

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091319\
 Data File : BF117042.D
 Acq On : 14 Sep 2019 00:12
 Operator : HP/JU
 Sample : K4668-04 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-091219

Manual Integrations
 APPROVED

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 9/16/2019 3:29:44 PM

Quant Time: Sep 14 06:12:31 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	74060	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	298337	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	144069	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	196900	20.00	ng	0.00
76) Chrysene-d12	13.97	240	135435	20.00	ng	0.00
87) Perylene-d12	15.41	264	124845	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	217037	45.75	ng	0.00
7) Phenol-d6	6.45	99	312860	51.03	ng	0.00
23) Nitrobenzene-d5	7.38	82	184962	32.58	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	53268	44.24	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	348965	37.87	ng	0.00
79) Terphenyl-d14	12.91	244	234117	32.31	ng	0.00

Target Compounds				Qvalue		
50) Dimethylphthalate	9.56	163	21559	2.113	ng	# 97
52) Acenaphthene	9.88	154	19797	2.500	ng	94
58) Fluorene	10.40	166	29080	3.089	ng	# 96
71) Phenanthrene	11.36	178	215829	19.298	ng	99
72) Anthracene	11.41	178	64039	5.609	ng	94
75) Fluoranthene	12.54	202	269716	23.471	ng	96
78) Pyrene	12.77	202	230208	20.258	ng	99
81) Benzo(a)anthracene	13.96	228	112637	12.448	ng	99
83) Chrysene	13.99	228	100257	11.360	ng	98
86) Indeno(1,2,3-cd)pyrene	16.84	276	37078	5.759	ng	95
88) Benzo(b)fluoranthene	14.99	252	110711m	14.640	ng	
89) Benzo(k)fluoranthene	15.02	252	42792m	5.974	ng	
90) Benzo(a)pyrene	15.35	252	77063	11.613	ng	95
91) Dibenzo(a,h)anthracene	16.85	278	13388	2.532	ng	# 81
92) Benzo(a,h,i)perylene	17.27	276	39966	7.587	ng	96

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

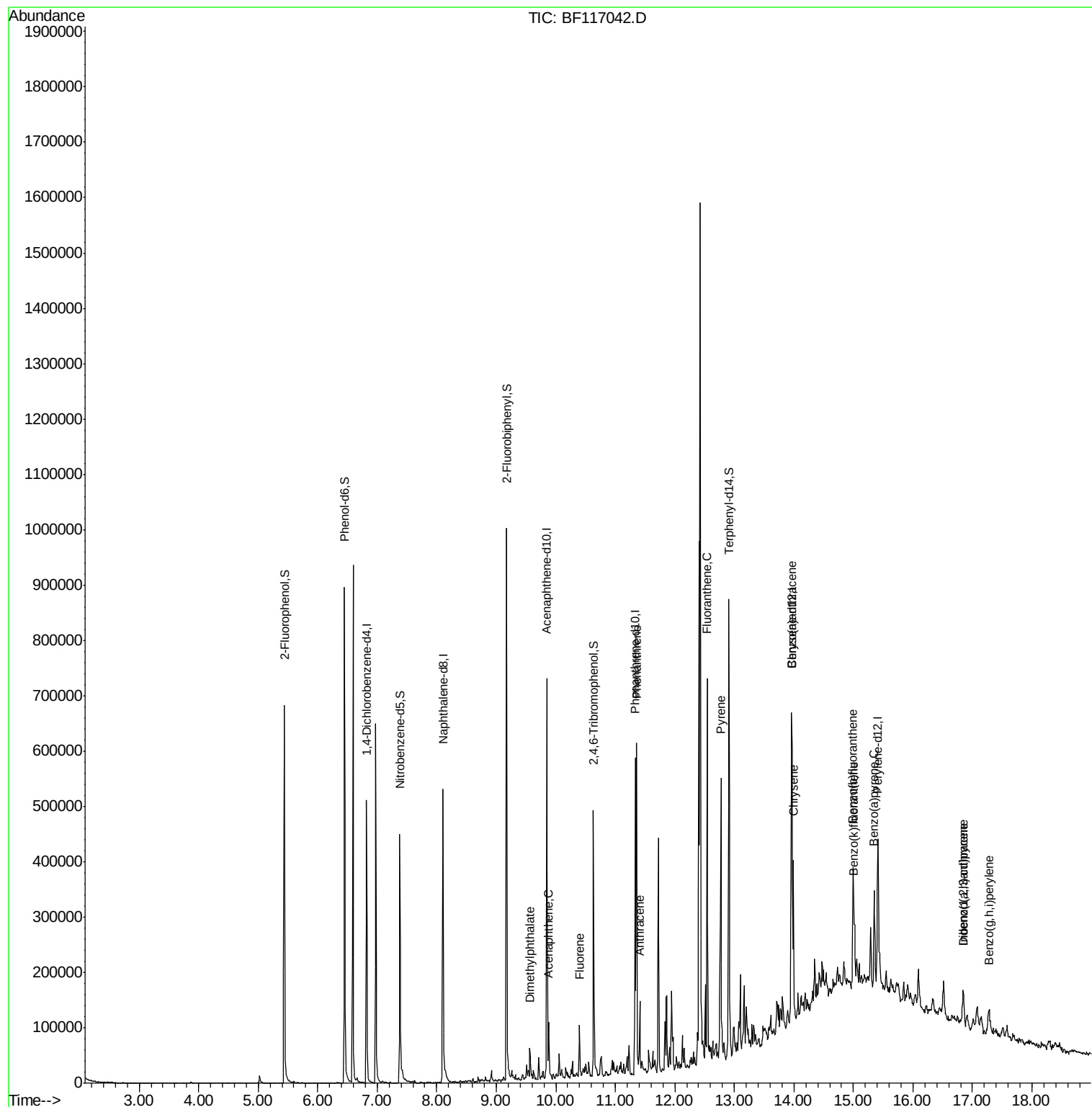
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091319\
Data File : BF117042.D
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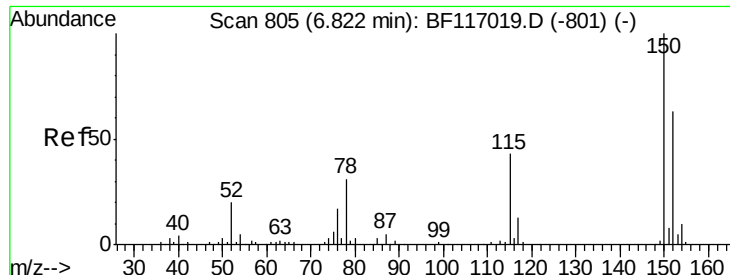
Instrument :
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ClientSampleId :
SU-02-091219

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

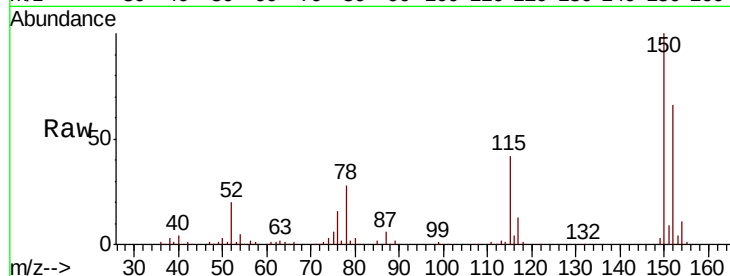
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF117042.D
Acq: 14 Sep 2019 00:12

Instrument :
BNA_F
ClientSampleId :
SU-02-091219

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.5	127.5	191.3
115	64.0	55.0	82.4

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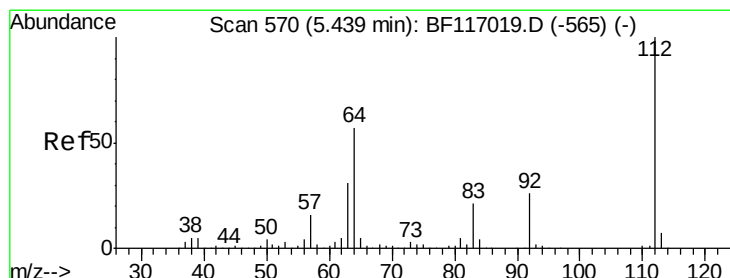
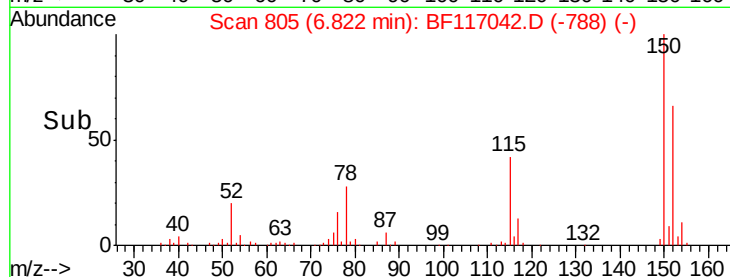
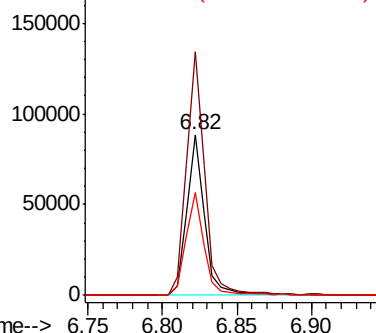


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

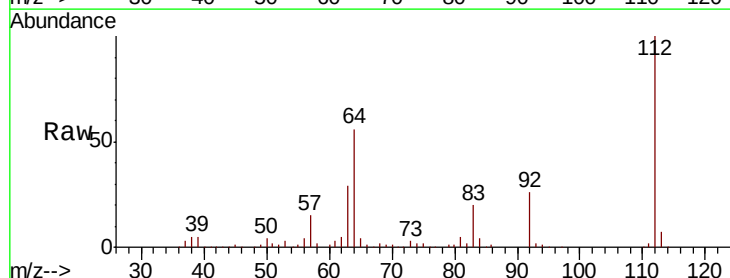
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 45.753 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.00 min
Lab File: BF117042.D
Acq: 14 Sep 2019 00:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.8	45.7	68.5
63	28.5	24.9	37.3

