

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090119\
 Data File : BF116742.D
 Acq On : 1 Sep 2019 15:04
 Operator : HP/JU
 Sample : K4527-05
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T9-12-13-N1-N4-(0-1.9)

Manual Integrations
 APPROVED

mohammad
 9/5/2019 9:54:19 AM

Quant Time: Sep 02 05:42:22 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 20:02:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	110412	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	438768	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	236615	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	409232	20.00	ng	-0.01
76) Chrysene-d12	13.99	240	268598	20.00	ng	0.00
87) Perylene-d12	15.44	264	275336	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	596252	87.49	ng	0.00
7) Phenol-d6	6.47	99	819975	91.62	ng	-0.01
23) Nitrobenzene-d5	7.40	82	507216	65.99	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	177181	112.01	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	877326	62.55	ng	-0.01
79) Terphenyl-d14	12.94	244	874734	60.25	ng	0.00
Target Compounds						
10) Phenol	6.48	94	36625	3.696	ng	Qvalue 93
37) 2-Methylnaphthalene	8.83	142	28092	2.024	ng	95
50) Dimethylphthalate	9.59	163	97525	5.970	ng	99
71) Phenanthrene	11.38	178	302278	13.269	ng	99
75) Fluoranthene	12.57	202	546450	24.409	ng	98
78) Pyrene	12.80	202	459790	19.257	ng	97
81) Benzo(a)anthracene	13.98	228	182762	10.751	ng	96
83) Chrysene	14.02	228	205212m	11.717	ng	
84) Bis(2-ethylhexyl)phthalate	13.97	149	71453	4.985	ng	96
86) Indeno(1,2,3-cd)pyrene	16.89	276	141710	10.074	ng	97
88) Benzo(b)fluoranthene	15.02	252	254452m	15.286	ng	
89) Benzo(k)fluoranthene	15.05	252	92325m	6.083	ng	
90) Benzo(a)pyrene	15.39	252	170653	11.783	ng	# 95
91) Dibenzo(a,h)anthracene	16.89	278	32205	2.540	ng	# 75
92) Benzo(a,h,i)perylene	17.32	276	140563	10.872	ng	# 91

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

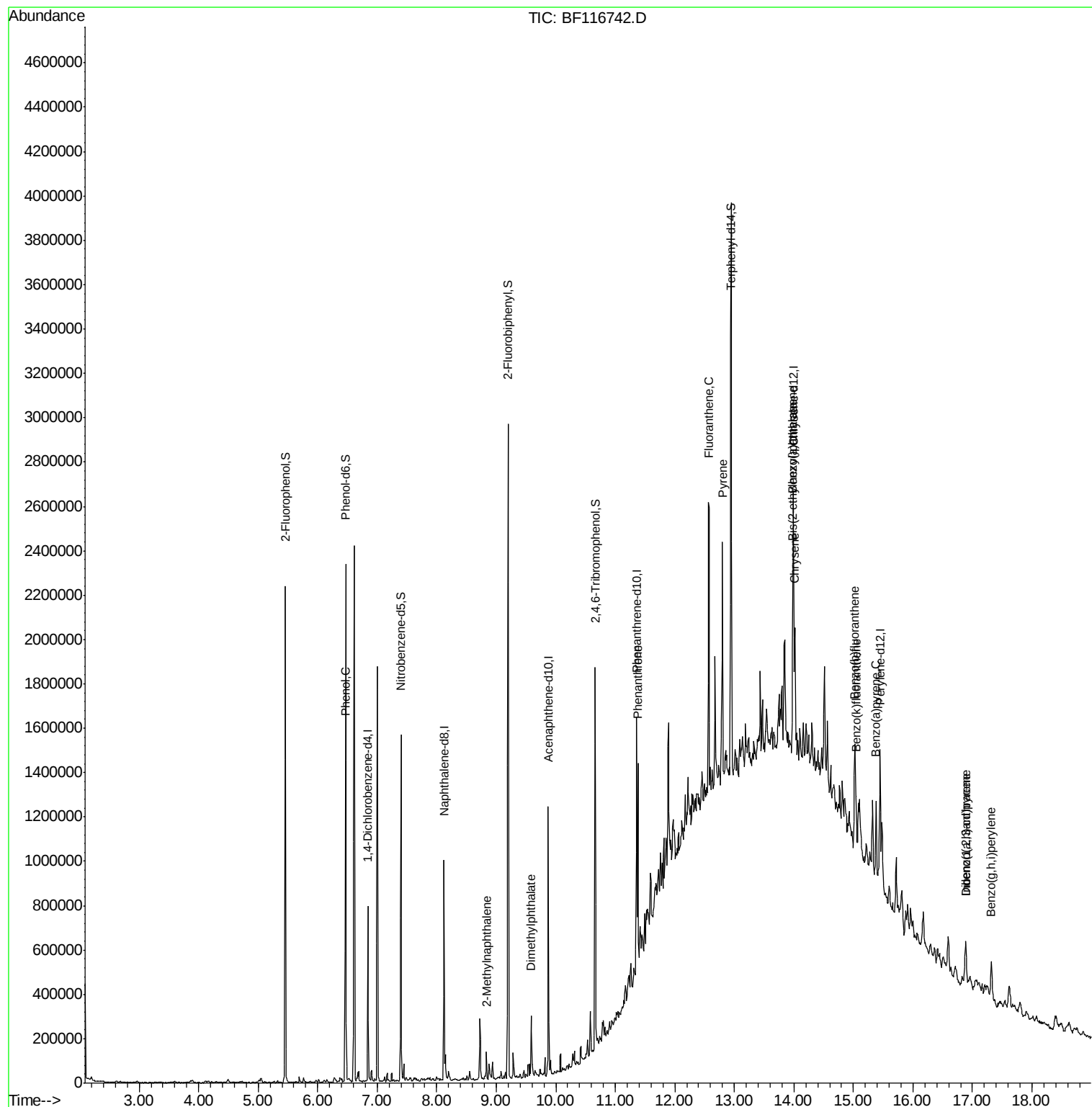
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090119\
Data File : BF116742.D
Acq On : 1 Sep 2019 15:04
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#1

