

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092019\
 Data File : BF117205.D
 Acq On : 21 Sep 2019 00:02
 Operator : HP/JU
 Sample : K4964-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1

Manual Integrations
 APPROVED

mohammad
 9/24/2019 9:13:04 AM

Quant Time: Sep 21 01:32:21 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	31906	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	123252	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	56615	20.00	ng	0.00
64) Phenanthrene-d10	11.34	188	71701	20.00	ng	0.00
76) Chrysene-d12	13.98	240	46345	20.00	ng	0.00
87) Perylene-d12	15.44	264	39925	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	185120	90.58	ng	0.01
7) Phenol-d6	6.46	99	248348	94.03	ng	0.00
23) Nitrobenzene-d5	7.38	82	158787	67.69	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	39667	83.83	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	284586	78.60	ng	0.00
79) Terphenyl-d14	12.92	244	178928	72.17	ng	0.00
Target Compounds						
10) Phenol	6.47	94	12191	4.187	ng	89
50) Dimethylphthalate	9.57	163	34669	8.649	ng	99
71) Phenanthrene	11.36	178	24127	5.924	ng	95
72) Anthracene	11.42	178	12597	3.030	ng	97
75) Fluoranthene	12.55	202	62066	14.832	ng	97
78) Pyrene	12.78	202	65000	16.715	ng	97
81) Benzo(a)anthracene	13.97	228	33238	10.735	ng	97
83) Chrysene	14.00	228	29407	9.738	ng	98
84) Bis(2-ethylhexyl)phthalate	13.95	149	8255	3.484	ng	99
86) Indeno(1,2,3-cd)pyrene	16.89	276	14141	6.418	ng	# 91
88) Benzo(b)fluoranthene	15.02	252	34410m	14.228	ng	
89) Benzo(k)fluoranthene	15.04	252	10715m	4.677	ng	
90) Benzo(a)pyrene	15.37	252	22493	10.599	ng	# 91
91) Dibenzo(a,h)anthracene	16.88	278	4586	2.713	ng	99
92) Benzo(a,h,i)perylene	17.32	276	13539	8.037	ng	96

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

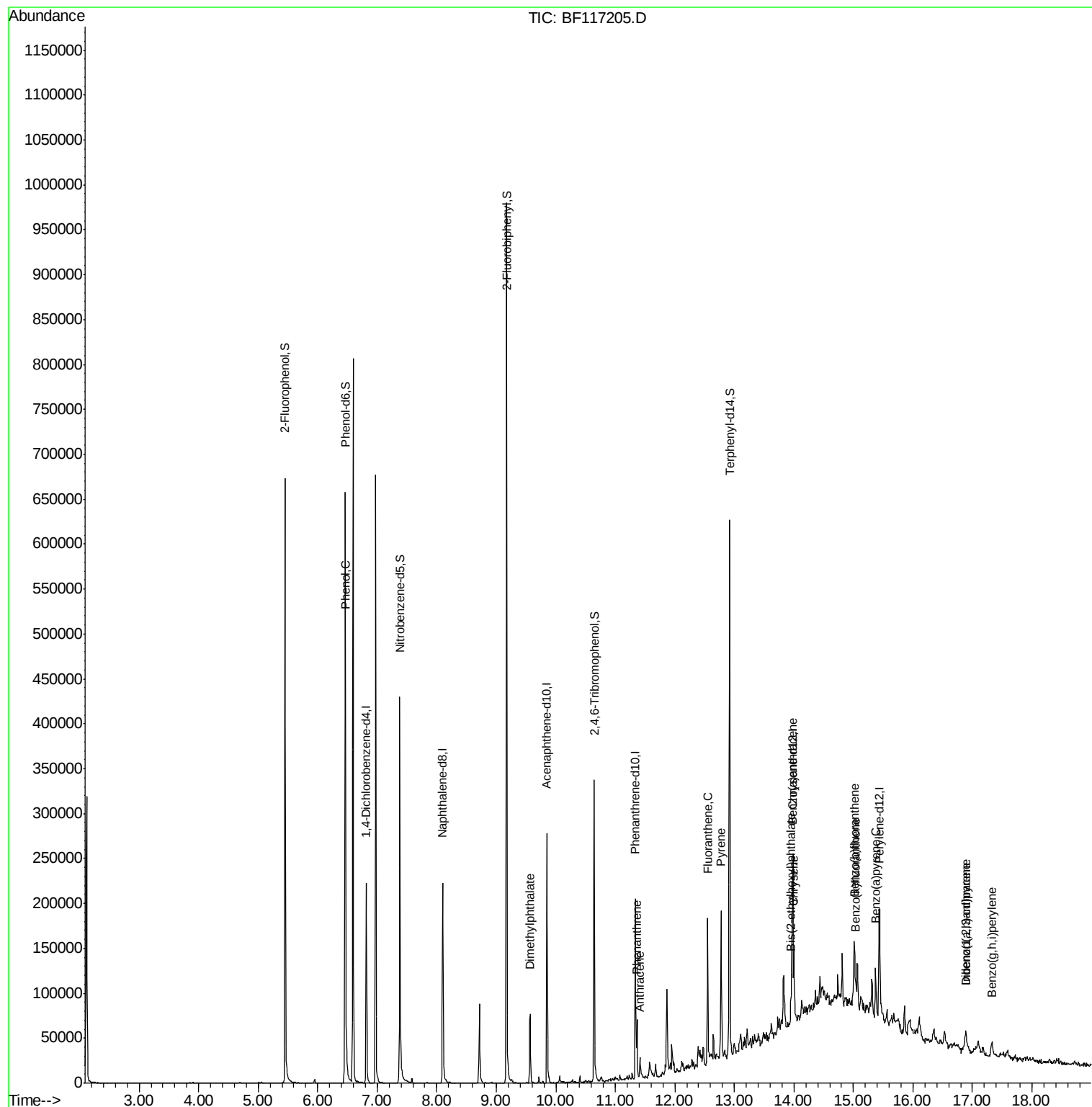
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092019\
Data File : BF117205.D
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#1

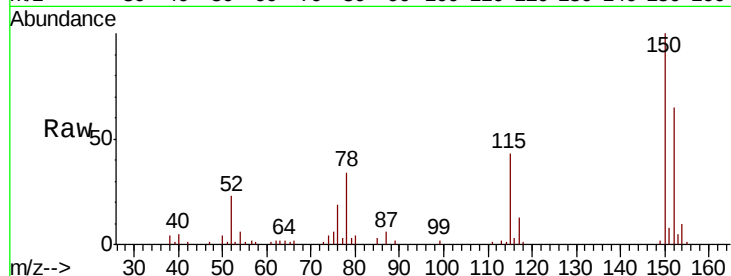
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.01 min
Lab File: BF117205.D
Acq: 21 Sep 2019 00:02

Instrument :
BNA_F
ClientSampled :
SB-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.7	127.5	191.3
115	65.6	55.0	82.4

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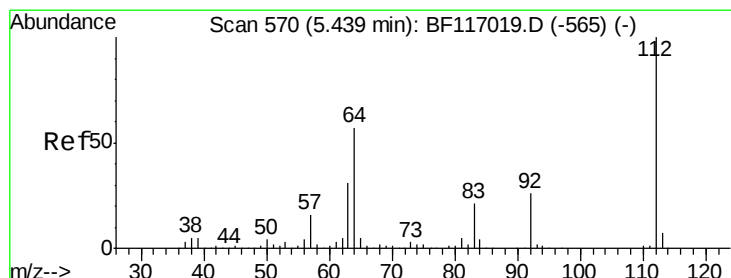
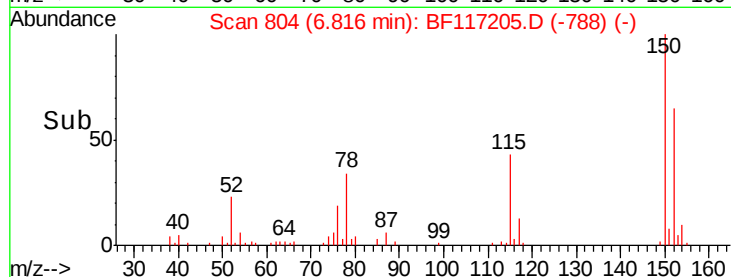
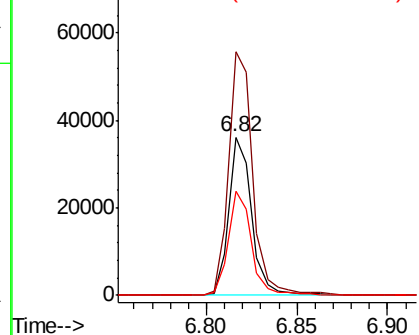


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

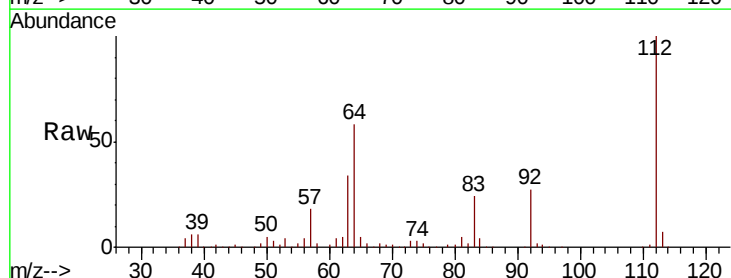
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 90.584 ng
RT: 5.45 min Scan# 572
Delta R.T. 0.01 min
Lab File: BF117205.D
Acq: 21 Sep 2019 00:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.4	45.7	68.5
63	33.6	24.9	37.3