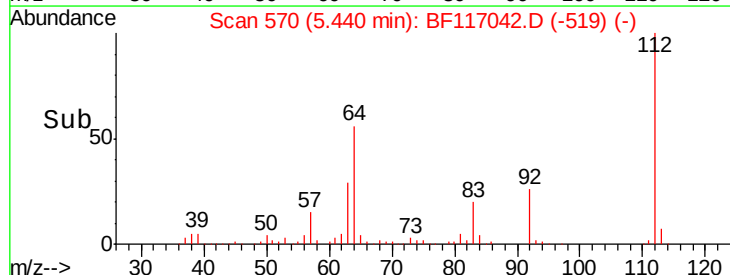
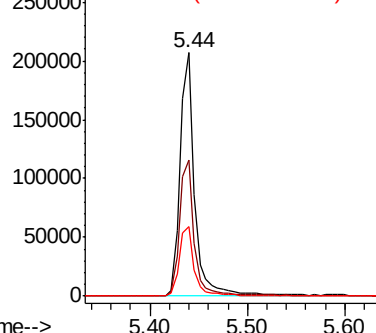


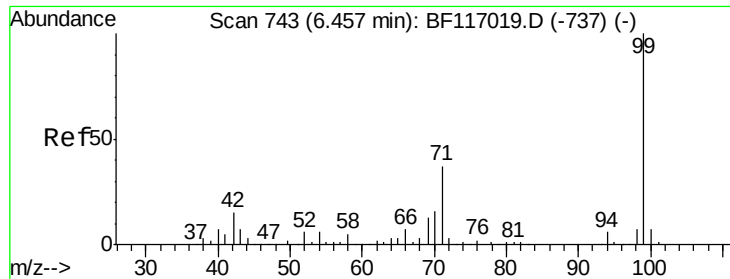
Abundance

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: 51.033 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF117042.D

Acq: 14 Sep 2019 00:12

Instrument :

BNA_F

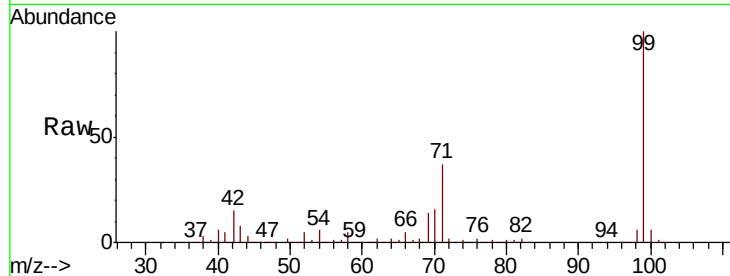
ClientSampleId :

SU-02-091219

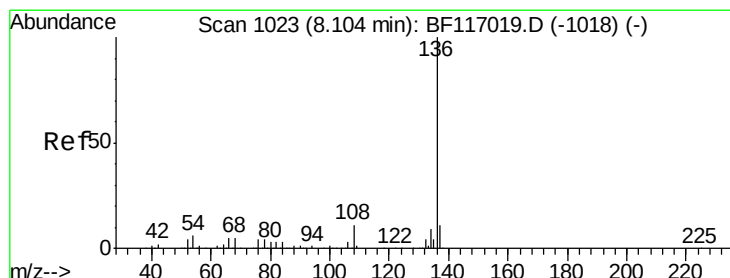
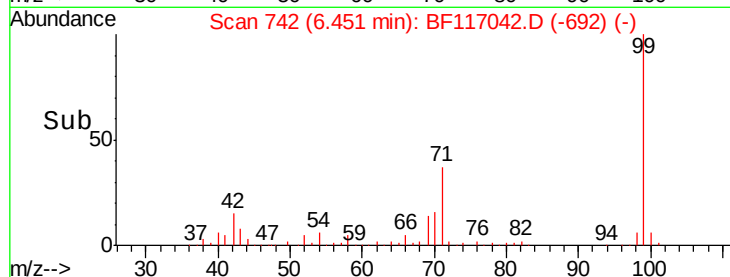
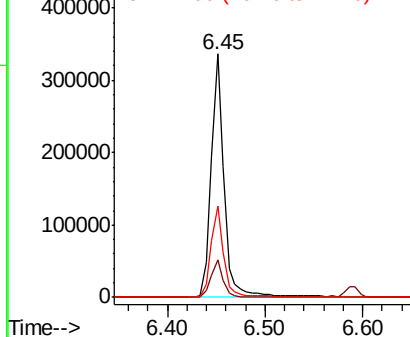
Tot Ion:	99	Resp:	312860
Ion	Ratio	Lower	Upper
99	100		
42	15.4	12.2	18.2
71	37.4	29.8	44.8

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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: 8.10 min Scan# 1023

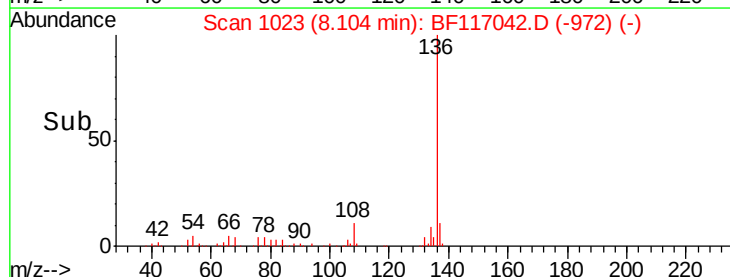
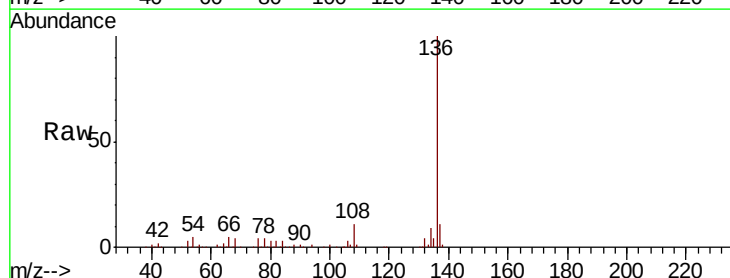
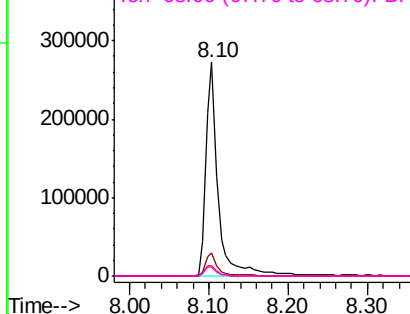
Delta R.T. 0.00 min

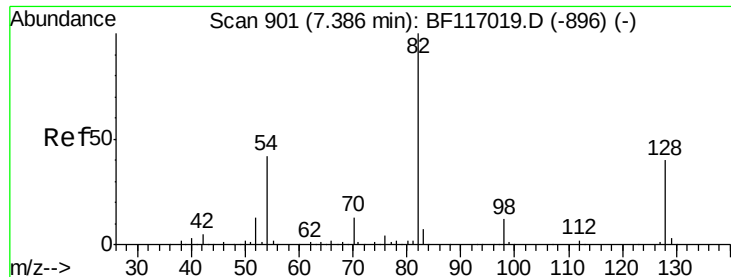
Lab File: BF117042.D

Acq: 14 Sep 2019 00:12

Tgt Ion:	136	Resp:	298337
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.0	13.4
54	5.0	4.5	6.7
68	4.2	4.0	6.0

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





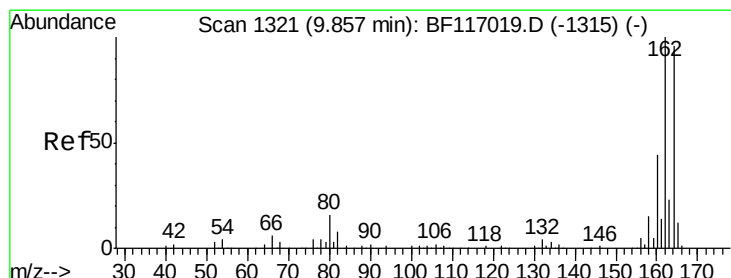
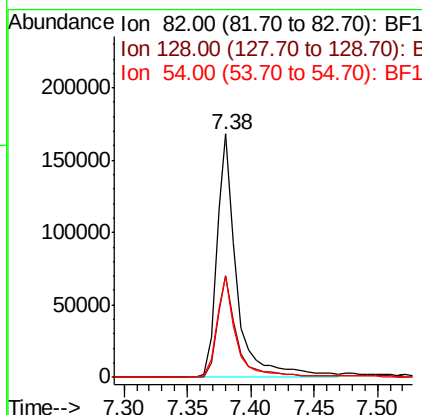
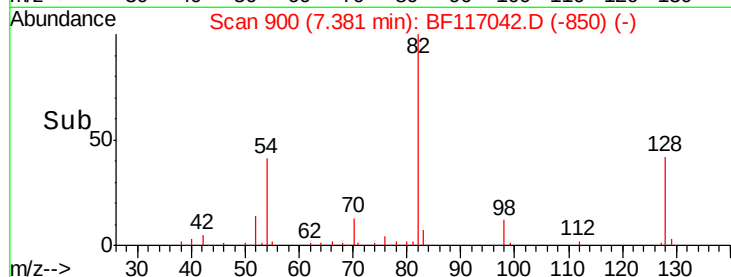
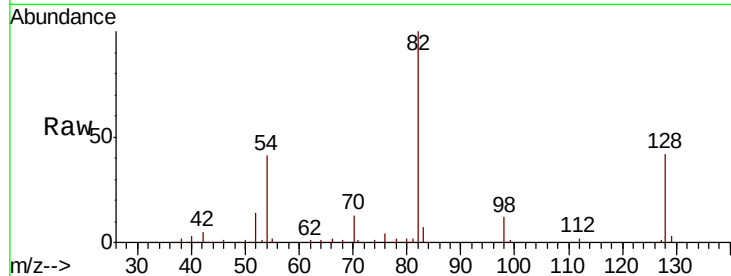
#23
 Nitrobenzene-d5
 Concen: 32.575 ng
 RT: 7.38 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: BF117042.D
 Acq: 14 Sep 2019 00:12

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-091219

Tot Ion	82	Resp	184962
Ion Ratio	Lower	Upper	
82	100		
128	41.8	32.3	48.5
54	41.5	33.3	49.9