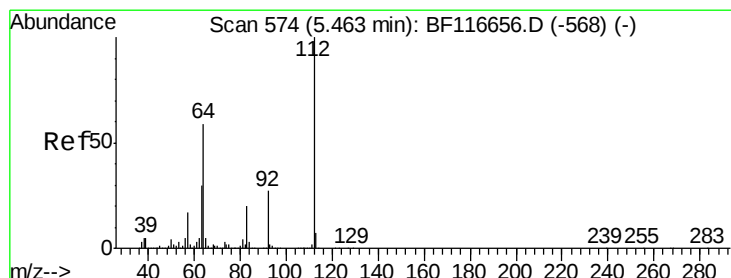
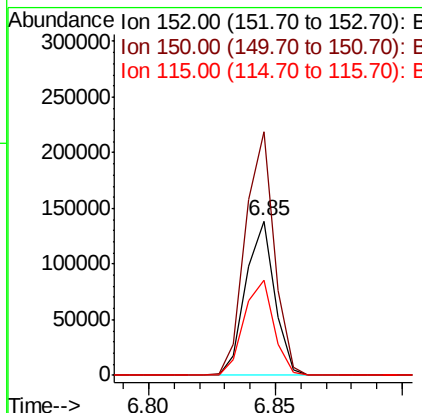
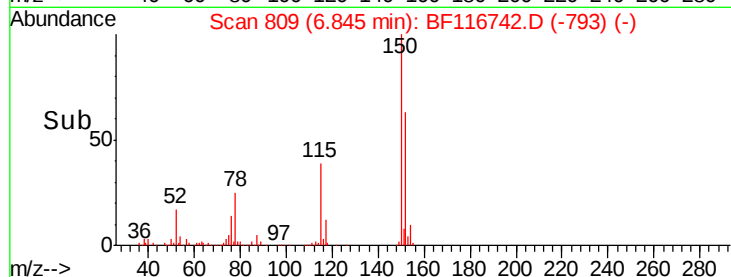
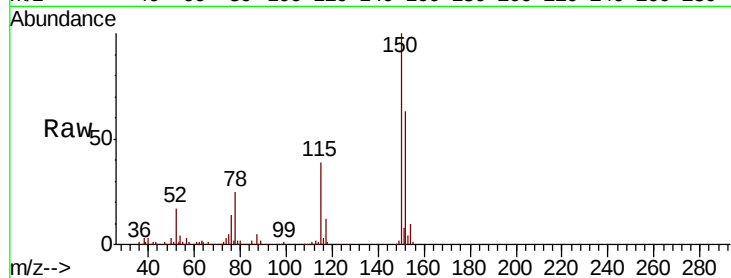
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116742.D
Acq: 1 Sep 2019 15:04

Instrument :
BNA_F
ClientSampleId :
T9-12-13-N1-N4-(0-1.9)

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.8	124.4	186.6
115	61.9	49.9	74.9