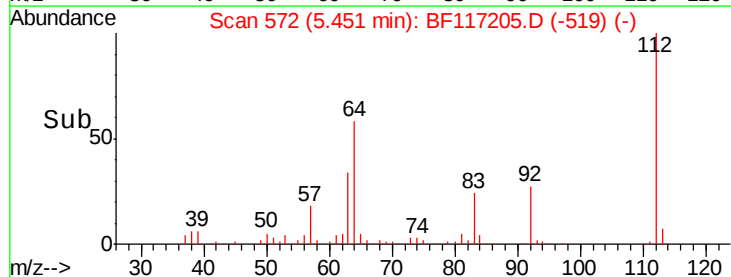
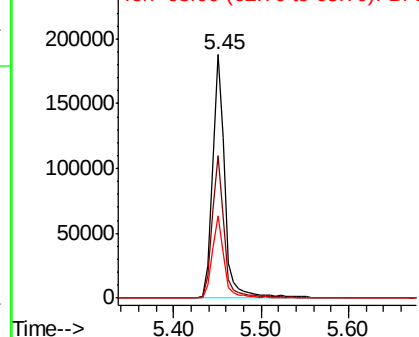


Abundance

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: 94.032 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.01 min

Lab File: BF117205.D

Acq: 21 Sep 2019 00:02

Instrument :

BNA_F

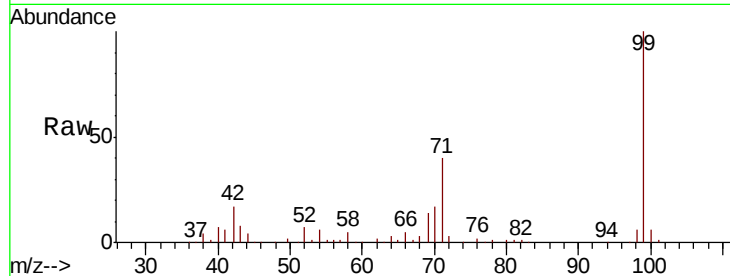
ClientSampleId :

SB-1

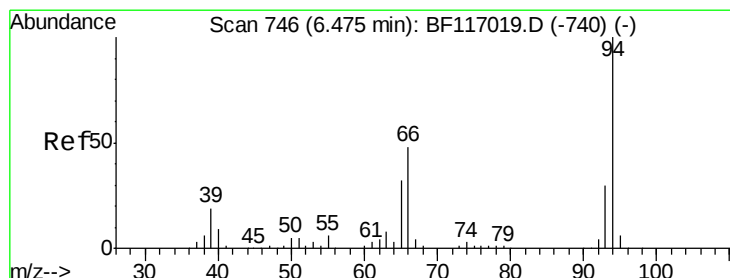
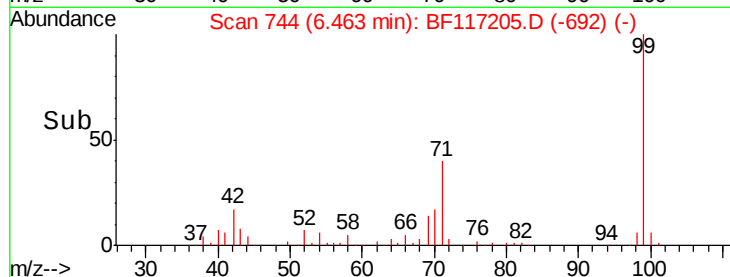
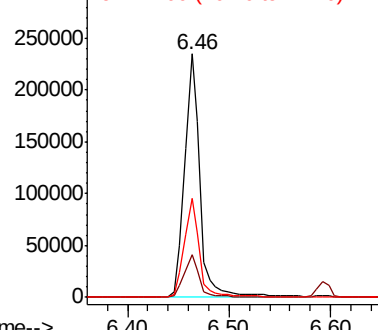
Tot Ion:	99	Resp:	248348
Ion	Ratio	Lower	Upper
99	100		
42	17.4	12.2	18.2
71	40.4	29.8	44.8

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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



#10

Phenol

Concen: 4.187 ng

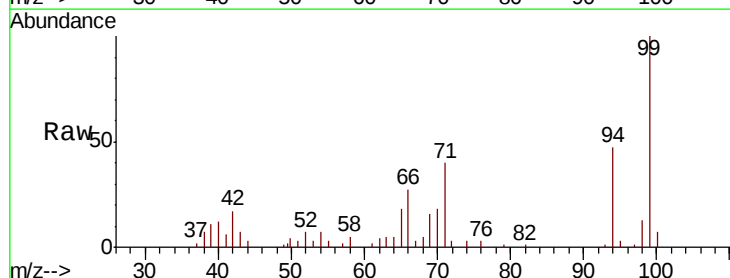
RT: 6.47 min Scan# 746

Delta R.T. 0.00 min

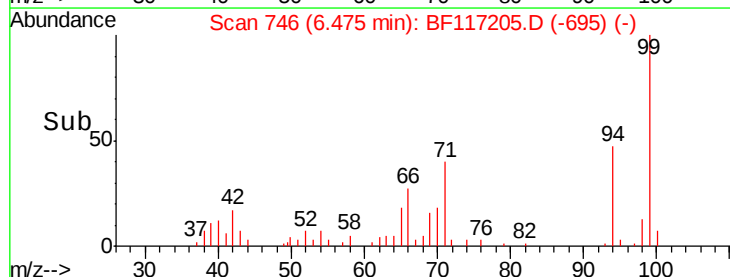
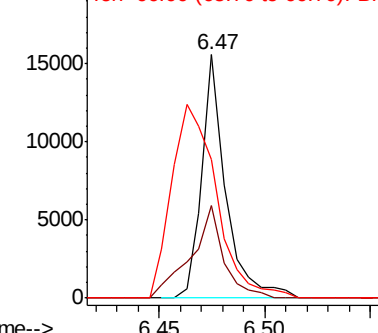
Lab File: BF117205.D

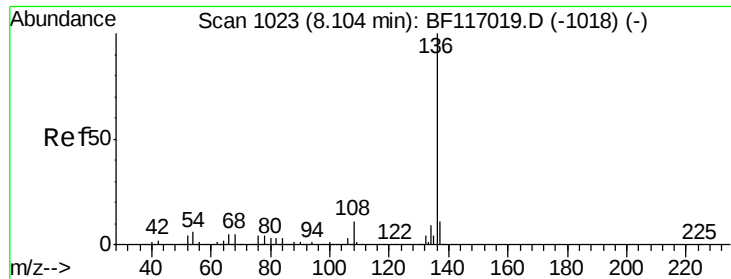
Acq: 21 Sep 2019 00:02

Tgt Ion:	94	Resp:	12191
Ion	Ratio	Lower	Upper
94	100		
65	38.0	12.5	52.5
66	57.2	28.9	68.9



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1022

Delta R.T. -0.01 min

Lab File: BF117205.D

Acq: 21 Sep 2019 00:02

Instrument :

BNA_F

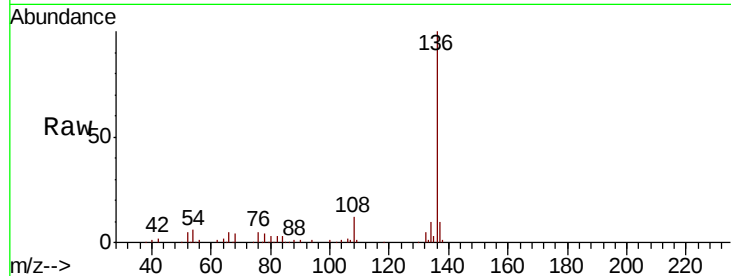
ClientSampleId :

SB-1

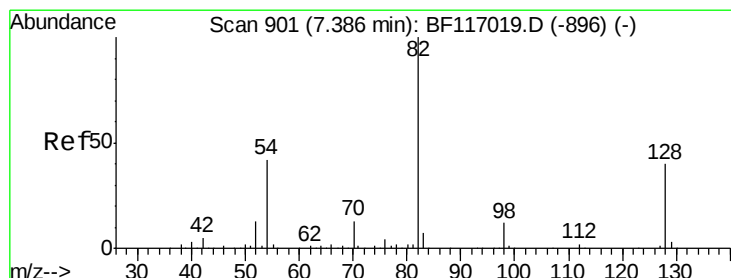
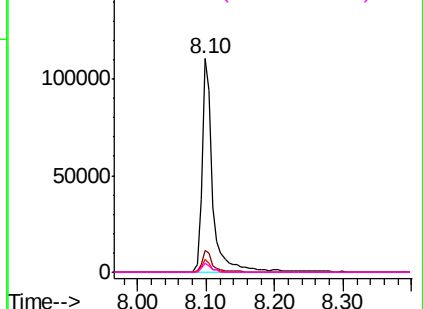
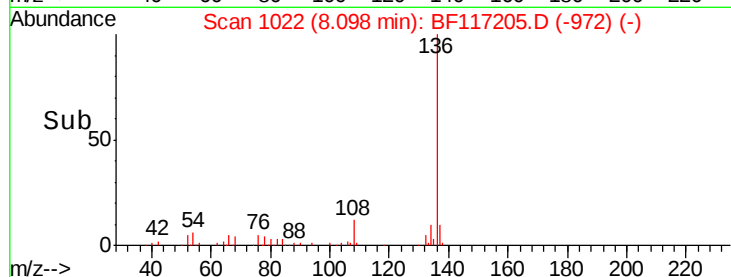
Tot Ion	Ratio	Resp	Lower	Upper
136	100	123252		
137	10.4		9.0	13.4
54	6.2		4.5	6.7
68	4.1		4.0	6.0

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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: 67.691 ng

