

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101219\
 Data File : BF117385.D
 Acq On : 12 Oct 2019 22:50
 Operator : JU
 Sample : K5316-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-8

Manual Integrations
 APPROVED

mohammad
 10/16/2019 8:05:59 AM

Quant Time: Oct 14 03:17:37 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	42332	20.00	ng	-0.01
21) Naphthalene-d8	8.08	136	180174	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	97748	20.00	ng	-0.01
64) Phenanthrene-d10	11.32	188	162601	20.00	ng	-0.01
76) Chrysene-d12	13.96	240	104120	20.00	ng	-0.01
87) Perylene-d12	15.42	264	107157	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	260177	95.96	ng	-0.01
7) Phenol-d6	6.44	99	376932	107.57	ng	-0.01
23) Nitrobenzene-d5	7.36	82	225238	65.68	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	82695	101.22	ng	-0.01
45) 2-Fluorobiphenyl	9.15	172	412184	65.93	ng	-0.01
79) Terphenyl-d14	12.90	244	398116	71.47	ng	-0.01
Target Compounds						
10) Phenol	6.45	94	8760	2.268	ng	Qvalue # 81
50) Dimethylphthalate	9.55	163	46398	6.704	ng	99
58) Fluorene	10.38	166	15804	2.475	ng	96
71) Phenanthrene	11.34	178	139064	15.057	ng	99
72) Anthracene	11.40	178	35185m	3.732	ng	
75) Fluoranthene	12.53	202	302436	31.870	ng	99
78) Pyrene	12.76	202	253851	29.057	ng	98
81) Benzo(a)anthracene	13.95	228	100690	14.474	ng	99
83) Chrysene	13.99	228	95164	14.026	ng	96
86) Indeno(1,2,3-cd)pyrene	16.87	276	46848	9.464	ng	97
88) Benzo(b)fluoranthene	15.00	252	109763m	16.910	ng	
89) Benzo(k)fluoranthene	15.02	252	35030m	5.697	ng	
90) Benzo(a)pyrene	15.36	252	71587	12.568	ng	# 94
91) Dibenzo(a,h)anthracene	16.87	278	12626	2.783	ng	# 89
92) Benzo(a,h,i)perylene	17.31	276	44939	9.939	ng	# 92

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

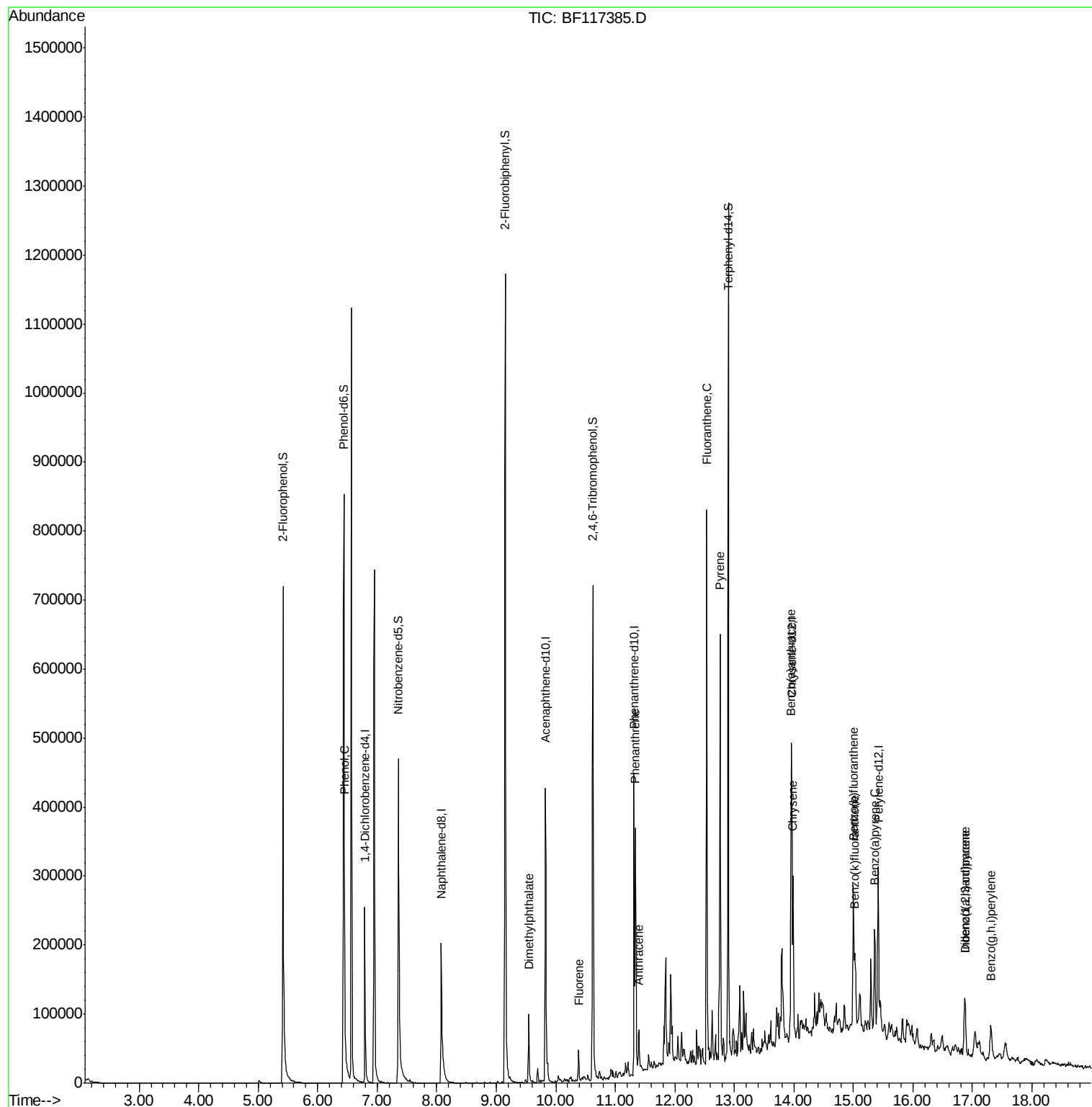
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101219\
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#1

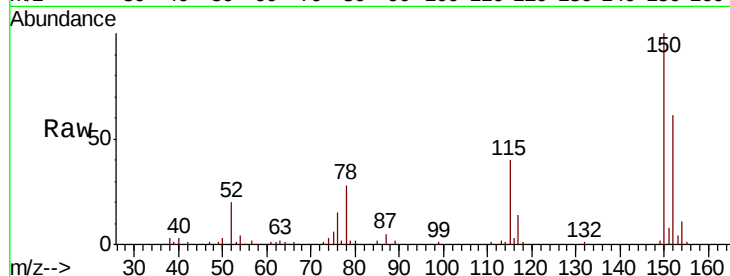
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.01 min
Lab File: BF117385.D
Acq: 12 Oct 2019 22:50

Instrument :
BNA_F
ClientSampleId :
TP-8

Tot Ion	Ratio	Lower	Upper
152	100		
150	163.1	127.5	191.3
115	64.9	55.0	82.4

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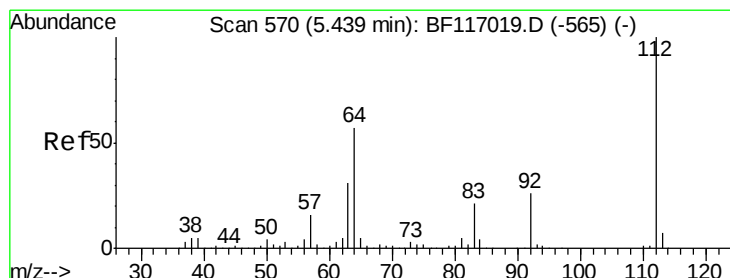
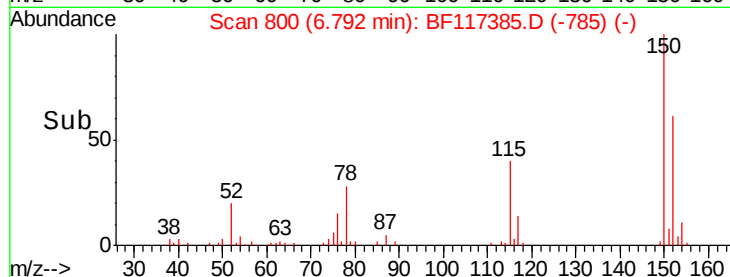
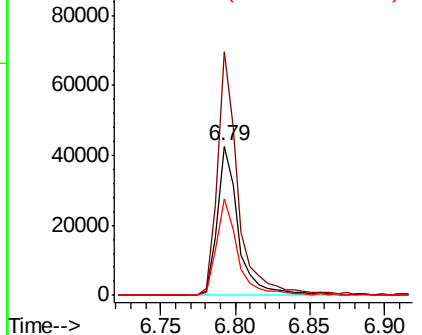


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

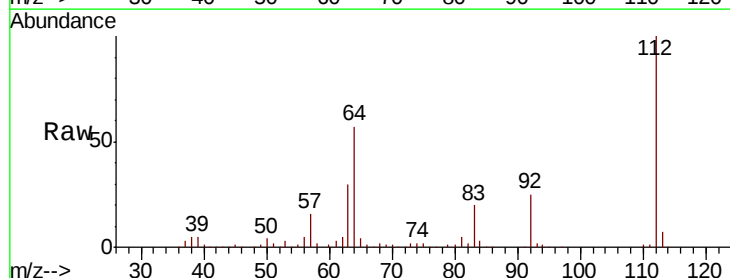
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 95.956 ng
RT: 5.42 min Scan# 566
Delta R.T. -0.01 min
Lab File: BF117385.D
Acq: 12 Oct 2019 22:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.2	45.7	68.5
63	29.7	24.9	37.3

