

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112519\
 Data File : BF117985.D
 Acq On : 26 Nov 2019 00:17
 Operator : JU
 Sample : K5973-07
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-7

Manual Integrations
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 11/26/2019 12:49:21 PM

Quant Time: Nov 26 05:49:39 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 26 05:38:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	162129	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	649711	20.00	ng	0.00
39) Acenaphthene-d10	9.94	164	333680	20.00	ng	0.00
64) Phenanthrene-d10	11.43	188	598436	20.00	ng	0.00
76) Chrysene-d12	14.09	240	302459	20.00	ng	0.00
87) Perylene-d12	15.59	264	318355	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	741476	80.95	ng	0.00
7) Phenol-d6	6.52	99	962988	87.17	ng	0.00
23) Nitrobenzene-d5	7.45	82	596442	54.57	ng	-0.01
42) 2,4,6-Tribromophenol	10.73	330	287782	81.46	ng	-0.01
45) 2-Fluorobiphenyl	9.26	172	1068948	57.47	ng	0.00
79) Terphenyl-d14	13.02	244	1006039	60.79	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.65	163	241657	10.328	ng	99
52) Acenaphthene	9.97	154	125390	6.592	ng	99
55) Dibenzofuran	10.14	168	60472	2.296	ng	# 97
58) Fluorene	10.49	166	141044	6.910	ng	100
71) Phenanthrene	11.47	178	2737301	90.978	ng	99
72) Anthracene	11.51	178	731424	24.519	ng	99
73) Carbazole	11.66	167	167860	6.439	ng	99
75) Fluoranthene	12.67	202	3053584	124.793	ng	99
78) Pyrene	12.90	202	3582321	146.556	ng	97
81) Benzo(a)anthracene	14.08	228	1635561	81.832	ng	98
83) Chrysene	14.12	228	1347543	69.578	ng	99
86) Indeno(1,2,3-cd)pyrene	17.12	276	969444	58.813	ng	94
88) Benzo(b)fluoranthene	15.15	252	1662319m	80.369	ng	
89) Benzo(k)fluoranthene	15.17	252	472614m	24.251	ng	
90) Benzo(a)pyrene	15.53	252	1379495	75.847	ng	97
91) Dibenzo(a,h)anthracene	17.13	278	243673m	15.565	ng	
92) Benzo(a,h,i)perylene	17.59	276	1018409	65.314	ng	99

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

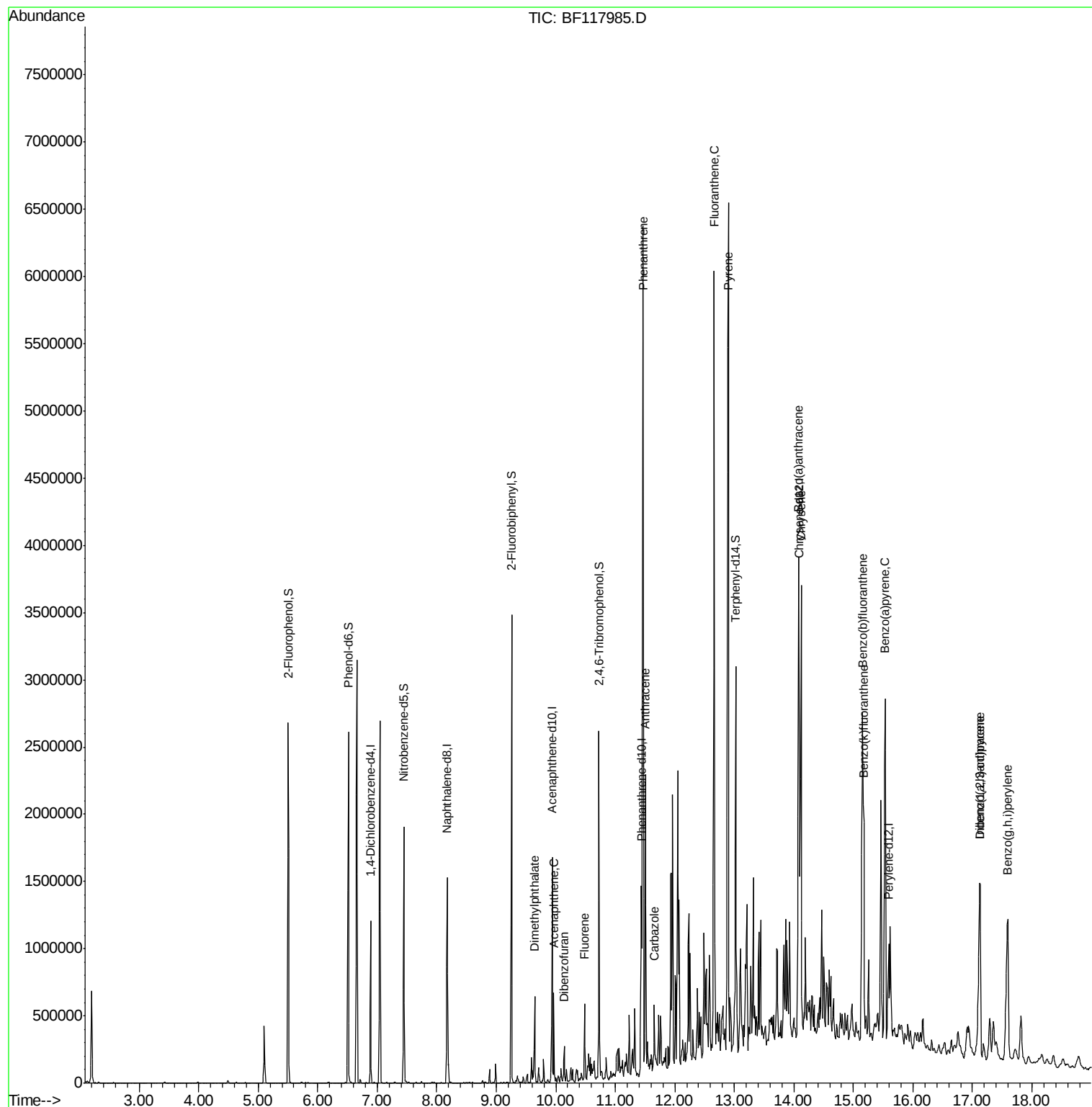
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112519\
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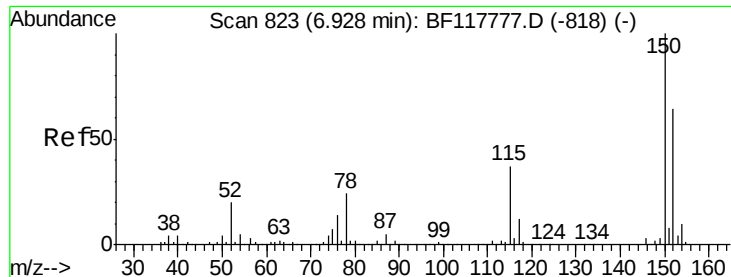
Instrument :
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ClientSampled :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
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#1

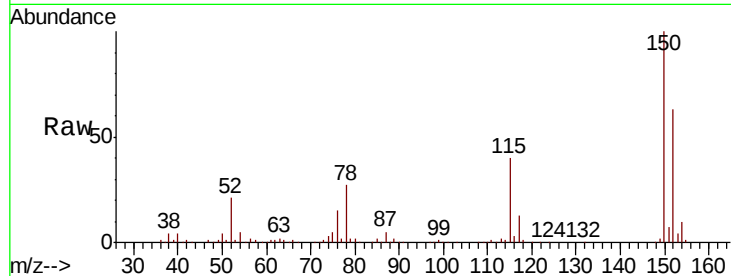
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.01 min
Lab File: BF117985.D
Acq: 26 Nov 2019 00:17

Instrument :
BNA_F
ClientSampled :
TP-7

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.7	125.3	187.9
115	63.8	47.0	70.4

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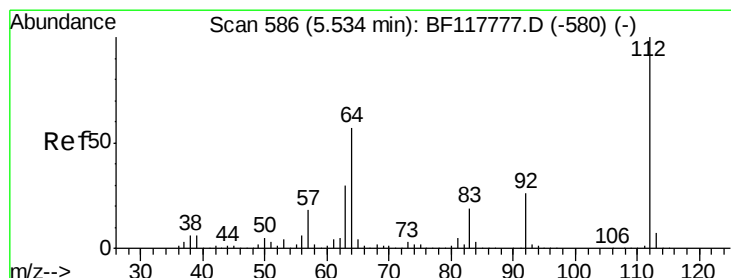
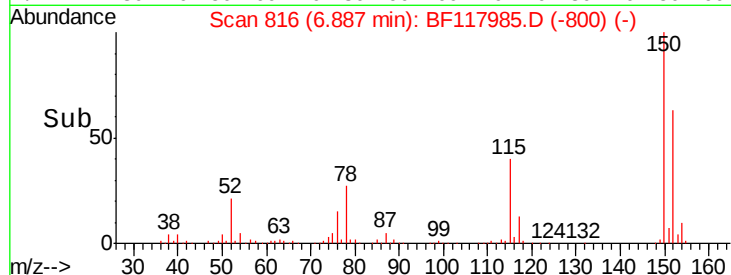
Abundance

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

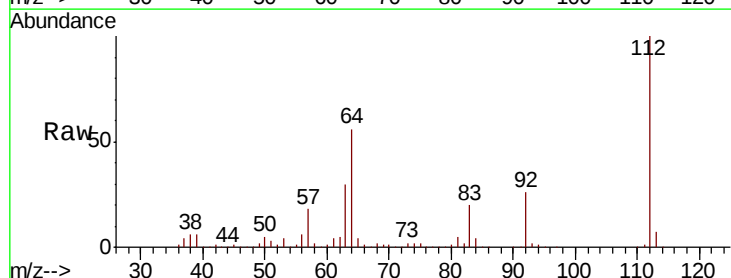
Time-->



#5

2-Fluorophenol
Concen: 80.954 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF117985.D
Acq: 26 Nov 2019 00:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.6	45.6	68.4
63	30.0	24.1	36.1



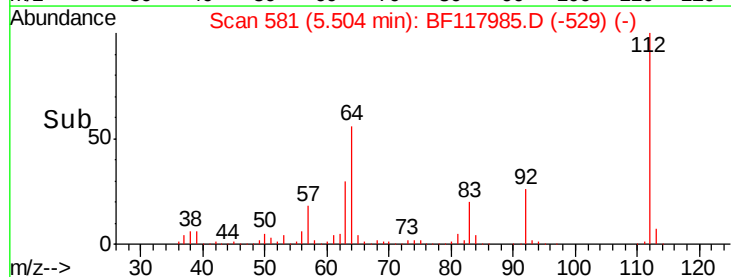
Abundance

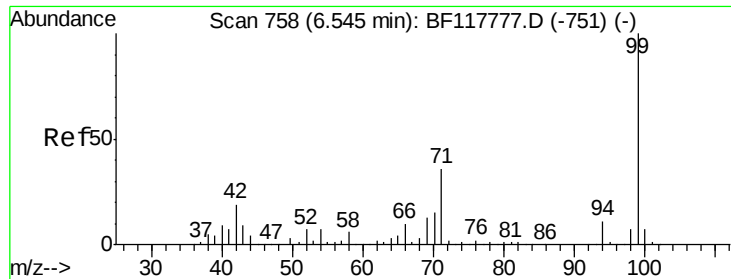
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Time-->