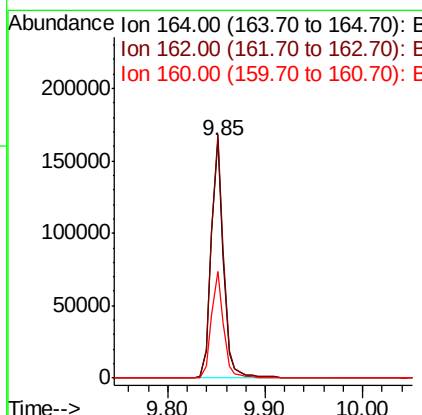
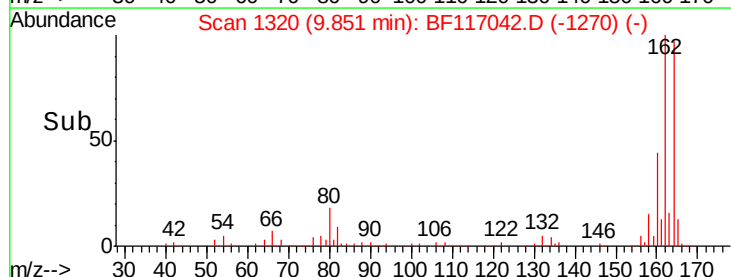
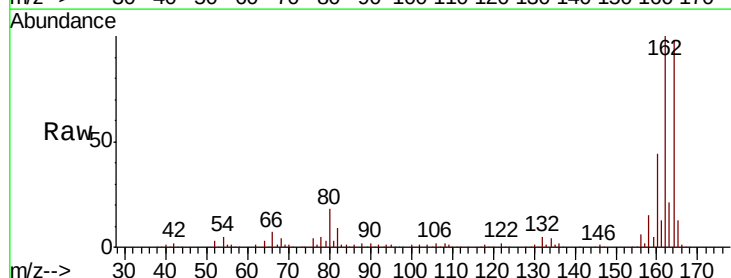
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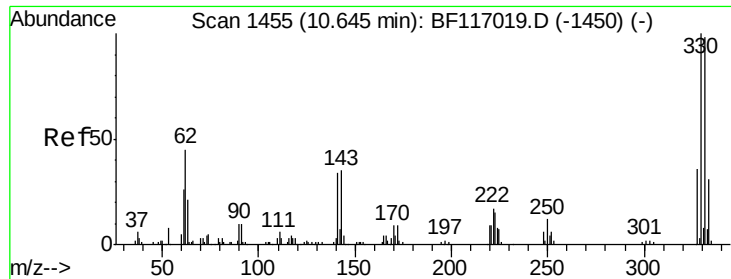
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: BF117042.D
 Acq: 14 Sep 2019 00:12

Tgt Ion	164	Resp	144069
Ion Ratio	Lower	Upper	
164	100		
162	102.3	83.4	125.2
160	45.1	36.4	54.6





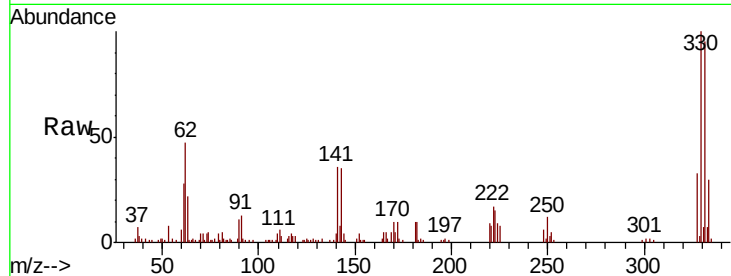
#42
 2,4,6-Tribromophenol
 Concen: 44.239 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF117042.D
 Acq: 14 Sep 2019 00:12

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-091219

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.8	78.0	117.0
141	48.3	35.8	53.6

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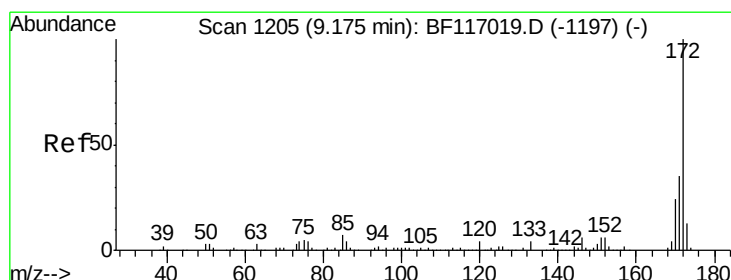
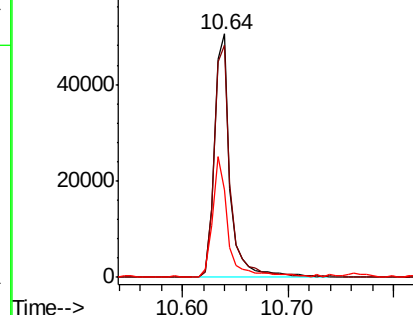
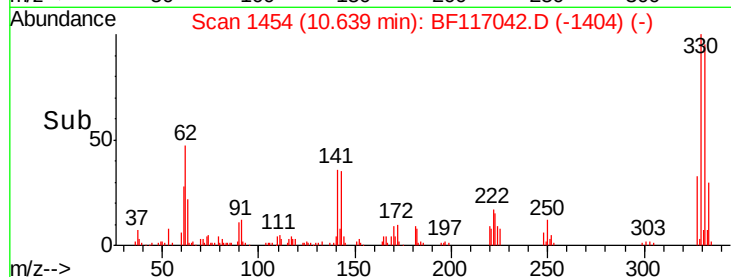


Abundance

Ion 329.80 (329.50 to 330.50): E

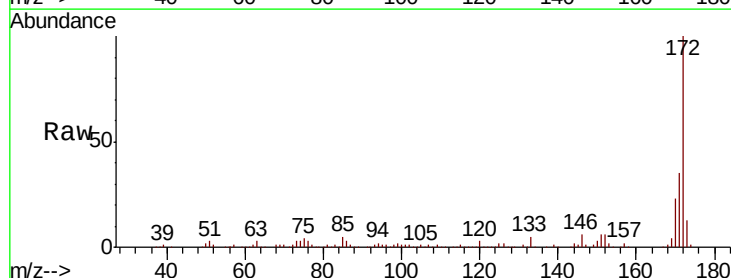
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 37.873 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BF117042.D
 Acq: 14 Sep 2019 00:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.2	42.2
170	23.3	18.9	28.3

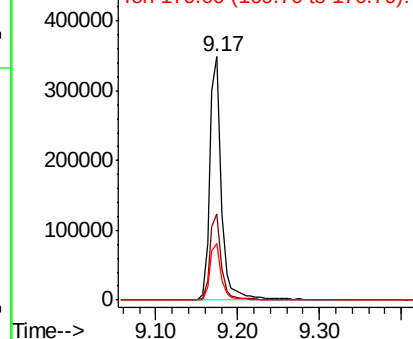
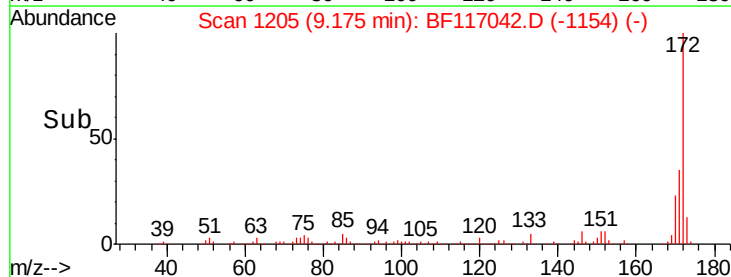


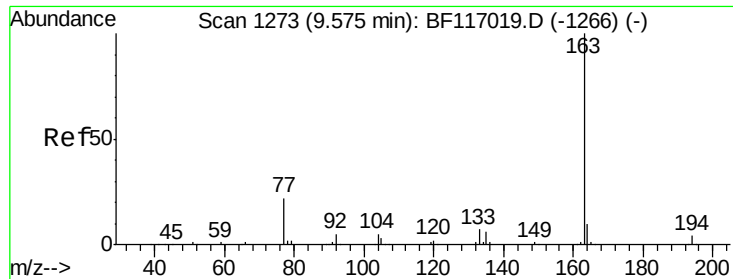
Abundance

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





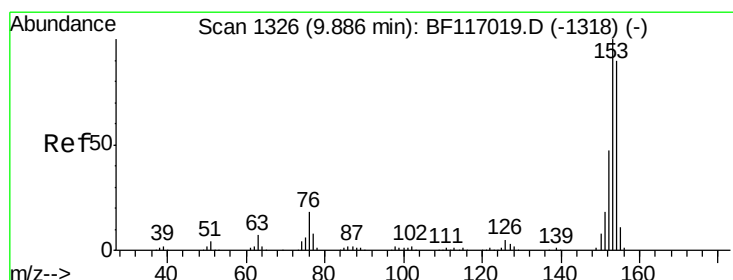
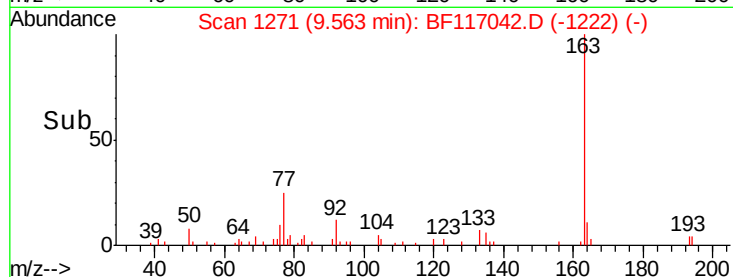
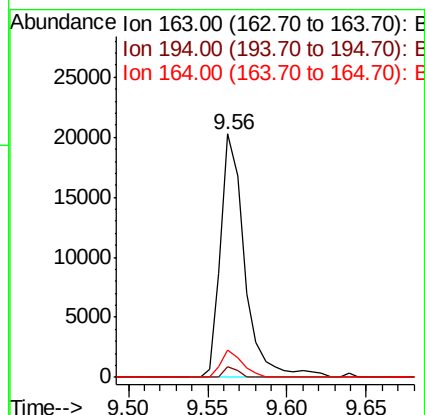
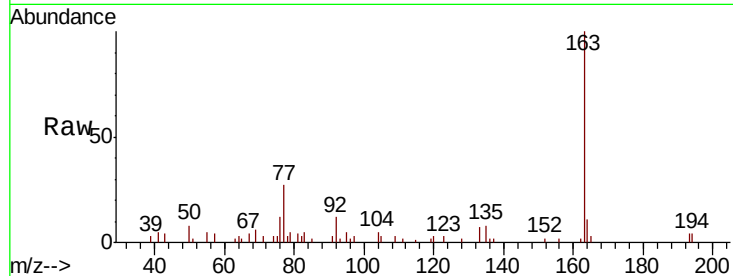
#50
Dimethylphthalate
Concen: 2.113 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF117042.D
Acq: 14 Sep 2019 00:12