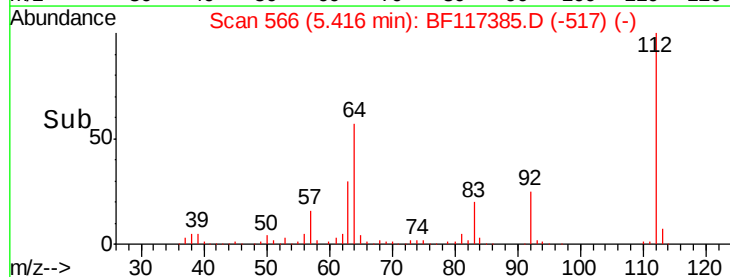
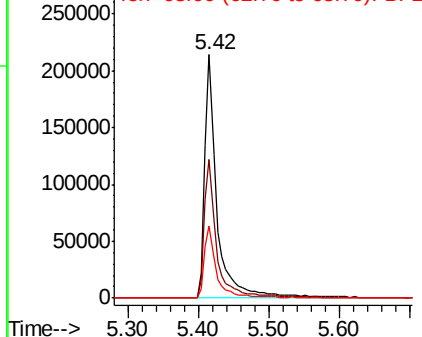


Abundance

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: 107.568 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF117385.D

Acq: 12 Oct 2019 22:50

Instrument :

BNA_F

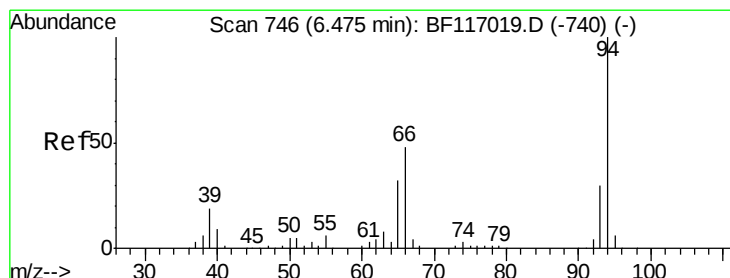
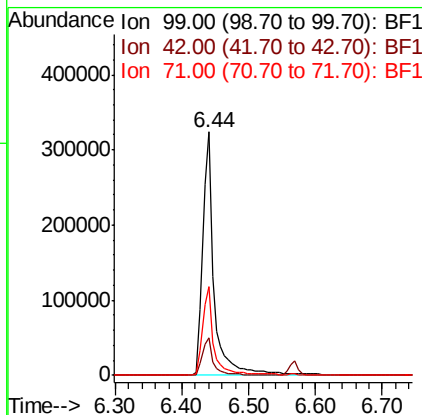
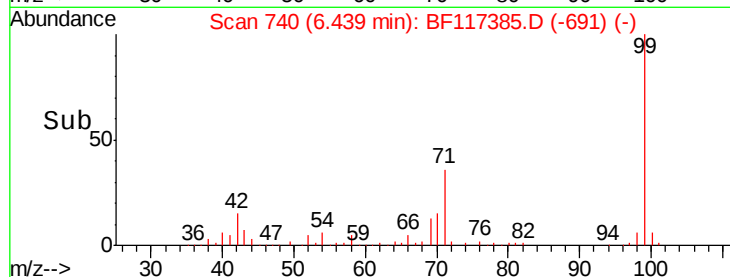
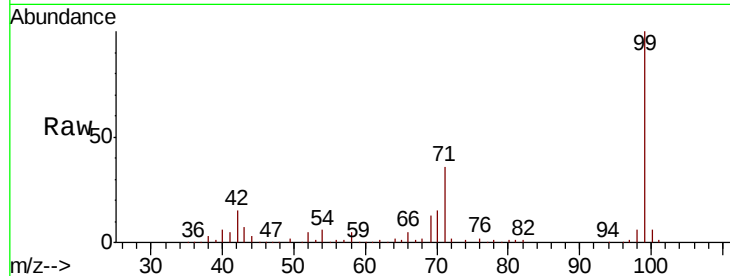
ClientSampled :

TP-8

Tot Ion:	99	Resp:	376932
Ion Ratio	Lower	Upper	
99	100		
42	15.2	12.2	18.2
71	36.4	29.8	44.8

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#10

Phenol

Concen: 2.268 ng

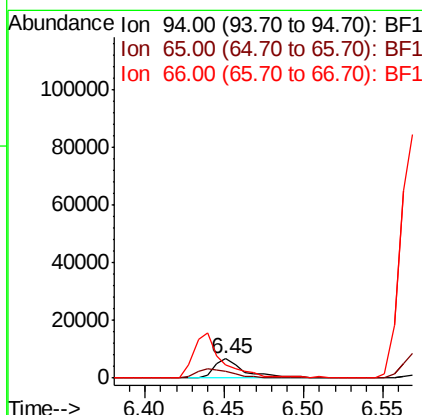
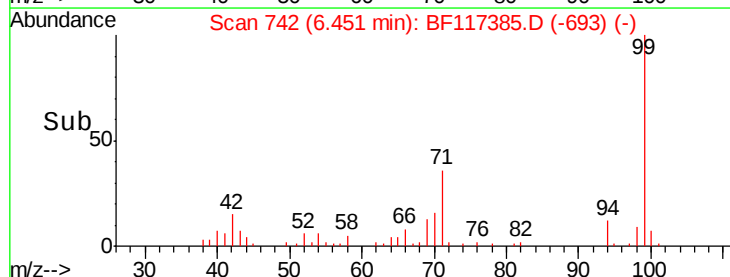
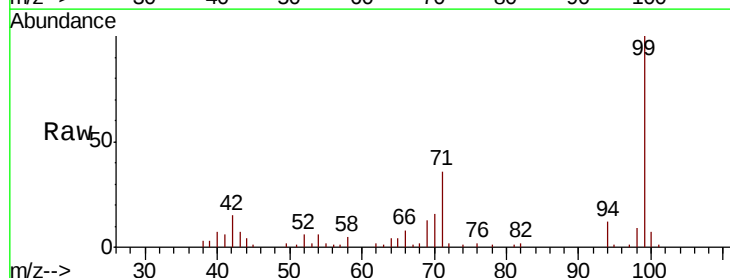
RT: 6.45 min Scan# 742

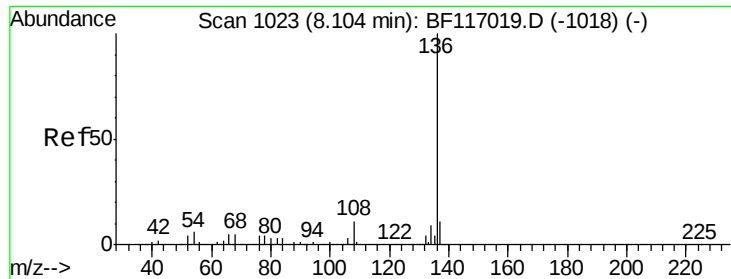
Delta R.T. -0.01 min

Lab File: BF117385.D

Acq: 12 Oct 2019 22:50

Tgt Ion:	94	Resp:	8760
Ion Ratio	Lower	Upper	
94	100		
65	33.9	12.5	52.5
66	69.8	28.9	68.9#





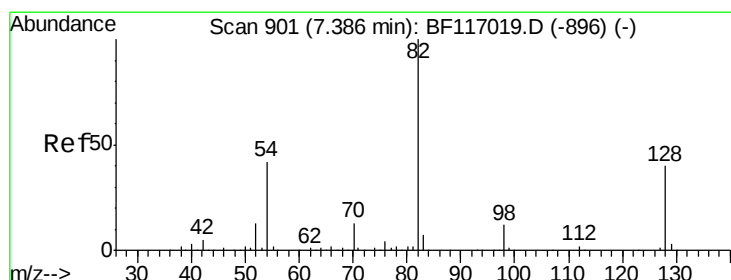
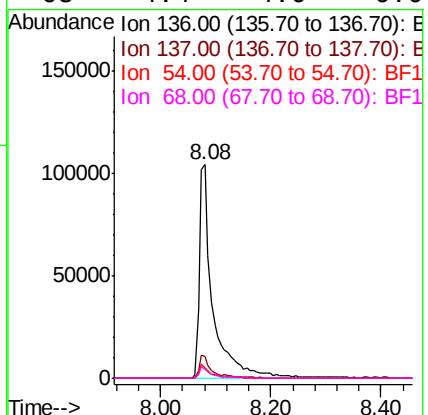
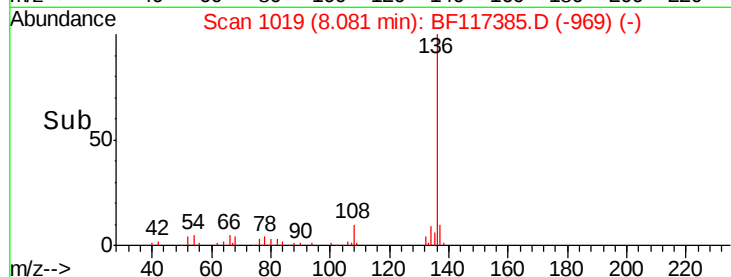
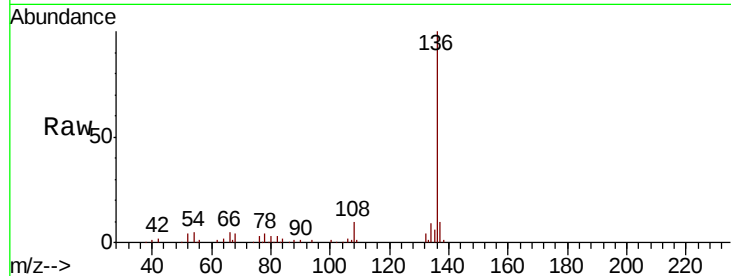
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BF117385.D
Acq: 12 Oct 2019 22:50

Instrument :
BNA_F
ClientSampleId :
TP-8

Tot Ion	Ratio	Resp	Lower	Upper
136	100	180174		
137	10.4		9.0	13.4
54	5.1		4.5	6.7
68	4.4		4.0	6.0