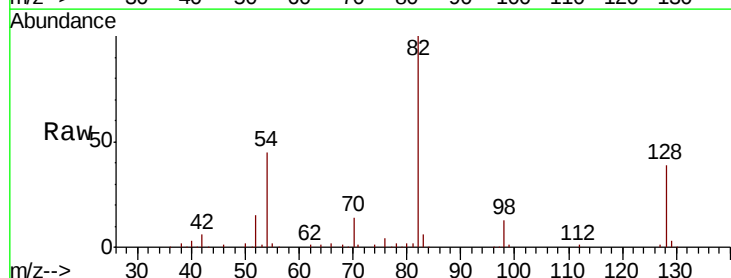
RT: 7.38 min Scan# 900

Delta R.T. -0.01 min

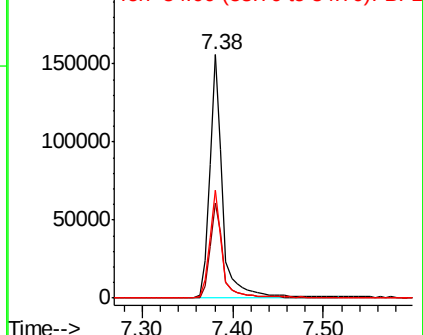
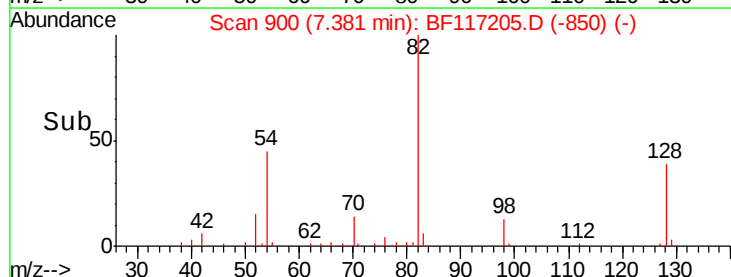
Lab File: BF117205.D

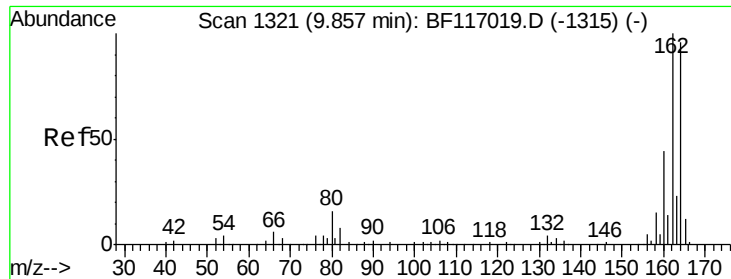
Acq: 21 Sep 2019 00:02

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	158787		
128	38.9		32.3	48.5
54	44.5		33.3	49.9



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





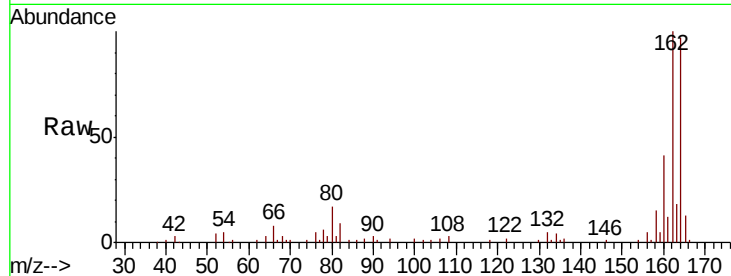
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF117205.D
Acq: 21 Sep 2019 00:02

Instrument :
BNA_F
ClientSampleId :
SB-1

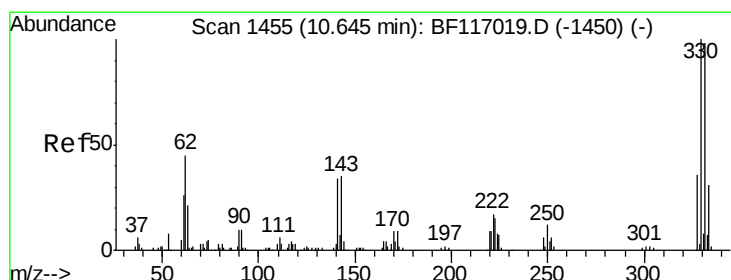
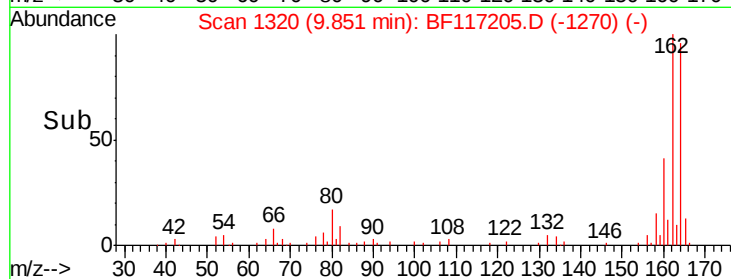
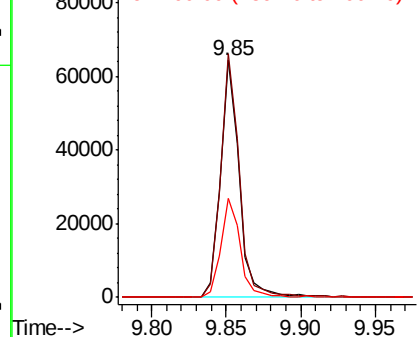
Tot Ion	Ratio	Lower	Upper
164	100		
162	102.8	83.4	125.2
160	41.7	36.4	54.6

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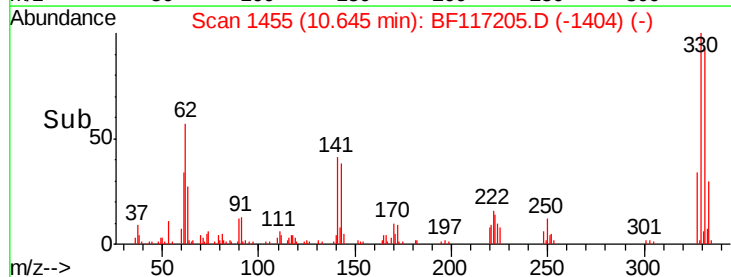
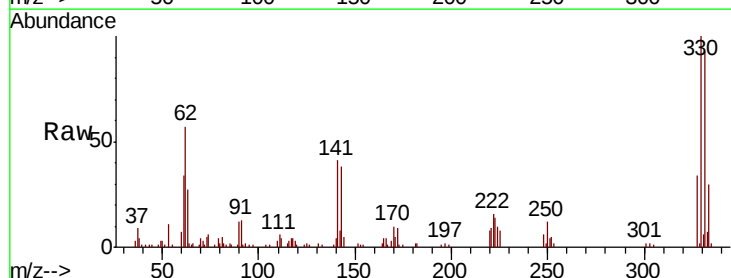
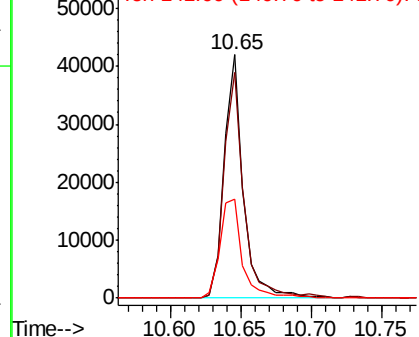
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

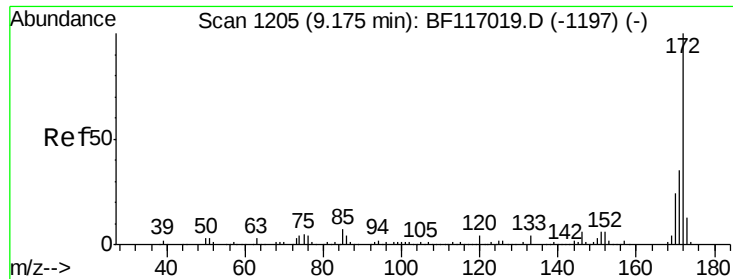


#42
2,4,6-Tribromophenol
Concen: 83.832 ng
RT: 10.65 min Scan# 1455
Delta R.T. 0.00 min
Lab File: BF117205.D
Acq: 21 Sep 2019 00:02

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.0	78.0	117.0
141	47.8	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





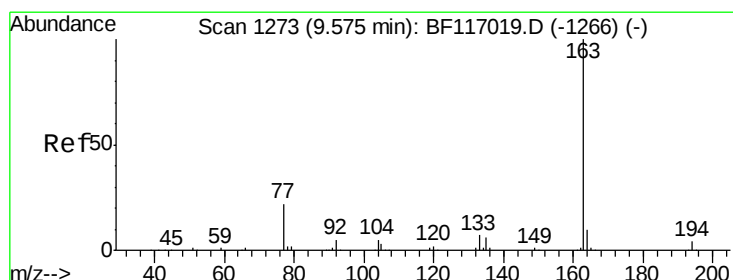
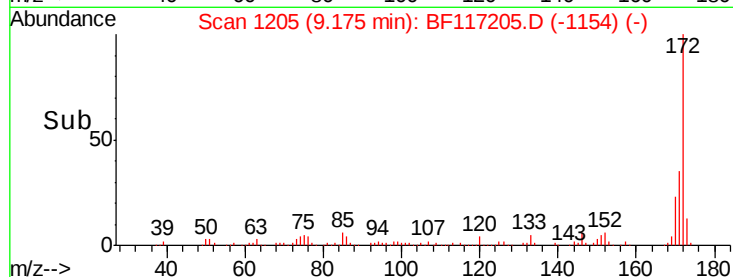
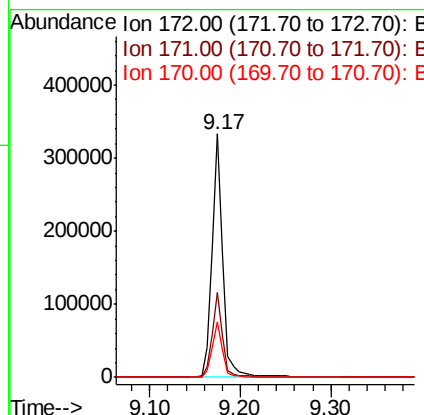
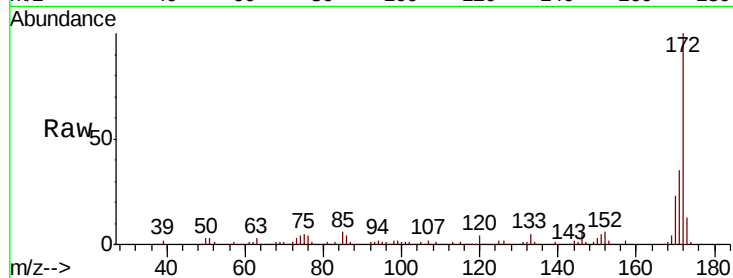
#45
2-Fluorobiphenyl
Concen: 78.596 ng
RT: 9.17 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BF117205.D
Acq: 21 Sep 2019 00:02