Instrument :
BNA_F
ClientSampled :
SU-02-091219

Tot Ion	Ratio	Resp	Lower	Upper
163	100	21559		
194	4.3		2.9	4.3#
164	11.4		8.2	12.4

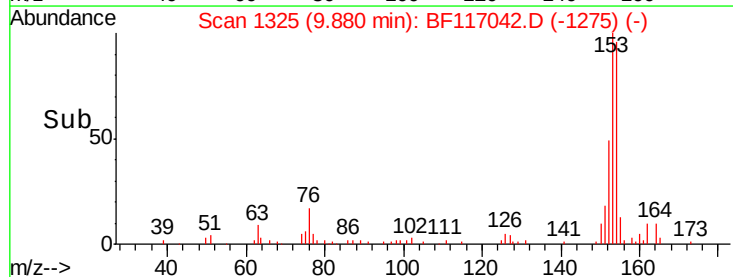
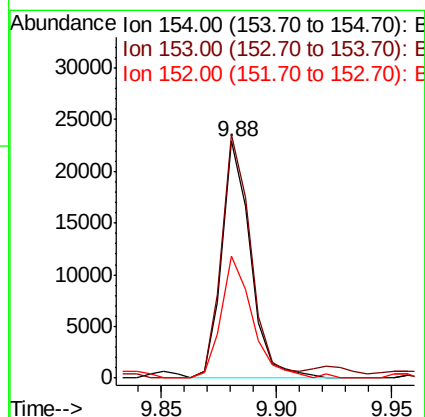
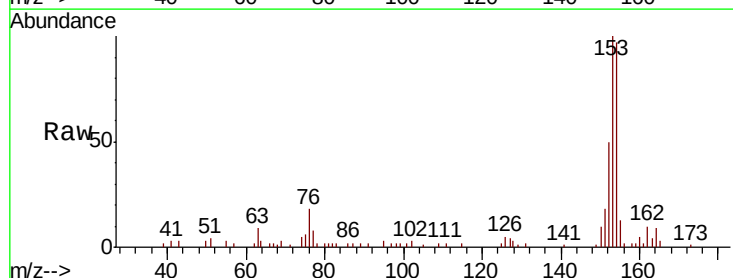
Manual Integrations
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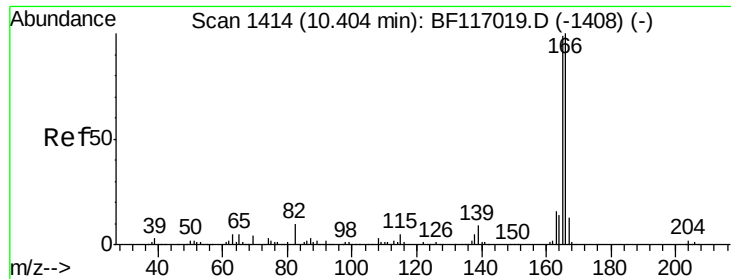
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#52
Acenaphthene
Concen: 2.500 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF117042.D
Acq: 14 Sep 2019 00:12

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	19797		
153	102.9		89.0	133.6
152	51.7		41.9	62.9





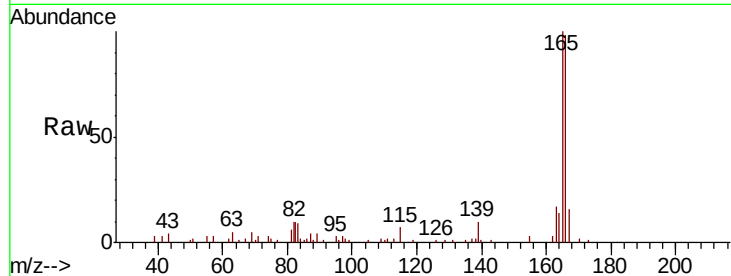
#58
 Fluorene
 Concen: 3.089 ng
 RT: 10.40 min Scan# 1413
 Delta R.T. -0.01 min
 Lab File: BF117042.D
 Acq: 14 Sep 2019 00:12

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-091219

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100				
165	102.2	78.9	118.3		
167	16.4	10.6	15.8#		

Manual Integrations
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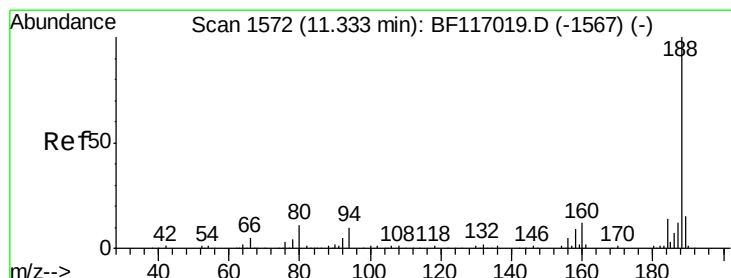
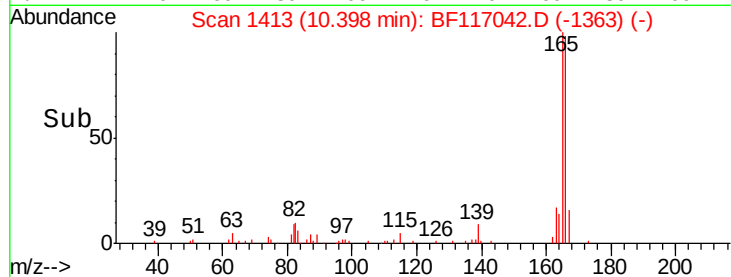
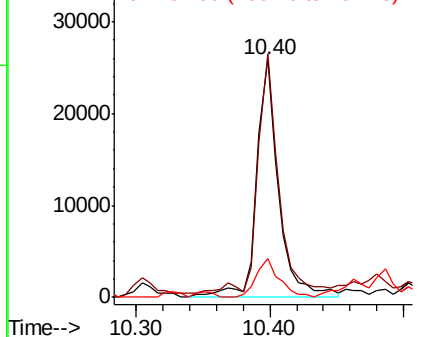


Abundance

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: 11.33 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: BF117042.D
 Acq: 14 Sep 2019 00:12

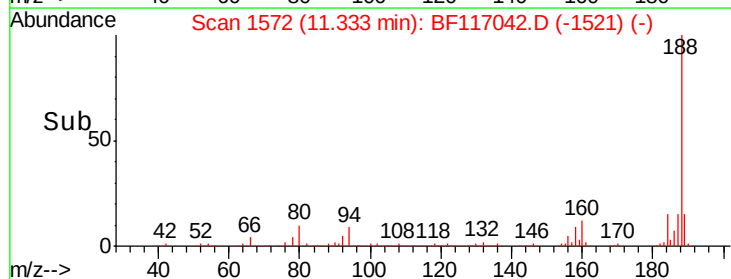
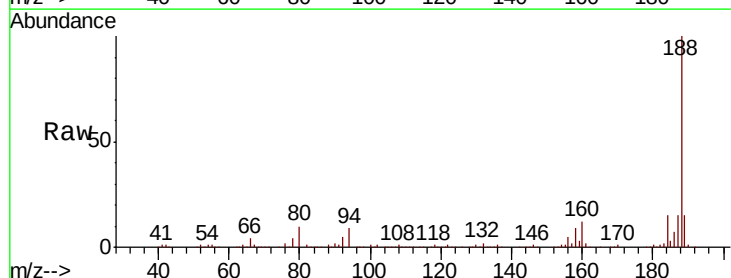
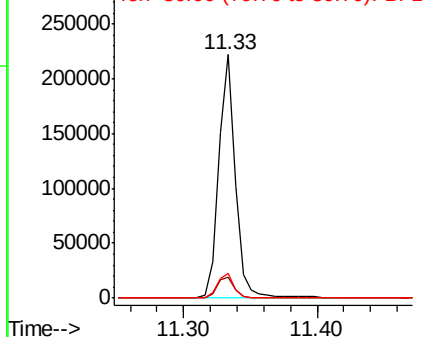
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	8.8	8.2	12.2		
80	10.0	9.0	13.6		