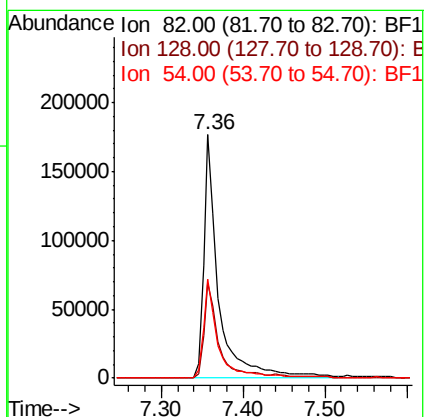
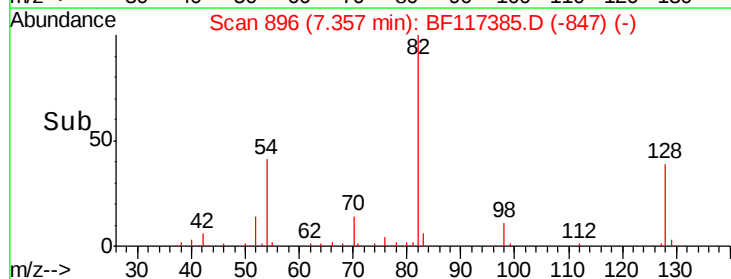
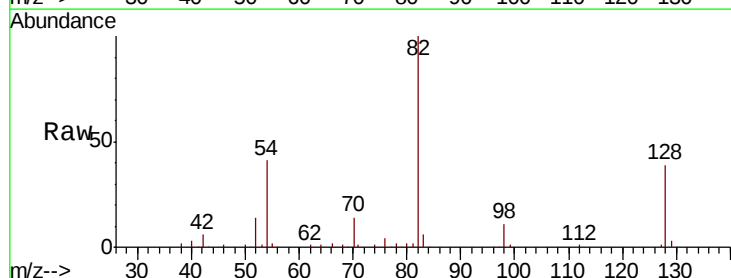
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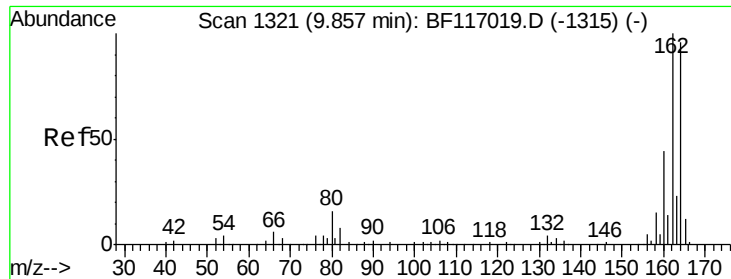
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#23
Nitrobenzene-d5
Concen: 65.684 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF117385.D
Acq: 12 Oct 2019 22:50

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	225238		
128	39.0		32.3	48.5
54	40.9		33.3	49.9





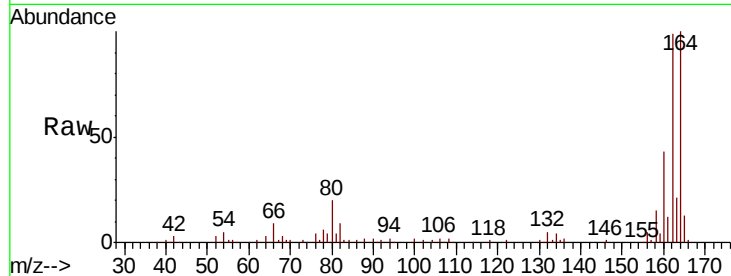
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF117385.D
Acq: 12 Oct 2019 22:50

Instrument :
BNA_F
ClientSampled :
TP-8

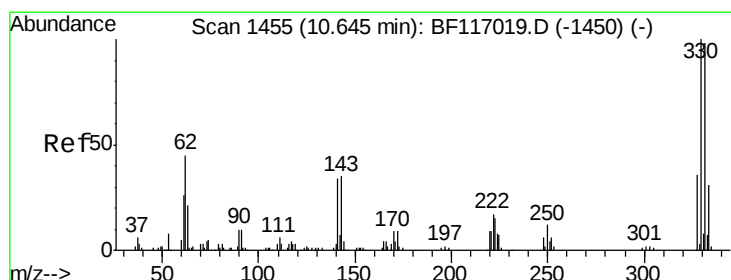
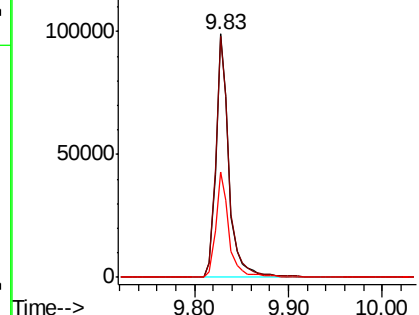
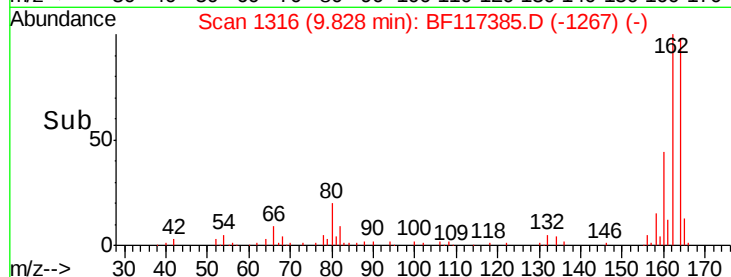
Tot Ion	Ratio	Lower	Upper
164	100		
162	99.3	83.4	125.2
160	43.3	36.4	54.6

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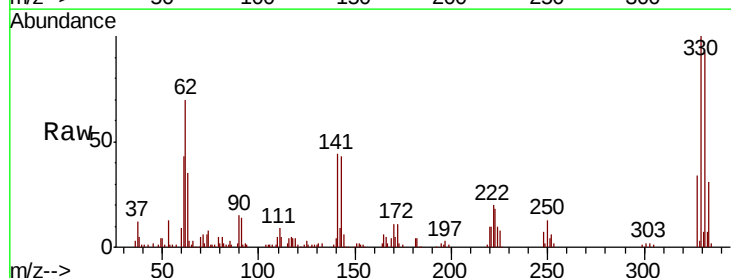


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

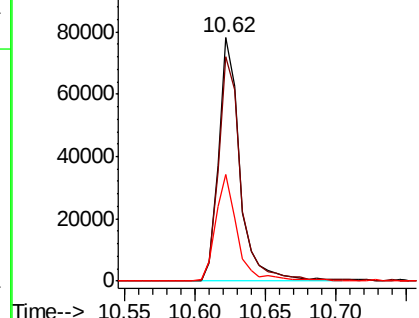
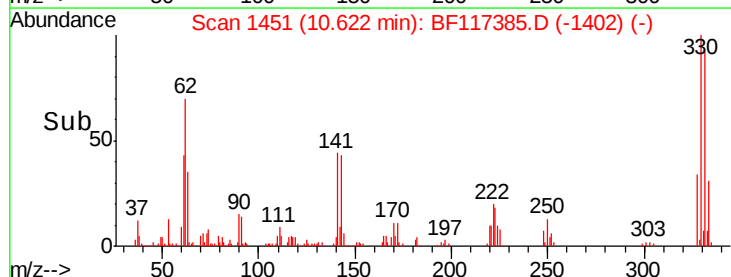


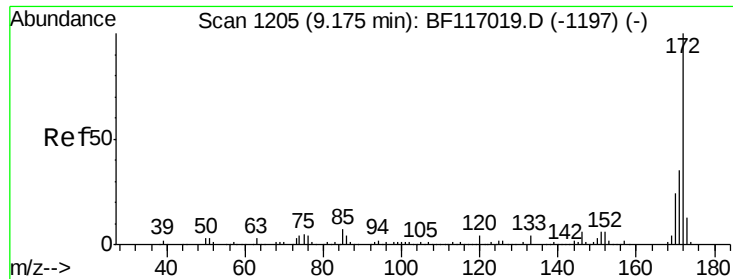
#42
2,4,6-Tribromophenol
Concen: 101.224 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BF117385.D
Acq: 12 Oct 2019 22:50

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.7	78.0	117.0
141	44.5	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





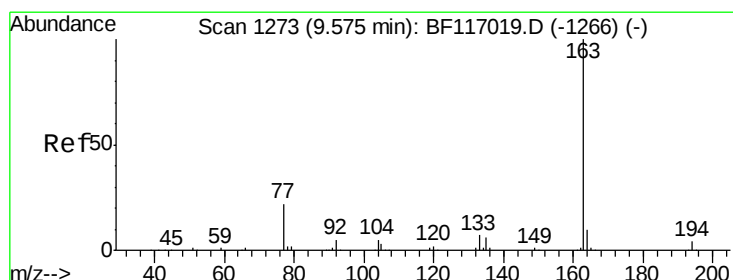
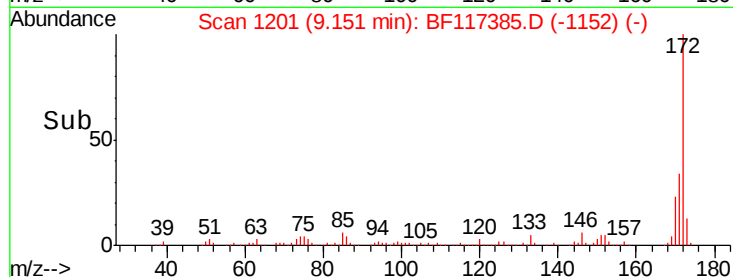
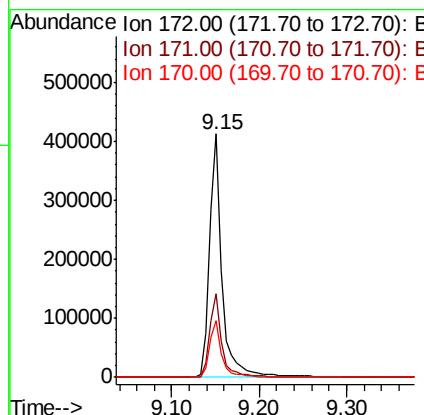
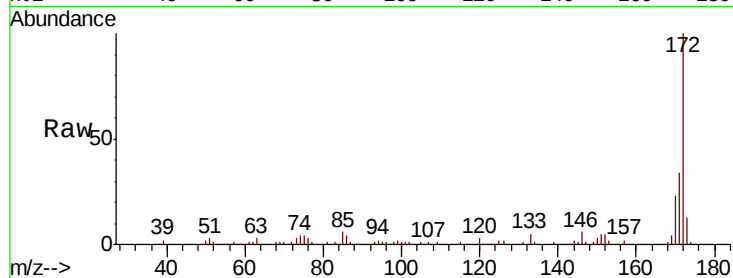
#45
2-Fluorobiphenyl
Concen: 65.933 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BF117385.D
Acq: 12 Oct 2019 22:50