#7

Phenol-d6

Concen: 87.167 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF117985.D

Acq: 26 Nov 2019 00:17

Instrument :

BNA_F

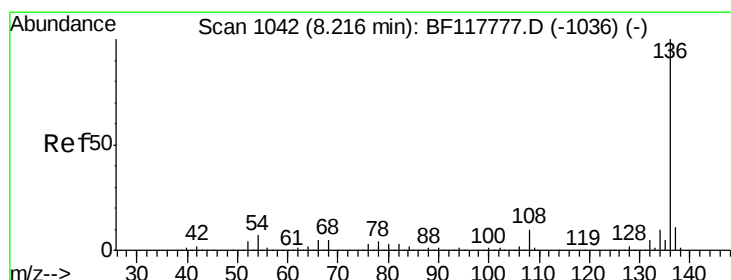
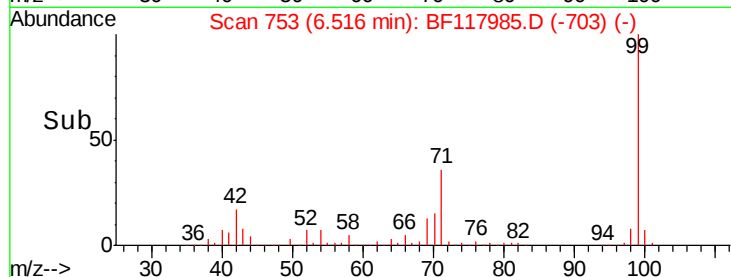
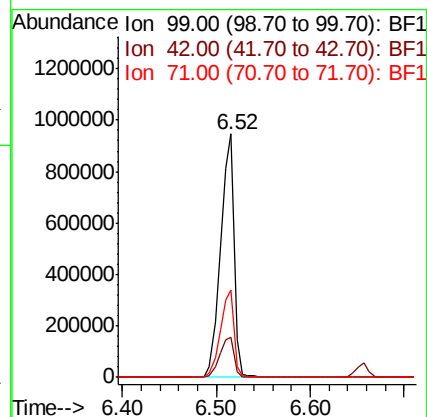
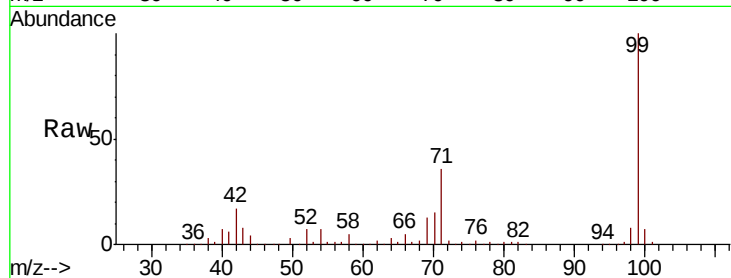
ClientSampleId :

TP-7

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		962988		
42	16.6	14.9	22.3		
71	35.7	28.6	43.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

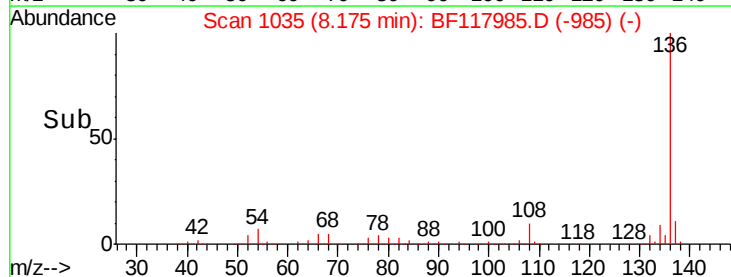
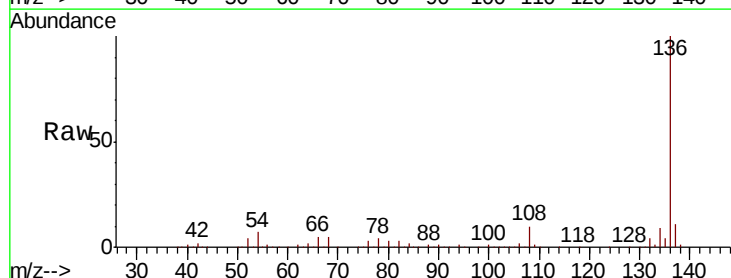
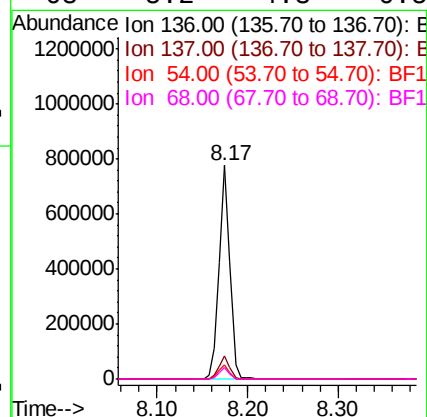
RT: 8.17 min Scan# 1035

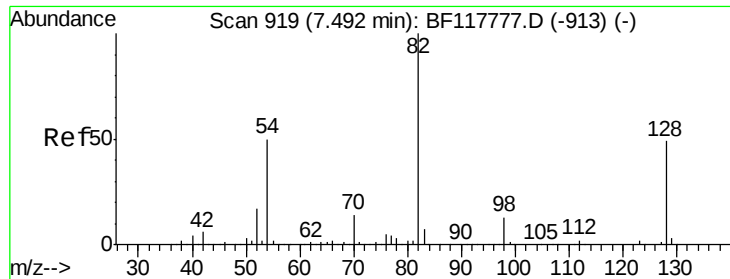
Delta R.T. -0.01 min

Lab File: BF117985.D

Acq: 26 Nov 2019 00:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		649711		
137	10.8	9.0	13.4		
54	6.9	5.4	8.2		
68	5.2	4.3	6.5		





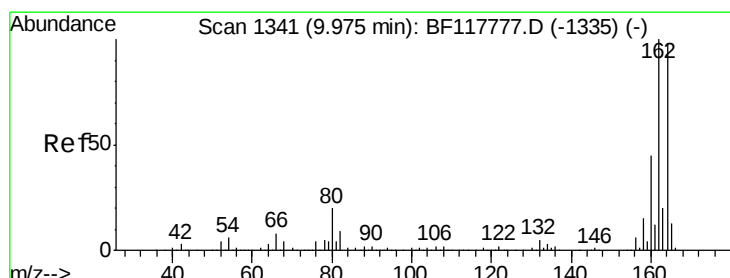
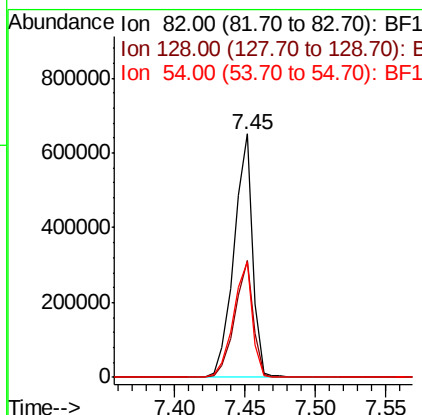
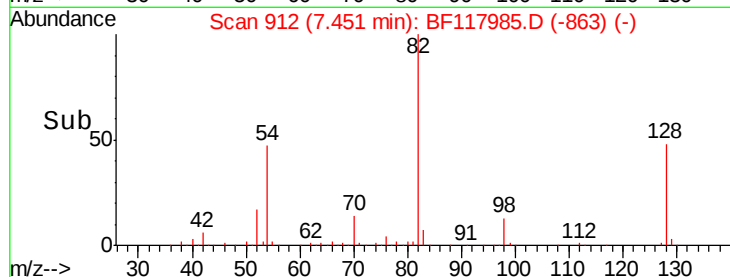
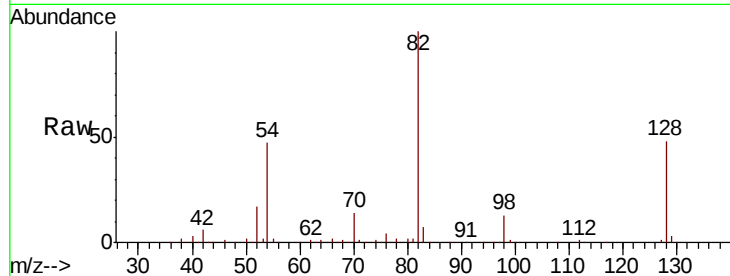
#23
Nitrobenzene-d5
Concen: 54.572 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF117985.D
Acq: 26 Nov 2019 00:17

Instrument :
BNA_F
ClientSampled :
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Tot Ion	Ratio	Resp	Lower	Upper
82	100	596442		
128	48.2		38.9	58.3
54	47.5		39.8	59.6

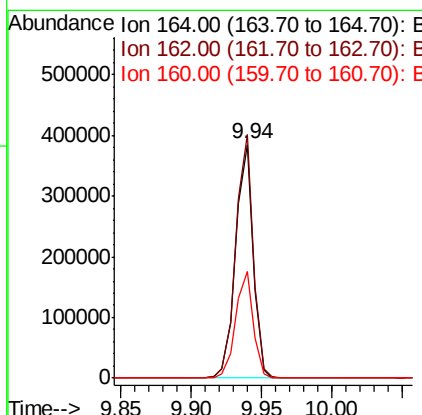
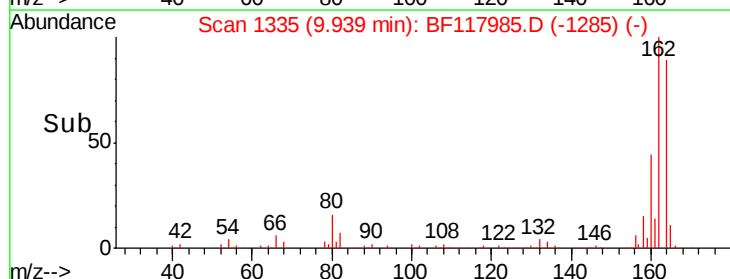
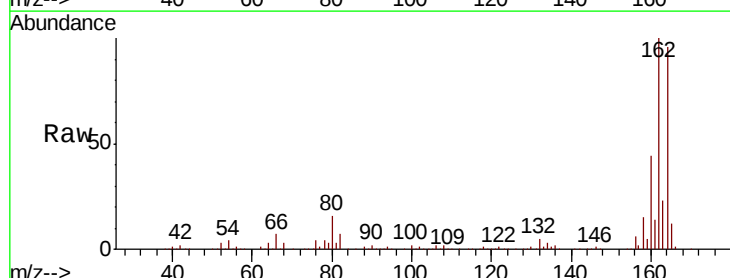
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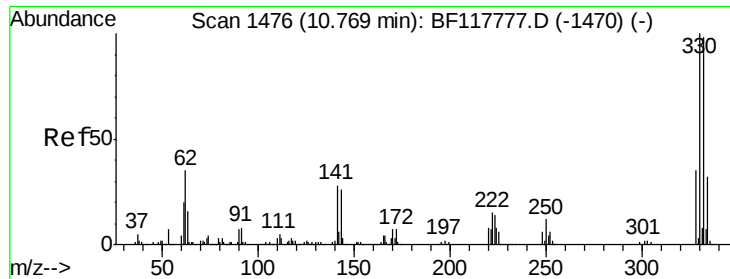
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.01 min
Lab File: BF117985.D
Acq: 26 Nov 2019 00:17