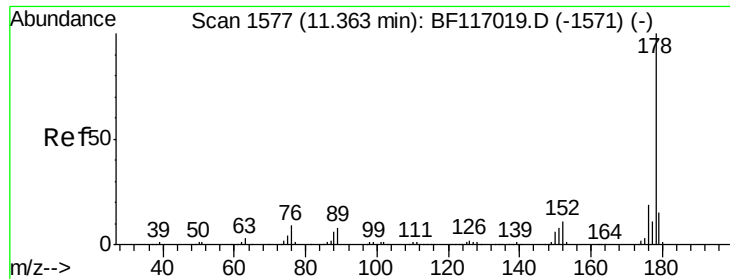
Abundance

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





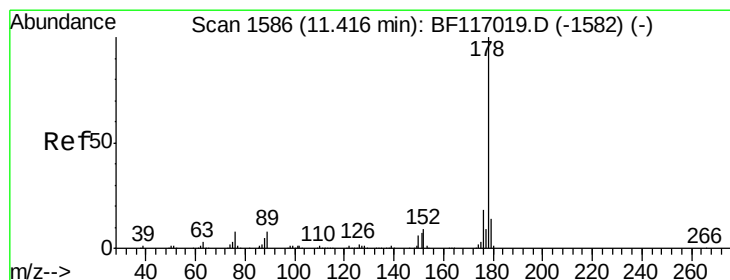
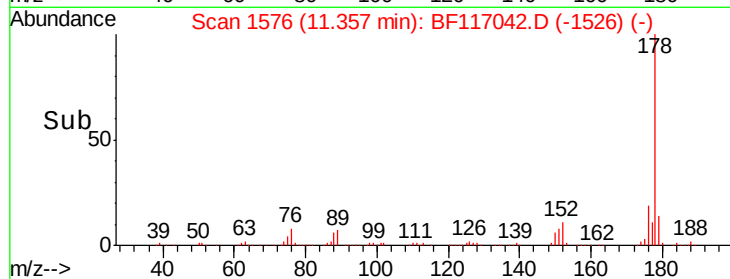
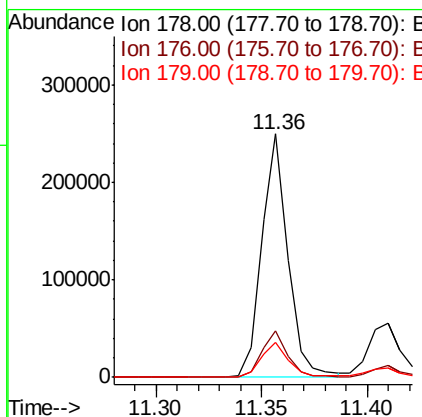
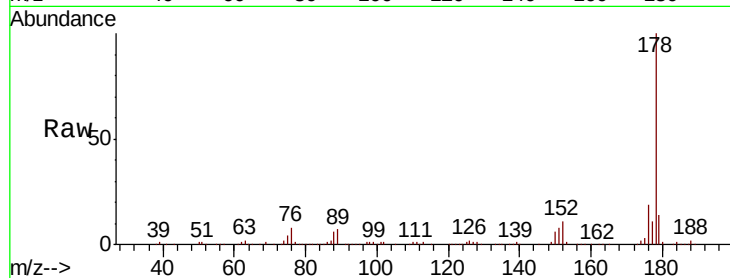
#71
Phenanthrene
Concen: 19.298 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF117042.D
Acq: 14 Sep 2019 00:12

Instrument :
BNA_F
ClientSampled :
SU-02-091219

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	14.5	12.4	18.6

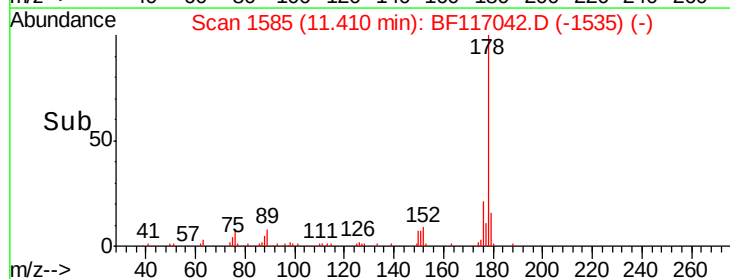
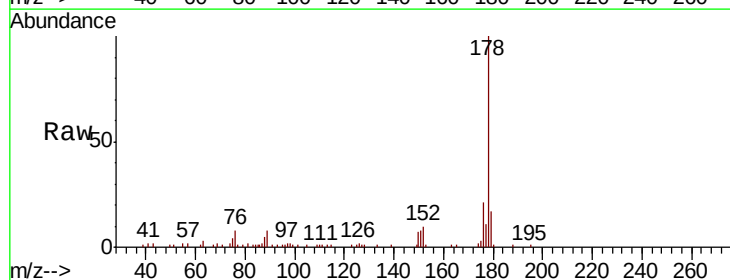
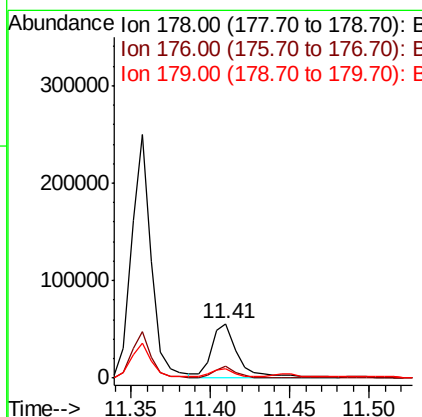
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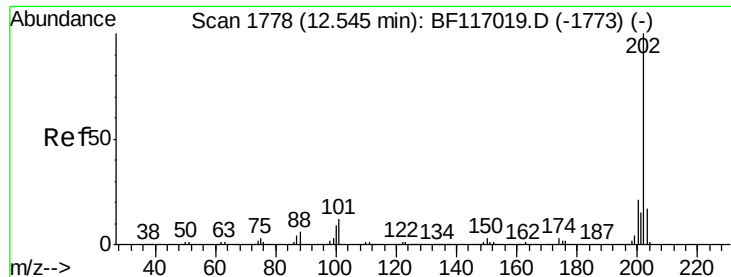
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#72
Anthracene
Concen: 5.609 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF117042.D
Acq: 14 Sep 2019 00:12

Tgt Ion	Ratio	Lower	Upper
178	100		
176	21.1	14.6	21.8
179	16.9	11.6	17.4





#75

Fluoranthene

Concen: 23.471 ng

RT: 12.54 min Scan# 1778

Delta R.T. 0.00 min

Lab File: BF117042.D

Acq: 14 Sep 2019 00:12

Instrument :

BNA_F

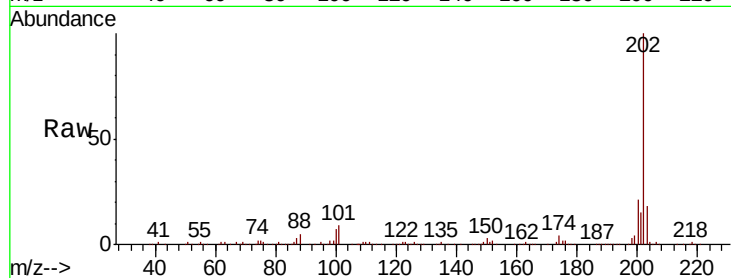
ClientSampleId :

SU-02-091219

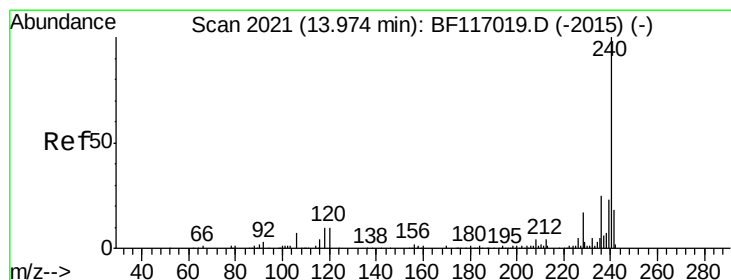
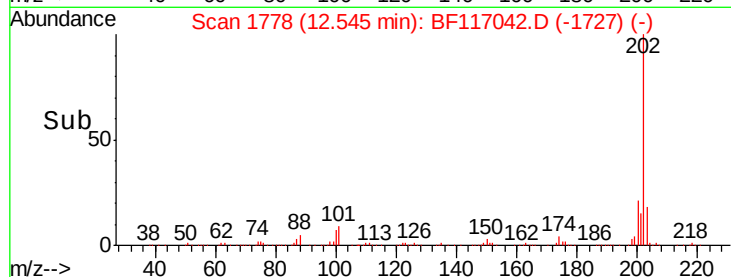
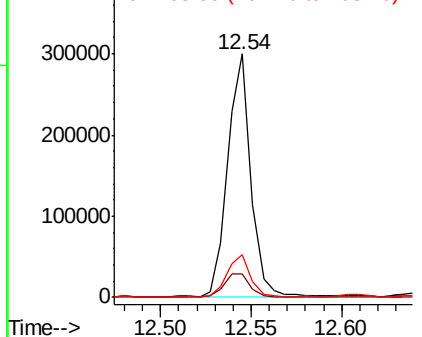
Tot Ion	Ratio	Resp	Lower	Upper
202	100	269716		
101	9.5	0.0	32.3	
203	17.7	0.0	37.1	

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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

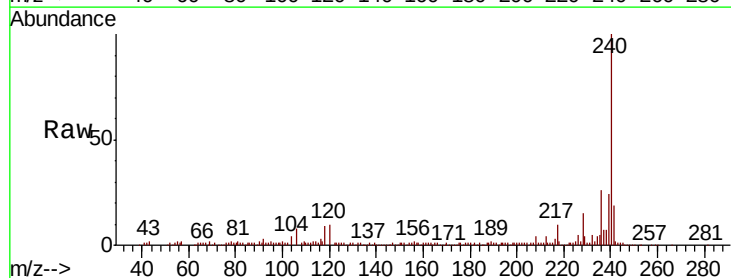
RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

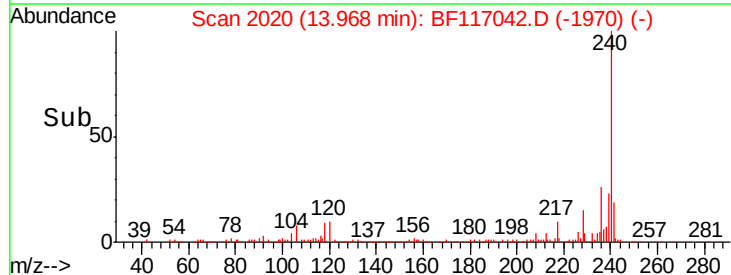
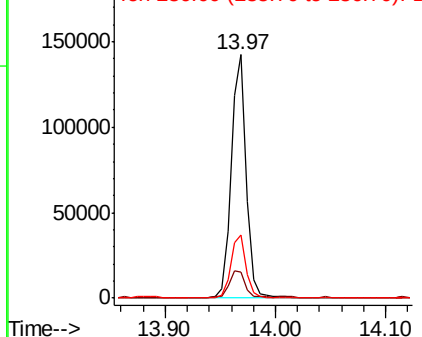
Lab File: BF117042.D