Instrument :
BNA_F
ClientSampled :
TP-8

Tot Ion	Ratio	Resp	Lower	Upper
172	100	412184		
171	34.4	28.2	42.2	
170	23.3	18.9	28.3	

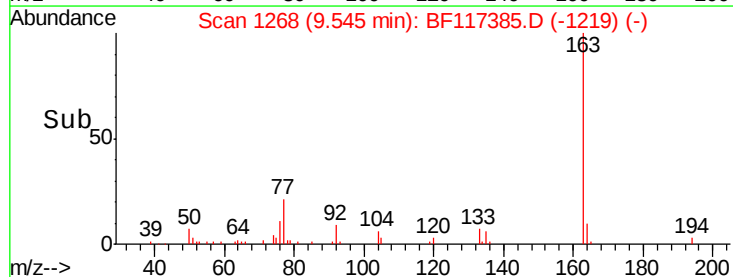
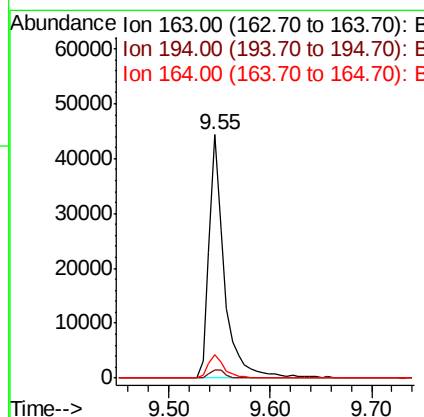
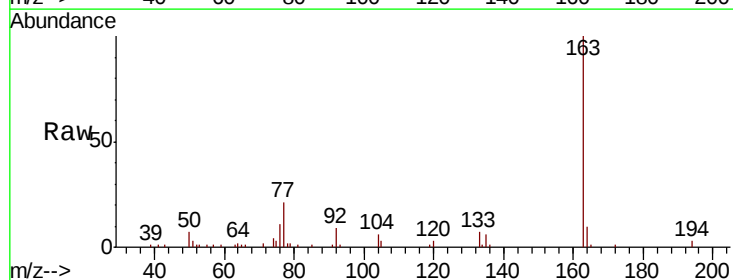
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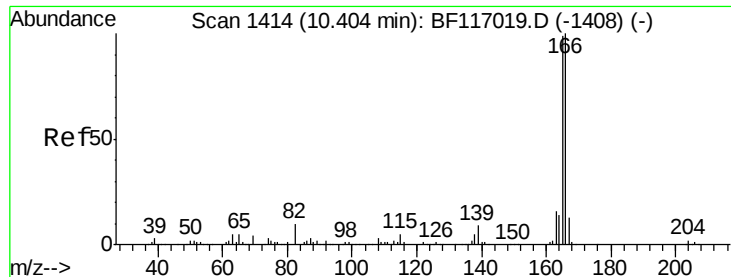
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#50
Dimethylphthalate
Concen: 6.704 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF117385.D
Acq: 12 Oct 2019 22:50

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	46398		
194	3.3	2.9	4.3	
164	9.7	8.2	12.4	





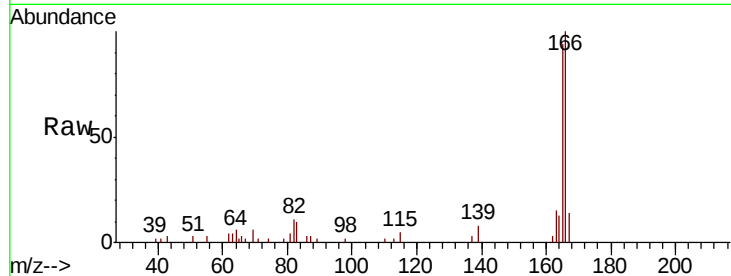
#58
 Fluorene
 Concen: 2.475 ng
 RT: 10.38 min Scan# 1410
 Delta R.T. -0.01 min
 Lab File: BF117385.D
 Acq: 12 Oct 2019 22:50

Instrument :
 BNA_F
 ClientSampleId :
 TP-8

Tot Ion	Ratio	Lower	Upper
166	100		
165	94.3	78.9	118.3
167	14.3	10.6	15.8

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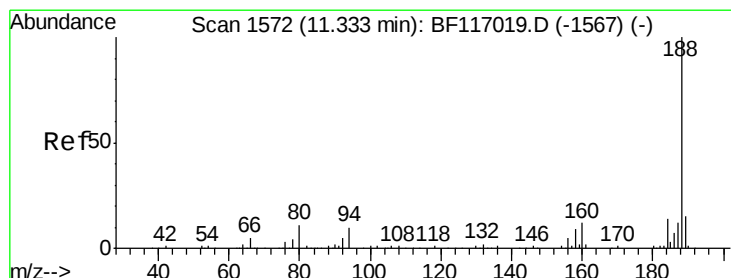
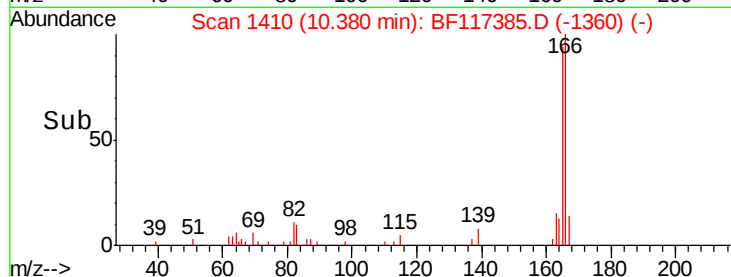
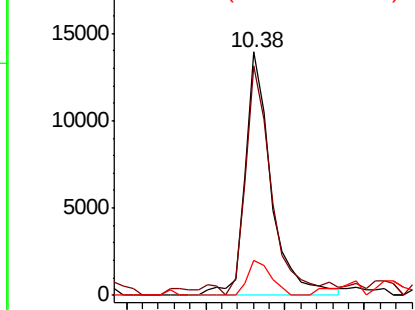


Abundance

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: 11.32 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: BF117385.D
 Acq: 12 Oct 2019 22:50

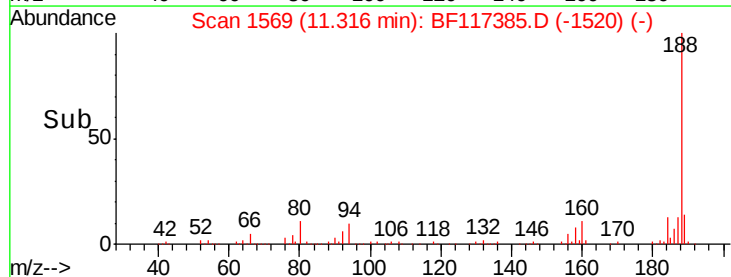
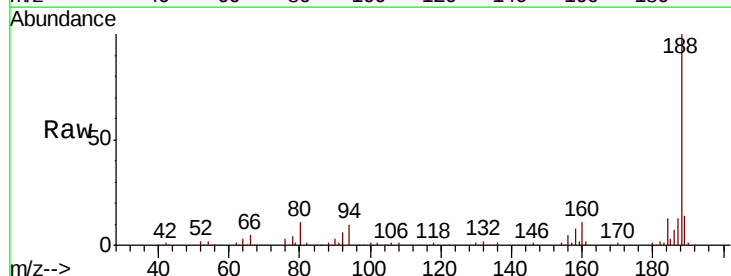
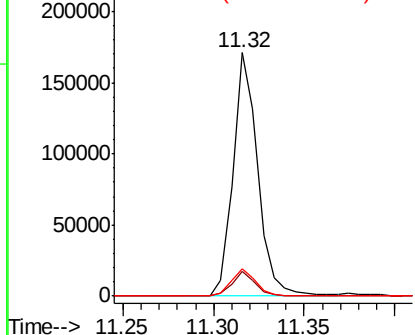
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.2	12.2
80	11.2	9.0	13.6

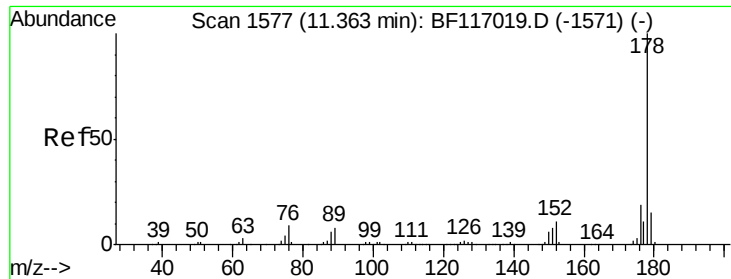
Abundance

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: 15.057 ng

RT: 11.34 min Scan# 1573

Delta R.T. -0.01 min

Lab File: BF117385.D

Acq: 12 Oct 2019 22:50

Instrument :

BNA_F

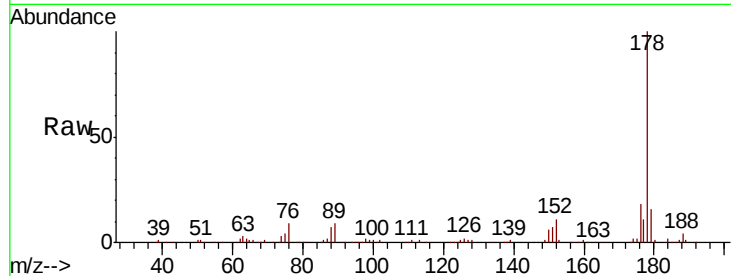
ClientSampleId :

