

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101219\
 Data File : BF117386.D
 Acq On : 12 Oct 2019 23:17
 Operator : JU
 Sample : K5316-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-9

Manual Integrations
 APPROVED

mohammad
 10/16/2019 8:06:02 AM

Quant Time: Oct 14 03:22:32 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 09 01:26:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	39127	20.00	ng	-0.01
21) Naphthalene-d8	8.07	136	160702	20.00	ng	-0.01
39) Acenaphthene-d10	9.83	164	88078	20.00	ng	-0.01
64) Phenanthrene-d10	11.32	188	151434	20.00	ng	-0.01
76) Chrysene-d12	13.96	240	95640	20.00	ng	-0.01
87) Perylene-d12	15.42	264	97566	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	240620	96.01	ng	-0.01
7) Phenol-d6	6.44	99	341400	105.41	ng	-0.01
23) Nitrobenzene-d5	7.36	82	212148	69.36	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	70809	96.19	ng	-0.01
45) 2-Fluorobiphenyl	9.15	172	328706	58.35	ng	-0.01
79) Terphenyl-d14	12.90	244	289111	56.50	ng	-0.01
Target Compounds						
10) Phenol	6.45	94	8801	2.465	ng	# 78
49) Acenaphthylene	9.69	152	18875	2.311	ng	95
50) Dimethylphthalate	9.55	163	61810	9.911	ng	# 98
71) Phenanthrene	11.34	178	88873	10.332	ng	98
75) Fluoranthene	12.53	202	106586	12.060	ng	98
78) Pyrene	12.76	202	142576	17.767	ng	98
81) Benzo(a)anthracene	13.95	228	51574	8.071	ng	99
83) Chrysene	13.99	228	48331	7.755	ng	100
86) Indeno(1,2,3-cd)pyrene	16.87	276	20624	4.536	ng	96
88) Benzo(b)fluoranthene	15.00	252	37462m	6.339	ng	
89) Benzo(k)fluoranthene	15.02	252	12011m	2.145	ng	
90) Benzo(a)pyrene	15.36	252	35064	6.761	ng	# 96
92) Benzo(a,h,i)perylene	17.31	276	21884	5.316	ng	96

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

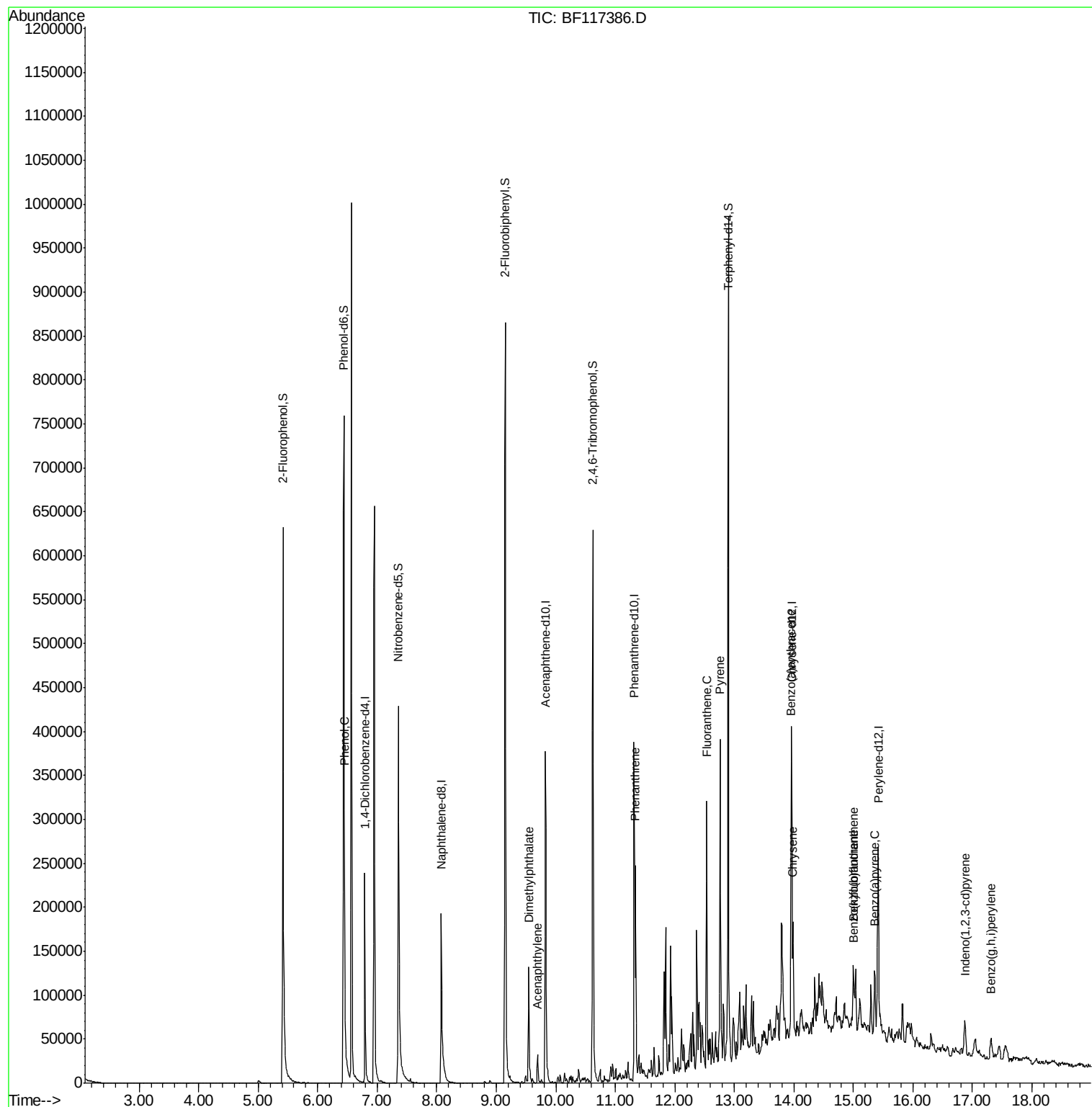
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101219\
Data File : BF117386.D
Acq On : 12 Oct 2019 23:17
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ALS Vial : 17 Sample Multiplier: 1

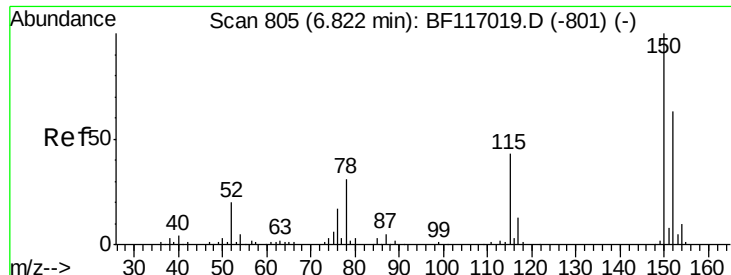
Instrument :
BNA_F
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TP-9

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#1

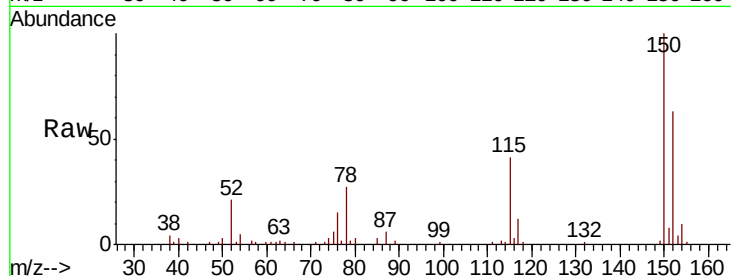
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.01 min
Lab File: BF117386.D
Acq: 12 Oct 2019 23:17

Instrument :
BNA_F
ClientSampled :
TP-9

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.4	127.5	191.3
115	66.1	55.0	82.4

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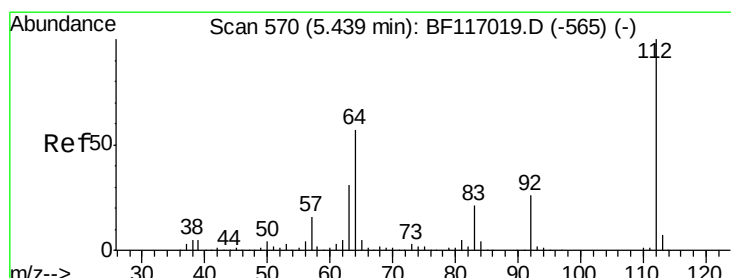
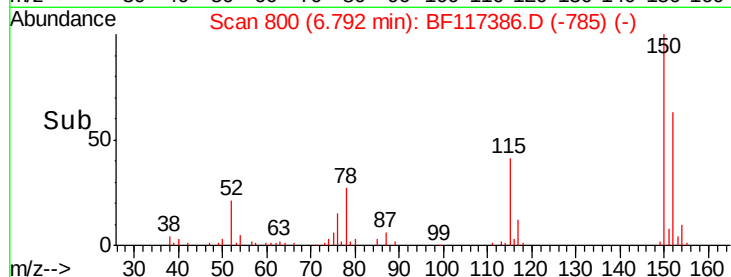
Abundance

