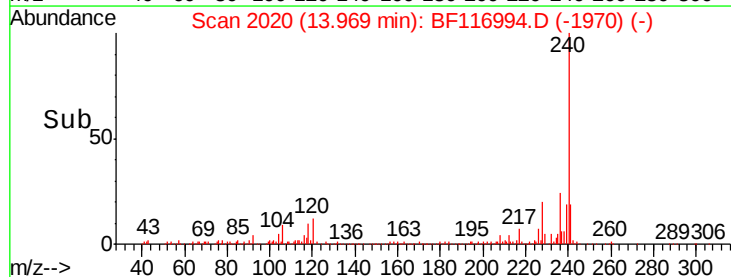
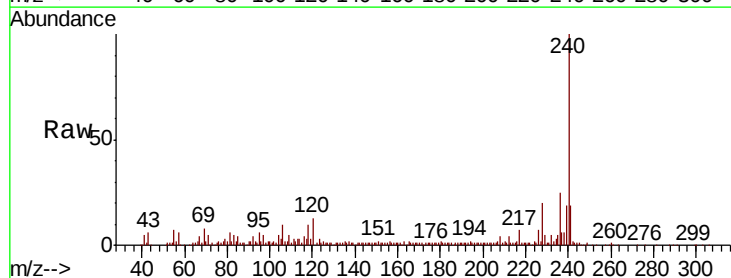
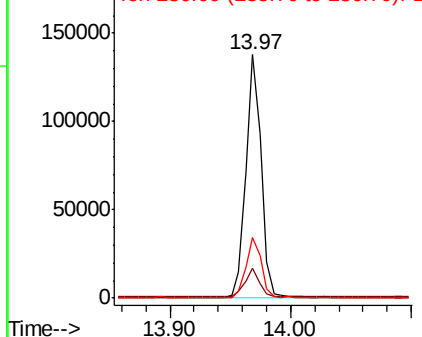
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		123391		
120	12.5	9.1	13.7		
236	24.7	20.9	31.3		

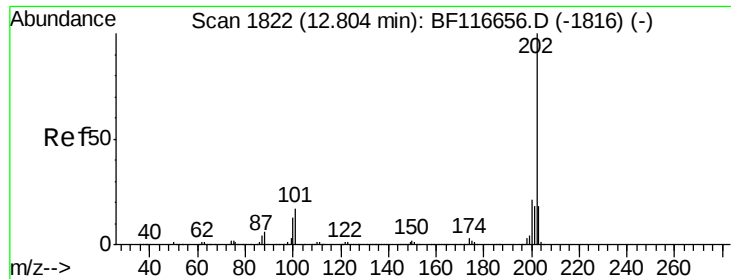
Abundance

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





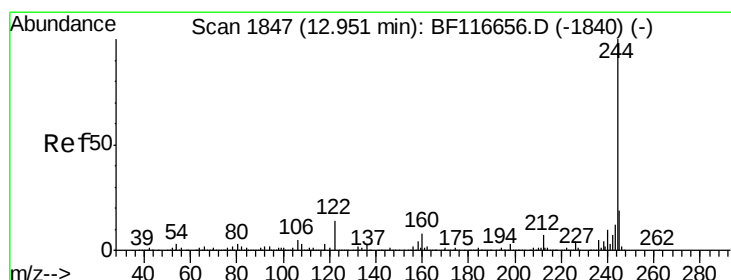
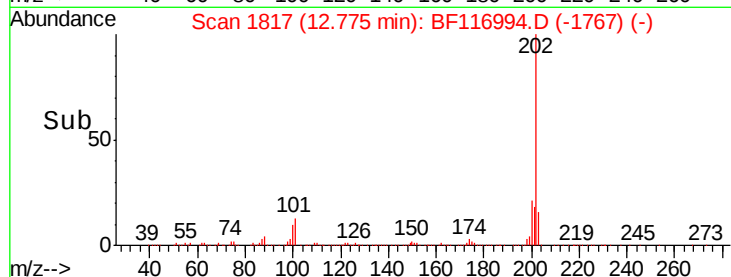
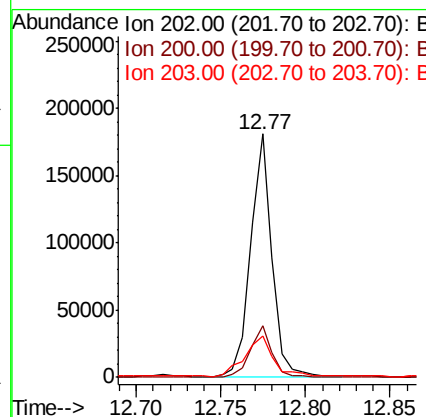
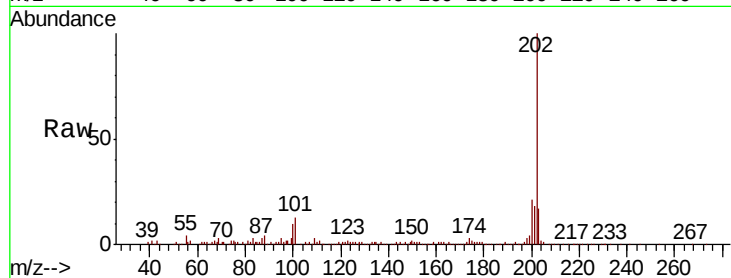
#78
Pvrene
Concen: 14.388 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.01 min
Lab File: BF116994.D
Acq: 12 Sep 2019 16:15