Instrument :
BNA_F
ClientSampleId :
SB-1

Tot Ion	Ratio	Resp	Lower	Upper
172	100	284586		
171	34.7		28.2	42.2
170	22.7		18.9	28.3

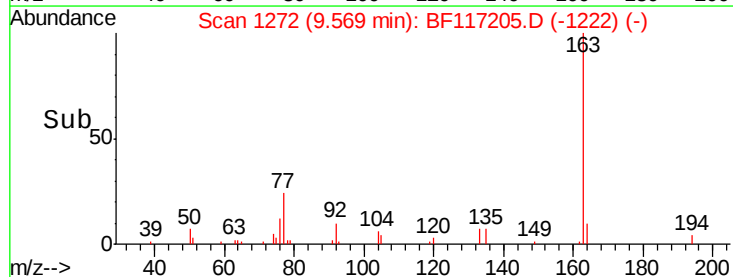
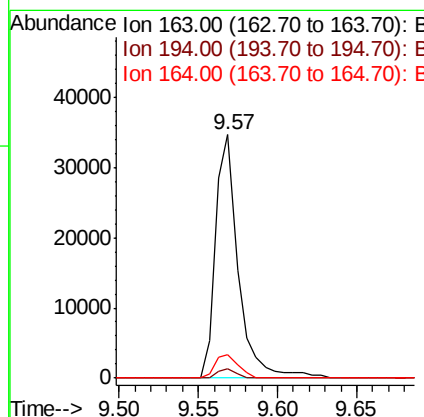
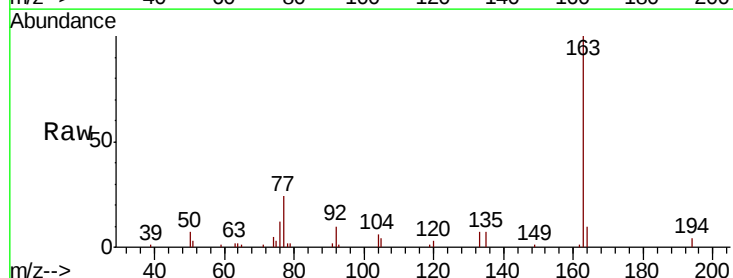
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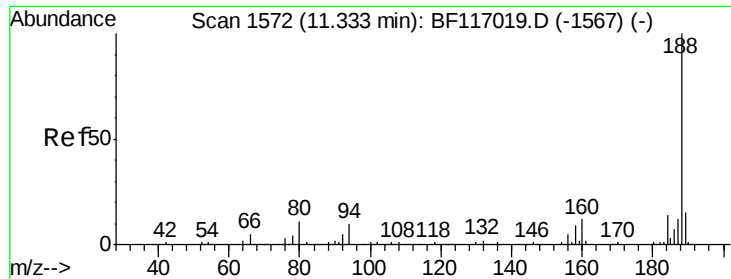
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#50
Dimethylphthalate
Concen: 8.649 ng
RT: 9.57 min Scan# 1272
Delta R.T. -0.01 min
Lab File: BF117205.D
Acq: 21 Sep 2019 00:02

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	34669		
194	3.9		2.9	4.3
164	9.8		8.2	12.4





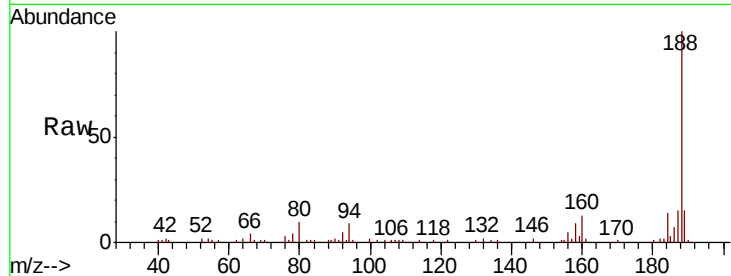
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.01 min
Lab File: BF117205.D
Acq: 21 Sep 2019 00:02

Instrument :
BNA_F
ClientSampled :
SB-1

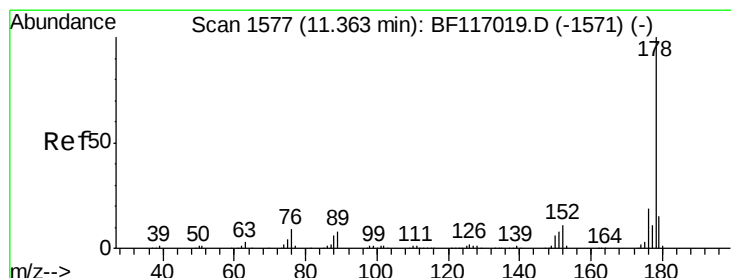
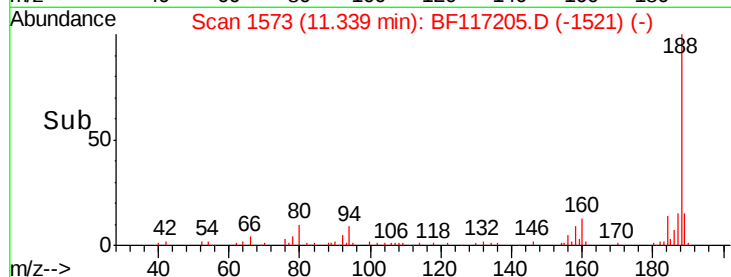
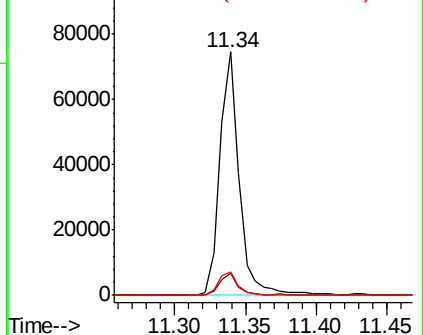
Tot Ion	Ratio	Resp	Lower	Upper
188	100	71701		
94	9.1		8.2	12.2
80	9.7		9.0	13.6

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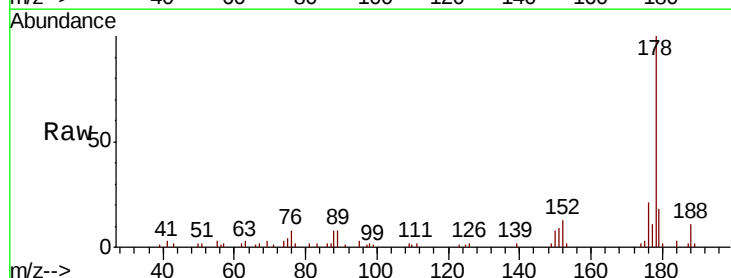


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

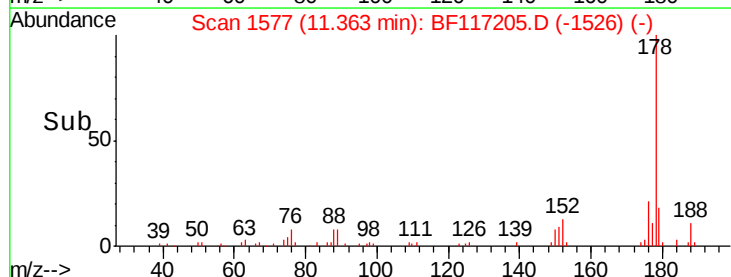
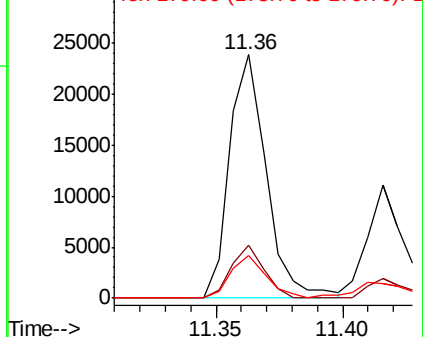


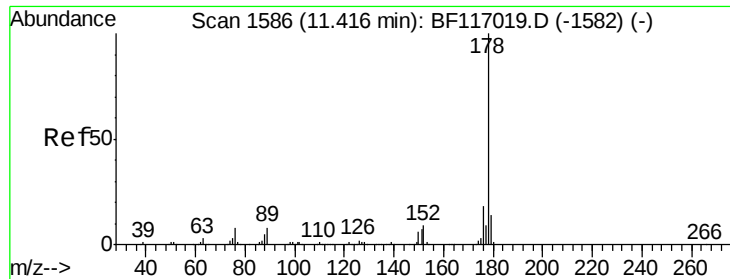
#71
Phenanthrene
Concen: 5.924 ng
RT: 11.36 min Scan# 1577
Delta R.T. 0.00 min
Lab File: BF117205.D
Acq: 21 Sep 2019 00:02

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	24127		
176	21.5		15.4	23.2
179	17.7		12.4	18.6



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: 3.030 ng

RT: 11.42 min Scan# 1586

Delta R.T. 0.00 min

Lab File: BF117205.D

Acq: 21 Sep 2019 00:02

Instrument :