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

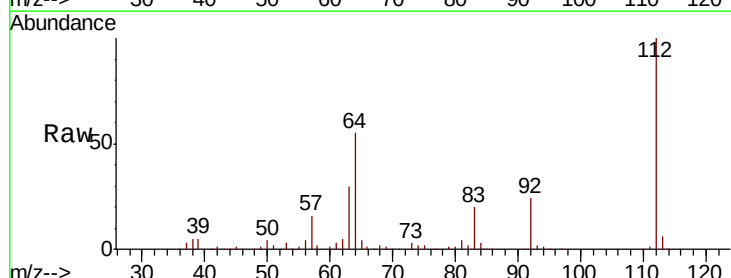
Time-->



#5

2-Fluorophenol
Concen: 96.012 ng
RT: 5.42 min Scan# 566
Delta R.T. -0.01 min
Lab File: BF117386.D
Acq: 12 Oct 2019 23:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.4	45.7	68.5
63	30.1	24.9	37.3



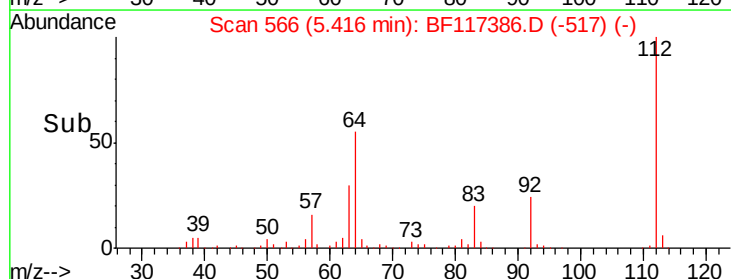
Abundance

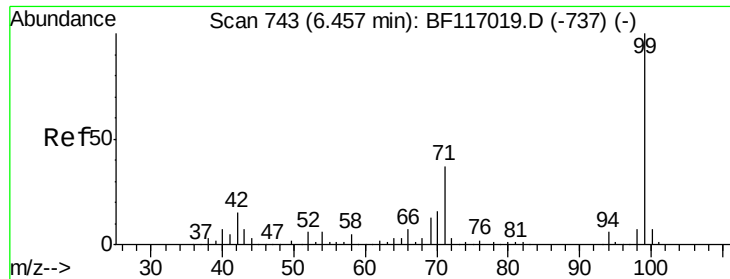
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Time-->





#7

Phenol-d6

Concen: 105.408 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF117386.D

Acq: 12 Oct 2019 23:17

Instrument :

BNA_F

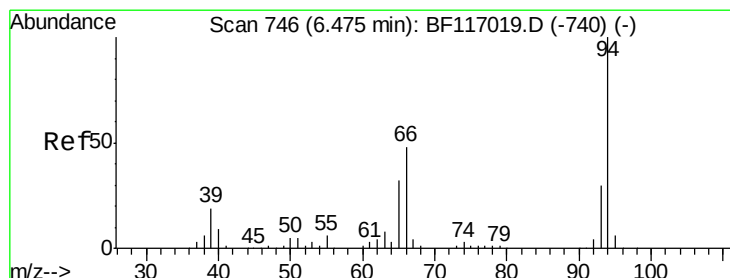
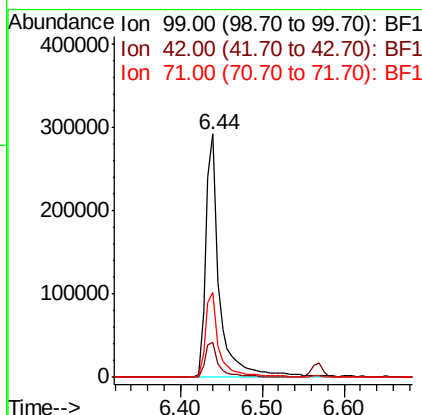
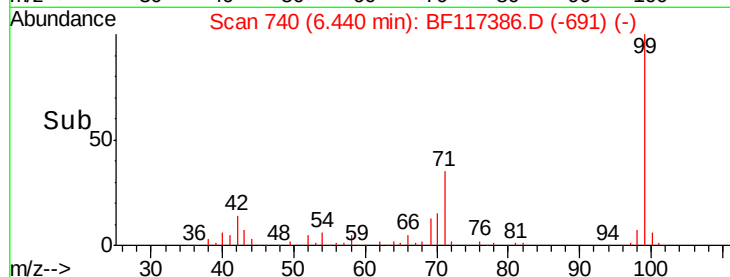
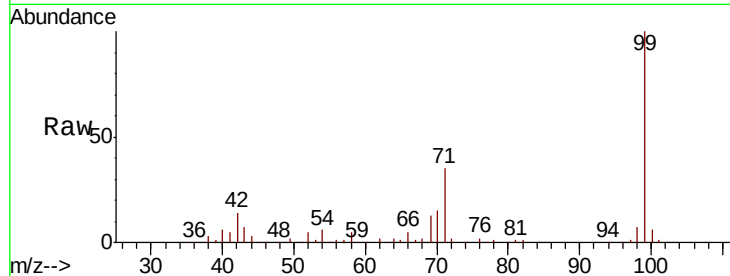
ClientSampled :

TP-9

Tot Ion:	99	Resp:	341400
Ion Ratio	Lower	Upper	
99	100		
42	14.4	12.2	18.2
71	34.7	29.8	44.8

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#10

Phenol

Concen: 2.465 ng

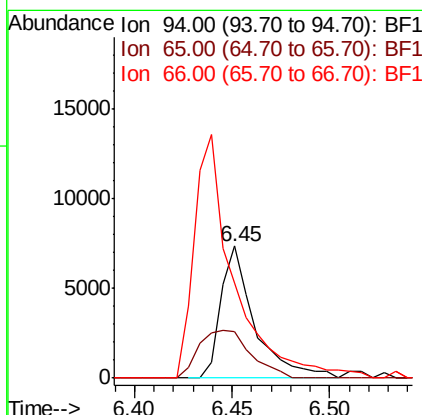
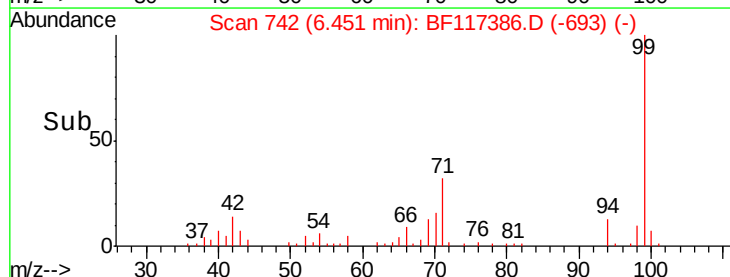
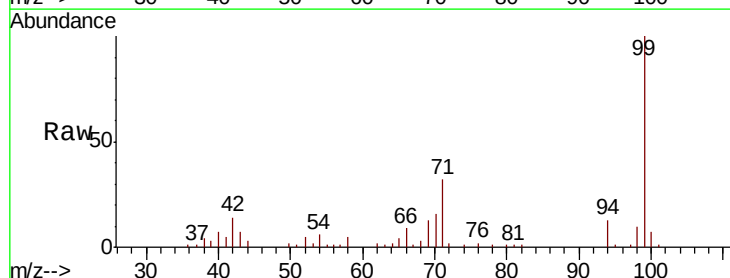
RT: 6.45 min Scan# 742

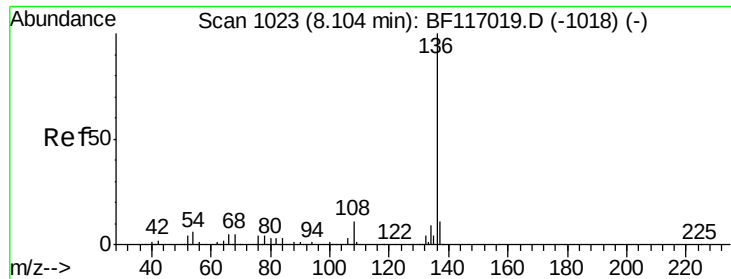
Delta R.T. -0.01 min

Lab File: BF117386.D

Acq: 12 Oct 2019 23:17

Tgt Ion:	94	Resp:	8801
Ion Ratio	Lower	Upper	
94	100		
65	34.8	12.5	52.5
66	71.8	28.9	68.9#





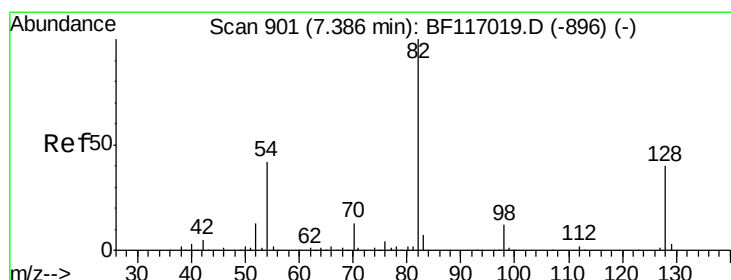
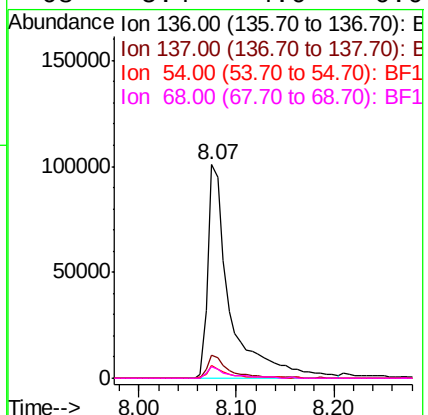
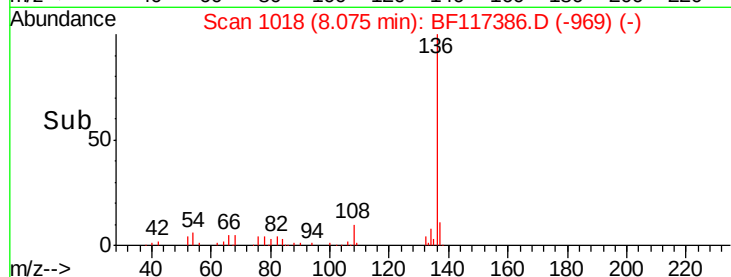
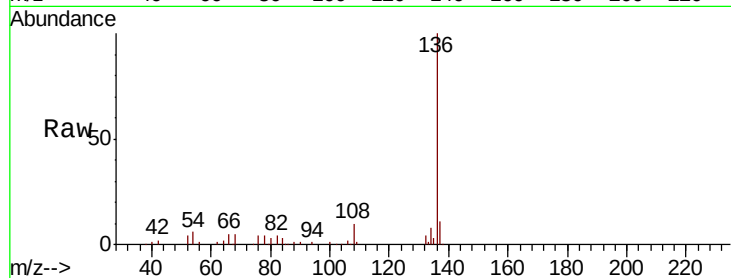
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF117386.D
Acq: 12 Oct 2019 23:17