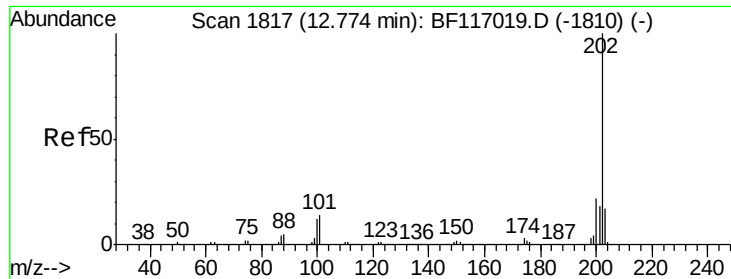
Acq: 14 Sep 2019 00:12

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	135435		
120	10.5	8.3	12.5	
236	26.2	20.3	30.5	



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





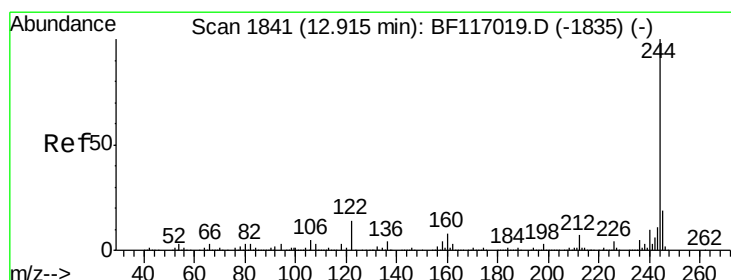
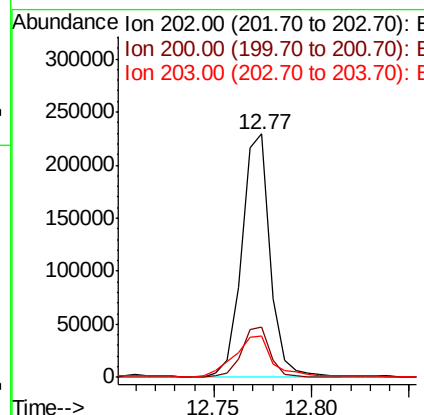
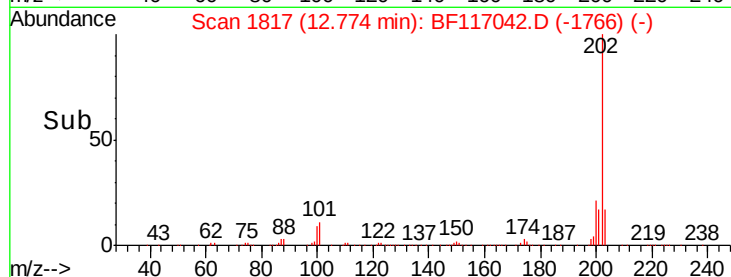
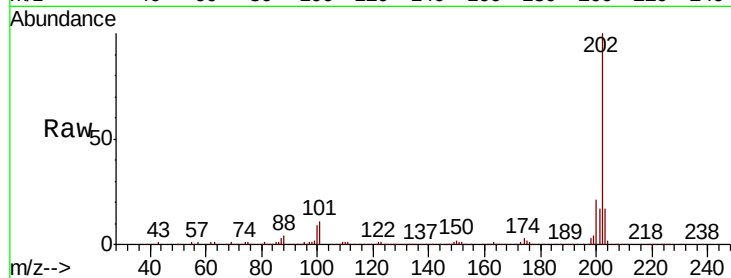
#78
Pvrene
Concen: 20.258 ng
RT: 12.77 min Scan# 1817
Delta R.T. 0.00 min
Lab File: BF117042.D
Acq: 14 Sep 2019 00:12

Instrument :
BNA_F
ClientSampleId :
SU-02-091219

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.8	17.2	25.8
203	17.0	14.0	21.0

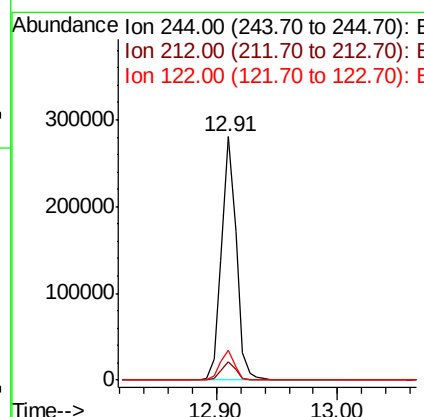
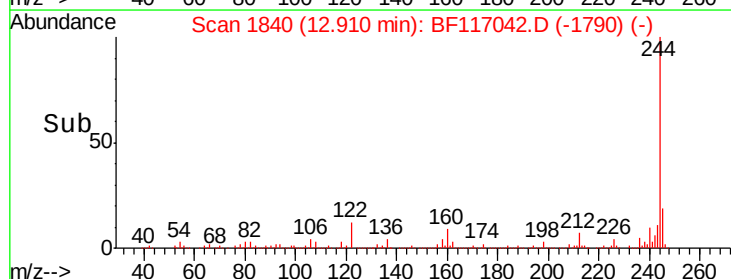
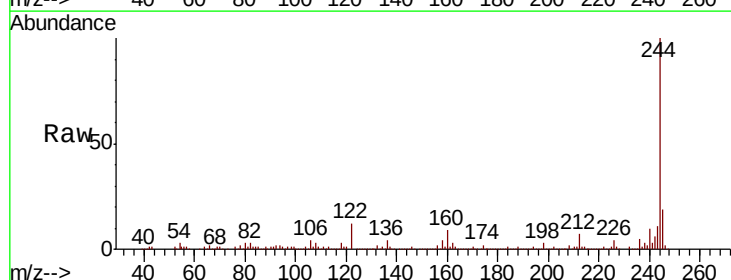
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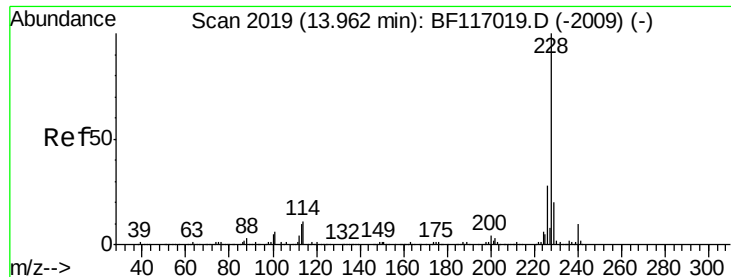
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#79
Terphenyl-d14
Concen: 32.312 ng
RT: 12.91 min Scan# 1840
Delta R.T. -0.01 min
Lab File: BF117042.D
Acq: 14 Sep 2019 00:12

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.5	5.8	8.8
122	12.4	11.3	16.9





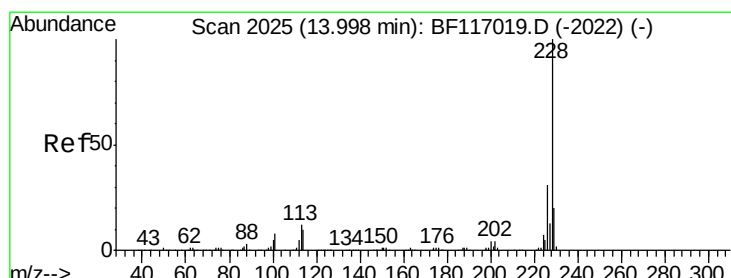
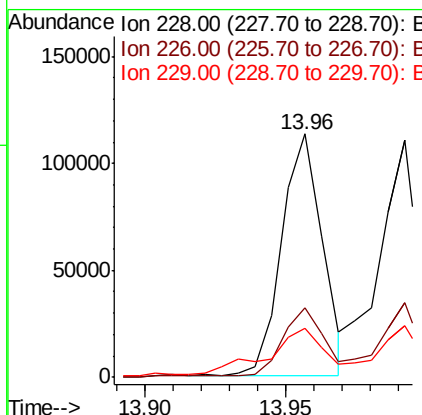
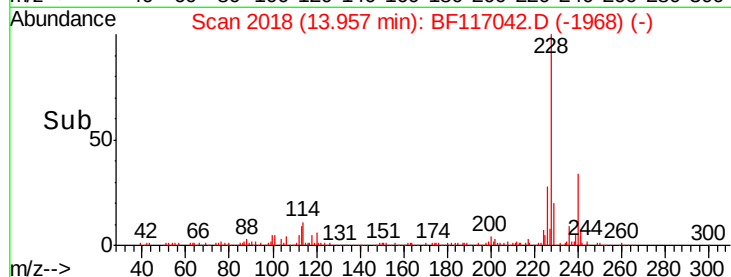
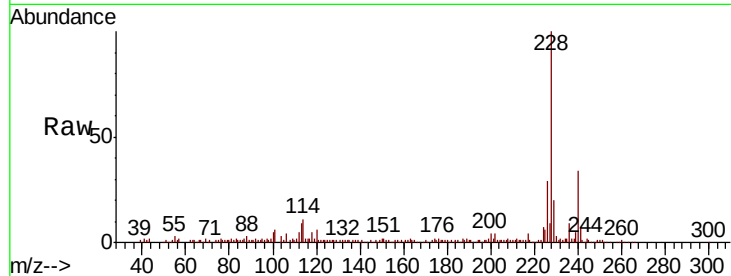
#81
Benzo(a)anthracene
Concen: 12.448 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF117042.D
Acq: 14 Sep 2019 00:12

Instrument :
BNA_F
ClientSampleId :
SU-02-091219

Tot Ion:	228	Resp:	112637
Ion Ratio	Lower	Upper	
228	100		
226	28.6	22.3	33.5
229	20.4	15.9	23.9