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	333680		
162	104.2		81.3	121.9
160	45.5		36.6	55.0





#42

2,4,6-Tribromophenol

Concen: 81.464 ng

RT: 10.73 min Scan# 1469

Delta R.T. -0.01 min

Lab File: BF117985.D

Acq: 26 Nov 2019 00:17

Instrument :

BNA_F

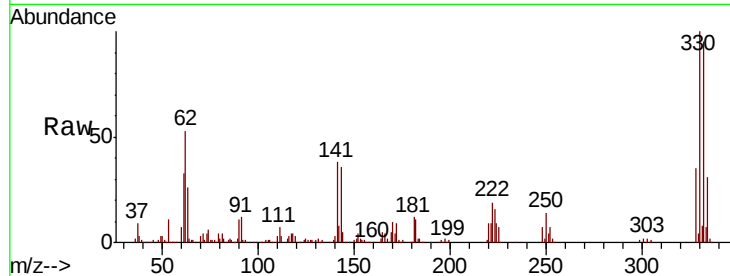
ClientSampled :

TP-7

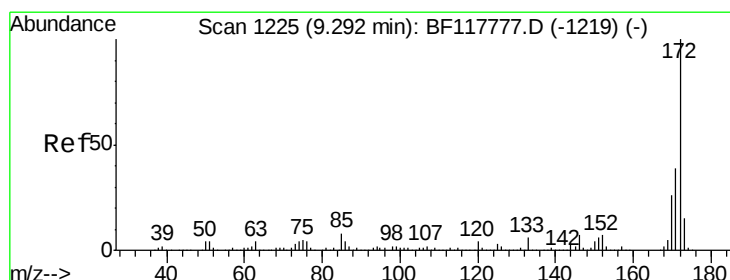
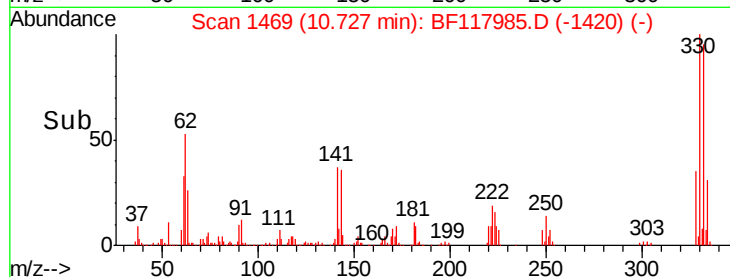
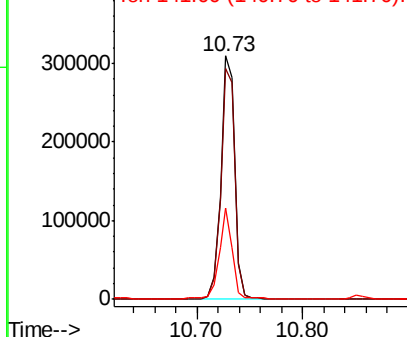
Tot Ion:	330	Resp:	287782
Ion Ratio	Lower	Upper	
330	100		
332	96.4	76.7	115.1
141	34.6	27.7	41.5

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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: 57.472 ng

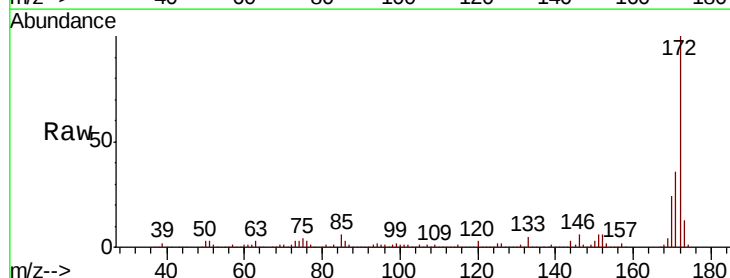
RT: 9.26 min Scan# 1219

Delta R.T. -0.01 min

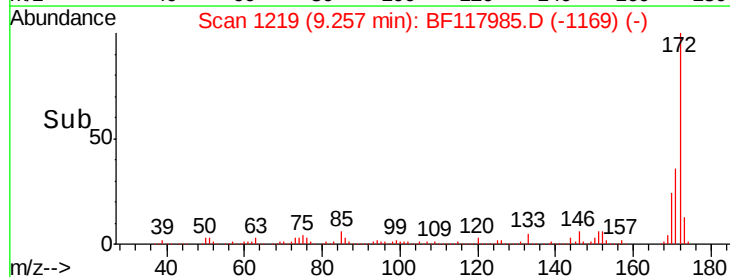
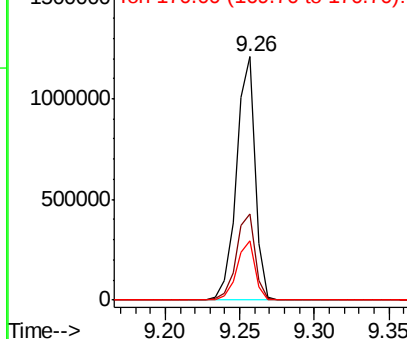
Lab File: BF117985.D

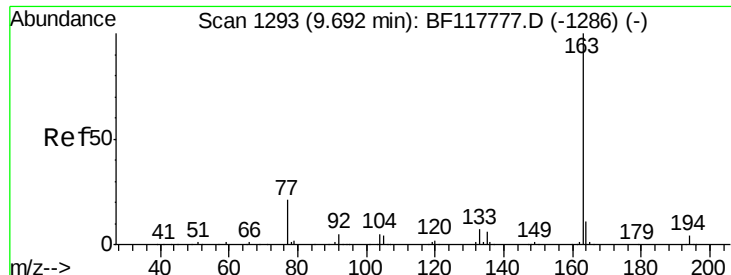
Acq: 26 Nov 2019 00:17

Tgt Ion:	172	Resp:	1068948
Ion Ratio	Lower	Upper	
172	100		
171	35.6	30.9	46.3
170	24.2	21.0	31.4



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





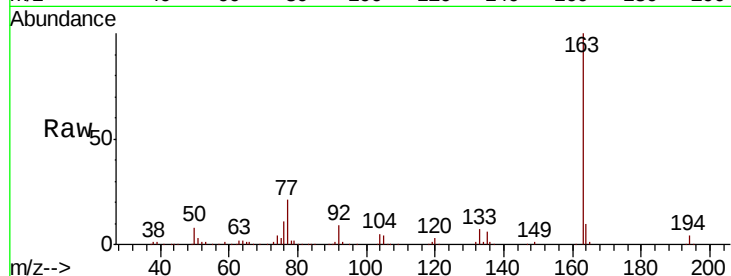
#50
Dimethylphthalate
Concen: 10.328 ng
RT: 9.65 min Scan# 1285
Delta R.T. -0.02 min
Lab File: BF117985.D
Acq: 26 Nov 2019 00:17

Instrument :
BNA_F
ClientSampled :
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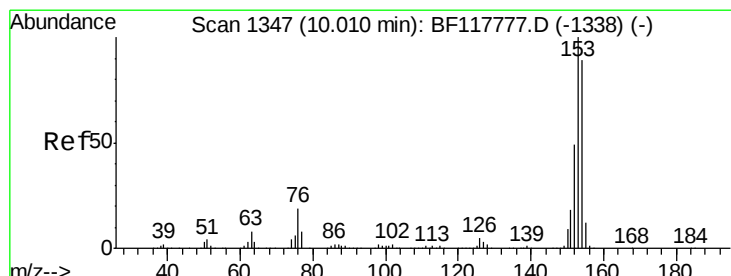
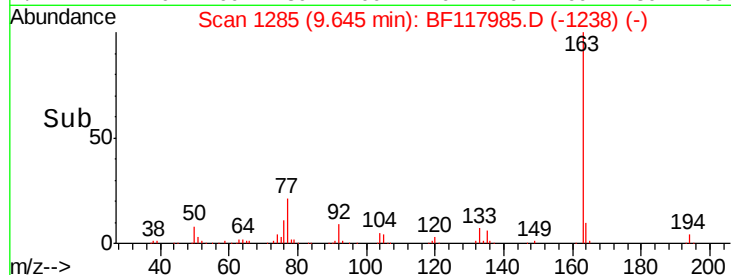
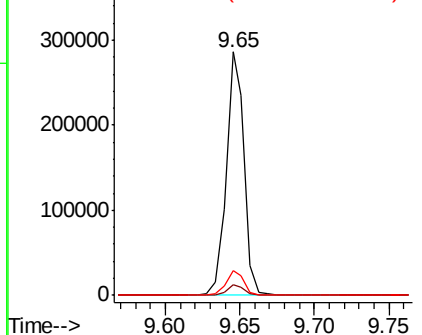
Tot Ion:	163	Resp:	241657
Ion Ratio	Lower	Upper	
163	100		
194	4.1	3.3	4.9
164	10.3	8.7	13.1

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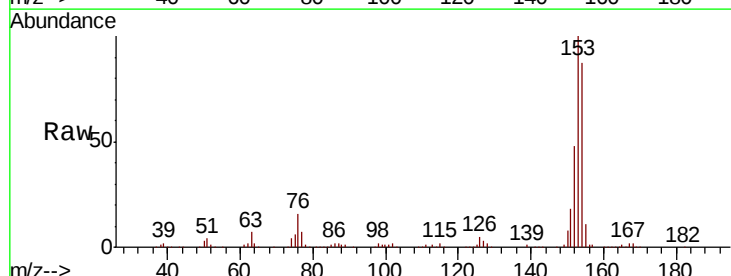