Instrument :
BNA_F
ClientSampleId :
TP-9

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		160702		
137	11.0	9.0	13.4		
54	6.1	4.5	6.7		
68	5.4	4.0	6.0		

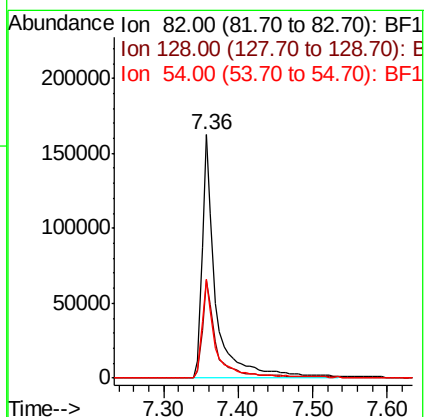
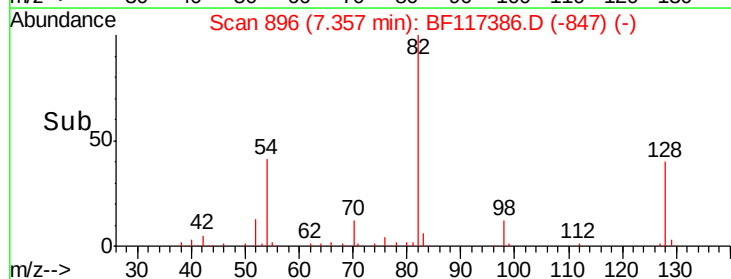
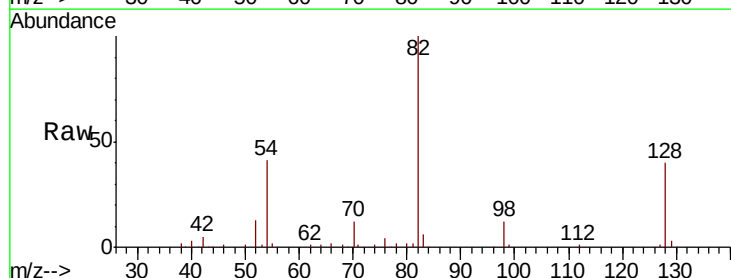
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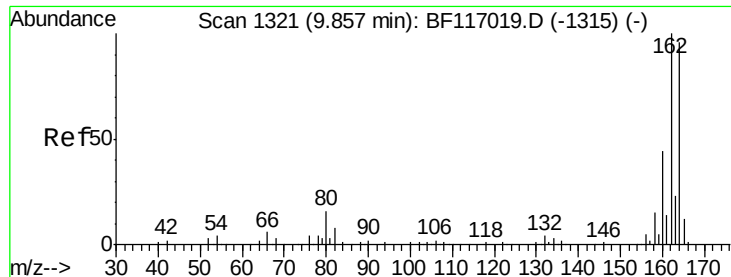
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#23
Nitrobenzene-d5
Concen: 69.363 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF117386.D
Acq: 12 Oct 2019 23:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		212148		
128	40.3	32.3	48.5		
54	40.7	33.3	49.9		





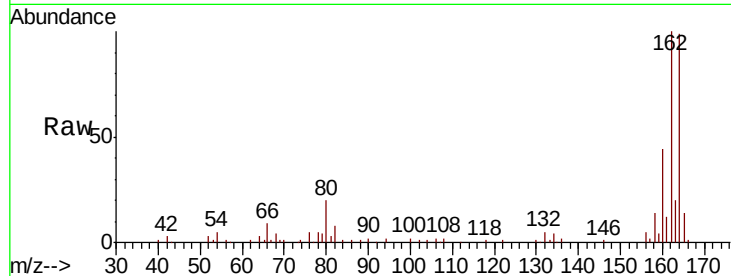
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF117386.D
Acq: 12 Oct 2019 23:17

Instrument :
BNA_F
ClientSampled :
TP-9

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.8	83.4	125.2
160	44.3	36.4	54.6

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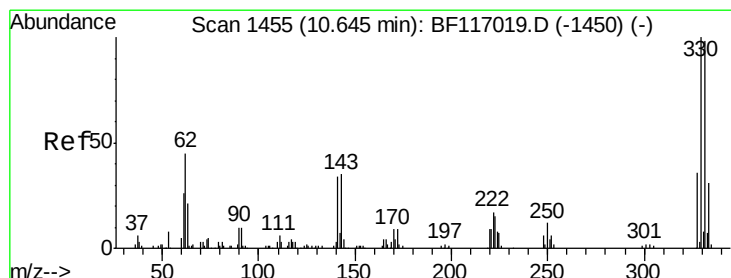
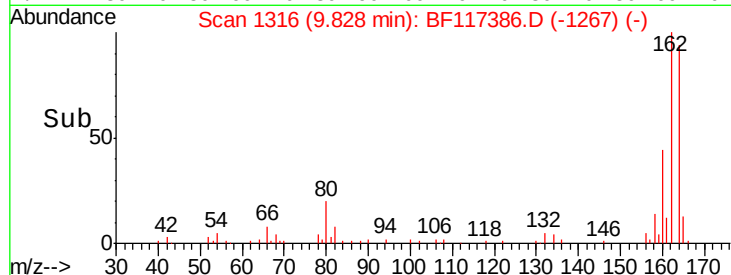
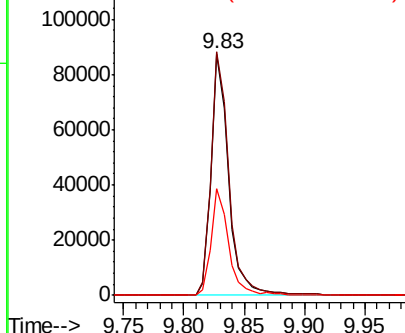


Abundance

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: 96.191 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BF117386.D
Acq: 12 Oct 2019 23:17

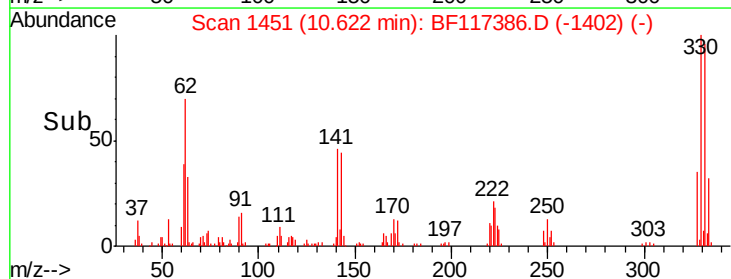
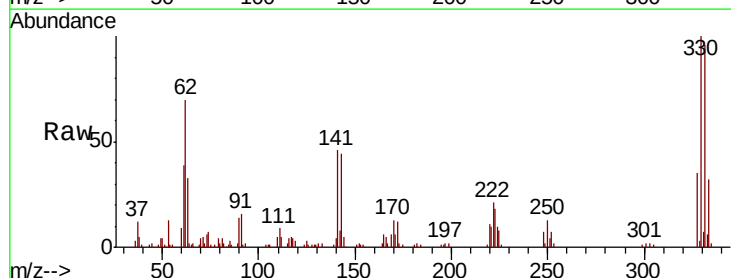
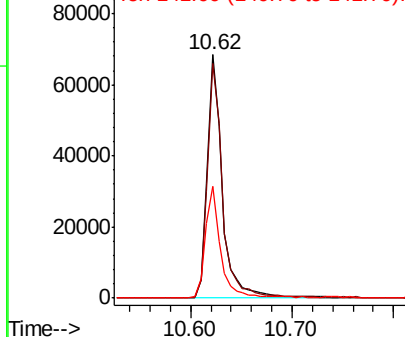
Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.4	78.0	117.0
141	46.3	35.8	53.6