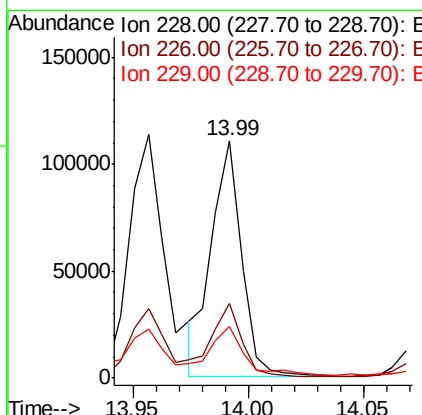
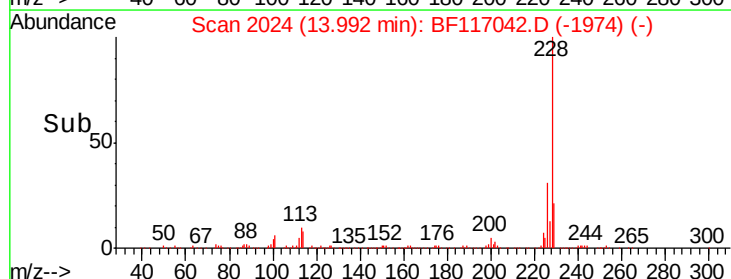
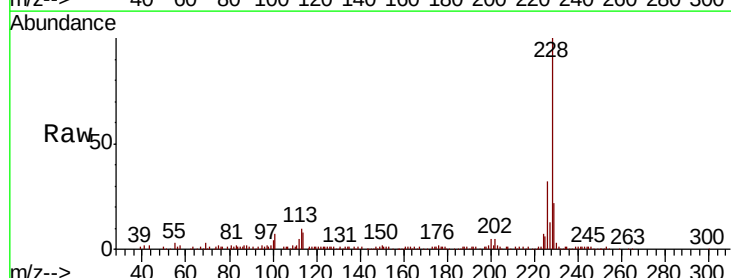
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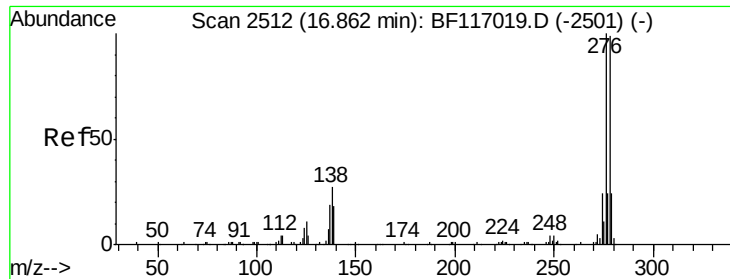
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#83
Chrysene
Concen: 11.360 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF117042.D
Acq: 14 Sep 2019 00:12

Tgt Ion:	228	Resp:	100257
Ion Ratio	Lower	Upper	
228	100		
226	31.6	24.8	37.2
229	21.9	15.8	23.8





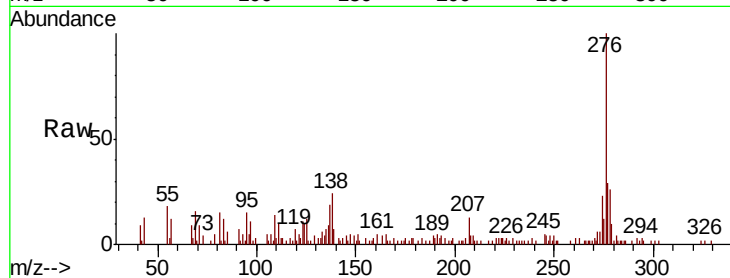
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 5.759 ng
 RT: 16.84 min Scan# 2509
 Delta R.T. -0.02 min
 Lab File: BF117042.D
 Acq: 14 Sep 2019 00:12

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-091219

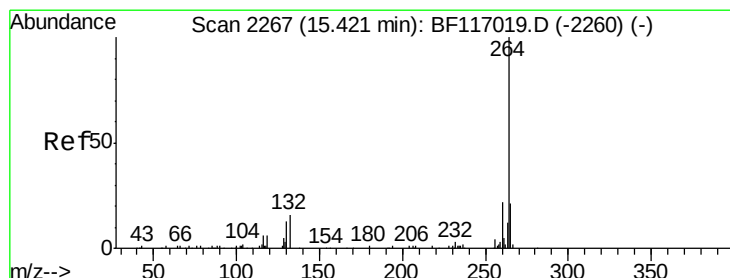
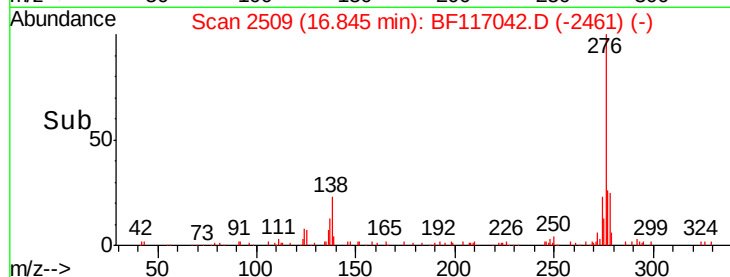
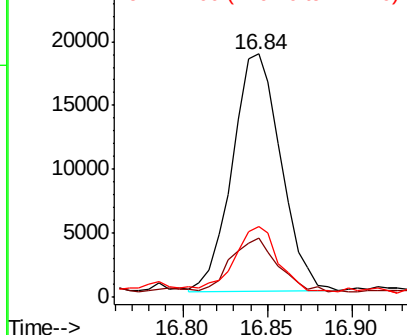
Tot Ion:	276	Resp:	37078
Ion Ratio	Lower	Upper	
276	100		
138	21.8	20.7	31.1
277	24.3	19.8	29.8

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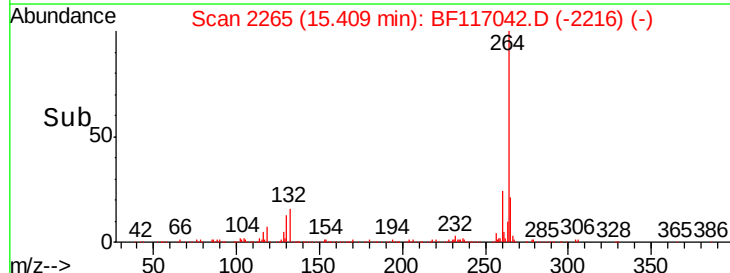
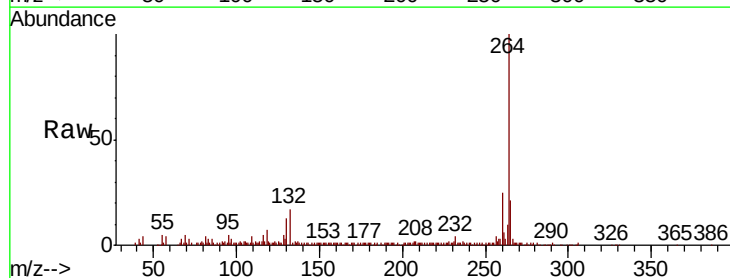
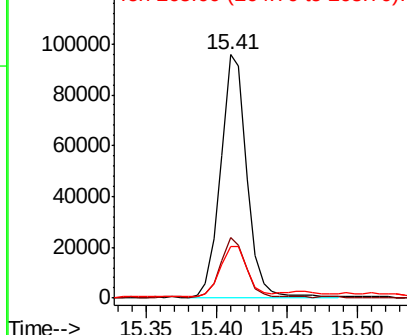
Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

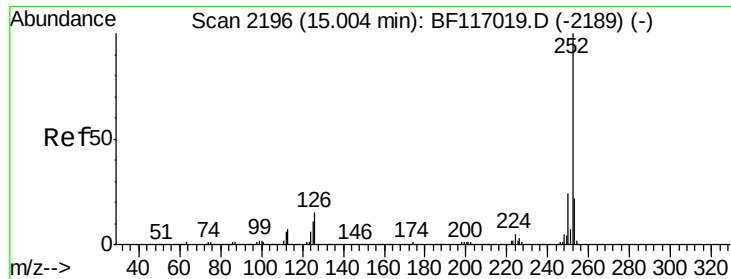


#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.41 min Scan# 2265
 Delta R.T. -0.01 min
 Lab File: BF117042.D
 Acq: 14 Sep 2019 00:12

Tgt Ion:	264	Resp:	124845
Ion Ratio	Lower	Upper	
264	100		
260	24.8	17.6	26.4
265	21.2	16.6	24.8

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





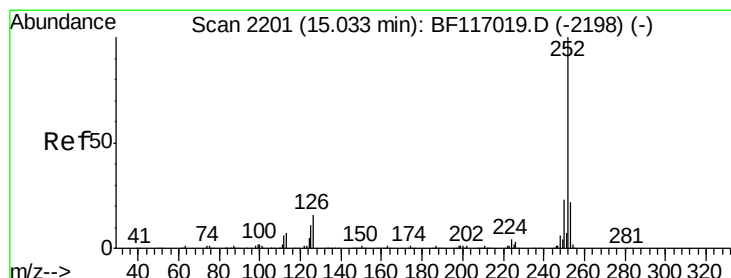
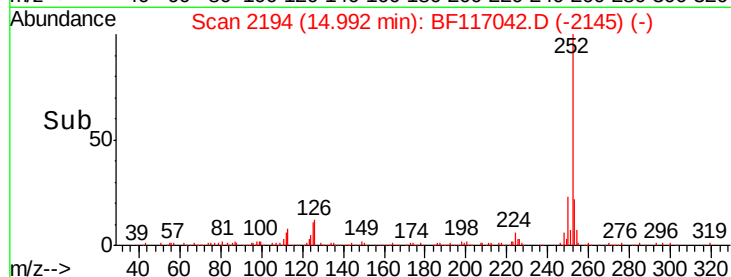
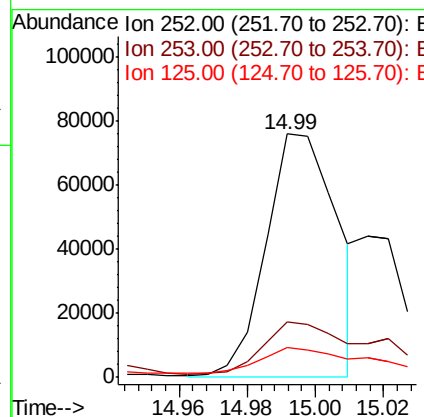
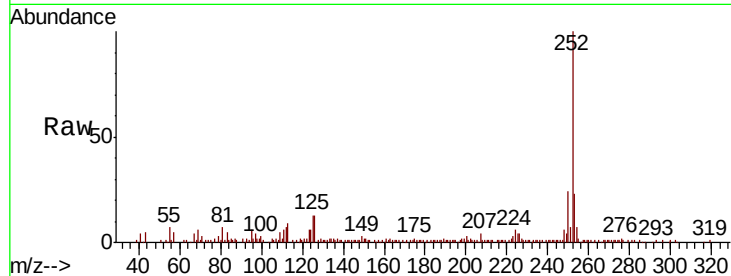
#88
Benzo(b)fluoranthene
Concen: 14.640 ng m
RT: 14.99 min Scan# 2194
Delta R.T. -0.01 min
Lab File: BF117042.D
Acq: 14 Sep 2019 00:12