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

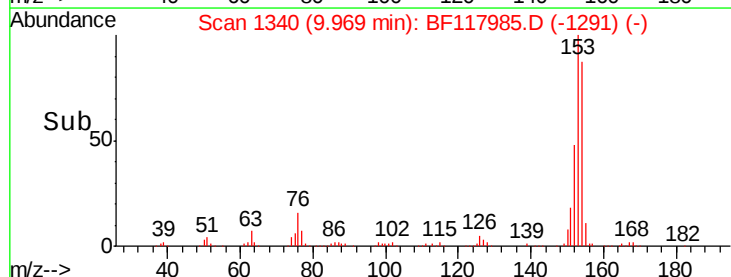
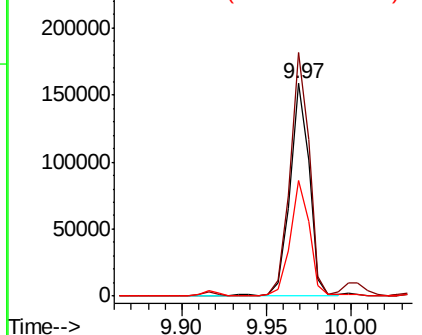


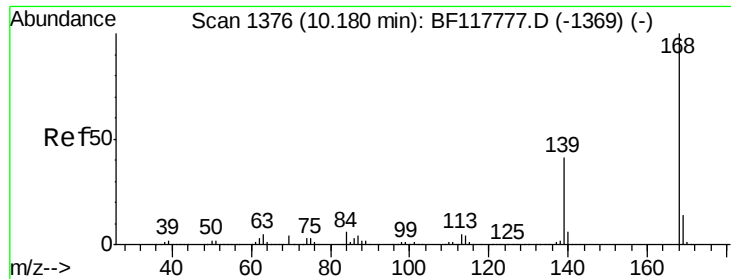
#52
Acenaphthene
Concen: 6.592 ng
RT: 9.97 min Scan# 1340
Delta R.T. -0.01 min
Lab File: BF117985.D
Acq: 26 Nov 2019 00:17

Tgt Ion:	154	Resp:	125390
Ion Ratio	Lower	Upper	
154	100		
153	114.4	90.1	135.1
152	54.4	44.0	66.0



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





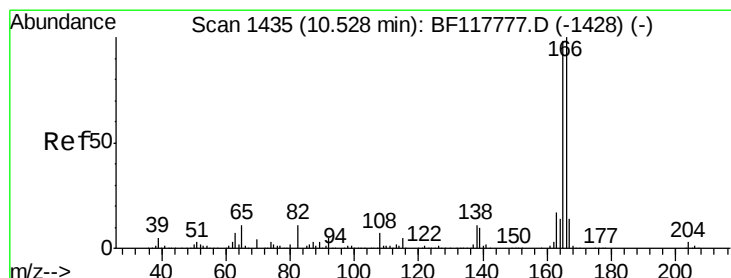
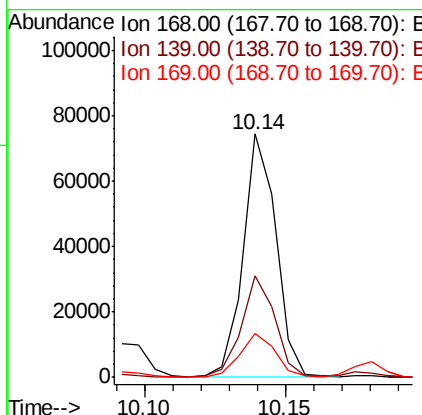
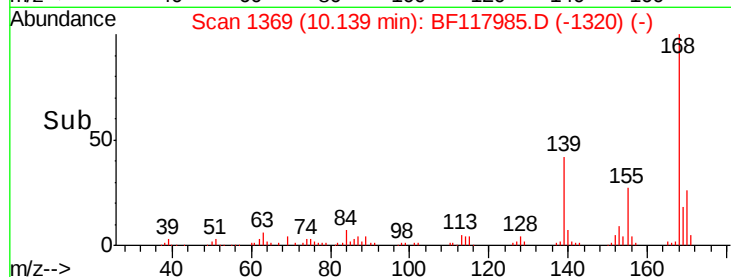
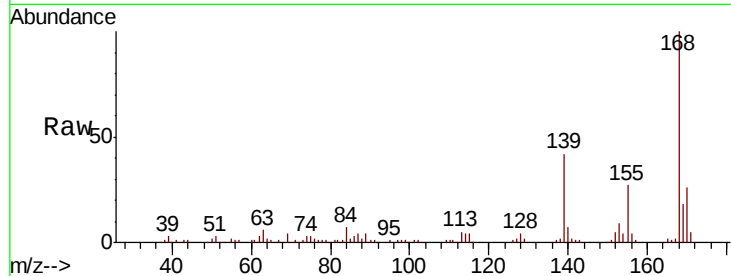
#55
Dibenzenofuran
Concen: 2.296 ng
RT: 10.14 min Scan# 1369
Delta R.T. -0.01 min
Lab File: BF117985.D
Acq: 26 Nov 2019 00:17

Instrument :
BNA_F
ClientSampled :
TP-7

Tot Ion	Ratio	Lower	Upper
168	100		
139	41.5	33.0	49.6
169	18.3	11.5	17.3

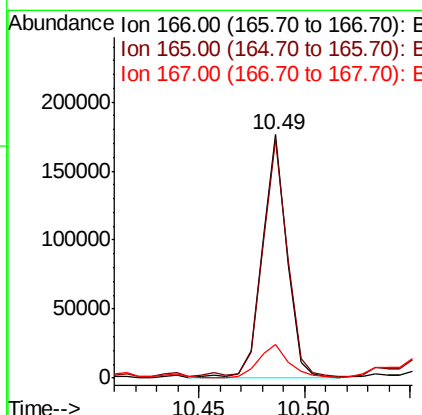
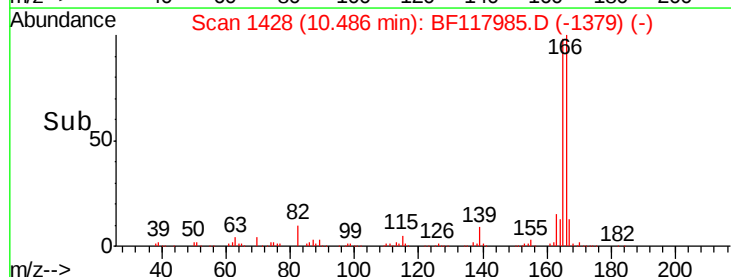
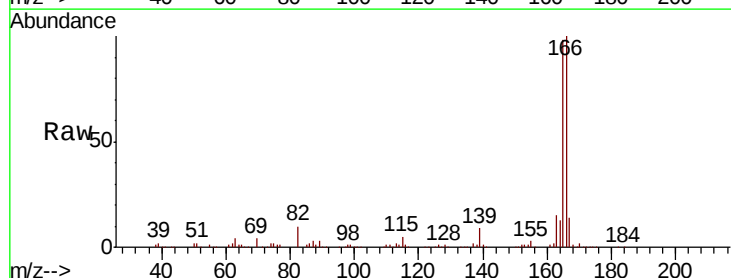
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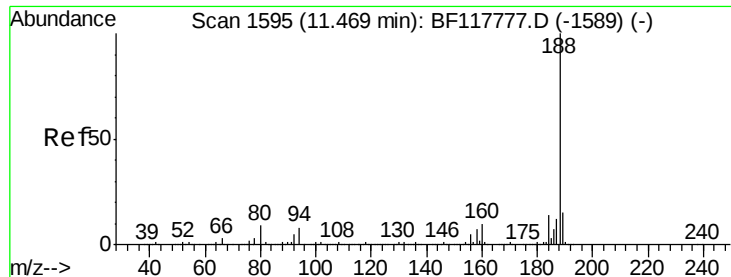
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#58
Fluorene
Concen: 6.910 ng
RT: 10.49 min Scan# 1428
Delta R.T. -0.01 min
Lab File: BF117985.D
Acq: 26 Nov 2019 00:17

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.2	78.4	117.6
167	13.6	11.0	16.4





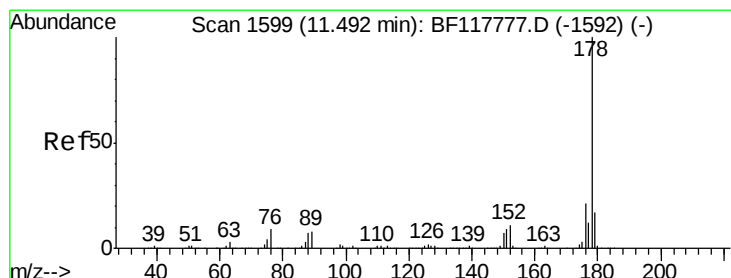
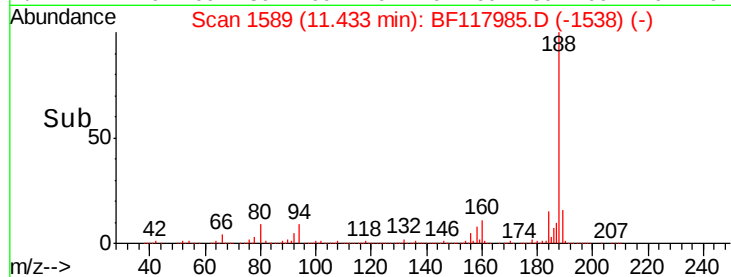
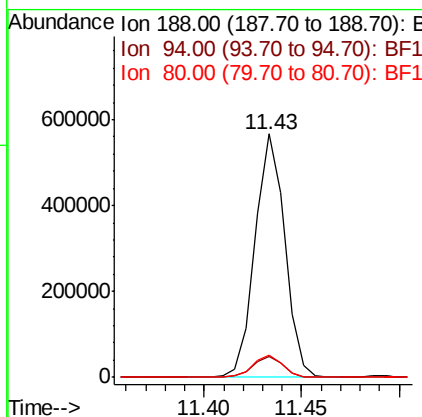
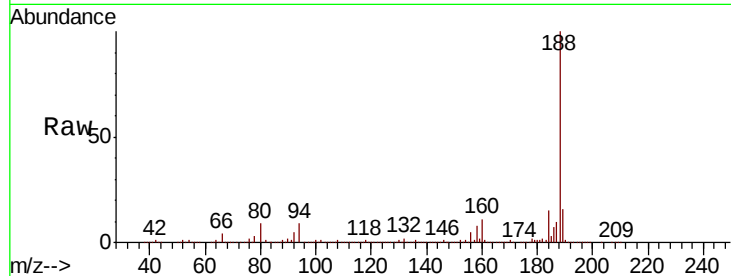
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: BF117985.D
 Acq: 26 Nov 2019 00:17

Instrument :
 BNA_F
 ClientSampled :
 TP-7

Tot Ion	Ratio	Resp	Lower	Upper
188	100	598436		
94	8.7		6.6	10.0
80	9.4		7.2	10.8