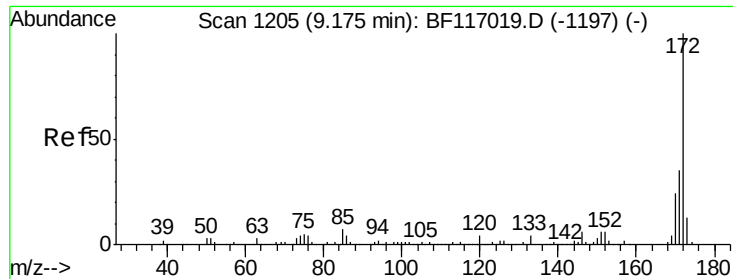
Abundance

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





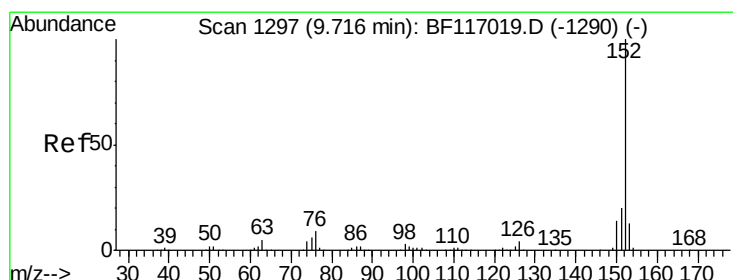
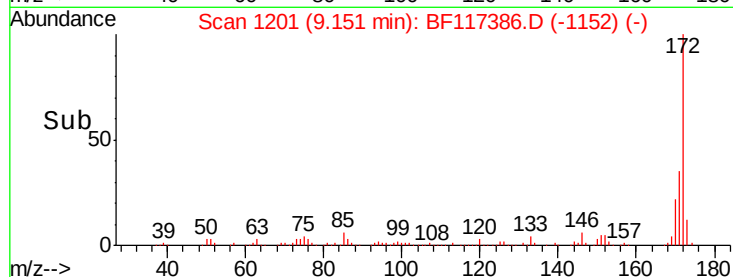
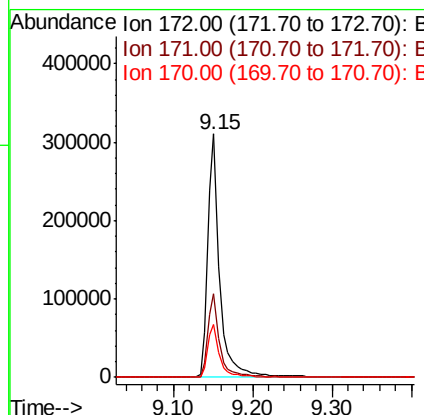
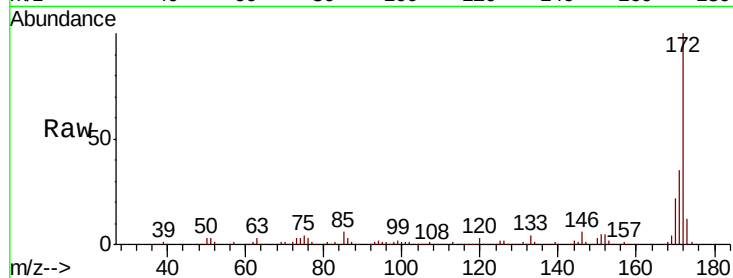
#45
2-Fluorobiphenyl
Concen: 58.352 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BF117386.D
Acq: 12 Oct 2019 23:17

Instrument :
BNA_F
ClientSampleId :
TP-9

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	34.5	28.2	42.2	
170	21.9	18.9	28.3	

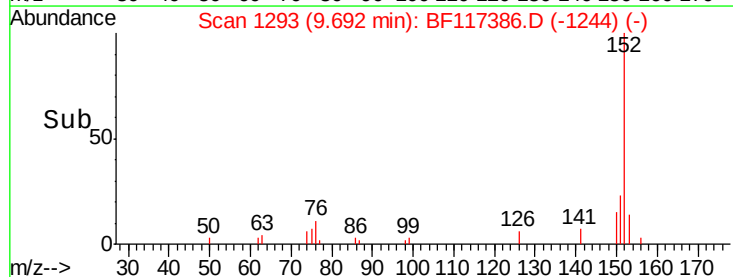
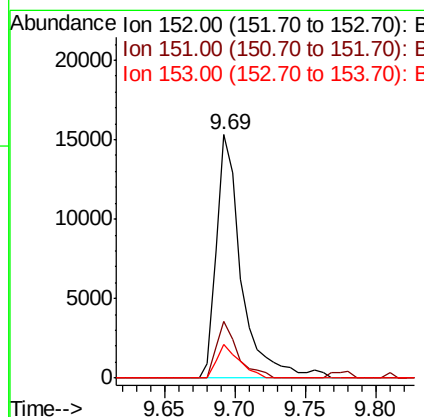
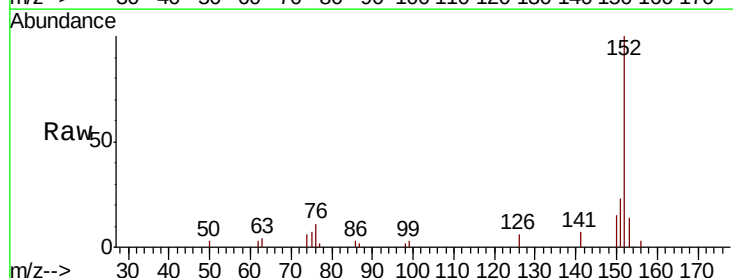
Manual Integrations
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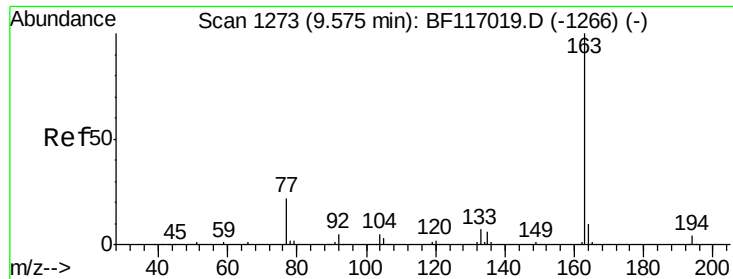
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#49
Acenaphthylene
Concen: 2.311 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF117386.D
Acq: 12 Oct 2019 23:17

Tgt Ion	Ratio	Resp	Lower	Upper
152	100			
151	23.3	16.2	24.2	
153	13.7	10.2	15.4	





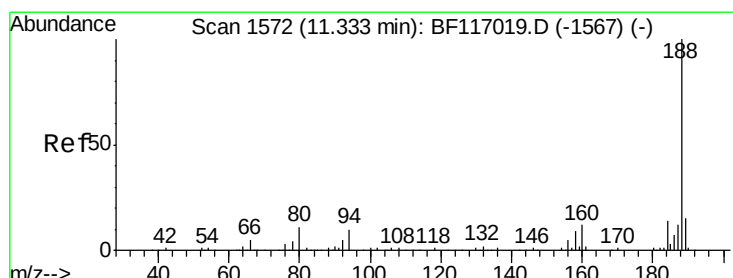
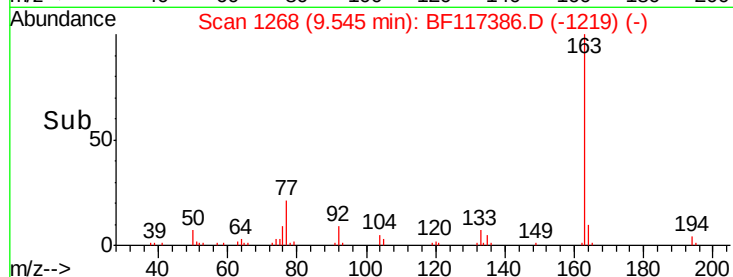
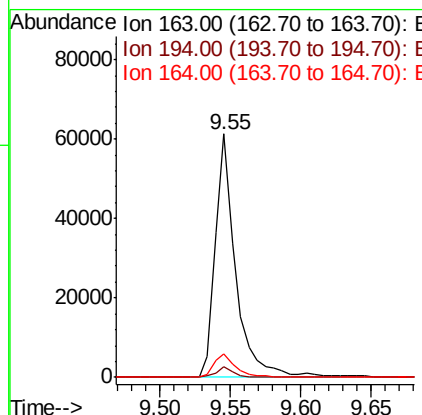
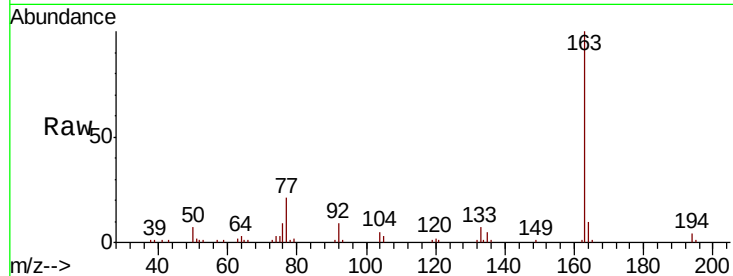
#50
Dimethylphthalate
Concen: 9.911 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF117386.D
Acq: 12 Oct 2019 23:17

Instrument :
BNA_F
ClientSampleId :
TP-9

Tot Ion:163 Resp: 61810
Ion Ratio Lower Upper
163 100
194 4.3 2.9 4.3#
164 9.7 8.2 12.4