Instrument :
BNA_F
ClientSampleId :
SU-02-091219

Tot Ion:	252	Resp:	110711
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.6	26.4
125	12.5	8.6	12.8

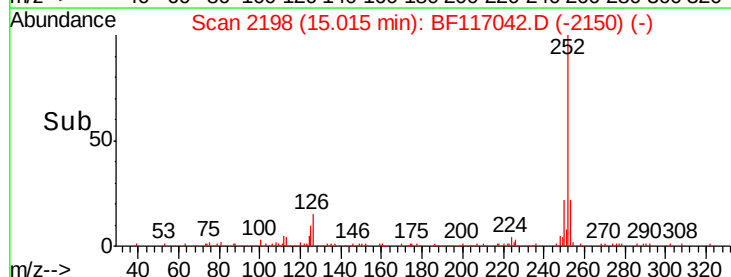
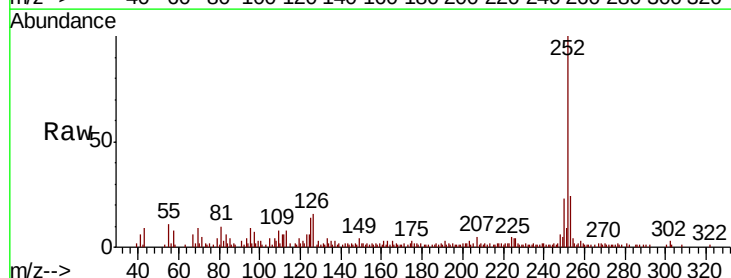
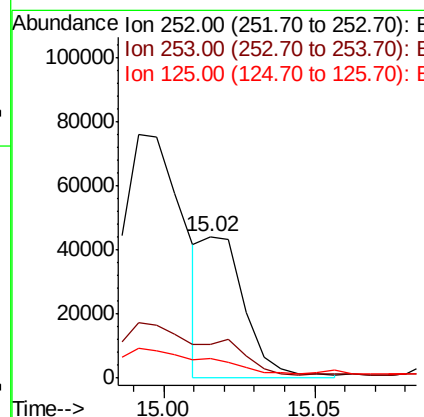
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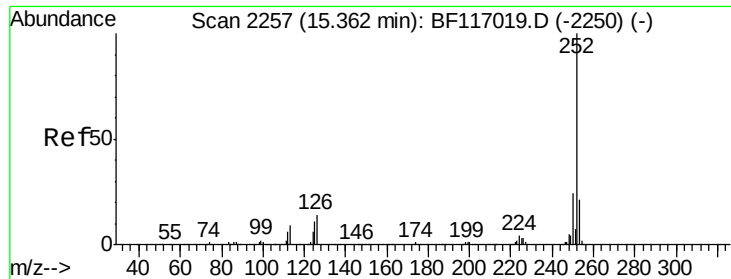
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#89
Benzo(k)fluoranthene
Concen: 5.974 ng m
RT: 15.02 min Scan# 2198
Delta R.T. -0.02 min
Lab File: BF117042.D
Acq: 14 Sep 2019 00:12

Tgt Ion:	252	Resp:	42792
Ion Ratio	Lower	Upper	
252	100		
253	24.1	17.4	26.2
125	13.6	8.8	13.2#





#90

Benzo(a)pyrene

Concen: 11.613 ng

RT: 15.35 min Scan# 2255

Delta R.T. -0.01 min

Lab File: BF117042.D

Acq: 14 Sep 2019 00:12

Instrument :

BNA_F

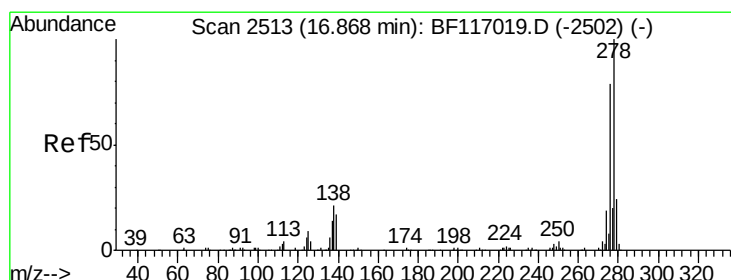
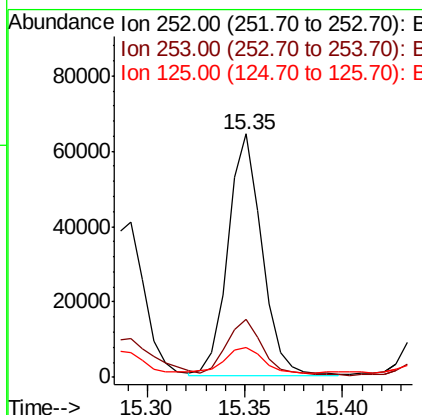
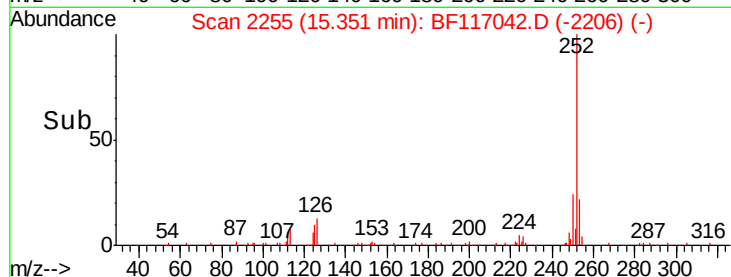
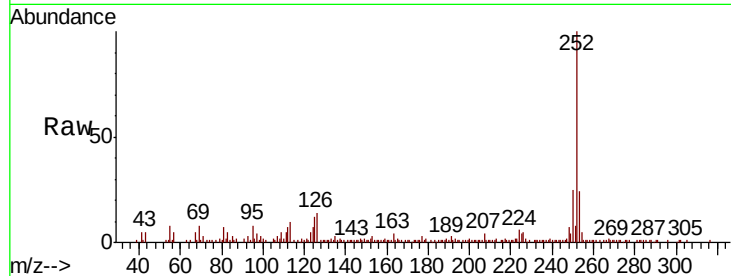
ClientSampleId :

SU-02-091219

Tot Ion:	252	Resp:	77063
Ion Ratio	Lower	Upper	
252	100		
253	23.8	16.6	25.0
125	12.4	8.9	13.3

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#91

Dibenzo(a,h)anthracene

Concen: 2.532 ng

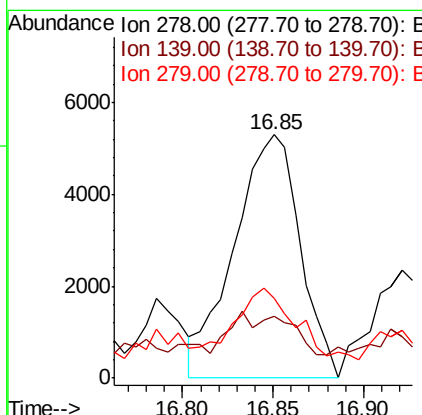
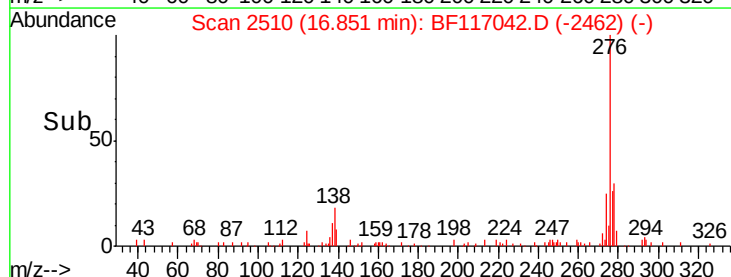
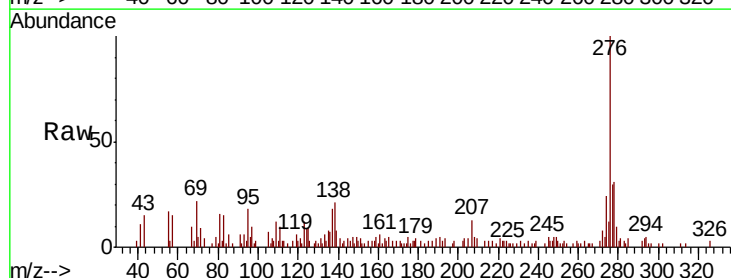
RT: 16.85 min Scan# 2510

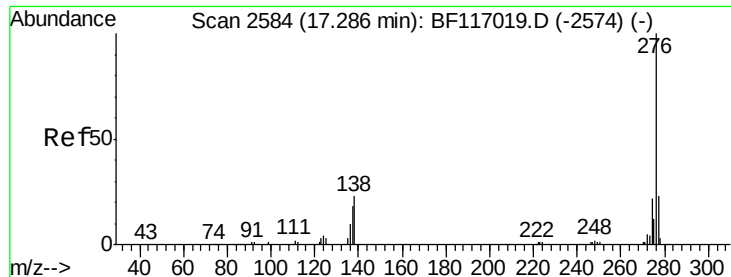
Delta R.T. -0.02 min

Lab File: BF117042.D

Acq: 14 Sep 2019 00:12

Tgt Ion:	278	Resp:	13388
Ion Ratio	Lower	Upper	
278	100		
139	25.3	13.5	20.3#
279	32.8	18.8	28.2#





#92
 Benzo(a,h,i)perylene
 Concen: 7.587 ng
 RT: 17.27 min Scan# 2582
 Delta R.T. -0.01 min
 Lab File: BF117042.D
 Acq: 14 Sep 2019 00:12

Instrument :
 BNA_F
 ClientSampleId :
 SU-02-091219

Tot Ion:	276	Resp:	39966
Ion Ratio	Lower	Upper	
276	100		
277	24.3	18.6	27.8
138	25.3	18.0	27.0

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