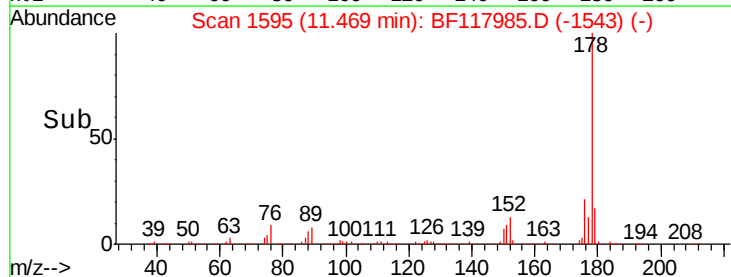
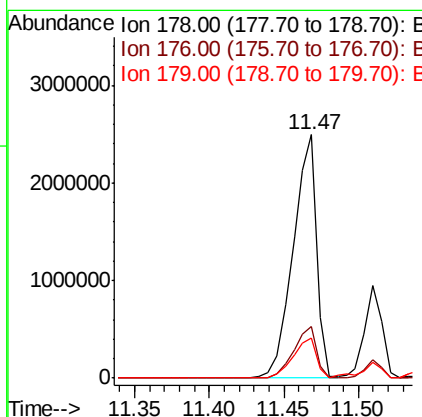
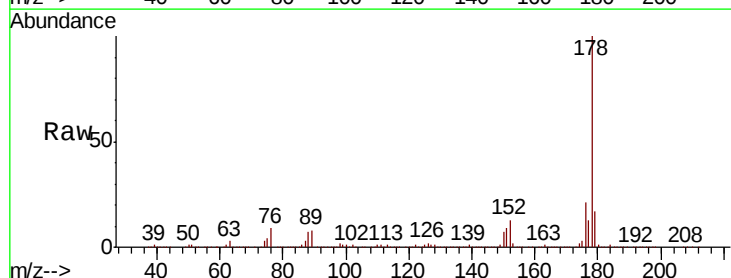
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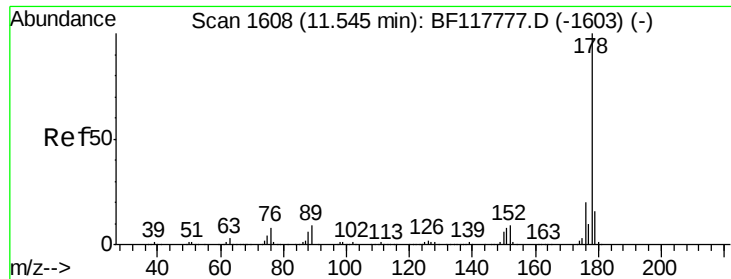
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#71
 Phenanthrene
 Concen: 90.978 ng
 RT: 11.47 min Scan# 1595
 Delta R.T. 0.01 min
 Lab File: BF117985.D
 Acq: 26 Nov 2019 00:17

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	2737301		
176	21.2		16.6	25.0
179	16.6		13.2	19.8





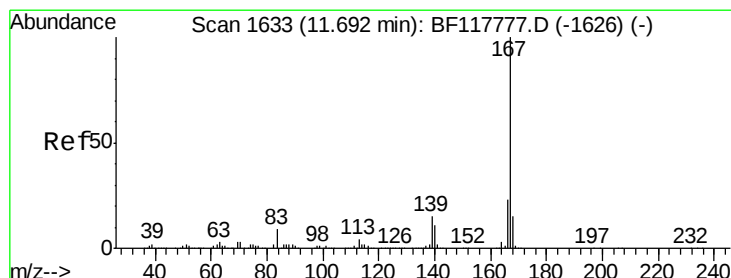
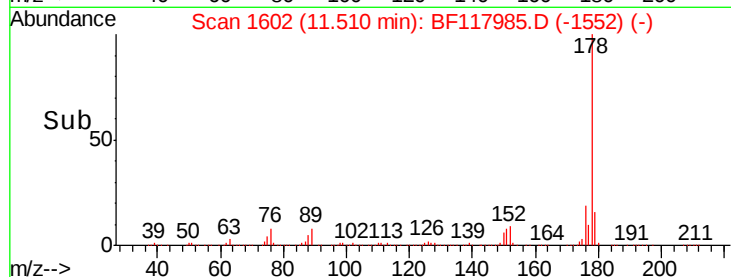
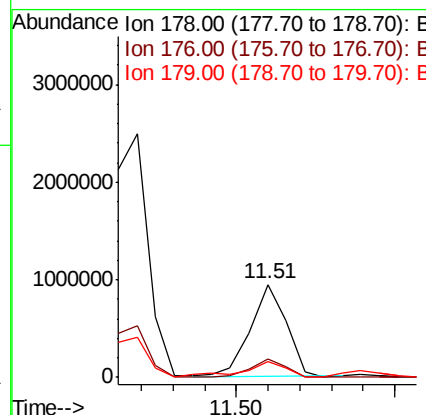
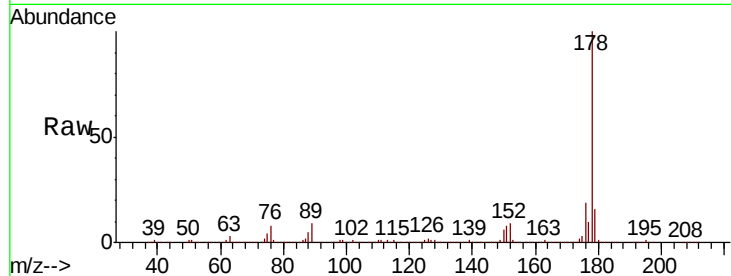
#72
 Anthracene
 Concen: 24.519 ng
 RT: 11.51 min Scan# 1602
 Delta R.T. -0.01 min
 Lab File: BF117985.D
 Acq: 26 Nov 2019 00:17

Instrument :
 BNA_F
 ClientSampleId :
 TP-7

Tot Ion	Ion	Ratio	Lower	Upper
731424	178	100		
	176	19.0	16.1	24.1
	179	16.3	13.0	19.4

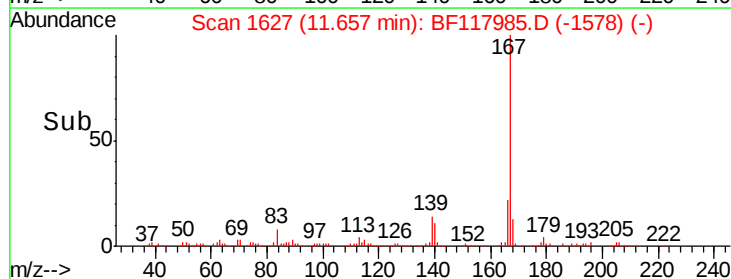
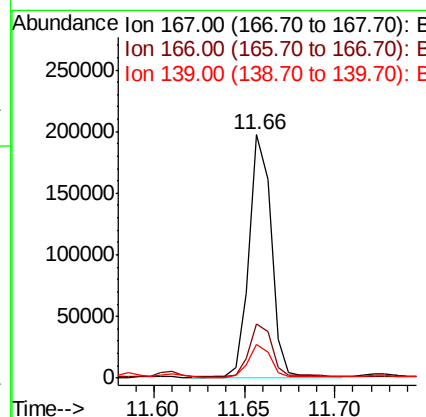
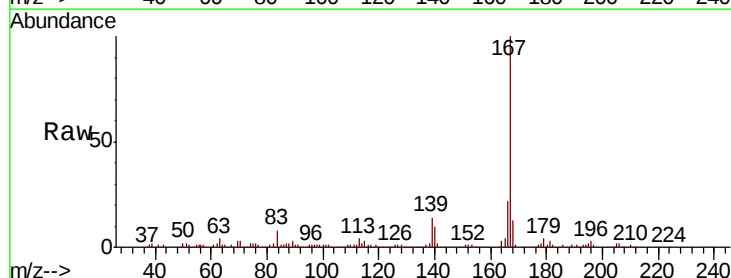
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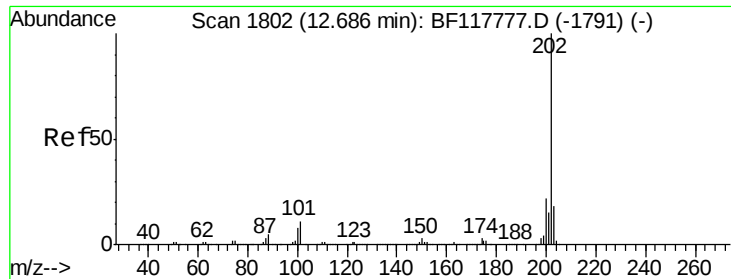
mohammad
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#73
 Carbazole
 Concen: 6.439 ng
 RT: 11.66 min Scan# 1627
 Delta R.T. -0.01 min
 Lab File: BF117985.D
 Acq: 26 Nov 2019 00:17

Tgt Ion	Ion	Ratio	Lower	Upper
167860	167	100		
	166	22.5	18.0	27.0
	139	14.0	11.7	17.5





#75

Fluoranthene

Concen: 124.793 ng

RT: 12.67 min Scan# 1799

Delta R.T. 0.02 min

Lab File: BF117985.D

Acq: 26 Nov 2019 00:17

Instrument :

BNA_F

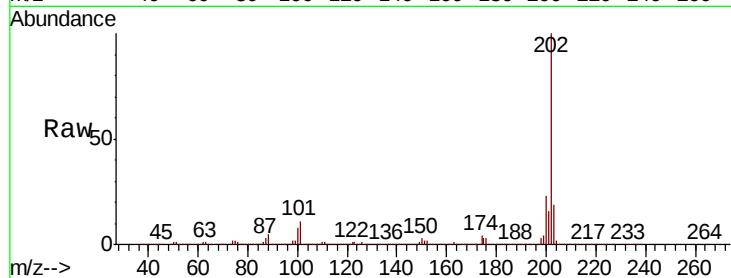
ClientSampleId :

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Tot Ion:	202	Resp:	3053584
Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	31.1
203	18.5	0.0	38.2

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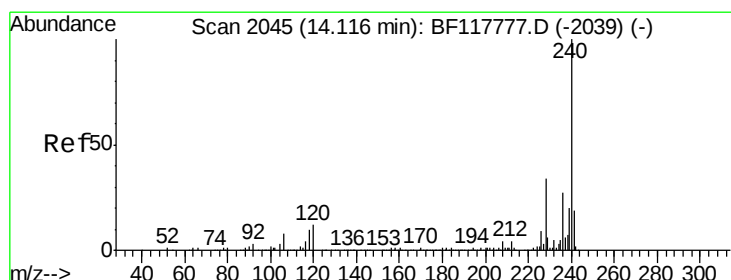
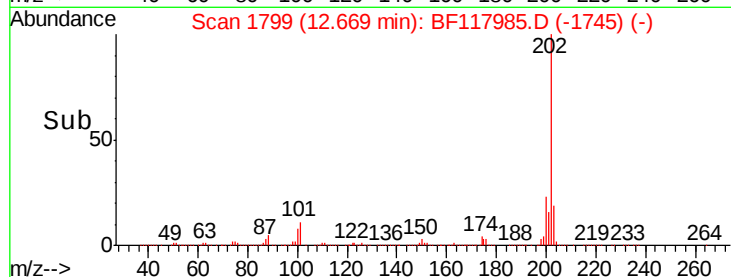
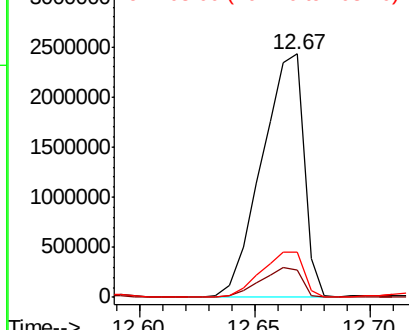