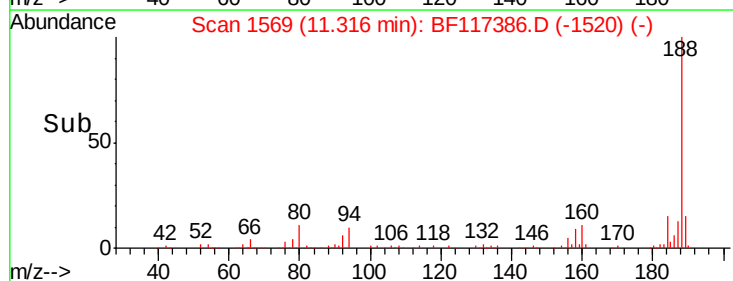
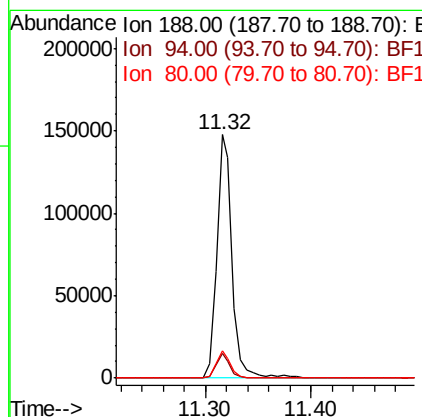
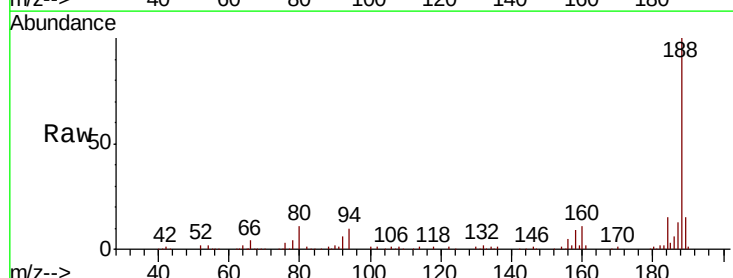
Manual Integrations
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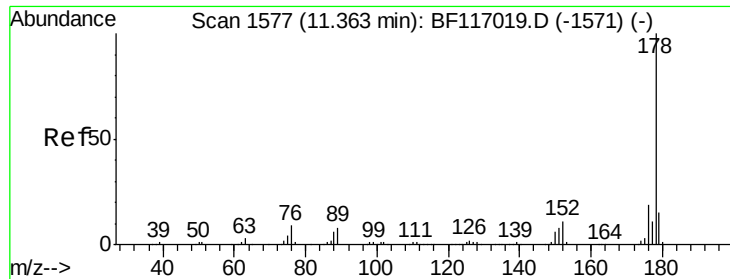
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF117386.D
Acq: 12 Oct 2019 23:17

Tgt Ion:188 Resp: 151434
Ion Ratio Lower Upper
188 100
94 10.2 8.2 12.2
80 11.1 9.0 13.6





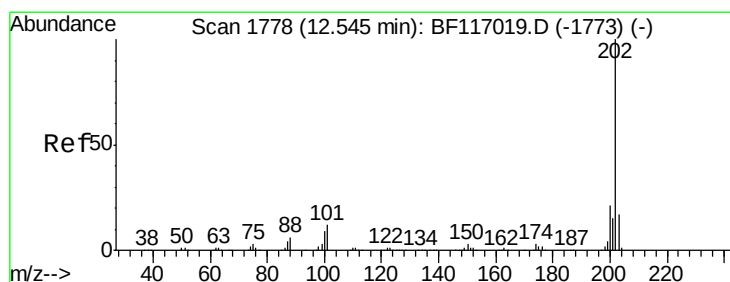
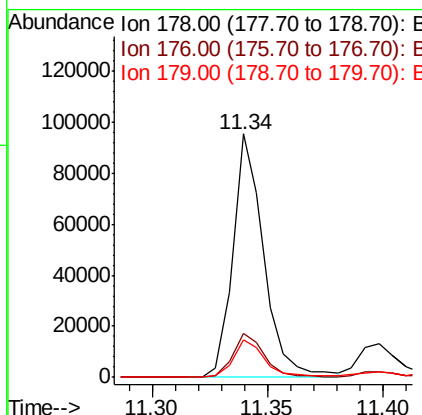
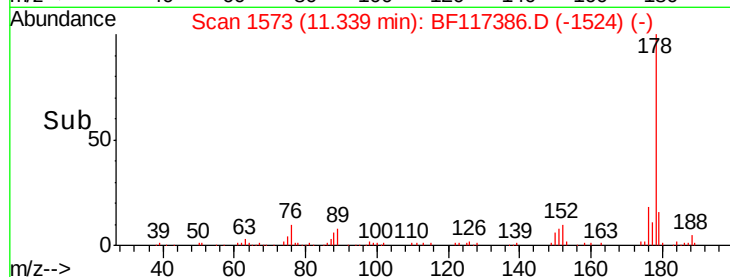
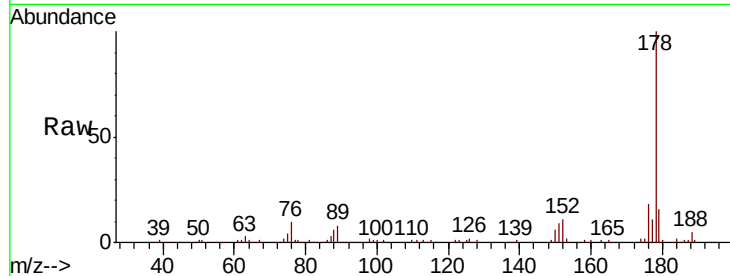
#71
 Phenanthrene
 Concen: 10.332 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. -0.01 min
 Lab File: BF117386.D
 Acq: 12 Oct 2019 23:17

Instrument :
 BNA_F
 ClientSampleId :
 TP-9

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.4	23.2
179	15.5	12.4	18.6

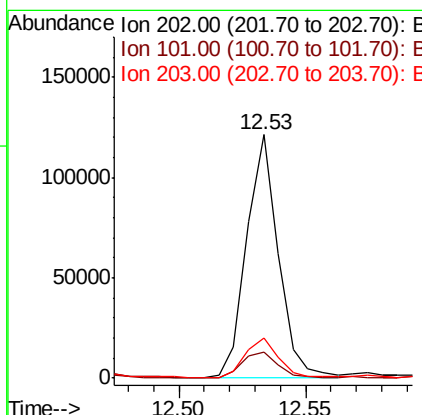
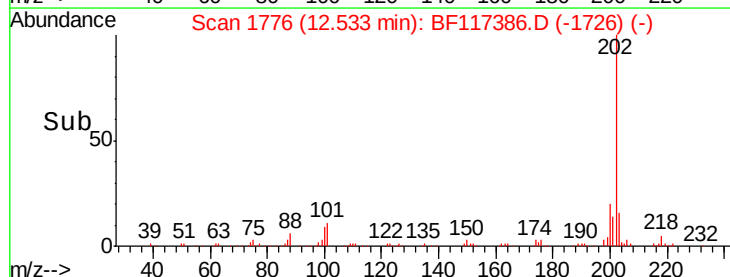
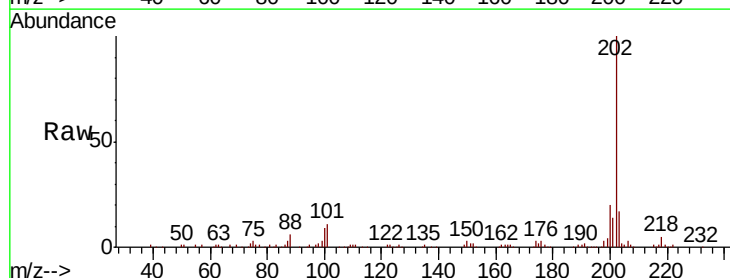
Manual Integrations
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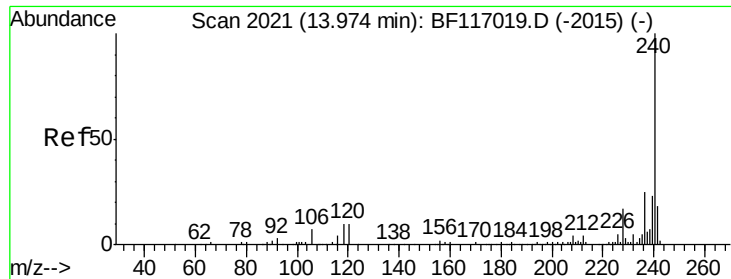
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#75
 Fluoranthene
 Concen: 12.060 ng
 RT: 12.53 min Scan# 1776
 Delta R.T. -0.01 min
 Lab File: BF117386.D
 Acq: 12 Oct 2019 23:17

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	32.3
203	16.7	0.0	37.1





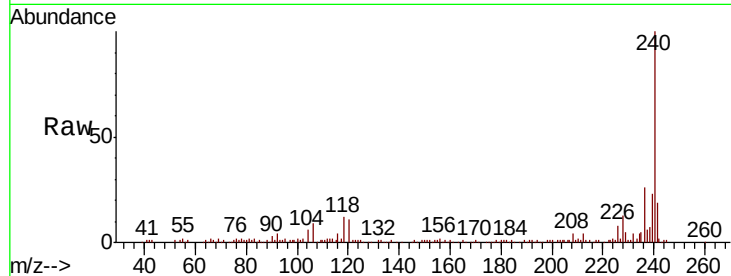
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BF117386.D
Acq: 12 Oct 2019 23:17