Instrument :
BNA_F
ClientSampleId :
BUS-3(0-3.5)

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.2	25.8
203	17.0	14.2	21.2

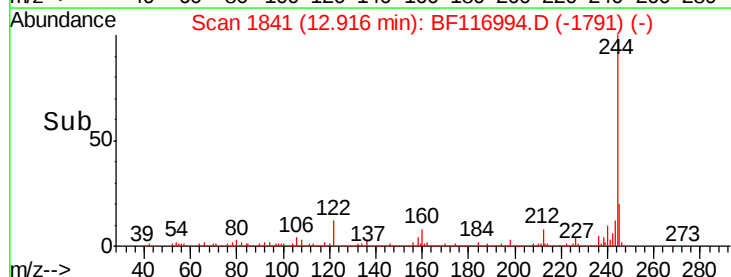
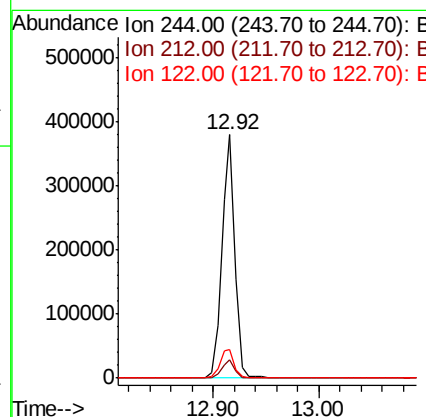
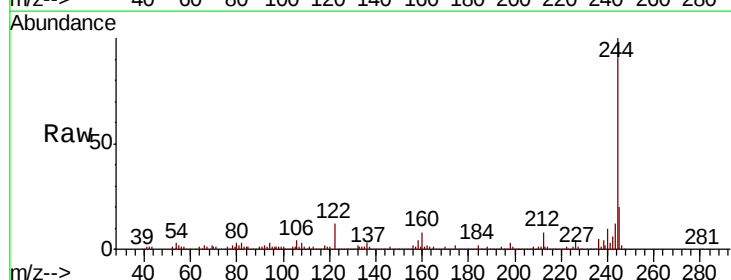
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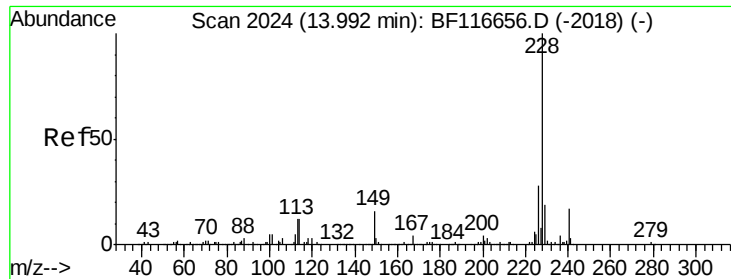
mohammad
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#79
Terphenyl-d14
Concen: 49.432 ng
RT: 12.92 min Scan# 1841
Delta R.T. -0.01 min
Lab File: BF116994.D
Acq: 12 Sep 2019 16:15