BNA_F

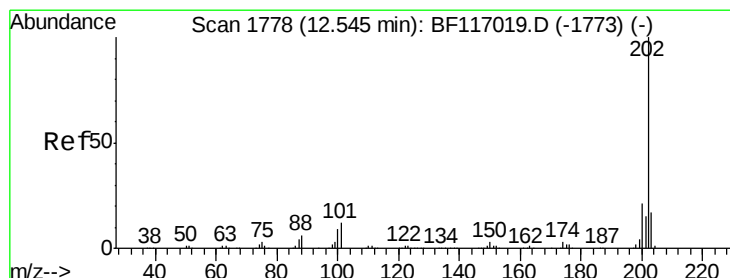
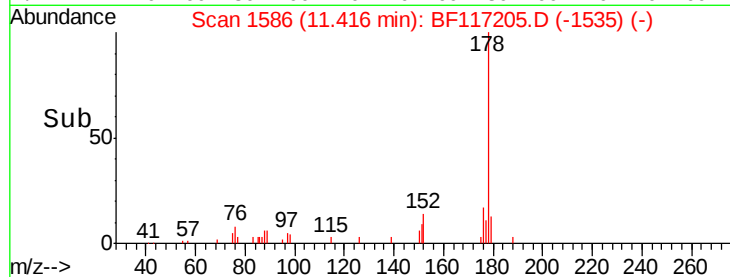
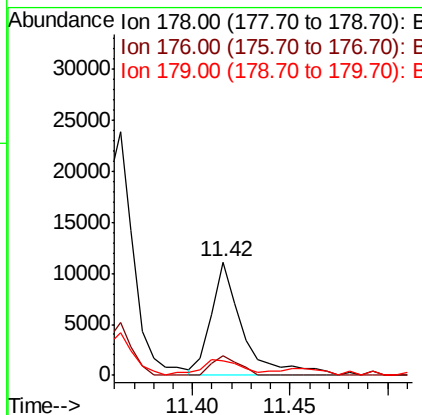
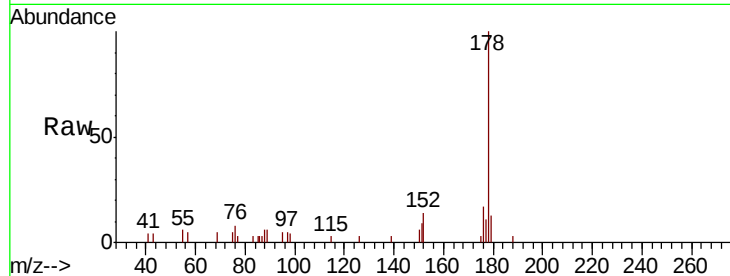
ClientSampled :

SB-1

Tot Ion:	178	Resp:	12597
Ion Ratio	Lower	Upper	
178	100		
176	17.4	14.6	21.8
179	13.0	11.6	17.4

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#75

Fluoranthene

Concen: 14.832 ng

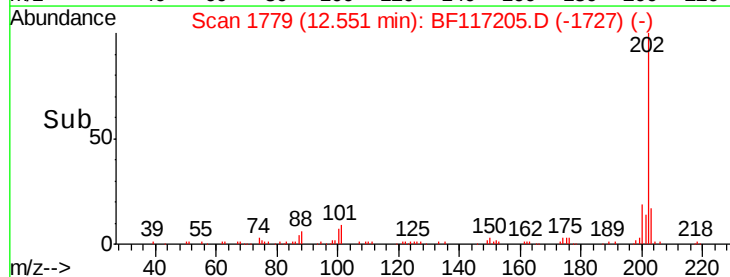
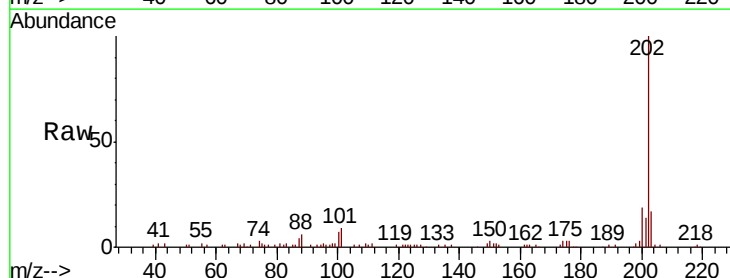
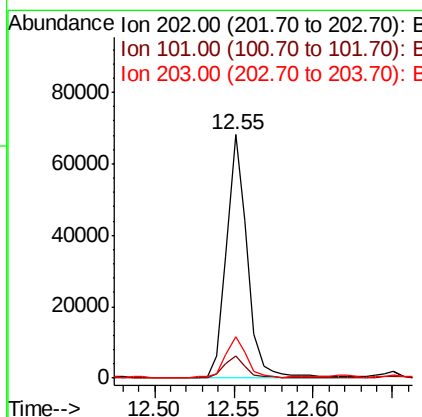
RT: 12.55 min Scan# 1779

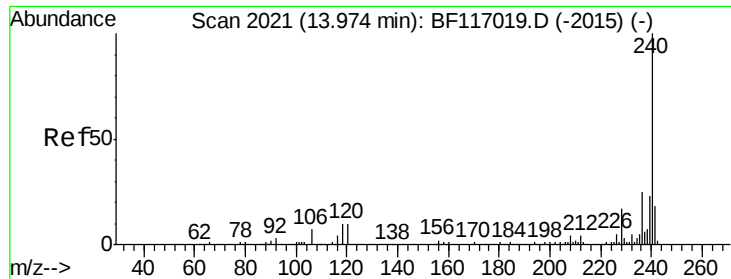
Delta R.T. 0.01 min

Lab File: BF117205.D

Acq: 21 Sep 2019 00:02

Tgt Ion:	202	Resp:	62066
Ion Ratio	Lower	Upper	
202	100		
101	9.1	0.0	32.3
203	17.2	0.0	37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.98 min Scan# 2022

Delta R.T. 0.01 min

Lab File: BF117205.D

Acq: 21 Sep 2019 00:02

Instrument :

BNA_F

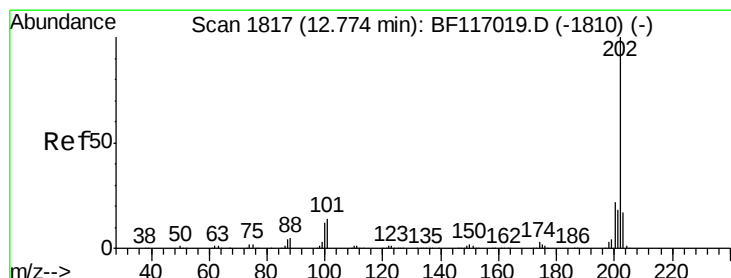
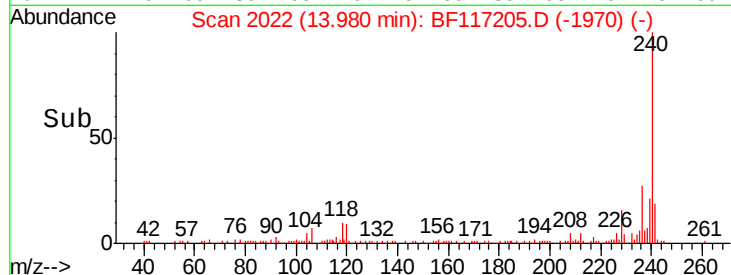
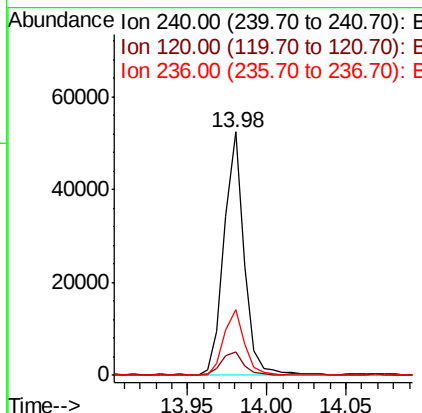
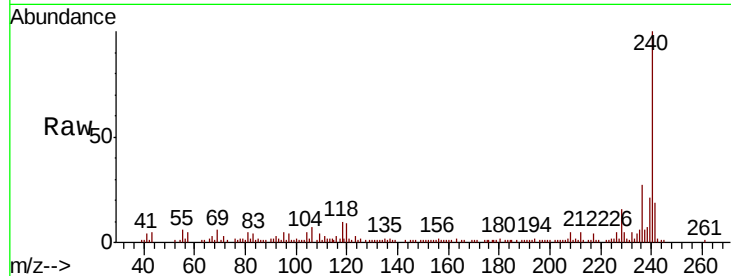
ClientSampleId :

SB-1

Tot Ion:	240	Resp:	46345
Ion Ratio	Lower	Upper	
240	100		
120	9.4	8.3	12.5
236	26.8	20.3	30.5

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#78

Pyrene

Concen: 16.715 ng

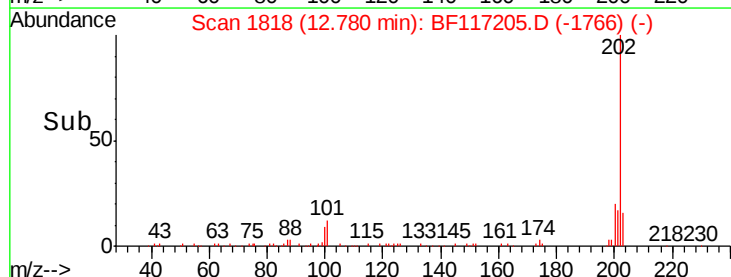
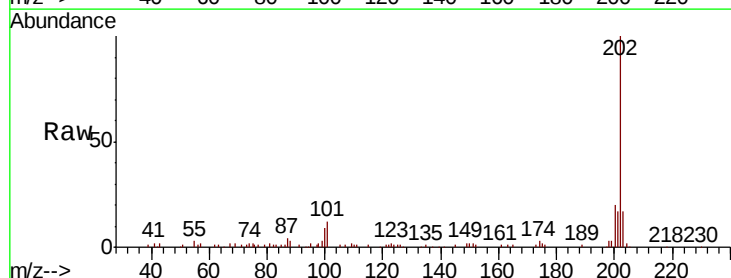
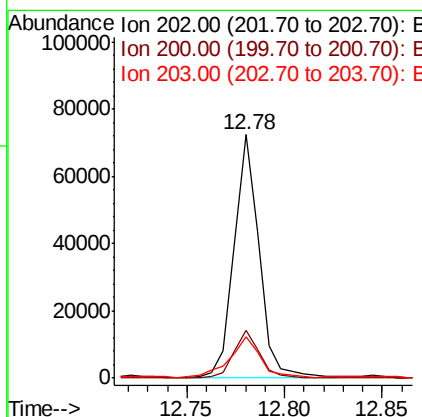
RT: 12.78 min Scan# 1818