TP-8

Tot Ion:	178	Resp:	139064
Ion Ratio	Lower	Upper	
178	100		
176	18.4	15.4	23.2
179	15.8	12.4	18.6

Manual Integrations
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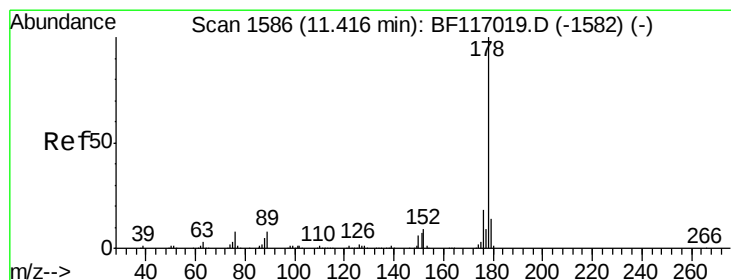
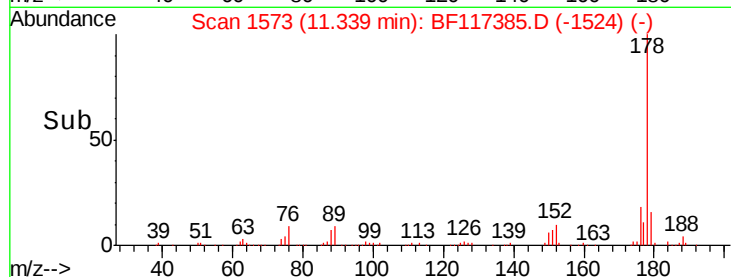
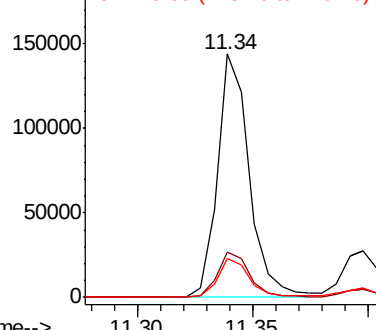


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 3.732 ng m

RT: 11.40 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BF117385.D

Acq: 12 Oct 2019 22:50

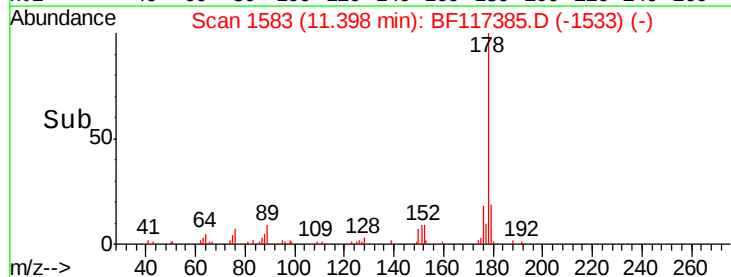
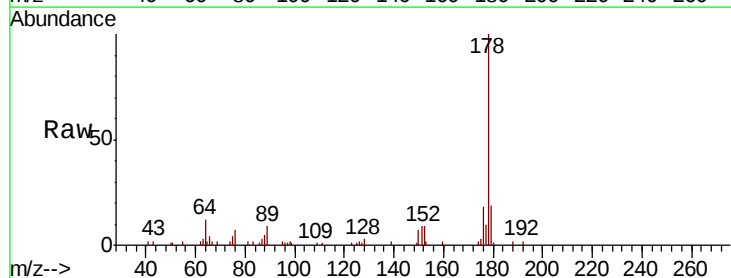
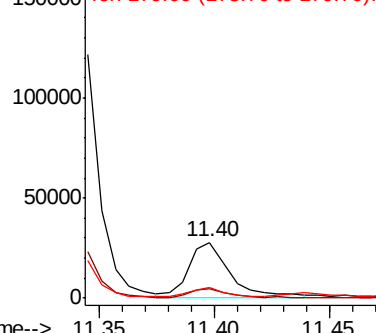
Tgt Ion:	178	Resp:	35185
Ion Ratio	Lower	Upper	
178	100		
176	17.8	14.6	21.8
179	19.2	11.6	17.4#

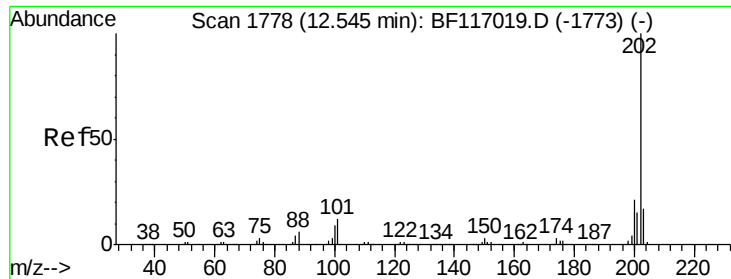
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 31.870 ng

RT: 12.53 min Scan# 1776

Delta R.T. -0.01 min

Lab File: BF117385.D

Acq: 12 Oct 2019 22:50

Instrument :

BNA_F

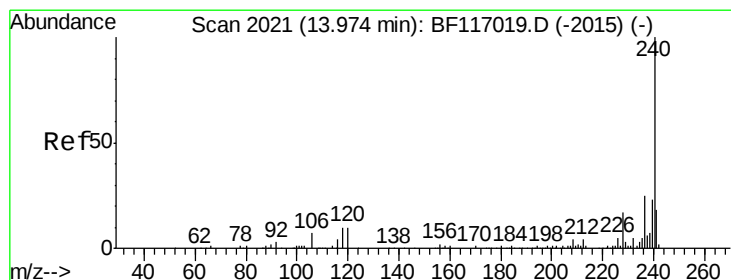
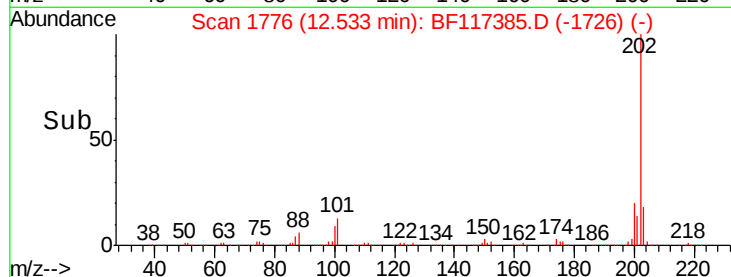
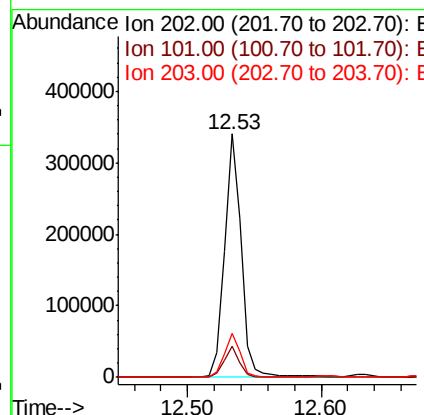
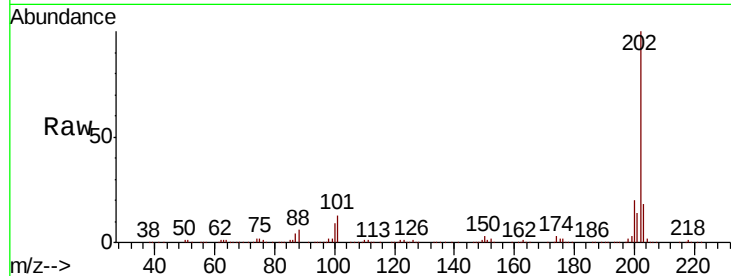
ClientSampled :

TP-8

Tot Ion	Ratio	Resp	Lower	Upper
202	100	302436		
101	12.5		0.0	32.3
203	17.8		0.0	37.1

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#76

Chrysene-d12

Concen: 20.000 ng

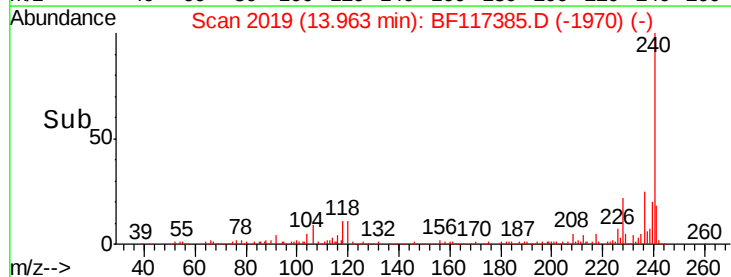
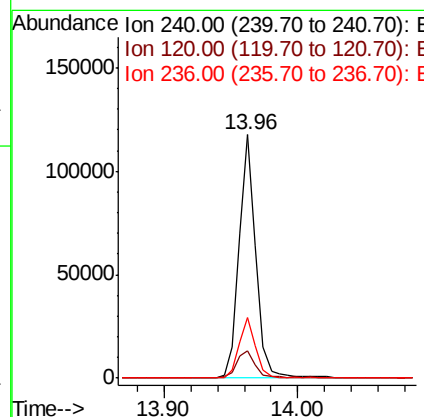
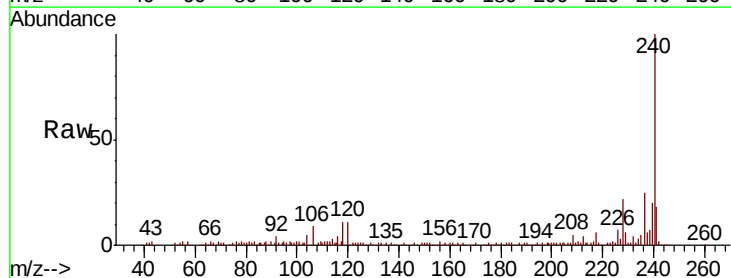
RT: 13.96 min Scan# 2019