Instrument :
BNA_F
ClientSampled :
TP-9

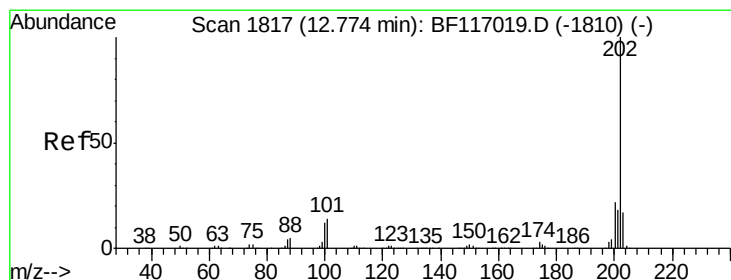
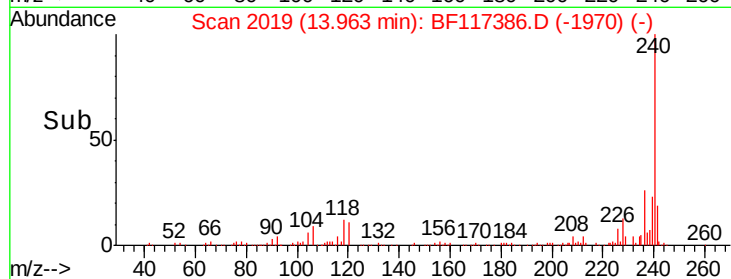
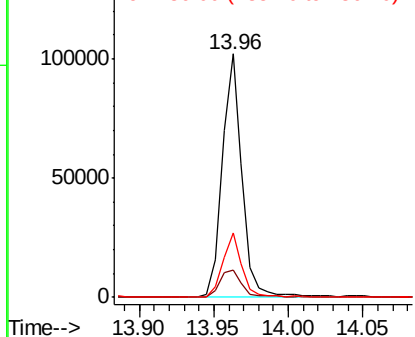
Tot Ion	Ratio	Lower	Upper
240	100		
120	11.4	8.3	12.5
236	26.4	20.3	30.5

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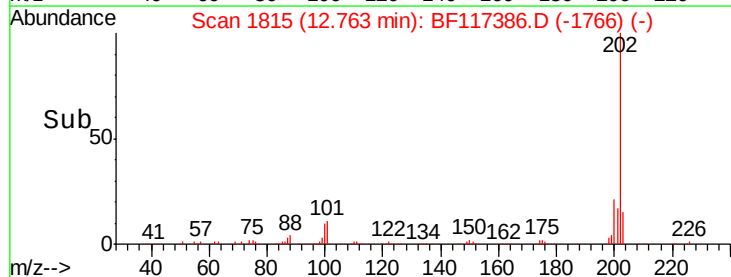
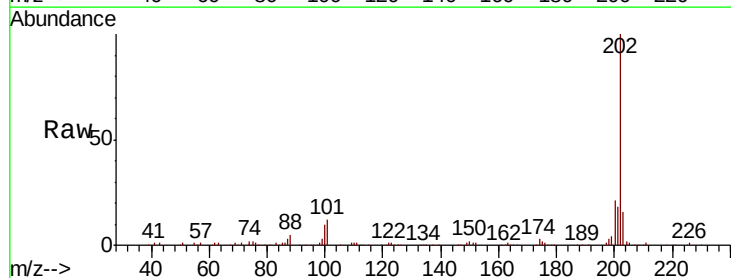
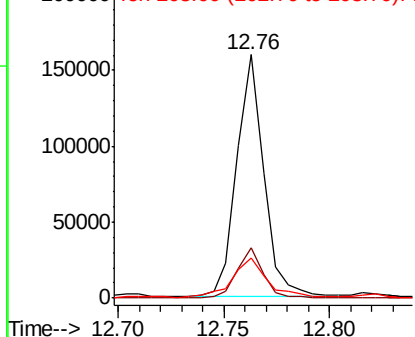
Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

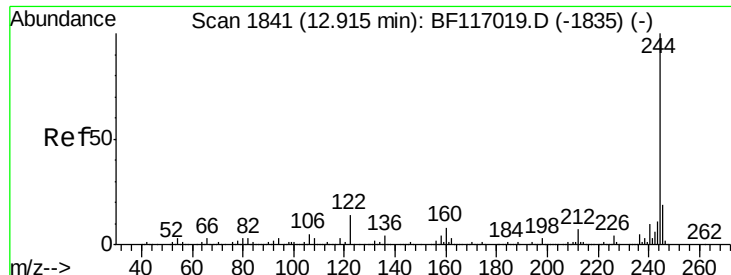


#78
Pyrene
Concen: 17.767 ng
RT: 12.76 min Scan# 1815
Delta R.T. -0.01 min
Lab File: BF117386.D
Acq: 12 Oct 2019 23:17

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.2	25.8
203	16.5	14.0	21.0

Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





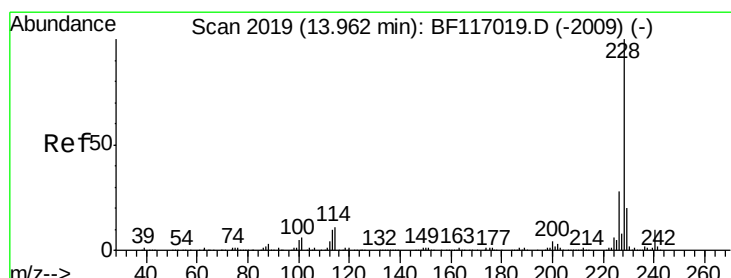
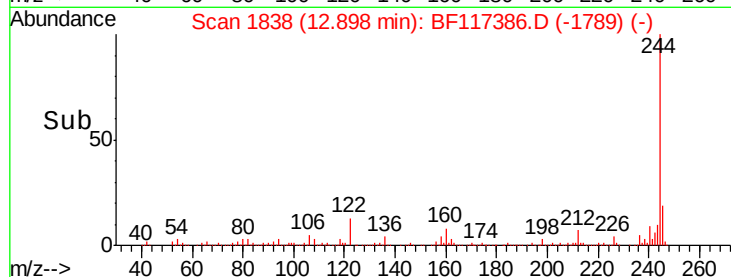
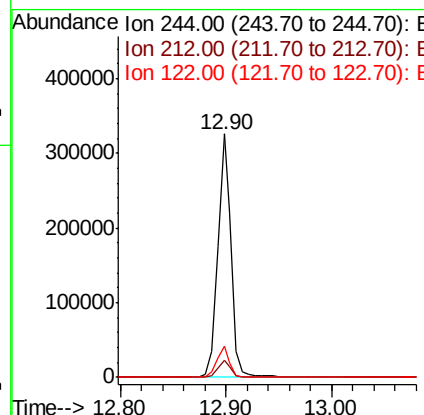
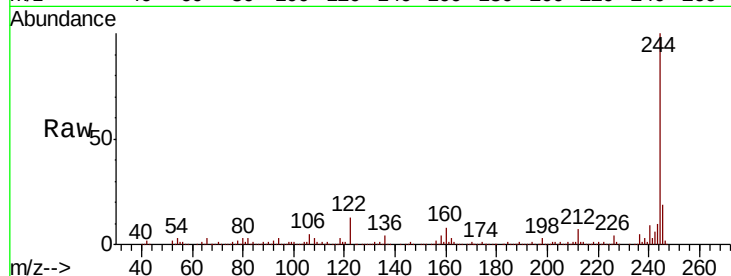
#79
 Terphenyl-d14
 Concen: 56.505 ng
 RT: 12.90 min Scan# 1838
 Delta R.T. -0.01 min
 Lab File: BF117386.D
 Acq: 12 Oct 2019 23:17

Instrument :
 BNA_F
 ClientSampleId :
 TP-9

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.8
122	12.9	11.3	16.9

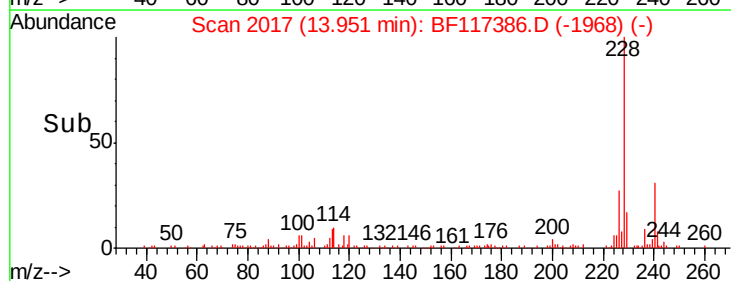
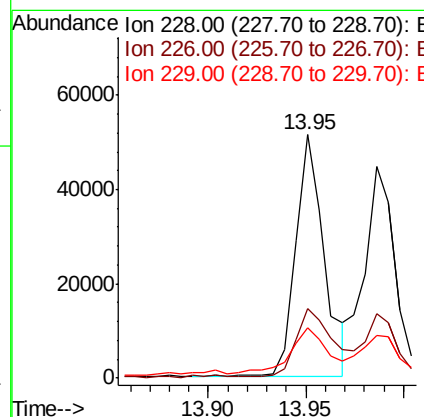
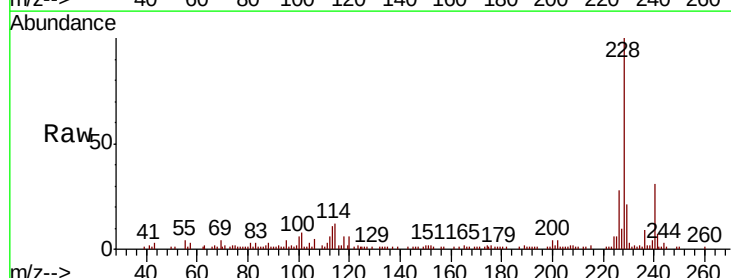
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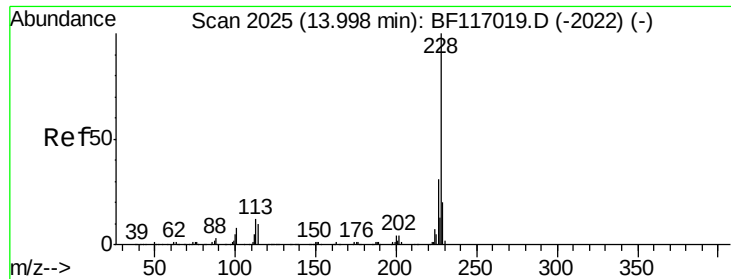
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#81
 Benzo(a)anthracene
 Concen: 8.071 ng
 RT: 13.95 min Scan# 2017
 Delta R.T. -0.01 min
 Lab File: BF117386.D
 Acq: 12 Oct 2019 23:17