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.7	8.5
122	12.0	11.5	17.3





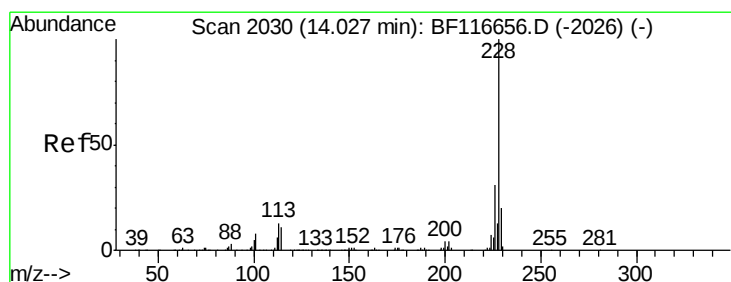
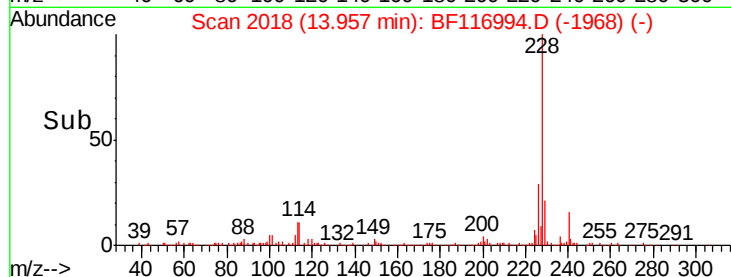
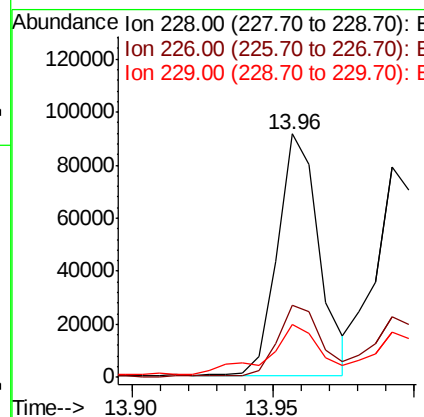
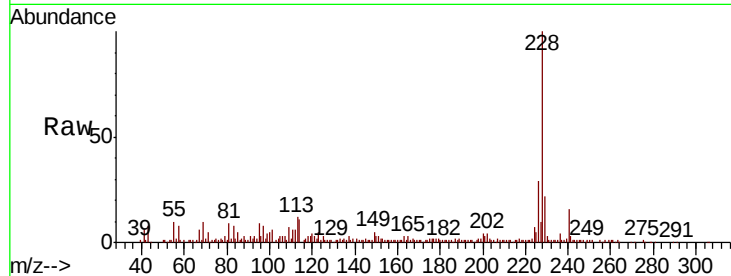
#81
Benzo(a)anthracene
Concen: 12.067 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF116994.D
Acq: 12 Sep 2019 16:15

Instrument :
BNA_F
ClientSampleId :
BUS-3(0-3.5)

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.3	33.5
229	21.5	15.8	23.8

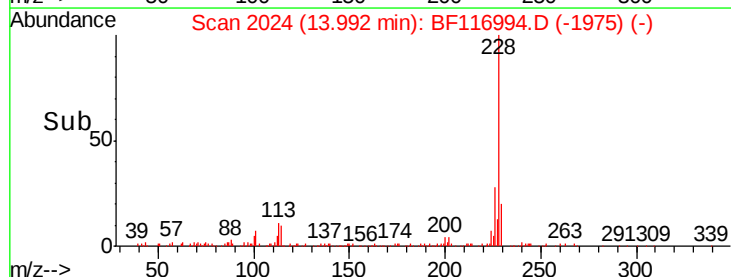
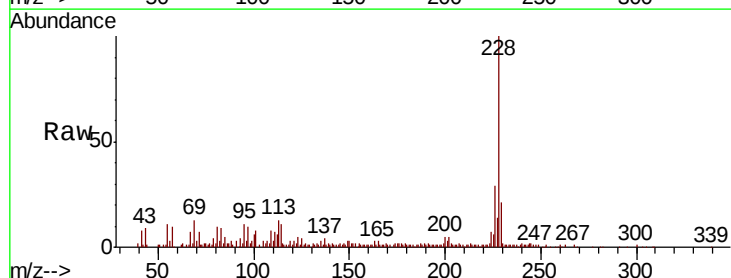
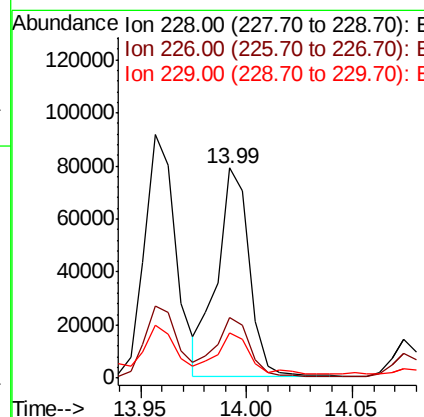
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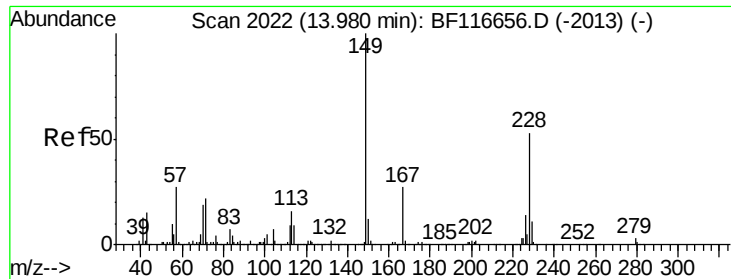
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#83
Chrysene
Concen: 10.384 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF116994.D
Acq: 12 Sep 2019 16:15