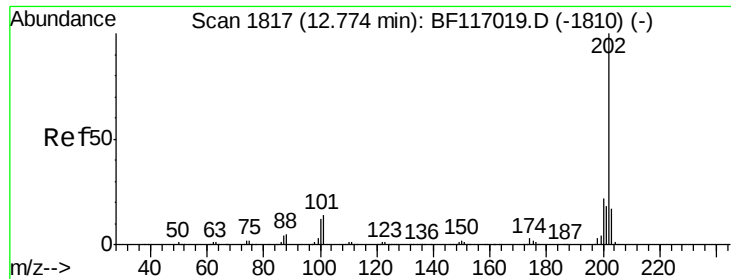
Delta R.T. -0.01 min

Lab File: BF117385.D

Acq: 12 Oct 2019 22:50

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	104120		
120	11.4		8.3	12.5
236	24.9		20.3	30.5





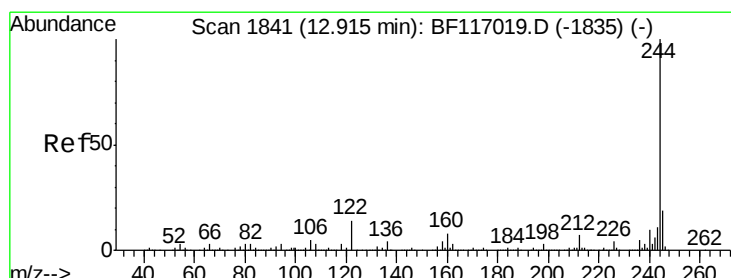
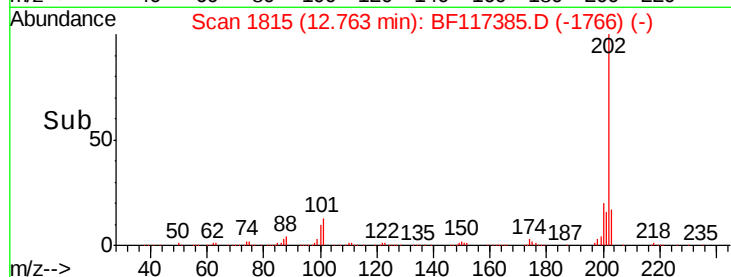
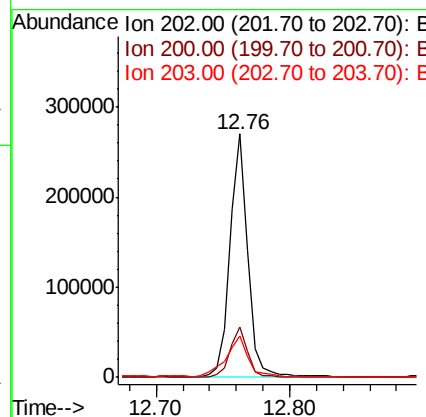
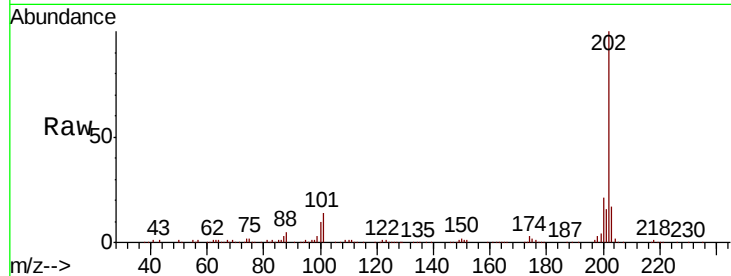
#78
Pvrene
Concen: 29.057 ng
RT: 12.76 min Scan# 1815
Delta R.T. -0.01 min
Lab File: BF117385.D
Acq: 12 Oct 2019 22:50

Instrument :
BNA_F
ClientSampleId :
TP-8

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.6	17.2	25.8
203	17.0	14.0	21.0

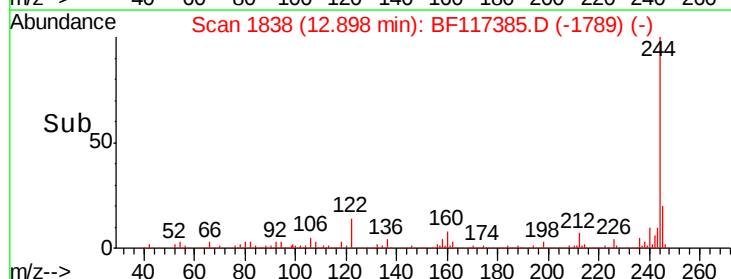
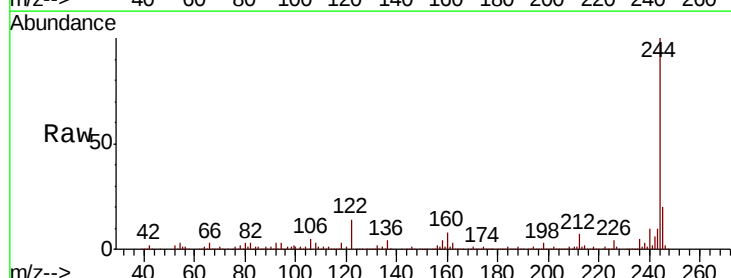
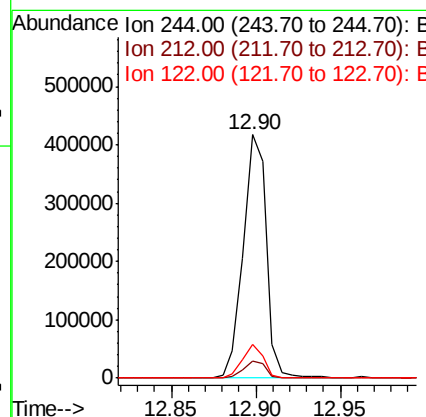
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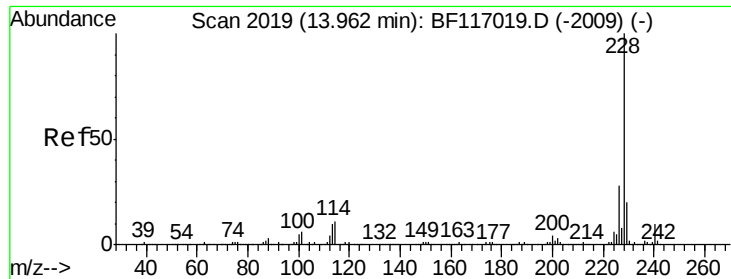
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#79
Terphenyl-d14
Concen: 71.472 ng
RT: 12.90 min Scan# 1838
Delta R.T. -0.01 min
Lab File: BF117385.D
Acq: 12 Oct 2019 22:50

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.0	5.8	8.8
122	13.7	11.3	16.9





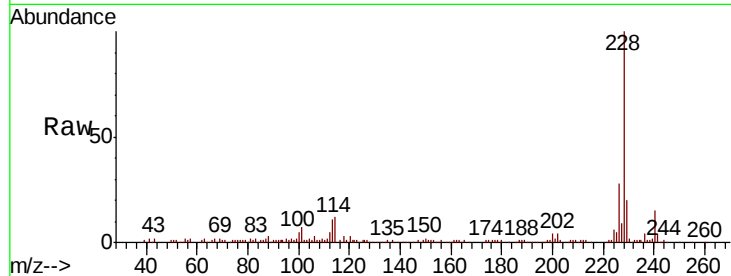
#81
Benzo(a)anthracene
Concen: 14.474 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF117385.D
Acq: 12 Oct 2019 22:50

Instrument :
BNA_F
ClientSampleId :
TP-8

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.3	33.5
229	20.4	15.9	23.9

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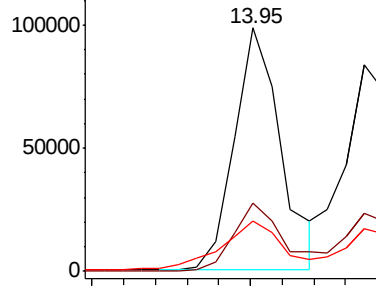


Abundance

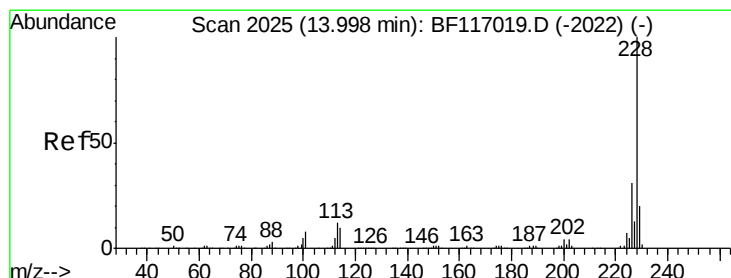
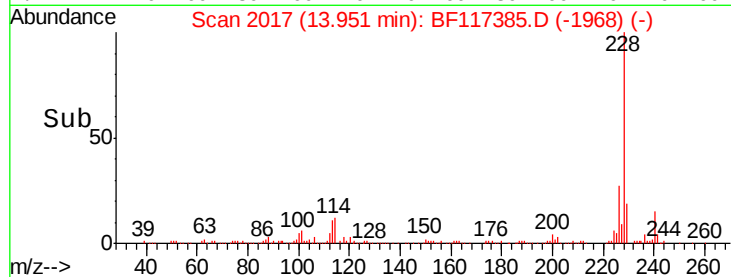
Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time--> 13.90 13.95



#83
Chrysene
Concen: 14.026 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF117385.D
Acq: 12 Oct 2019 22:50

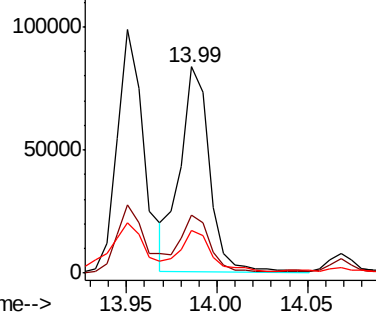
Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.4	24.8	37.2
229	20.6	15.8	23.8