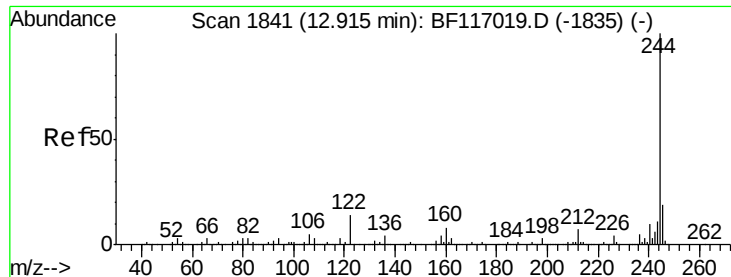
Delta R.T. 0.01 min

Lab File: BF117205.D

Acq: 21 Sep 2019 00:02

Tgt Ion:	202	Resp:	65000
Ion Ratio	Lower	Upper	
202	100		
200	19.5	17.2	25.8
203	16.9	14.0	21.0





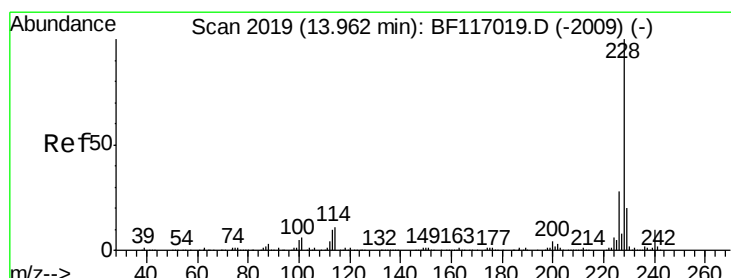
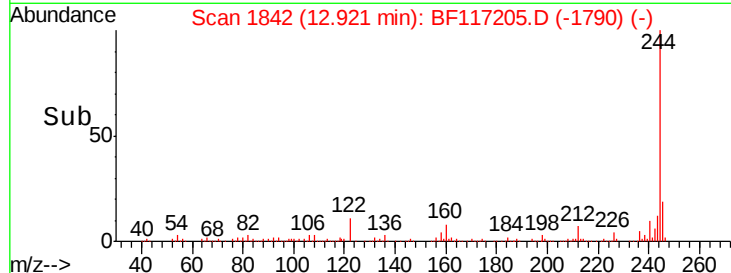
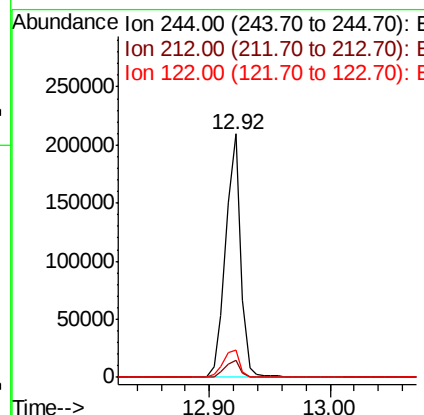
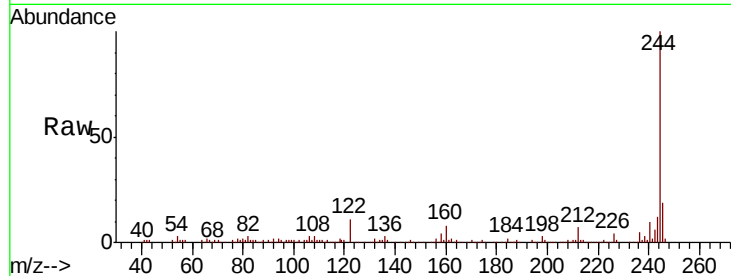
#79
 Terphenyl-d14
 Concen: 72.167 ng
 RT: 12.92 min Scan# 1842
 Delta R.T. 0.01 min
 Lab File: BF117205.D
 Acq: 21 Sep 2019 00:02

Instrument :
 BNA_F
 ClientSampled :
 SB-1

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.8	8.8
122	11.2	11.3	16.9

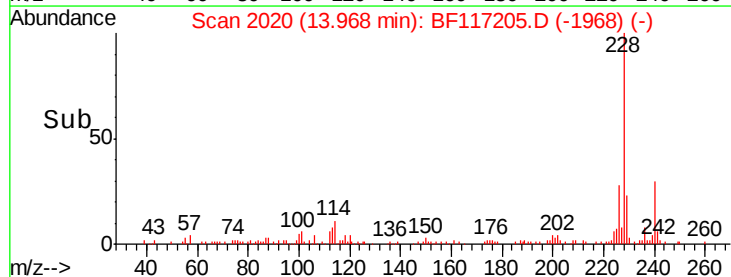
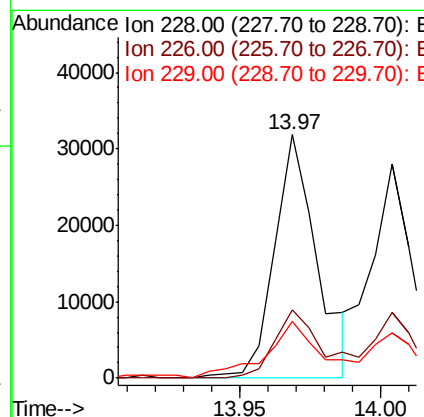
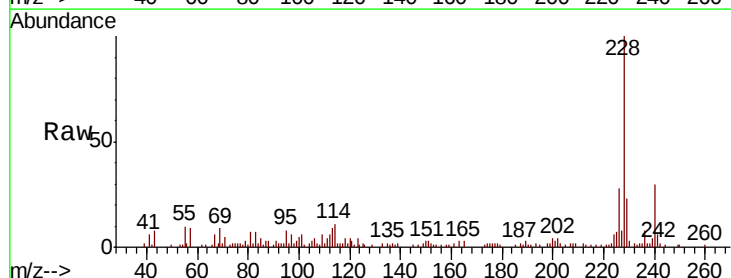
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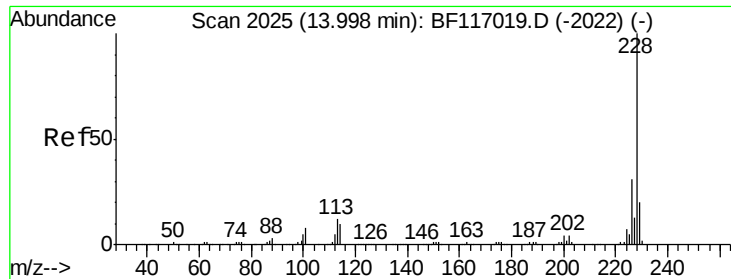
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#81
 Benzo(a)anthracene
 Concen: 10.735 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. 0.01 min
 Lab File: BF117205.D
 Acq: 21 Sep 2019 00:02

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.3	33.5
229	23.2	15.9	23.9





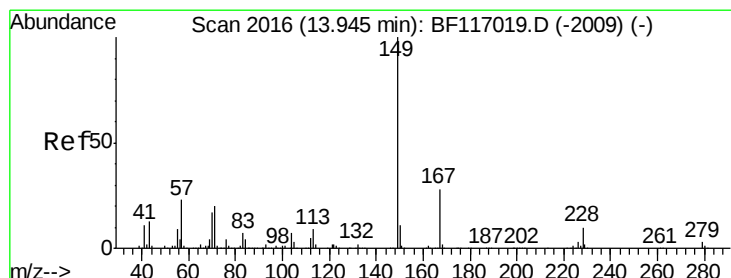
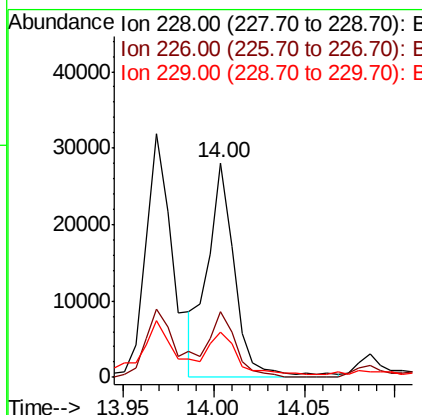
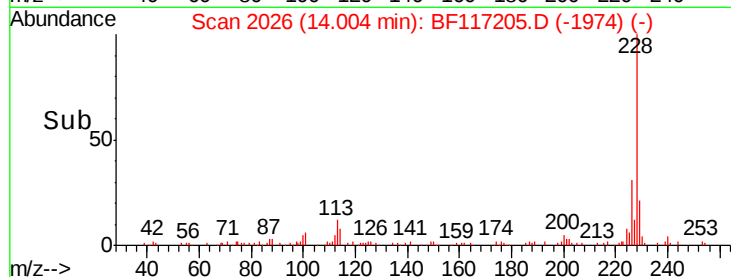
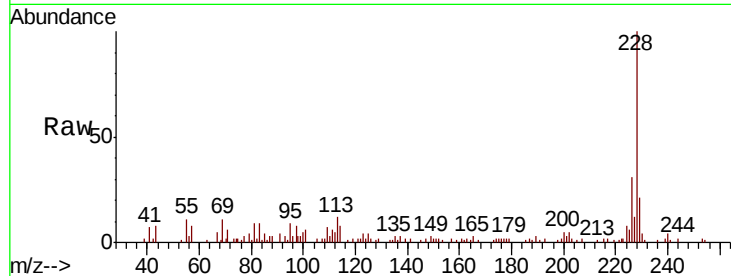
#83
Chrysene
Concen: 9.738 ng
RT: 14.00 min Scan# 2026
Delta R.T. 0.01 min
Lab File: BF117205.D
Acq: 21 Sep 2019 00:02

Instrument :
BNA_F
ClientSampleId :
SB-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.8	37.2
229	21.3	15.8	23.8