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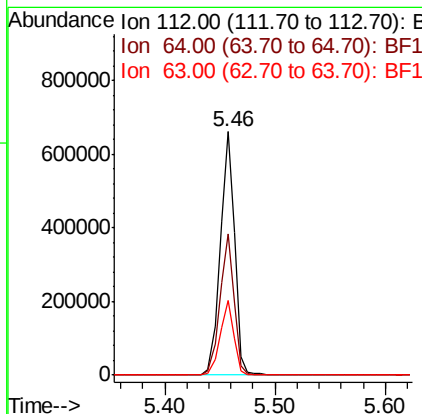
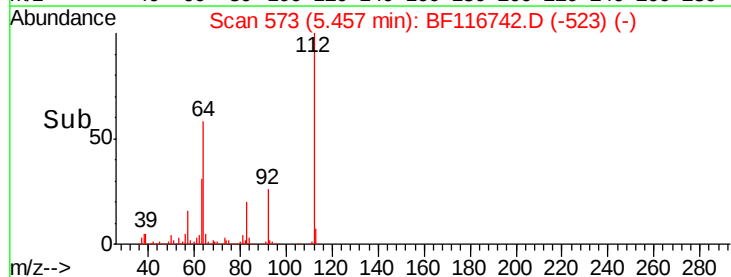
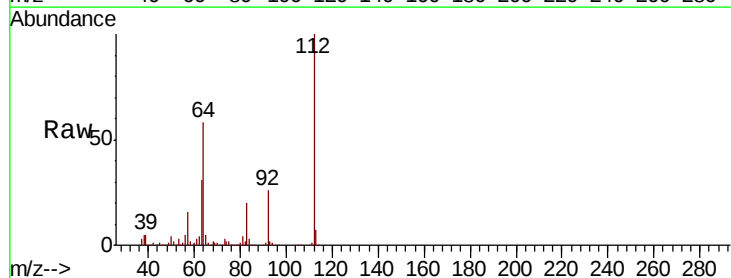
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#5

2-Fluorophenol
Concen: 87.487 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF116742.D
Acq: 1 Sep 2019 15:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.1	47.1	70.7
63	30.7	24.9	37.3





#7

Phenol-d6

Concen: 91.625 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF116742.D

Acq: 1 Sep 2019 15:04

Instrument :

BNA_F

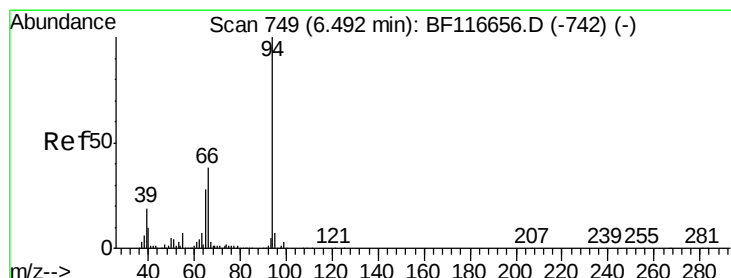
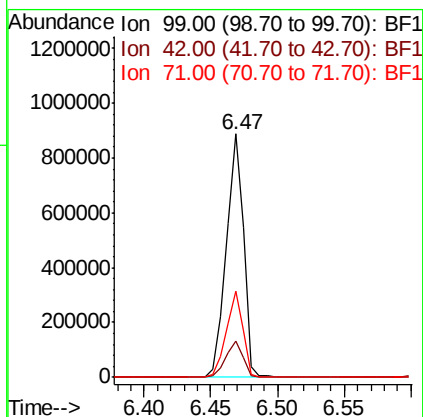
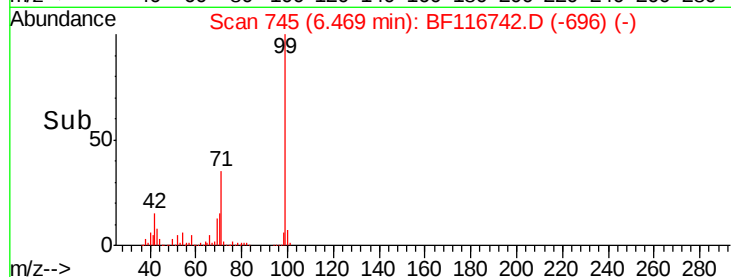
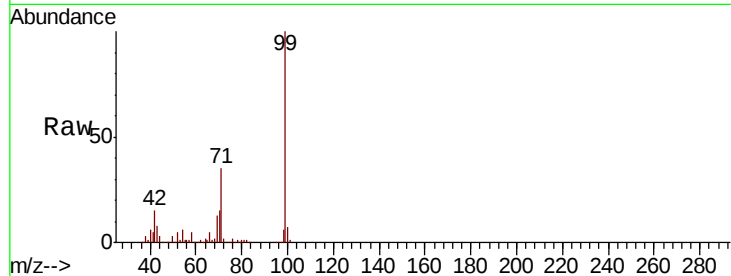
ClientSampleId :