Abundance

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: 14.09 min Scan# 2041

Delta R.T. 0.01 min

Lab File: BF117985.D

Acq: 26 Nov 2019 00:17

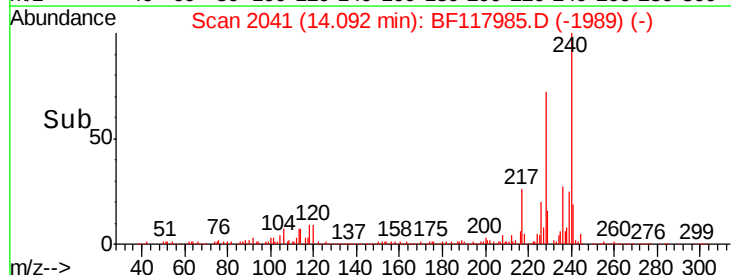
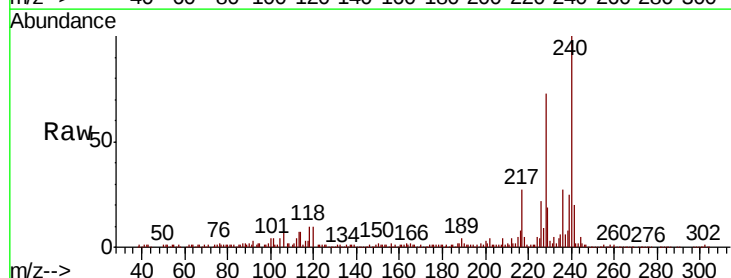
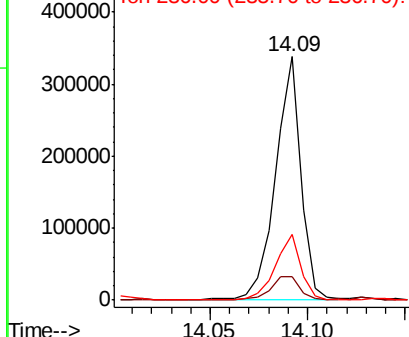
Tgt Ion:	240	Resp:	302459
Ion	Ratio	Lower	Upper
240	100		
120	9.6	9.5	14.3
236	27.2	21.3	31.9

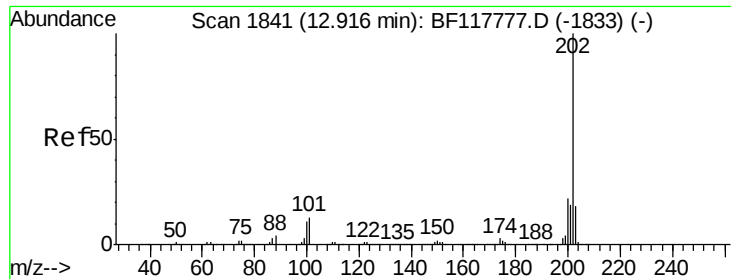
Abundance

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: 146.556 ng

RT: 12.90 min Scan# 1838

Delta R.T. 0.01 min

Lab File: BF117985.D

Acq: 26 Nov 2019 00:17

Instrument :

BNA_F

ClientSampleId :

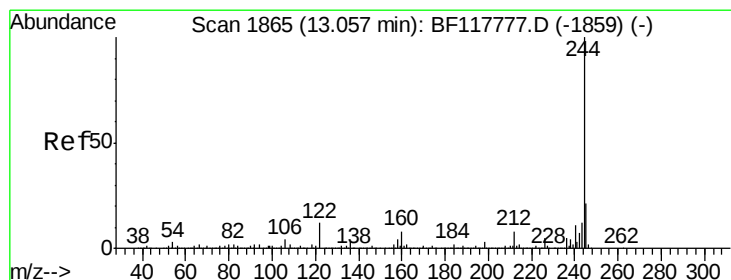
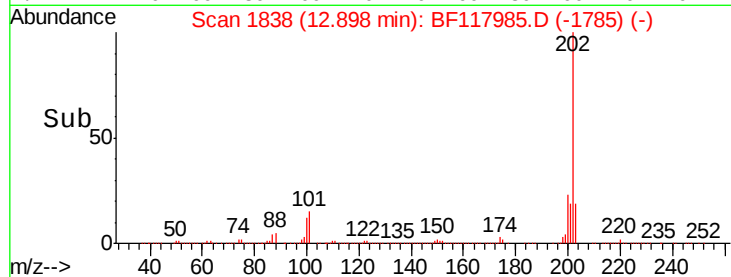
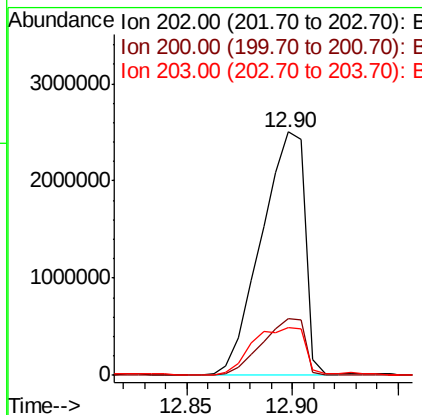
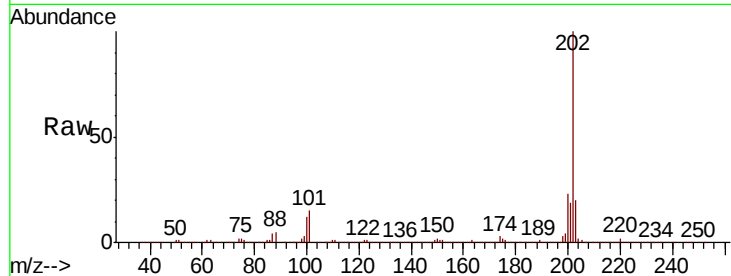
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Tot Ion:202 Resp: 3582321

Ion	Ratio	Lower	Upper
202	100		
200	23.4	17.8	26.8
203	19.8	14.6	22.0

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#79

Terphenyl-d14

Concen: 60.790 ng

RT: 13.02 min Scan# 1859

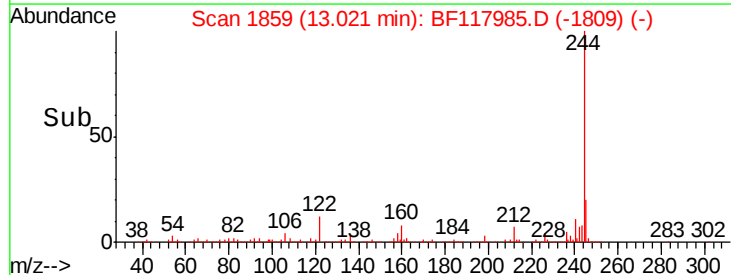
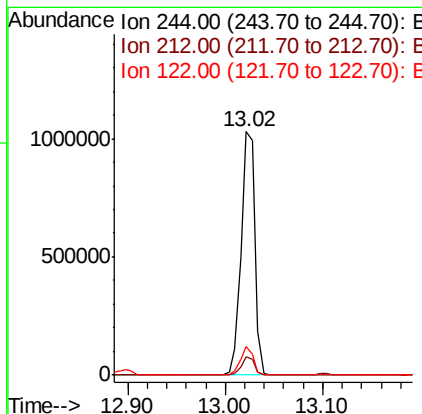
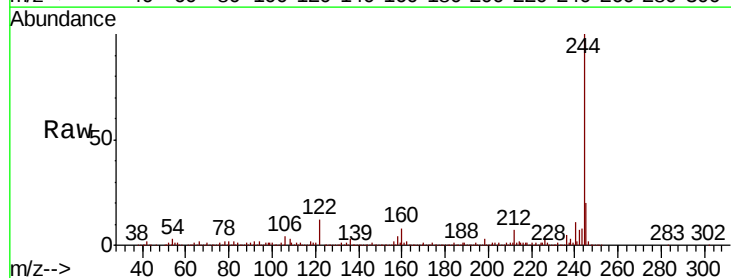
Delta R.T. -0.01 min

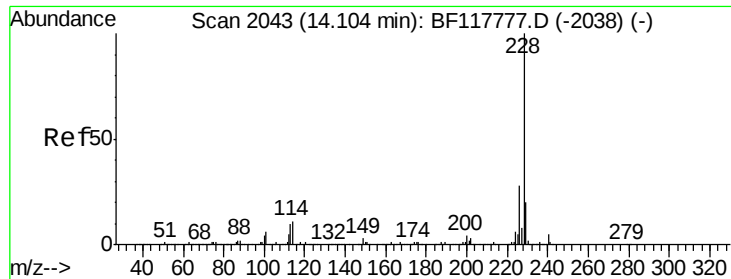
Lab File: BF117985.D

Acq: 26 Nov 2019 00:17

Tgt Ion:244 Resp: 1006039

Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.3	9.5
122	11.9	9.4	14.2





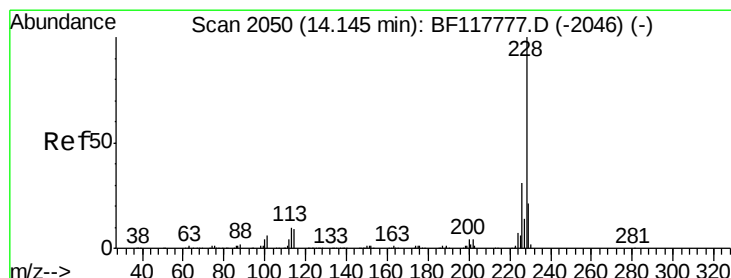
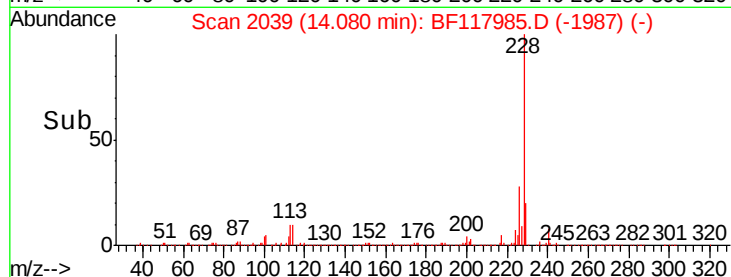
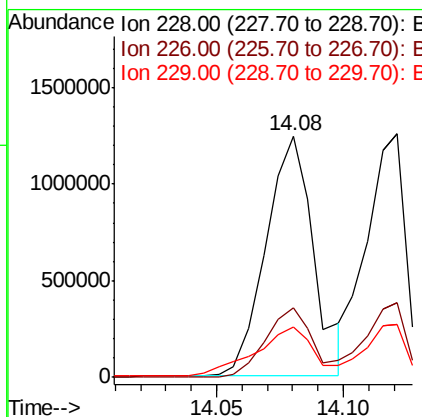
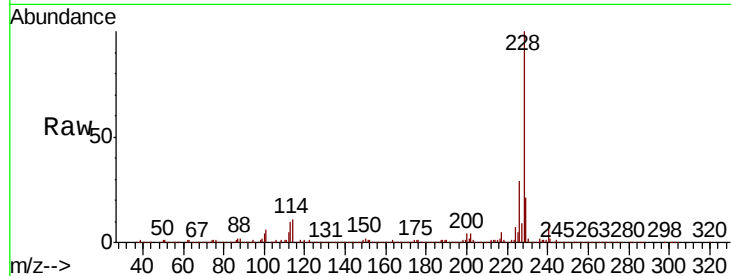
#81
Benzo(a)anthracene
Concen: 81.832 ng
RT: 14.08 min Scan# 2039
Delta R.T. 0.01 min
Lab File: BF117985.D
Acq: 26 Nov 2019 00:17