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	24.5	36.7
229	21.4	15.7	23.5





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.076 ng

RT: 13.95 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF116994.D

Acq: 12 Sep 2019 16:15

Instrument :

BNA_F

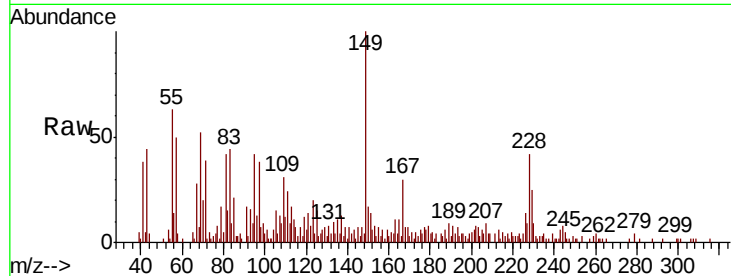
ClientSampleId :

BUS-3(0-3.5)

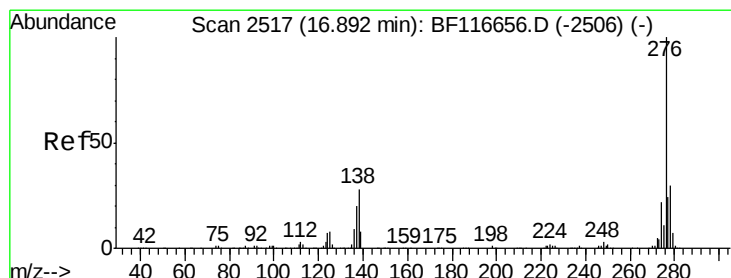
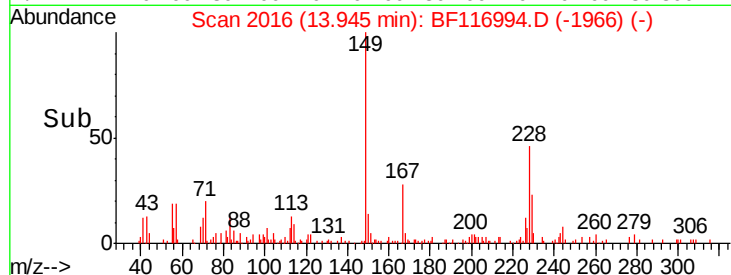
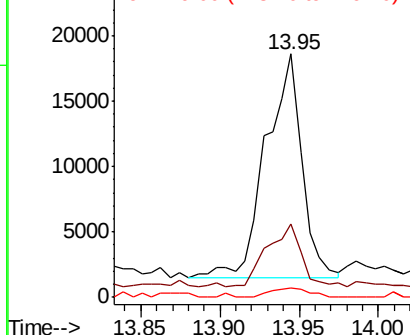
Tot Ion:	149	Resp:	26838
Ion Ratio	Lower	Upper	
149	100		
167	30.2	21.3	31.9
279	3.9	2.6	3.8#