T9-12-13-N1-N4-(0-1.9)

Tot Ion:	99	Resp:	819975
Ion Ratio	Lower	Upper	
99	100		
42	15.0	13.7	20.5
71	35.1	30.8	46.2

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#10

Phenol

Concen: 3.696 ng

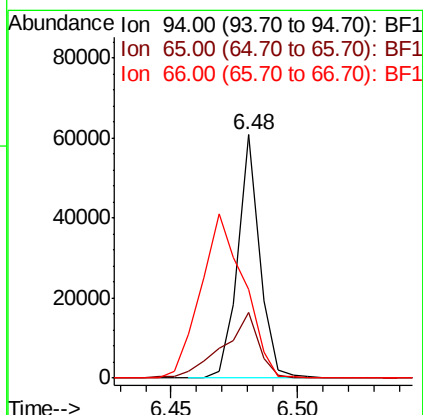
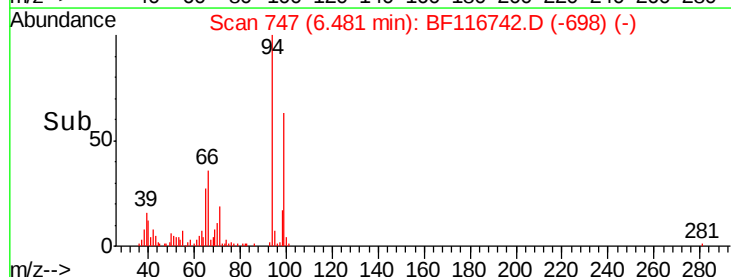
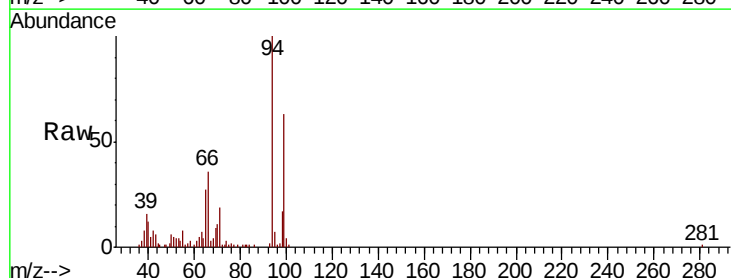
RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF116742.D

Acq: 1 Sep 2019 15:04

Tgt Ion:	94	Resp:	36625
Ion Ratio	Lower	Upper	
94	100		
65	26.8	10.8	50.8
66	36.4	21.1	61.1





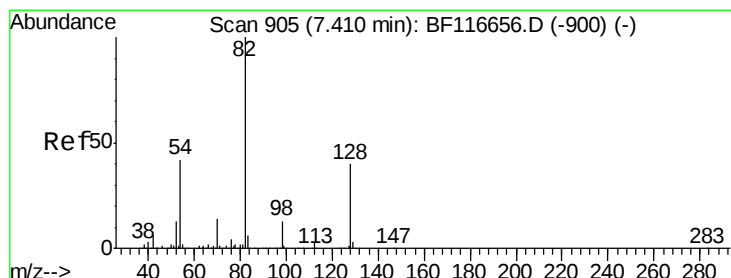
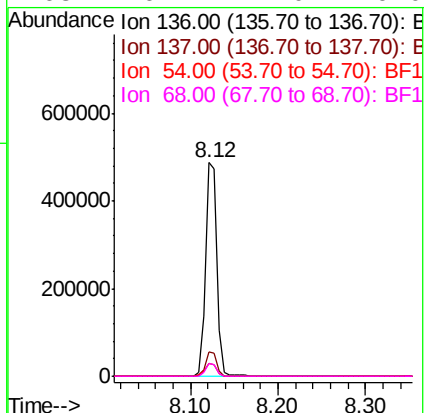
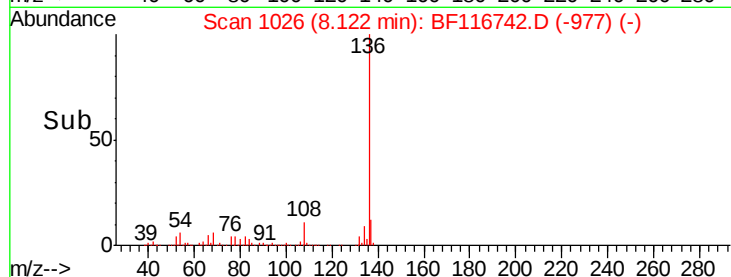
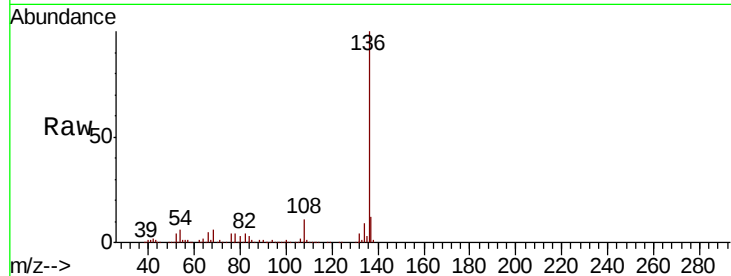
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BF116742.D
Acq: 1 Sep 2019 15:04