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.3	33.5
229	20.7	15.9	23.9





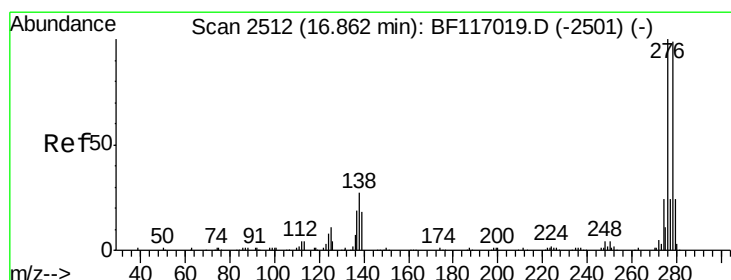
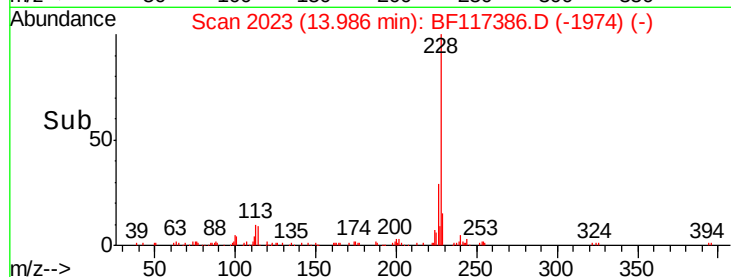
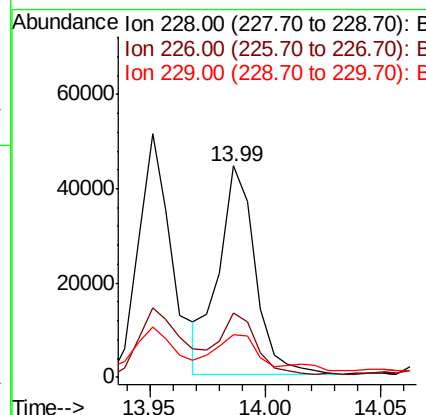
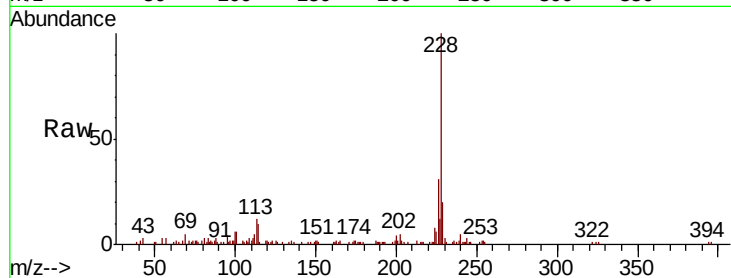
#83
Chrysene
Concen: 7.755 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF117386.D
Acq: 12 Oct 2019 23:17

Instrument :
BNA_F
ClientSampleId :
TP-9

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.8	37.2
229	20.0	15.8	23.8

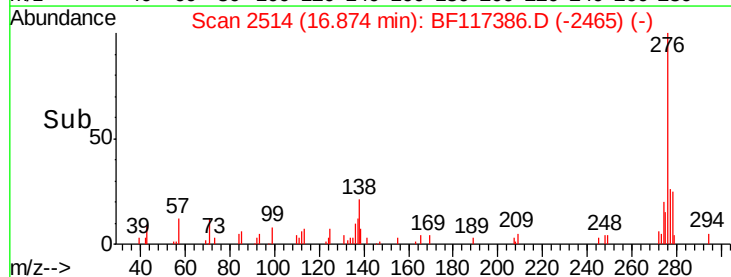
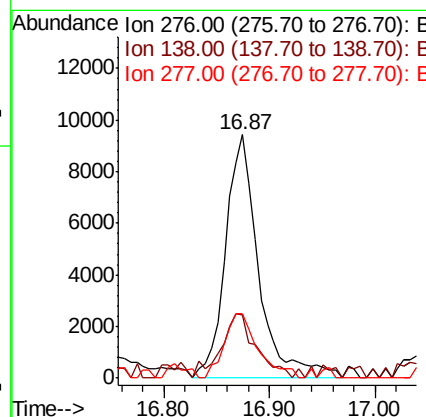
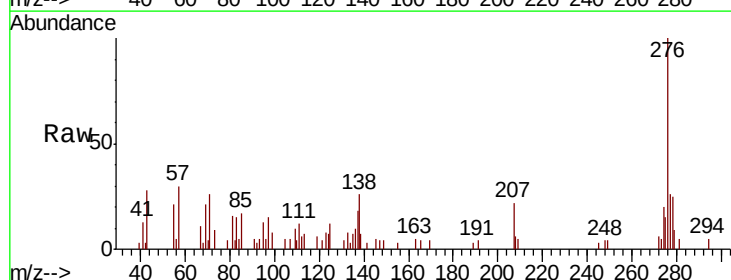
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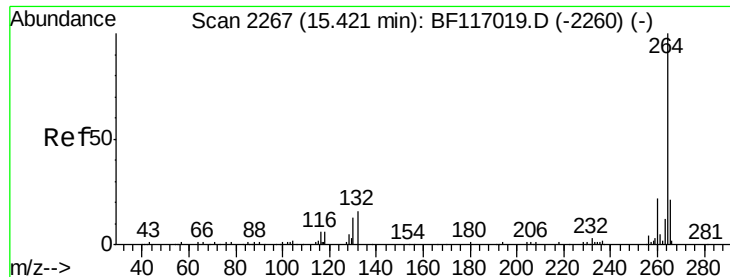
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#86
Indeno(1,2,3-cd)pyrene
Concen: 4.536 ng
RT: 16.87 min Scan# 2514
Delta R.T. -0.01 min
Lab File: BF117386.D
Acq: 12 Oct 2019 23:17

Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.7	20.7	31.1
277	26.8	19.8	29.8





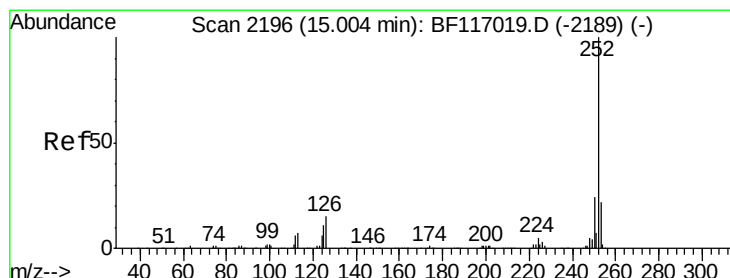
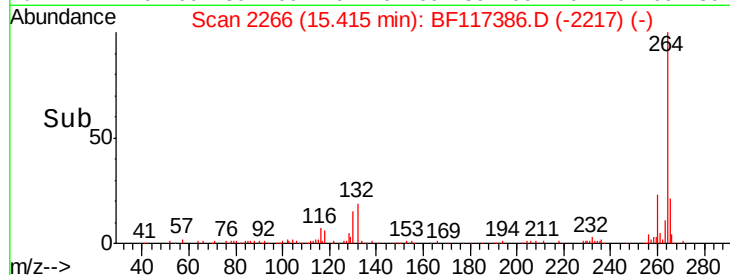
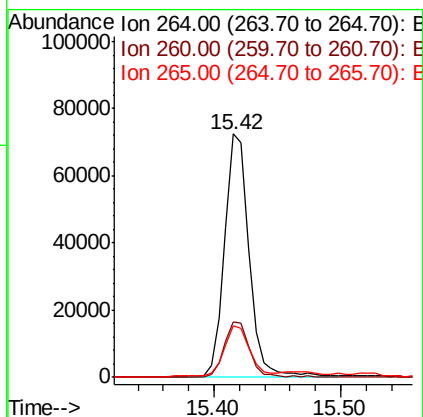
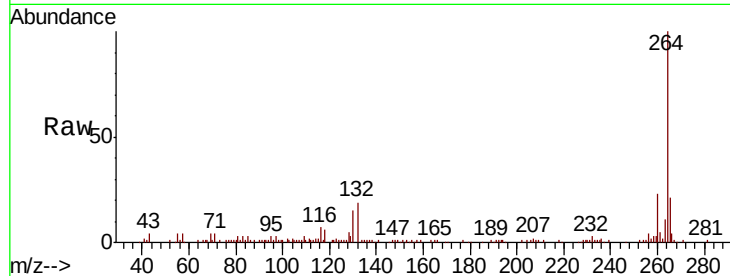
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.01 min
Lab File: BF117386.D
Acq: 12 Oct 2019 23:17

Instrument :
BNA_F
ClientSampled :
TP-9

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.6	17.6	26.4
265	21.0	16.6	24.8