Abundance

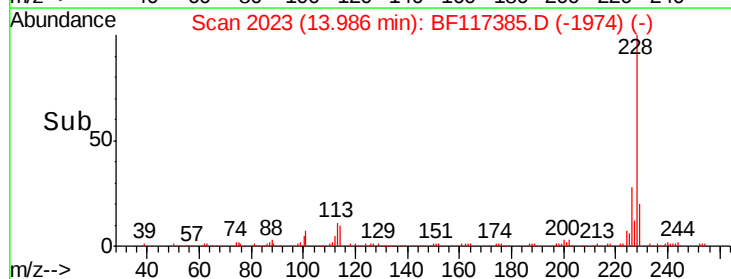
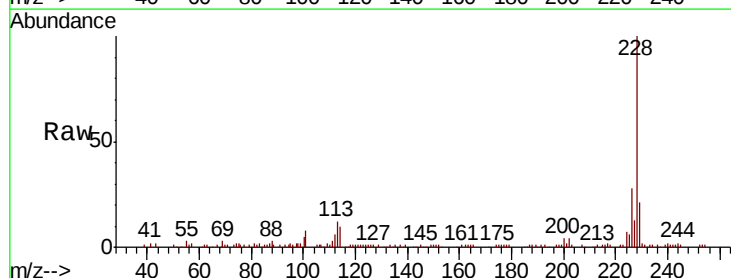
Ion 228.00 (227.70 to 228.70): E

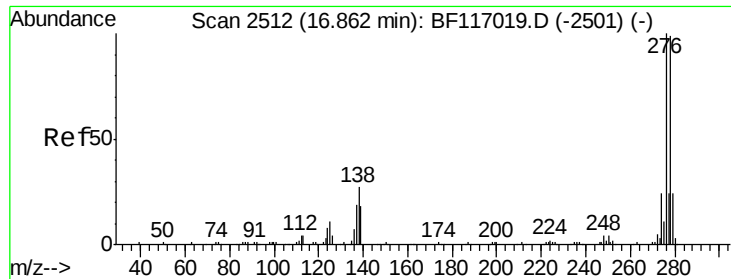
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time--> 13.95 14.00 14.05





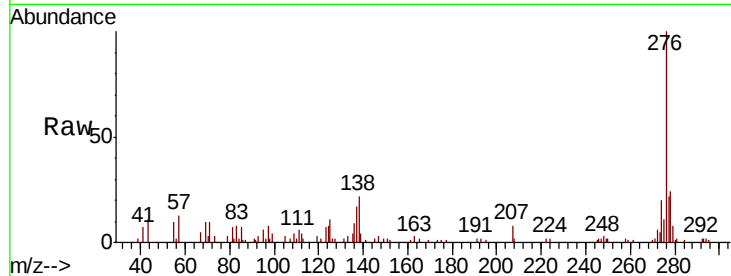
#86
Indeno(1,2,3-cd)pyrene
Concen: 9.464 ng
RT: 16.87 min Scan# 2513
Delta R.T. -0.02 min
Lab File: BF117385.D
Acq: 12 Oct 2019 22:50

Instrument :
BNA_F
ClientSampleId :
TP-8

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.3	20.7	31.1
277	21.9	19.8	29.8

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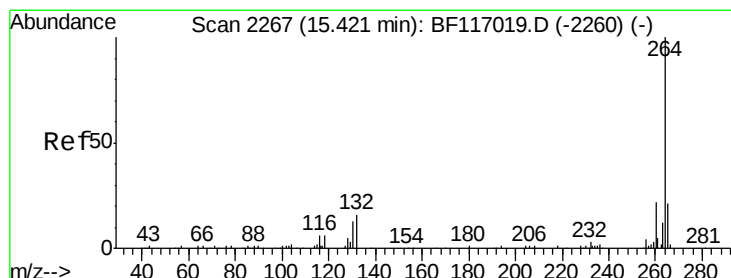
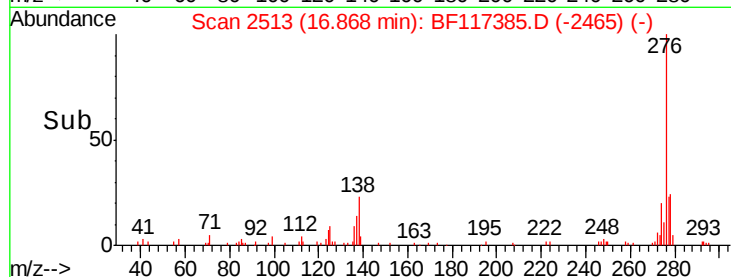
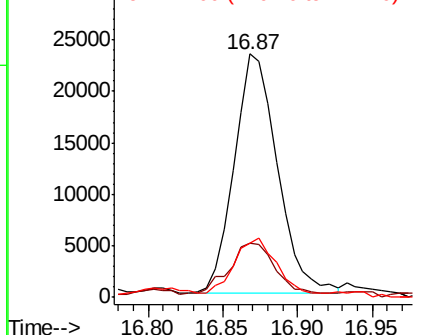


Abundance

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: 15.42 min Scan# 2266
Delta R.T. -0.01 min
Lab File: BF117385.D
Acq: 12 Oct 2019 22:50

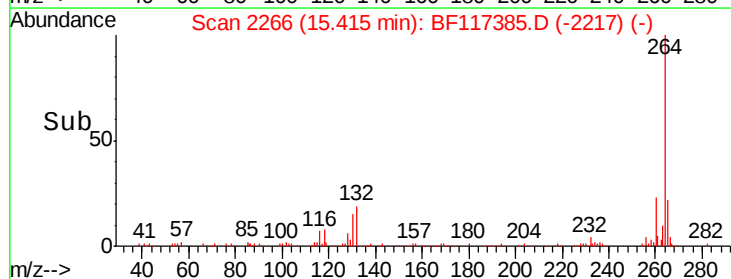
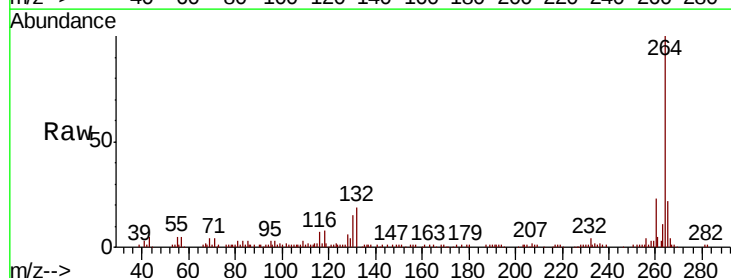
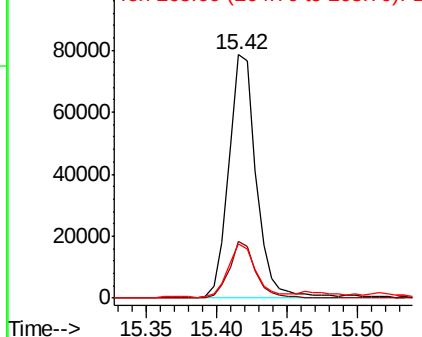
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	17.6	26.4
265	22.2	16.6	24.8

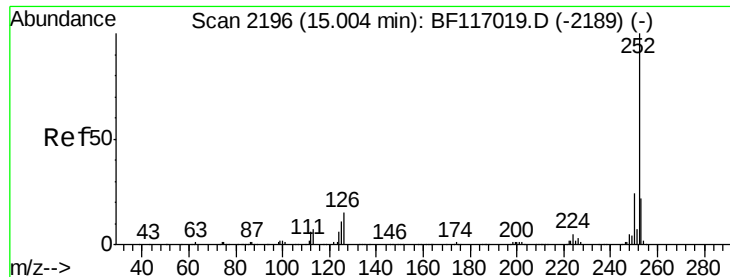
Abundance

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





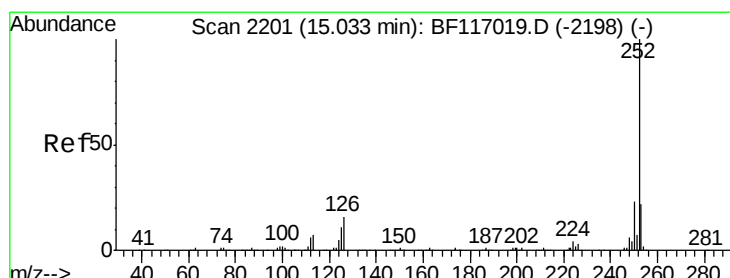
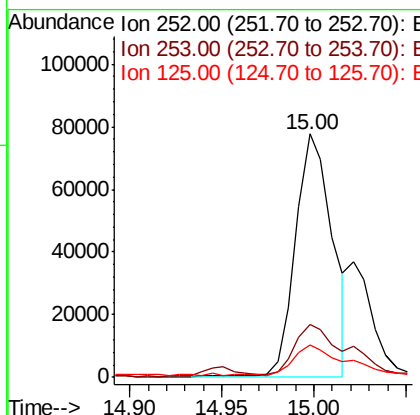
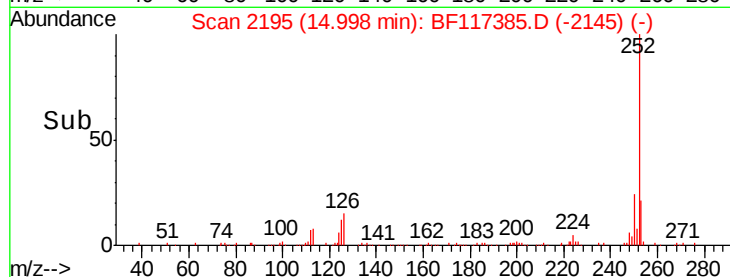
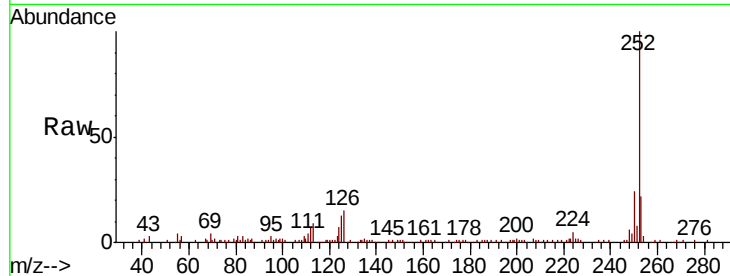
#88
Benzo(b)fluoranthene
Concen: 16.910 ng m
RT: 15.00 min Scan# 2195
Delta R.T. -0.01 min
Lab File: BF117385.D
Acq: 12 Oct 2019 22:50