Instrument :
BNA_F
ClientSampleId :
TP-7

Tot Ion:228 Resp: 1635561
Ion Ratio Lower Upper
228 100
226 28.5 22.2 33.2
229 21.0 15.9 23.9

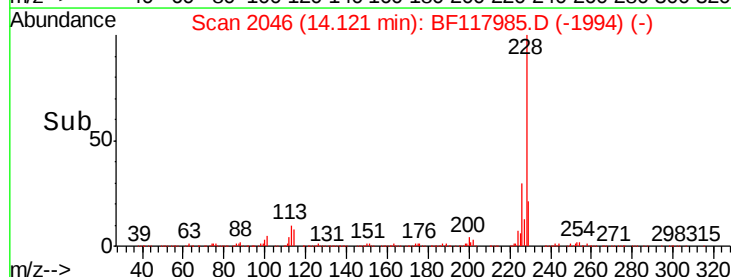
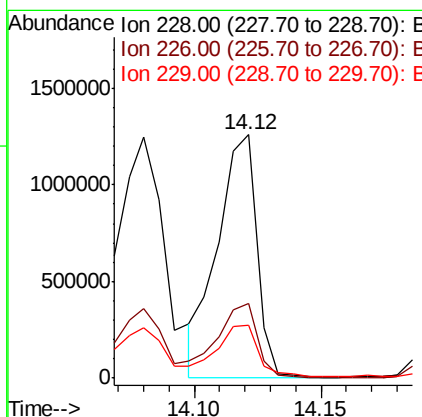
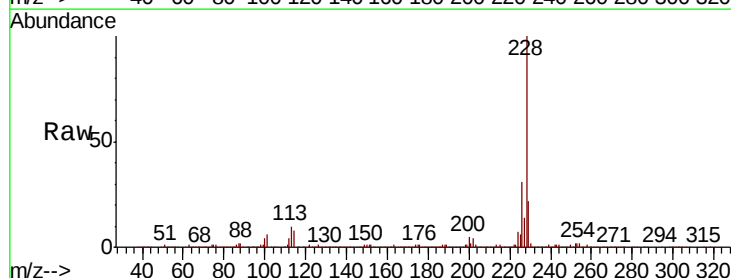
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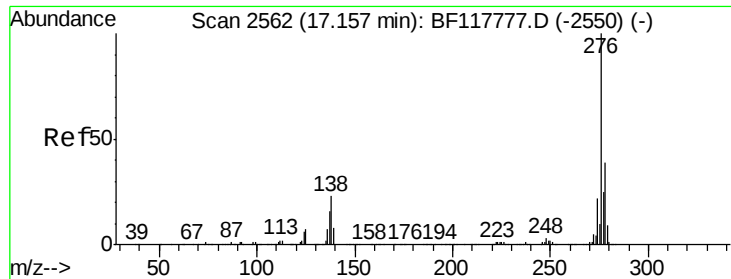
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#83
Chrysene
Concen: 69.578 ng
RT: 14.12 min Scan# 2046
Delta R.T. 0.01 min
Lab File: BF117985.D
Acq: 26 Nov 2019 00:17

Tgt Ion:228 Resp: 1347543
Ion Ratio Lower Upper
228 100
226 30.9 25.0 37.4
229 21.6 16.6 25.0





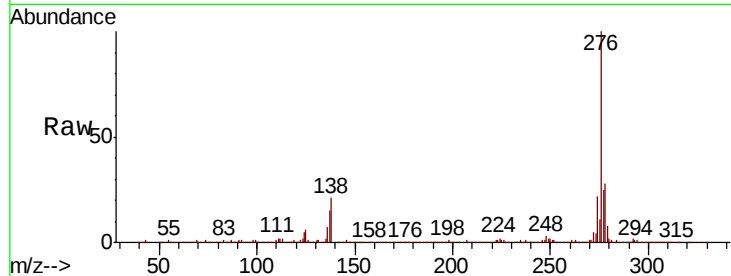
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 58.813 ng
 RT: 17.12 min Scan# 2556
 Delta R.T. 0.02 min
 Lab File: BF117985.D
 Acq: 26 Nov 2019 00:17

Instrument :
 BNA_F
 ClientSampled :
 TP-7

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.5	20.9	31.3
277	27.0	20.3	30.5

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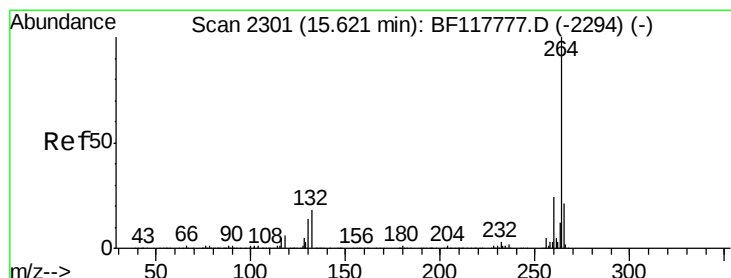
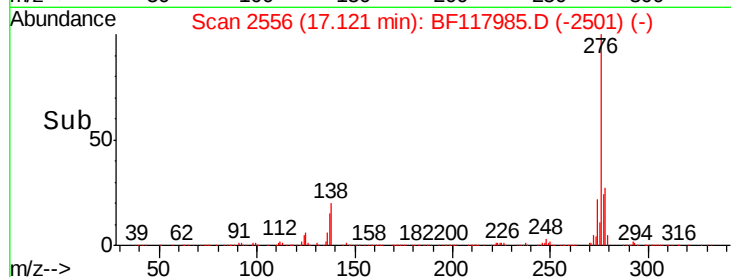
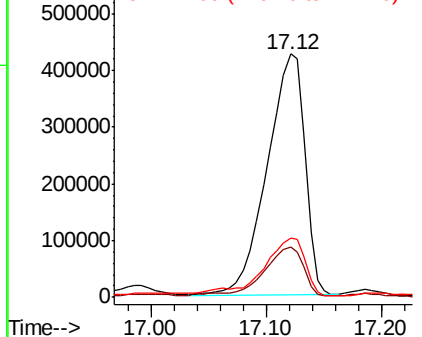


Abundance

Ion 276.00 (275.70 to 276.70): E

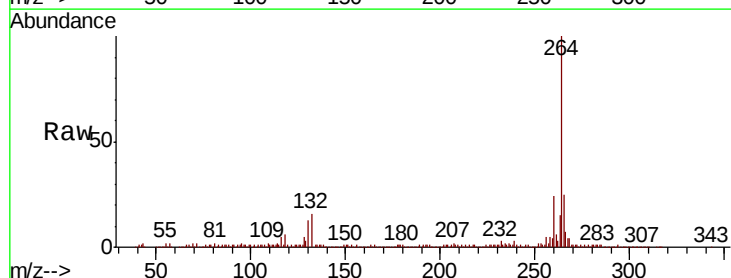
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.59 min Scan# 2296
 Delta R.T. 0.01 min
 Lab File: BF117985.D
 Acq: 26 Nov 2019 00:17

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.4	29.0
265	24.7	17.1	25.7

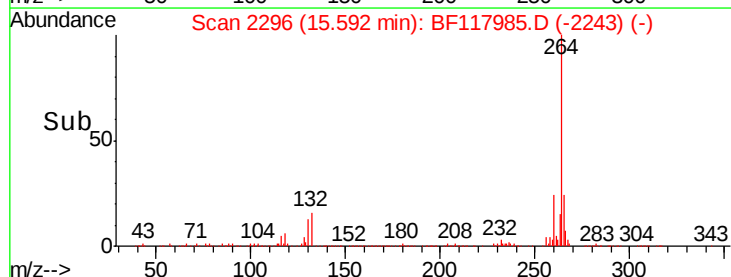
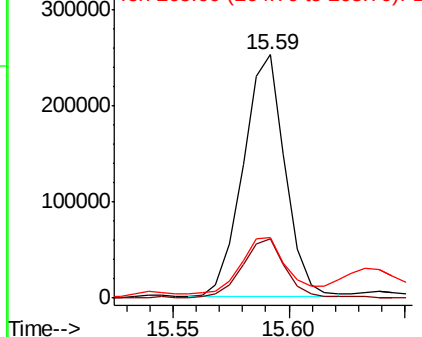


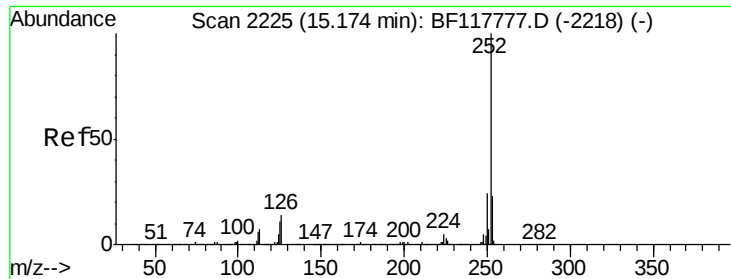
Abundance

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





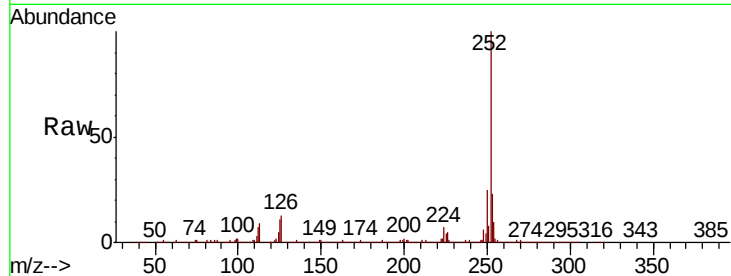
#88
Benzo(b)fluoranthene
Concen: 80.369 ng m
RT: 15.15 min Scan# 2221
Delta R.T. 0.01 min
Lab File: BF117985.D
Acq: 26 Nov 2019 00:17