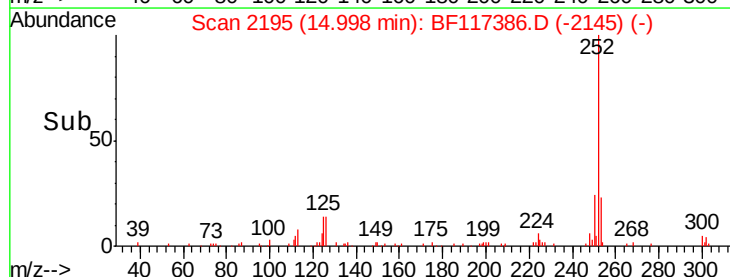
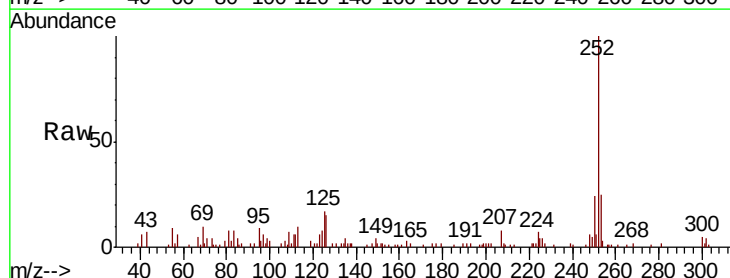
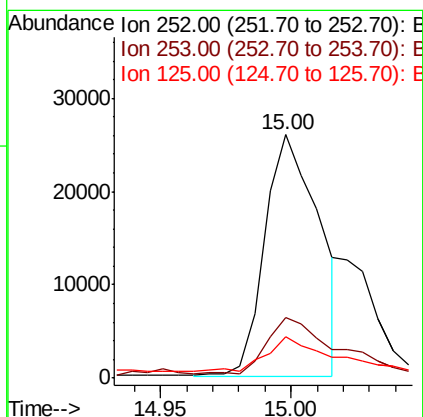
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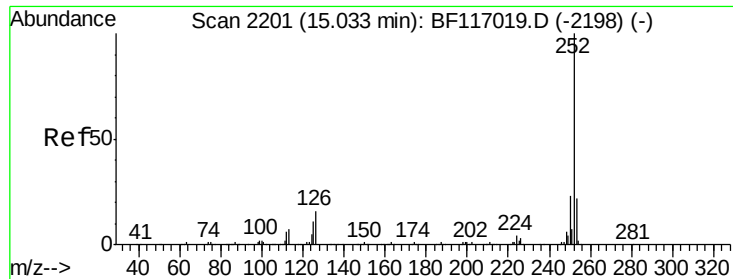
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#88
Benzo(b)fluoranthene
Concen: 6.339 ng m
RT: 15.00 min Scan# 2195
Delta R.T. -0.01 min
Lab File: BF117386.D
Acq: 12 Oct 2019 23:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.6	26.4
125	17.2	8.6	12.8





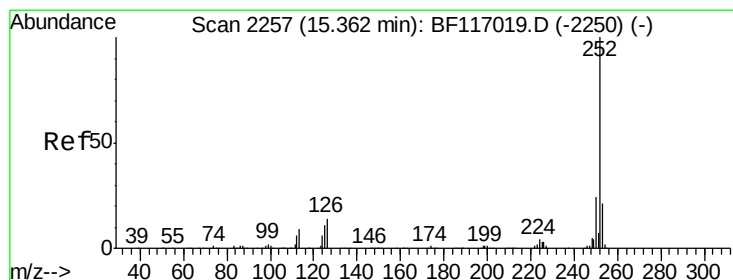
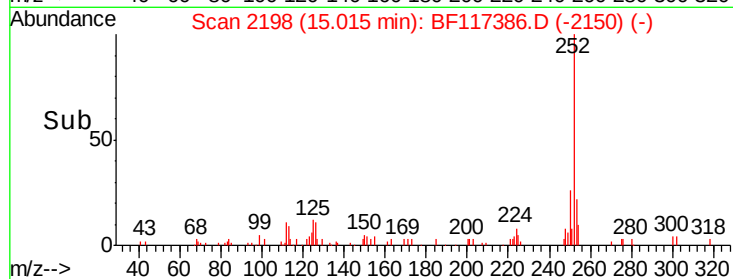
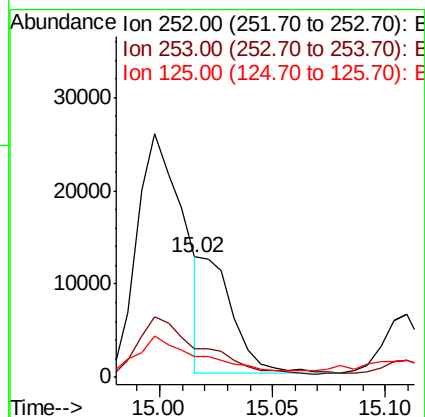
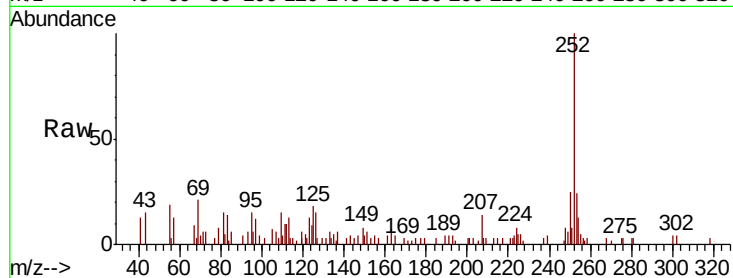
#89
Benzo(k)fluoranthene
Concen: 2.145 ng m
RT: 15.02 min Scan# 2198
Delta R.T. -0.02 min
Lab File: BF117386.D
Acq: 12 Oct 2019 23:17

Instrument :
BNA_F
ClientSampled :
TP-9

Tot Ion:	252	Resp:	12011
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.4	26.2
125	17.5	8.8	13.2#

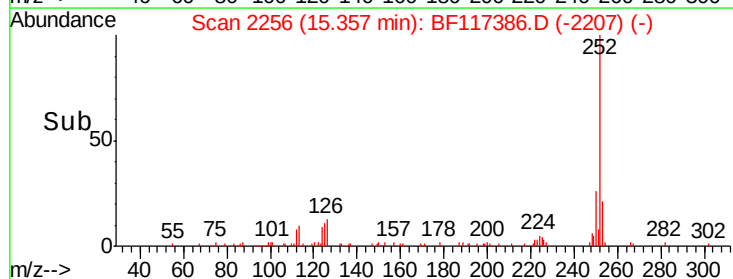
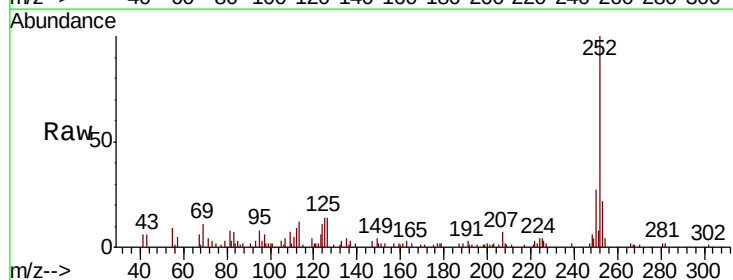
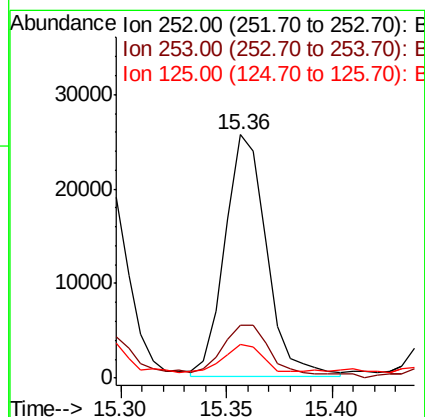
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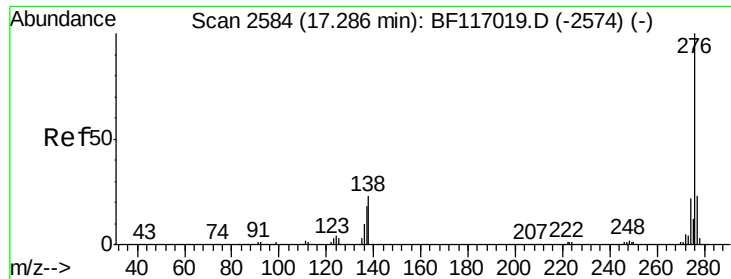
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#90
Benzo(a)pyrene
Concen: 6.761 ng
RT: 15.36 min Scan# 2256
Delta R.T. -0.01 min
Lab File: BF117386.D
Acq: 12 Oct 2019 23:17

Tgt Ion:	252	Resp:	35064
Ion Ratio	Lower	Upper	
252	100		
253	21.5	16.6	25.0
125	14.0	8.9	13.3#





#92
 Benzo(a,h,i)perylene
 Concen: 5.316 ng
 RT: 17.31 min Scan# 2588
 Delta R.T. -0.01 min
 Lab File: BF117386.D
 Acq: 12 Oct 2019 23:17

Instrument :
 BNA_F
 ClientSampleId :
 TP-9

Tot Ion:	276	Resp:	21884
Ion Ratio	Lower	Upper	
276	100		
277	22.0	18.6	27.8
138	25.0	18.0	27.0

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