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 7.669 ng

RT: 16.84 min Scan# 2509

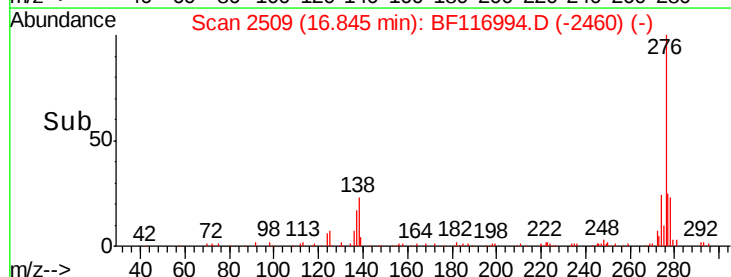
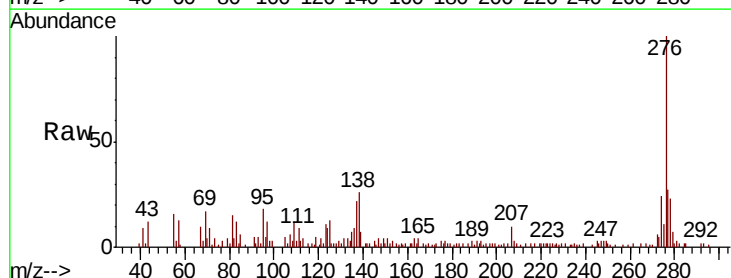
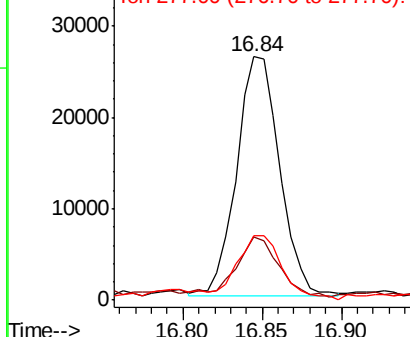
Delta R.T. -0.01 min

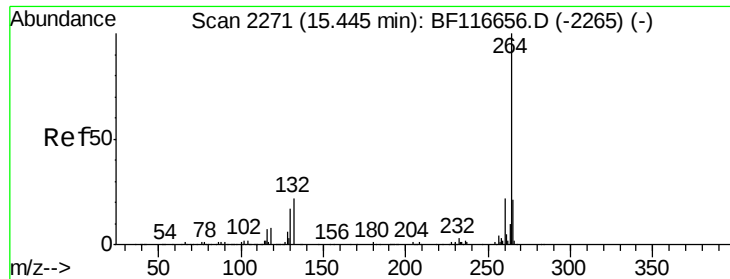
Lab File: BF116994.D

Acq: 12 Sep 2019 16:15

Tgt Ion:	276	Resp:	49559
Ion Ratio	Lower	Upper	
276	100		
138	24.5	20.6	31.0
277	28.5	19.9	29.9

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





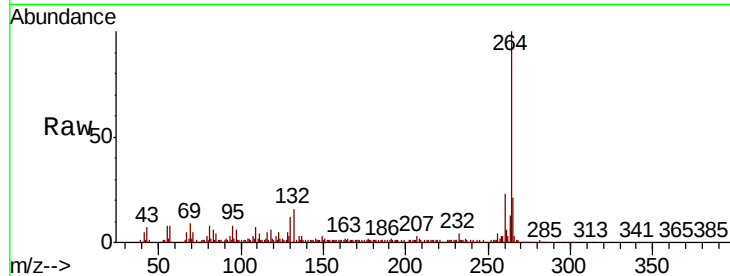
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2267
Delta R.T. 0.01 min
Lab File: BF116994.D
Acq: 12 Sep 2019 16:15

Instrument :
BNA_F
ClientSampleId :
BUS-3(0-3.5)

Tot Ion:	264	Resp:	145114
Ion Ratio	Lower	Upper	
264	100		
260	23.4	19.0	28.4
265	21.4	17.9	26.9