Instrument :
BNA_F
ClientSampled :
TP-8

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	13.2	8.6	12.8

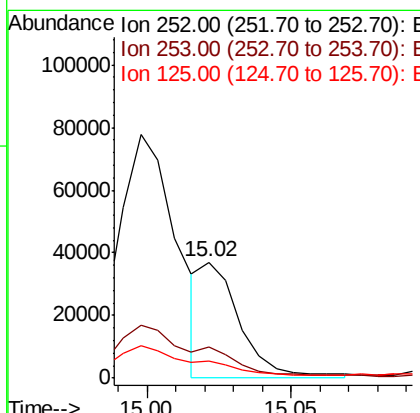
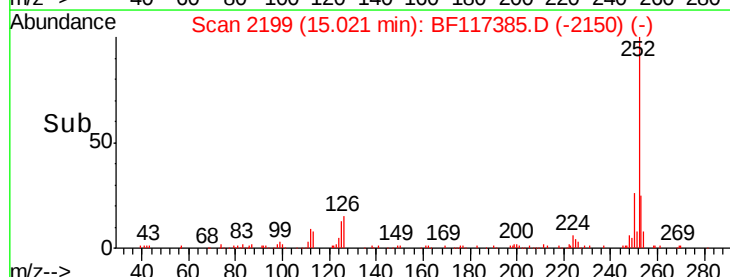
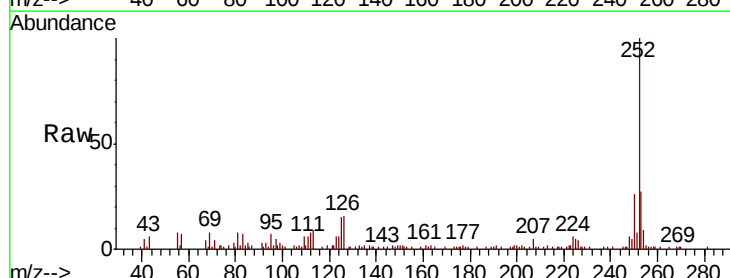
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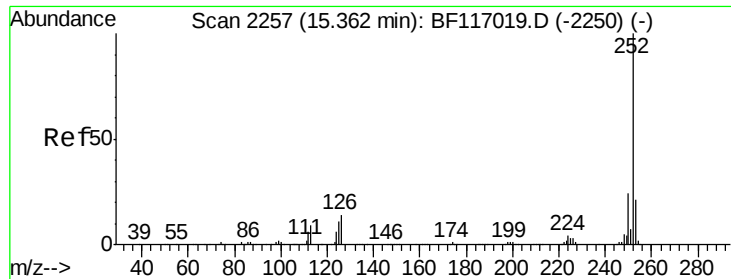
mohammad
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#89
Benzo(k)fluoranthene
Concen: 5.697 ng m
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF117385.D
Acq: 12 Oct 2019 22:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.6	17.4	26.2
125	15.2	8.8	13.2





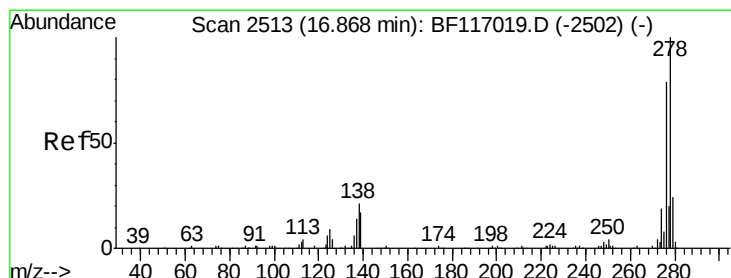
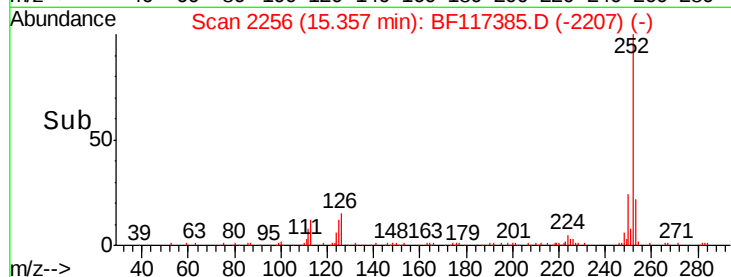
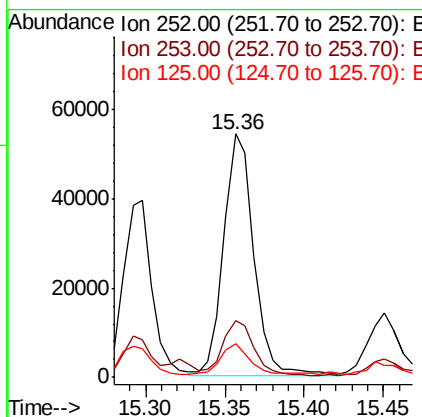
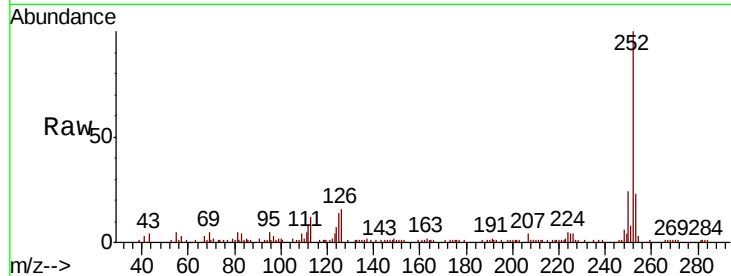
#90
Benzo(a)pyrene
Concen: 12.568 ng
RT: 15.36 min Scan# 2256
Delta R.T. -0.01 min
Lab File: BF117385.D
Acq: 12 Oct 2019 22:50

Instrument :
BNA_F
ClientSampleId :
TP-8

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	16.6	25.0
125	13.9	8.9	13.3

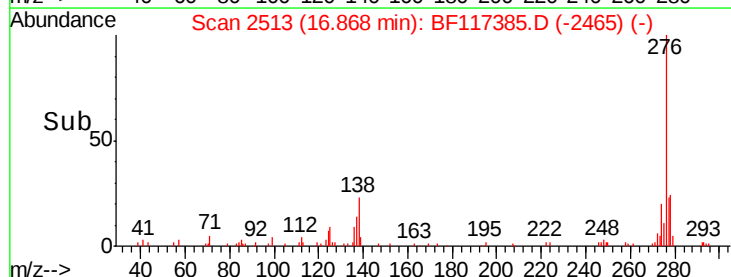
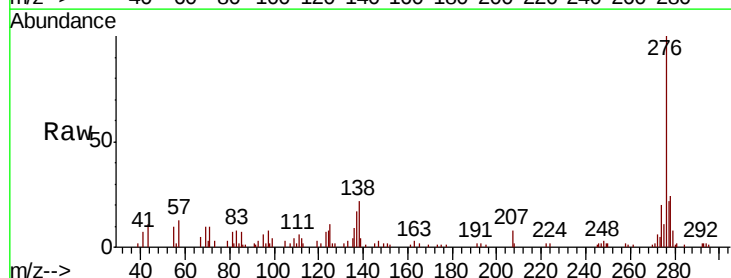
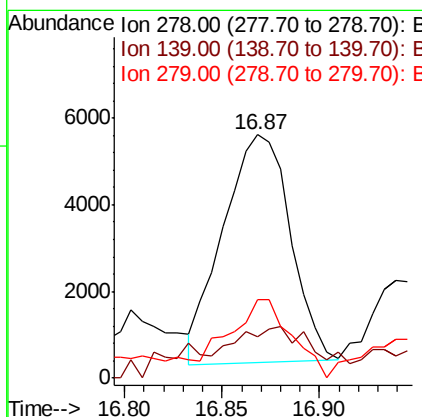
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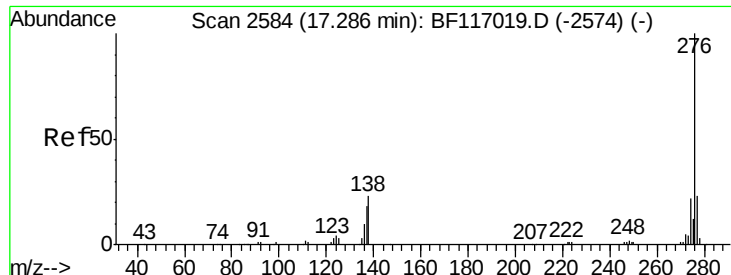
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#91
Dibenzo(a,h)anthracene
Concen: 2.783 ng
RT: 16.87 min Scan# 2513
Delta R.T. -0.02 min
Lab File: BF117385.D
Acq: 12 Oct 2019 22:50

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.1	13.5	20.3
279	32.5	18.8	28.2





#92
 Benzo(a,h,i)perylene
 Concen: 9.939 ng
 RT: 17.31 min Scan# 2588
 Delta R.T. -0.01 min
 Lab File: BF117385.D
 Acq: 12 Oct 2019 22:50

Instrument :
 BNA_F
 ClientSampleId :
 TP-8

Tot Ion	Ratio	Lower	Upper
276	100		
277	28.3	18.6	27.8#
138	25.0	18.0	27.0

Manual Integrations
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 10/16/2019 8:05:59 AM