Instrument :
BNA_F
ClientSampled :
TP-7

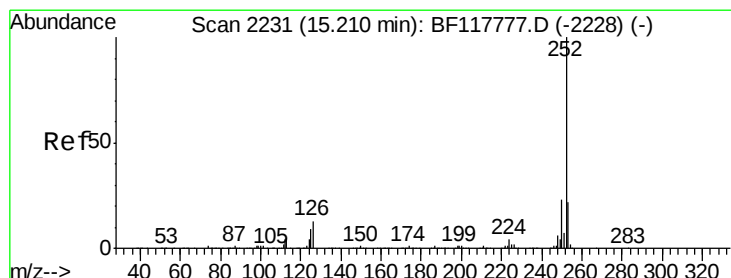
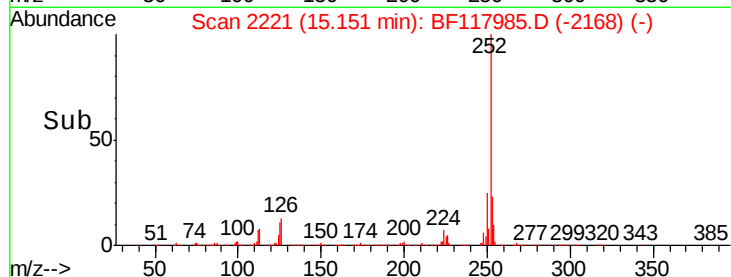
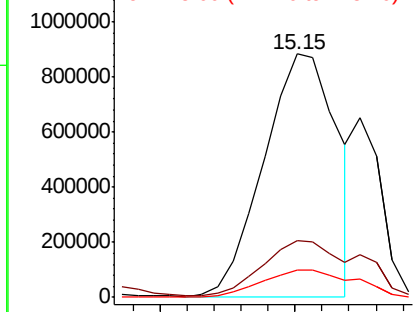
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.0	27.0
125	11.3	8.6	13.0

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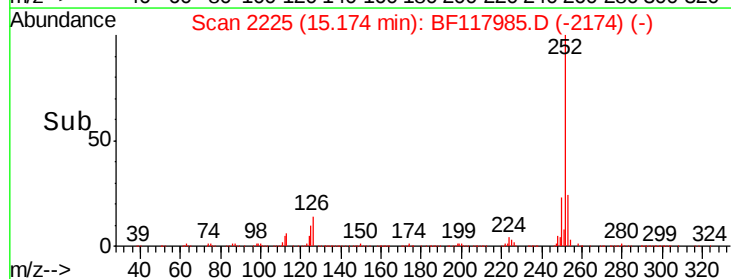
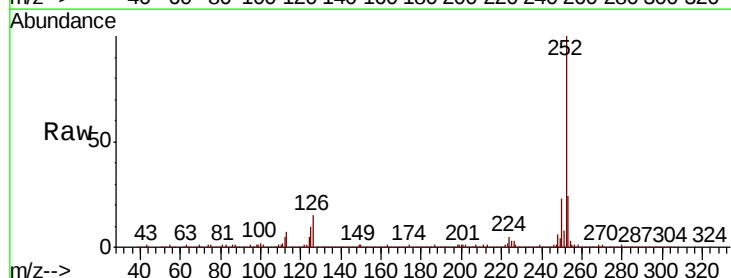
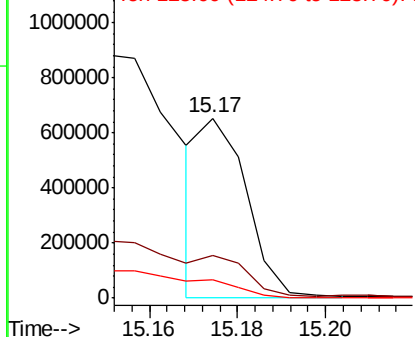
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

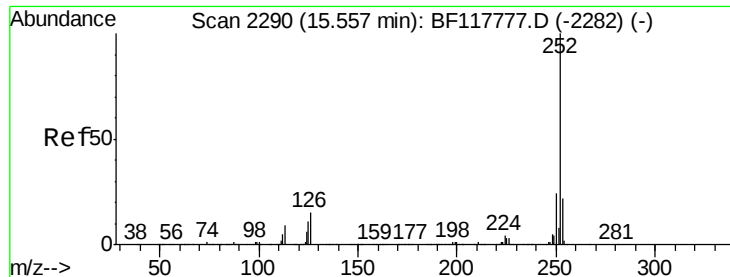


#89
Benzo(k)fluoranthene
Concen: 24.251 ng m
RT: 15.17 min Scan# 2225
Delta R.T. 0.00 min
Lab File: BF117985.D
Acq: 26 Nov 2019 00:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.5	26.3
125	10.5	7.9	11.9

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





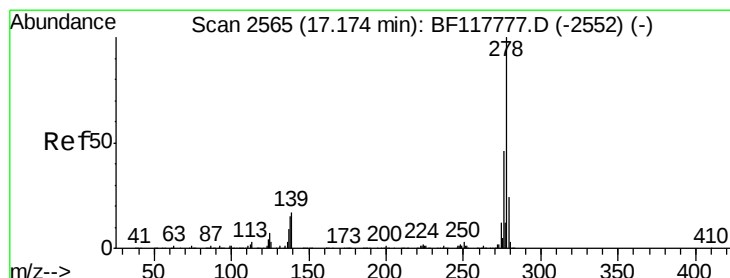
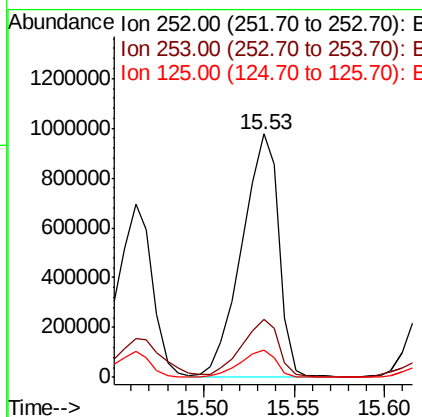
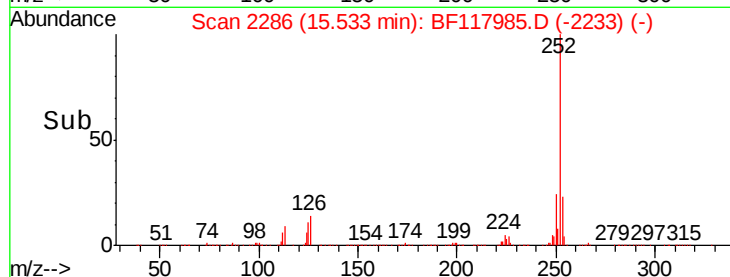
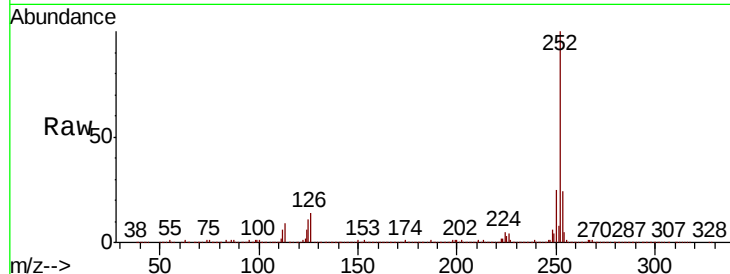
#90
Benzo(a)pyrene
Concen: 75.847 ng
RT: 15.53 min Scan# 2286
Delta R.T. 0.01 min
Lab File: BF117985.D
Acq: 26 Nov 2019 00:17

Instrument :
BNA_F
ClientSampleId :
TP-7

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.8	26.6
125	11.2	9.2	13.8

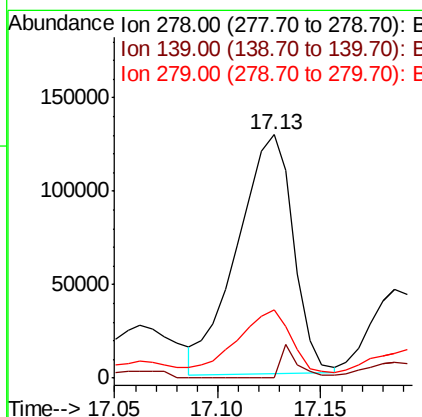
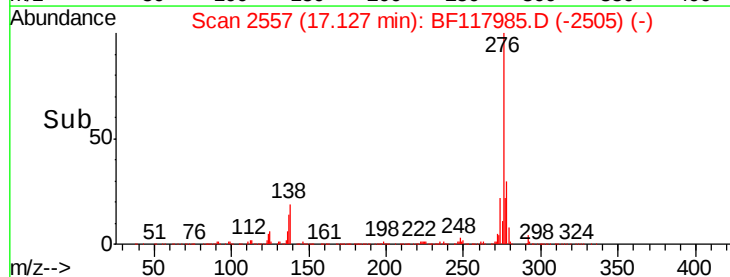
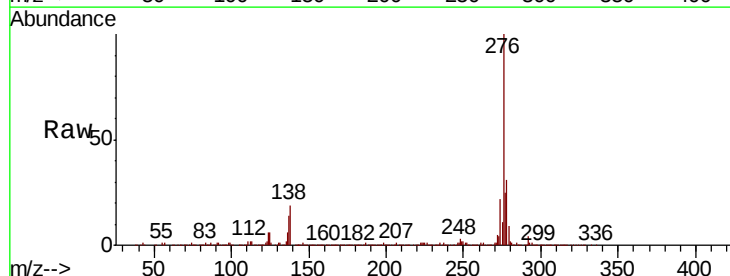
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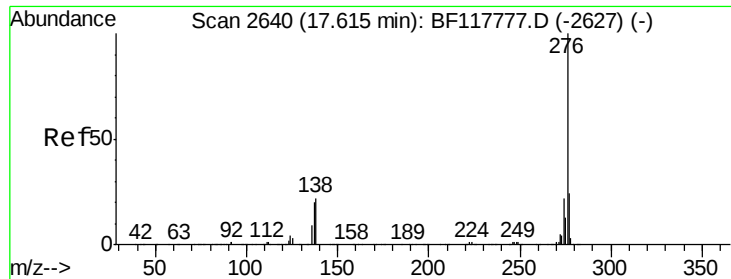
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#91
Dibenzo(a,h)anthracene
Concen: 15.565 ng m
RT: 17.13 min Scan# 2557
Delta R.T. 0.01 min
Lab File: BF117985.D
Acq: 26 Nov 2019 00:17

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.8	20.8#
279	28.1	19.6	29.4





#92
 Benzo(a,h,i)perylene
 Concen: 65.314 ng
 RT: 17.59 min Scan# 2636
 Delta R.T. 0.04 min
 Lab File: BF117985.D
 Acq: 26 Nov 2019 00:17

Instrument :
 BNA_F
 ClientSampleId :
 TP-7

Tot Ion	Ion	Ratio	Lower	Upper
276	100			
277	23.9	18.9	28.3	
138	20.8	17.4	26.2	

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