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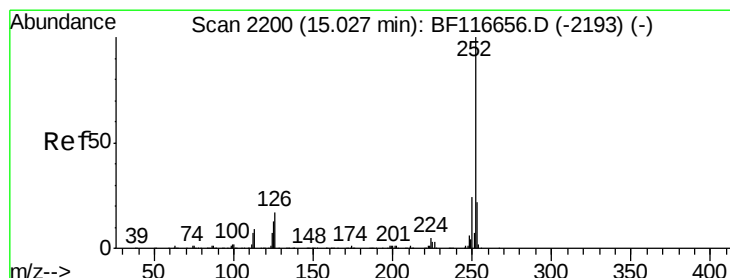
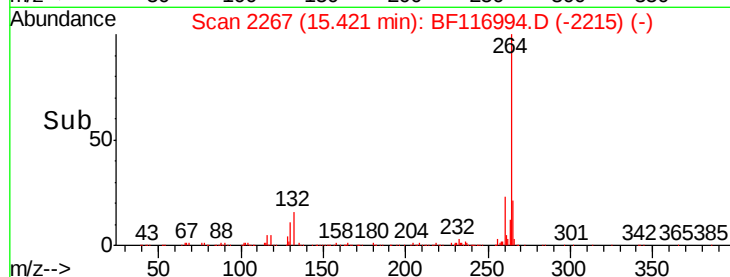
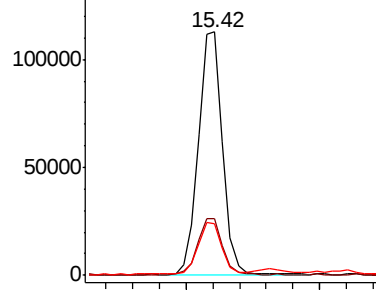


Abundance

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: 14.465 ng m
RT: 15.00 min Scan# 2195
Delta R.T. -0.01 min
Lab File: BF116994.D
Acq: 12 Sep 2019 16:15

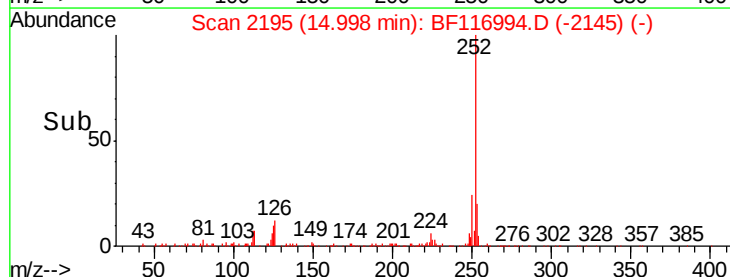
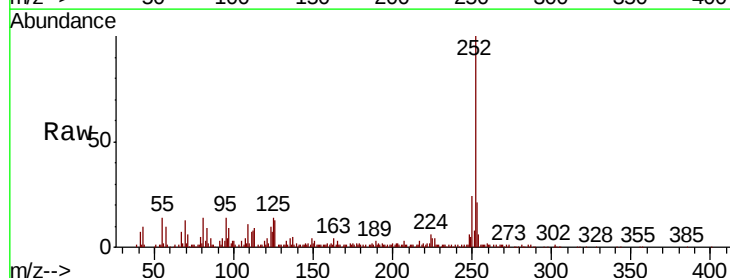
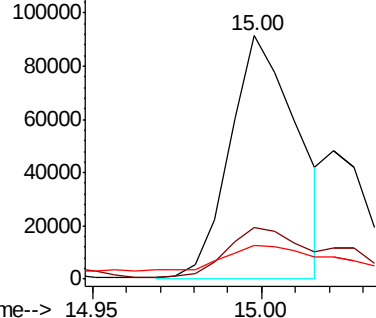
Tgt Ion:	252	Resp:	126907
Ion Ratio	Lower	Upper	
252	100		
253	20.9	17.5	26.3
125	14.1	8.3	12.5#

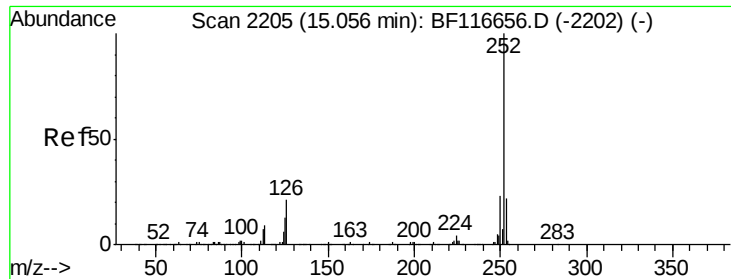
Abundance

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





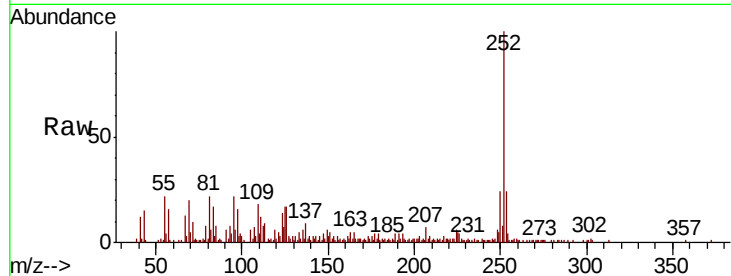
#89
Benzo(k)fluoranthene
Concen: 5.259 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF116994.D
Acq: 12 Sep 2019 16:15