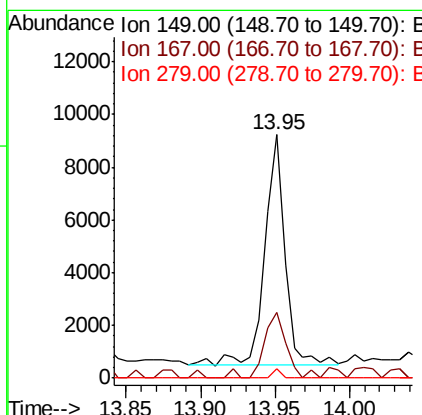
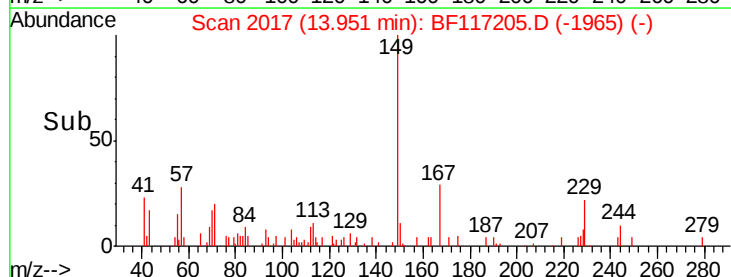
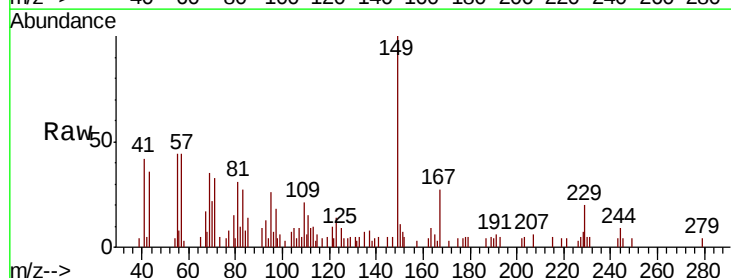
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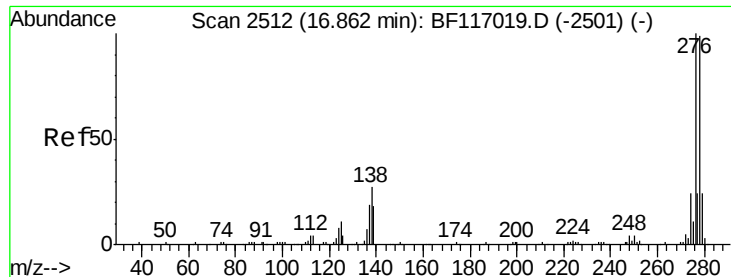
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#84
Bis(2-ethylhexyl)phthalate
Concen: 3.484 ng
RT: 13.95 min Scan# 2017
Delta R.T. 0.01 min
Lab File: BF117205.D
Acq: 21 Sep 2019 00:02

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.9	22.2	33.2
279	3.7	2.8	4.2





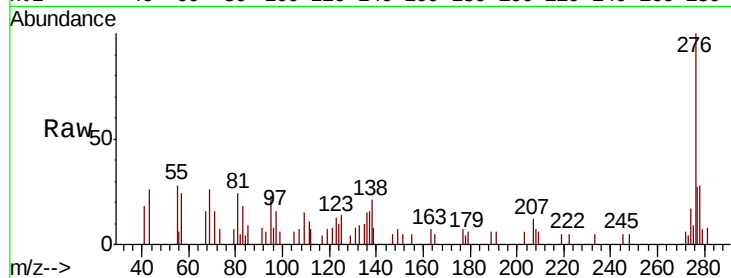
#86
Indeno(1,2,3-cd)pyrene
Concen: 6.418 ng
RT: 16.89 min Scan# 2516
Delta R.T. 0.02 min
Lab File: BF117205.D
Acq: 21 Sep 2019 00:02

Instrument :
BNA_F
ClientSampleId :
SB-1

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.4	20.7	31.1#
277	28.5	19.8	29.8

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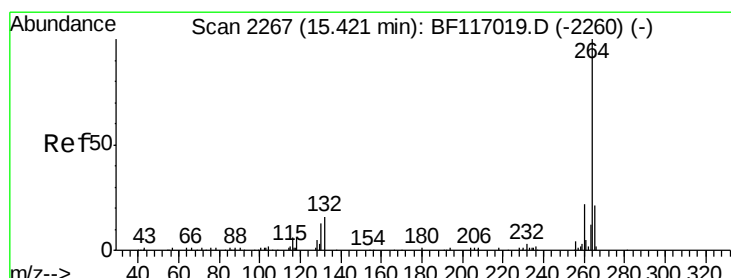
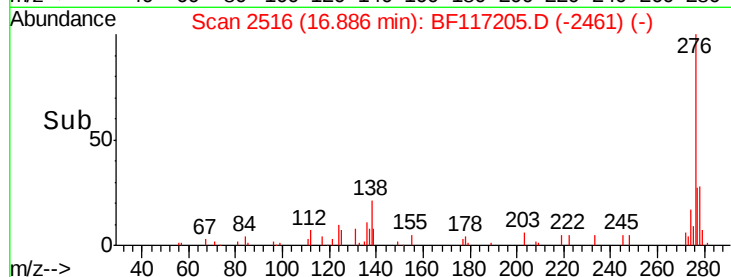
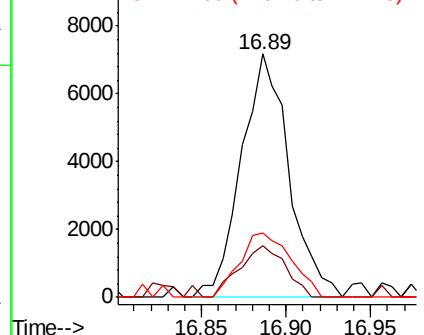


Abundance

Ion 276.00 (275.70 to 276.70): E

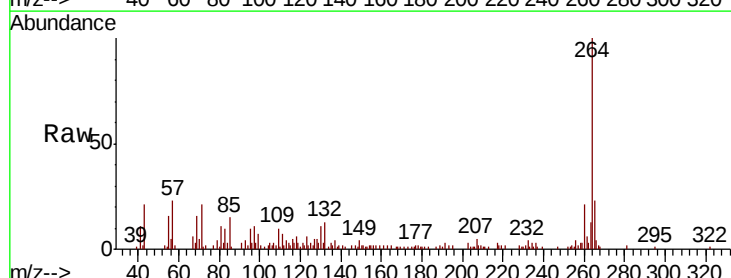
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. 0.02 min
Lab File: BF117205.D
Acq: 21 Sep 2019 00:02

Tgt Ion	Ratio	Lower	Upper
264	100		
260	21.0	17.6	26.4
265	23.2	16.6	24.8

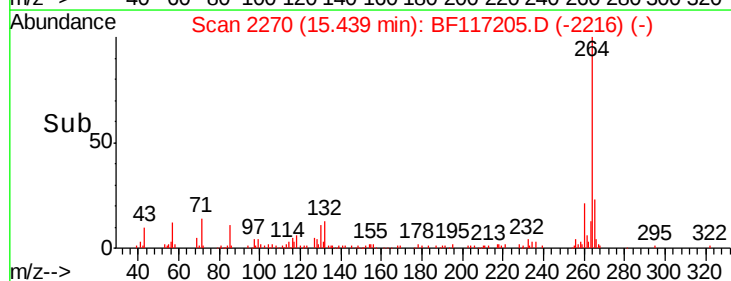
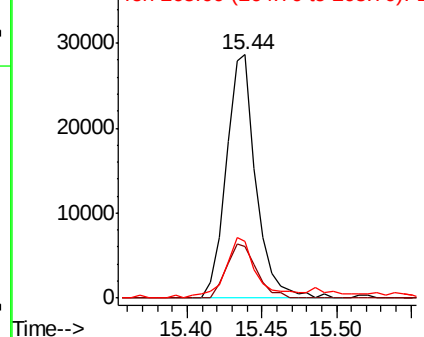


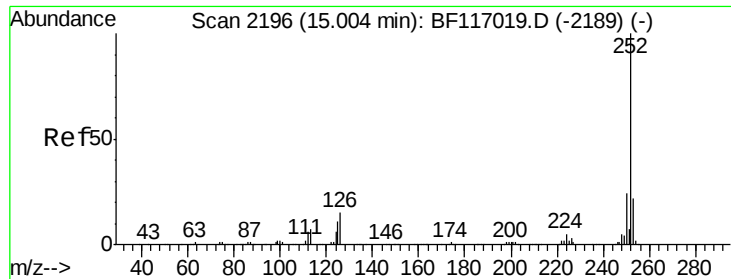
Abundance

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





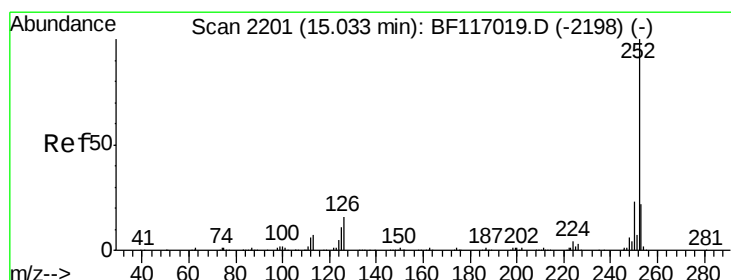
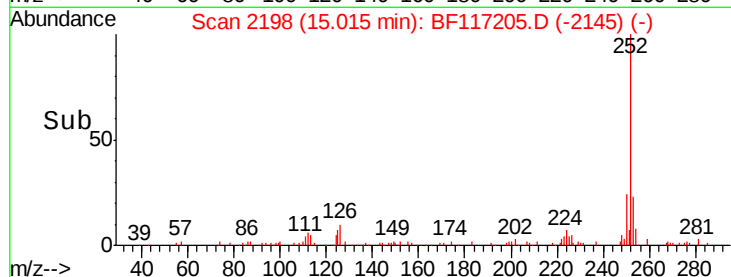
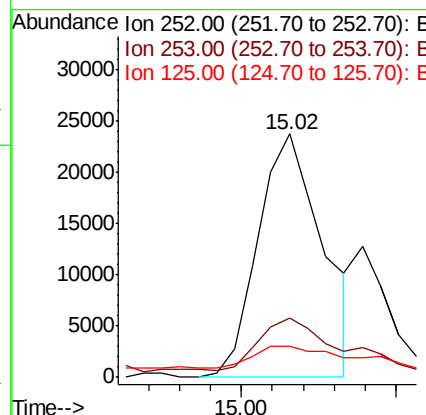
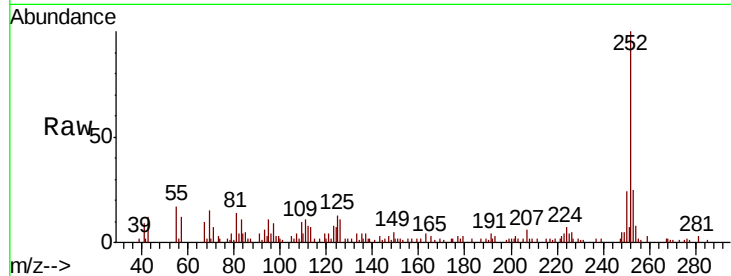
#88
Benzo(b)fluoranthene
Concen: 14.228 ng m
RT: 15.02 min Scan# 2198
Delta R.T. 0.01 min
Lab File: BF117205.D
Acq: 21 Sep 2019 00:02