Instrument :
BNA_F
ClientSampleId :
BUS-3(0-3.5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	16.8	25.2
125	16.9	7.6	11.4

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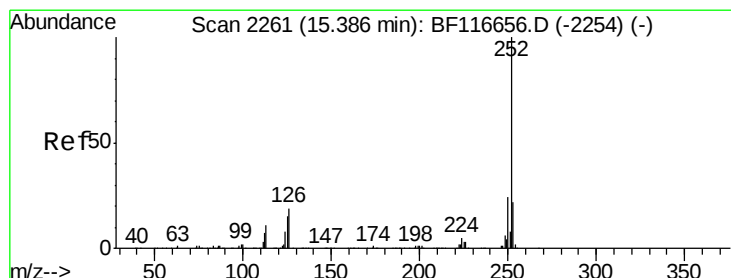
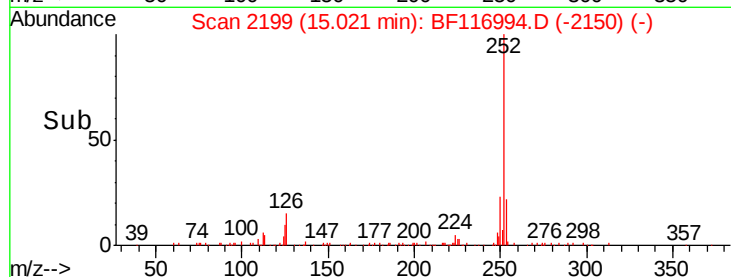
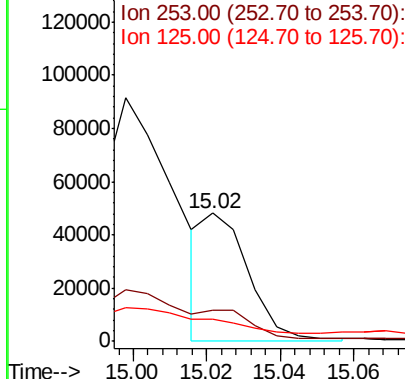


Abundance

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: 11.985 ng
RT: 15.36 min Scan# 2256
Delta R.T. 0.00 min
Lab File: BF116994.D
Acq: 12 Sep 2019 16:15

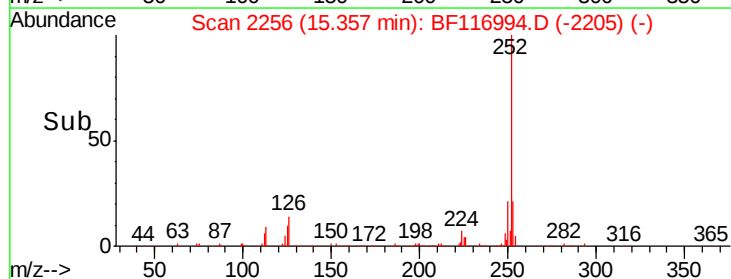
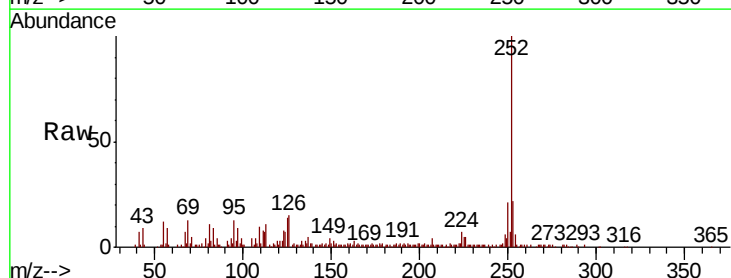
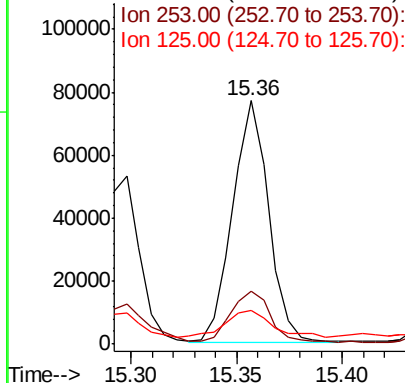
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	13.9	10.2	15.2