Instrument :
BNA_F
ClientSampleId :
SB-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.6	26.4
125	12.6	8.6	12.8

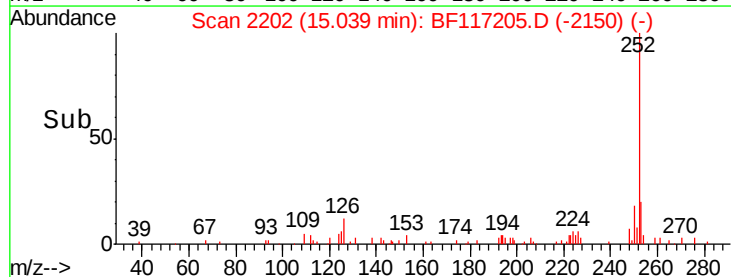
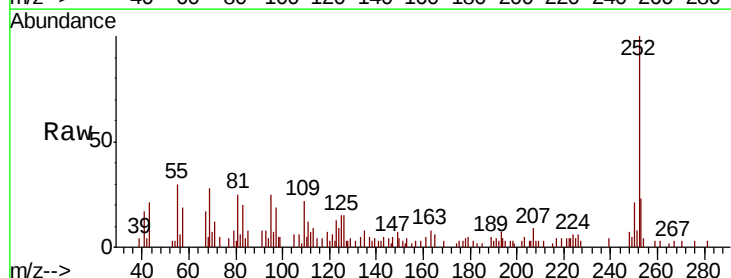
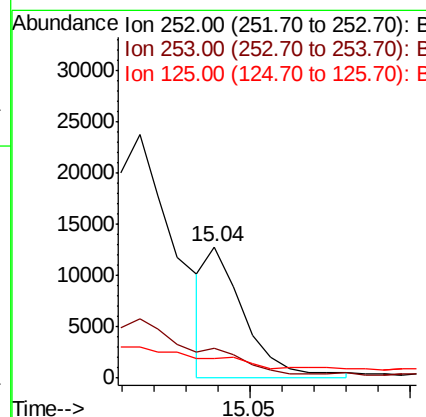
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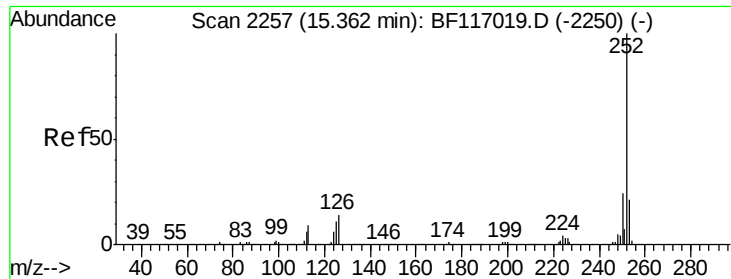
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#89
Benzo(k)fluoranthene
Concen: 4.677 ng m
RT: 15.04 min Scan# 2202
Delta R.T. 0.01 min
Lab File: BF117205.D
Acq: 21 Sep 2019 00:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.4	26.2
125	14.8	8.8	13.2





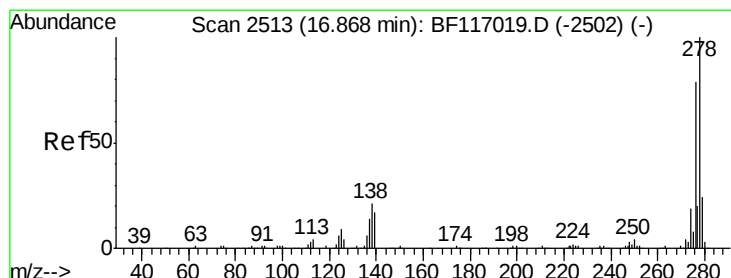
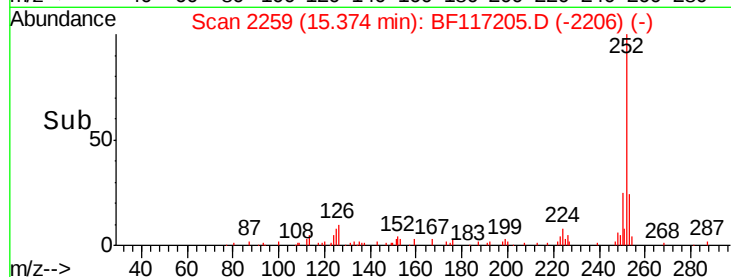
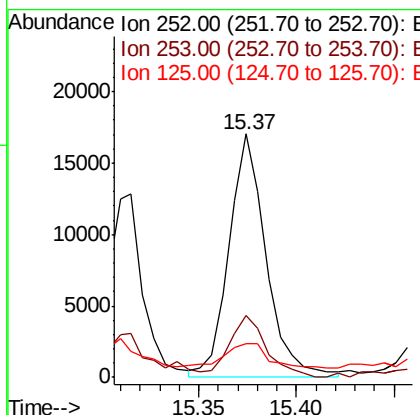
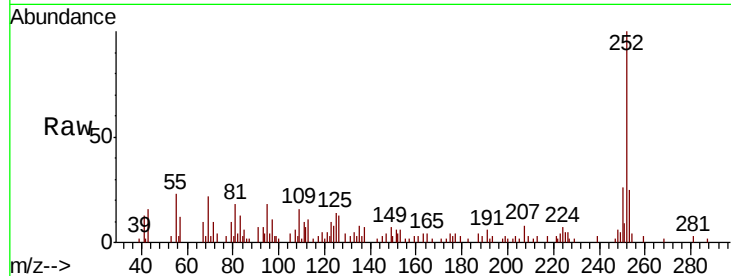
#90
Benzo(a)pyrene
Concen: 10.599 ng
RT: 15.37 min Scan# 2259
Delta R.T. 0.01 min
Lab File: BF117205.D
Acq: 21 Sep 2019 00:02

Instrument :
BNA_F
ClientSampled :
SB-1

Tot Ion	Ratio	Resp	Lower	Upper
252	100	22493		
253	25.4	16.6	25.0	
125	14.1	8.9	13.3	

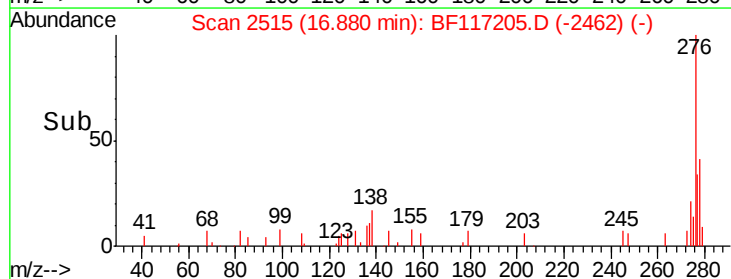
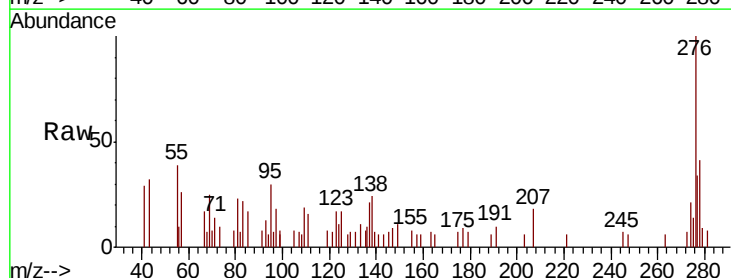
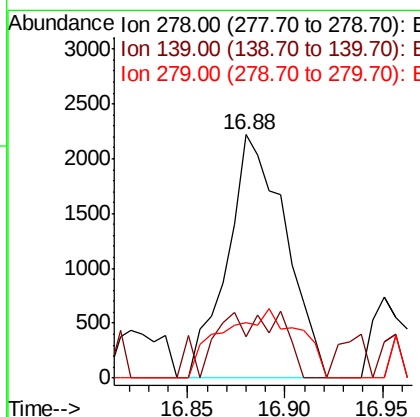
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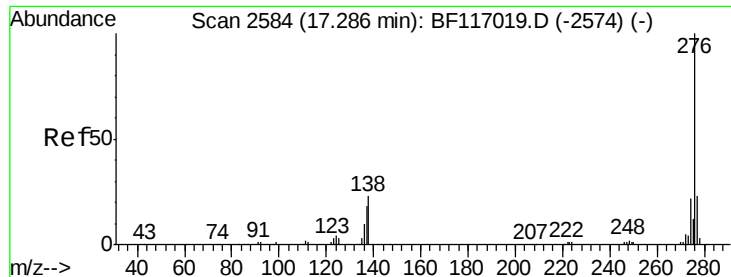
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#91
Dibenzo(a,h)anthracene
Concen: 2.713 ng
RT: 16.88 min Scan# 2515
Delta R.T. 0.01 min
Lab File: BF117205.D
Acq: 21 Sep 2019 00:02

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	4586		
139	17.1	13.5	20.3	
279	23.0	18.8	28.2	





#92
 Benzo(a,h,i)perylene
 Concen: 8.037 ng
 RT: 17.32 min Scan# 2590
 Delta R.T. 0.04 min
 Lab File: BF117205.D
 Acq: 21 Sep 2019 00:02

Instrument :
 BNA_F
 ClientSampleId :
 SB-1

Tot Ion:	276	Resp:	13539
Ion Ratio	Lower	Upper	
276	100		
277	23.3	18.6	27.8
138	26.6	18.0	27.0

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