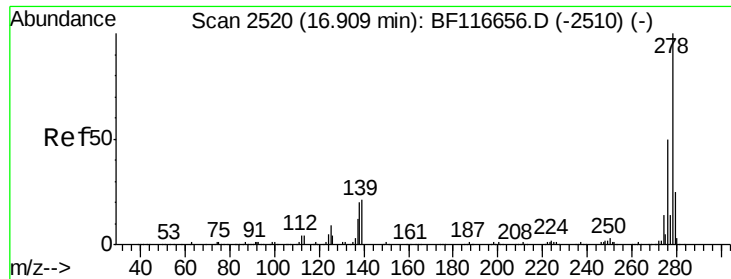
Abundance

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





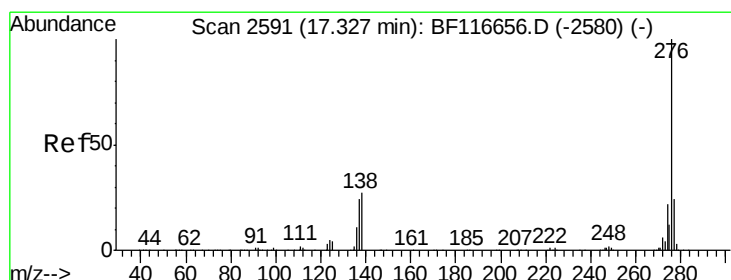
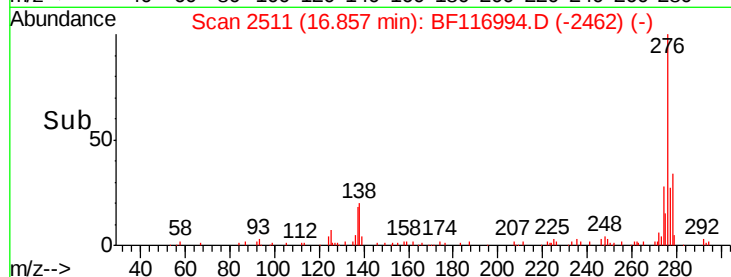
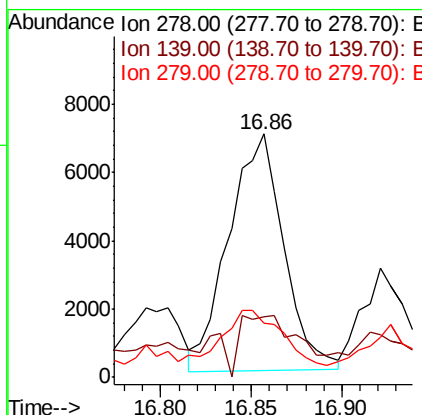
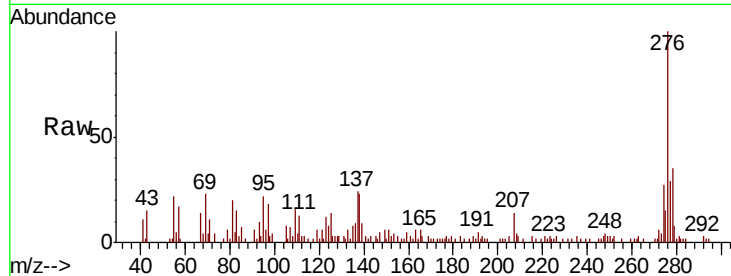
#91
Dibenzo(a,h)anthracene
Concen: 2.192 ng
RT: 16.86 min Scan# 2511
Delta R.T. -0.01 min
Lab File: BF116994.D
Acq: 12 Sep 2019 16:15

Instrument :
BNA_F
ClientSampleId :
BUS-3(0-3.5)

Tot Ion	Ratio	Lower	Upper
278	100		
139	24.9	13.1	19.7#
279	22.3	18.6	27.8

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#92
Benzo(g,h,i)perylene
Concen: 7.123 ng
RT: 17.28 min Scan# 2583
Delta R.T. -0.01 min
Lab File: BF116994.D
Acq: 12 Sep 2019 16:15

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.0	28.6
138	24.4	18.7	28.1