Instrument :
BNA_F
ClientSampleId :
T9-12-13-N1-N4-(0-1.9)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		438768		
137	11.5	8.9	13.3		
54	6.3	4.8	7.2		
68	6.1	4.0	6.0#		

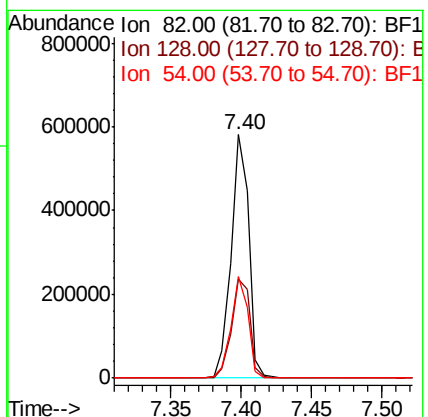
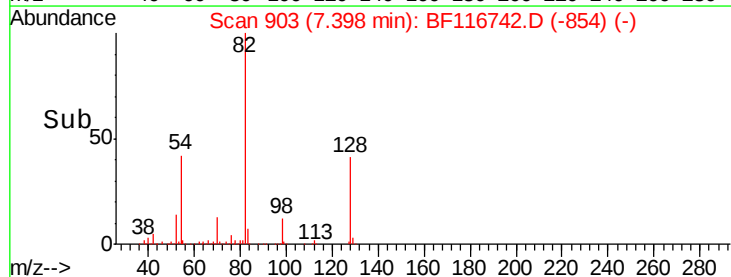
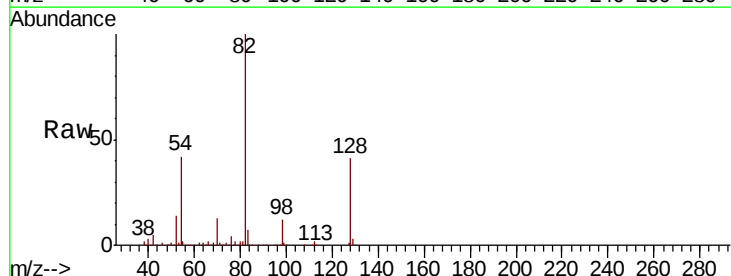
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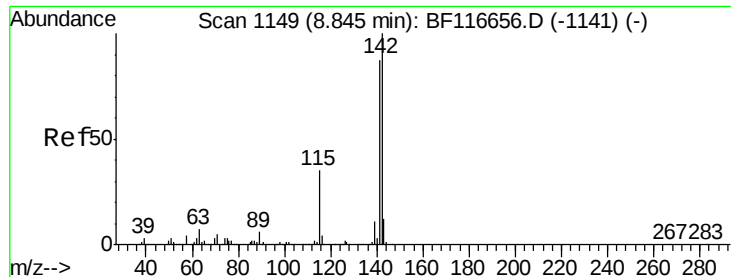
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#23
Nitrobenzene-d5
Concen: 65.993 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF116742.D
Acq: 1 Sep 2019 15:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		507216		
128	40.7	32.8	49.2		
54	41.5	36.9	55.3		





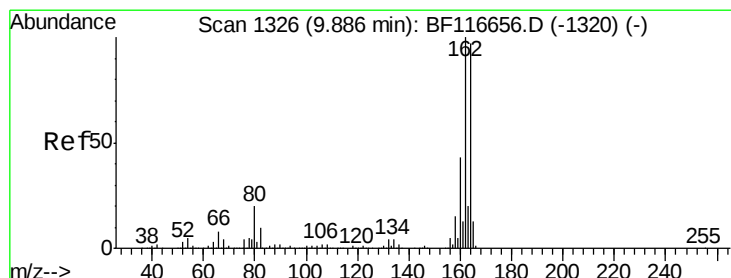
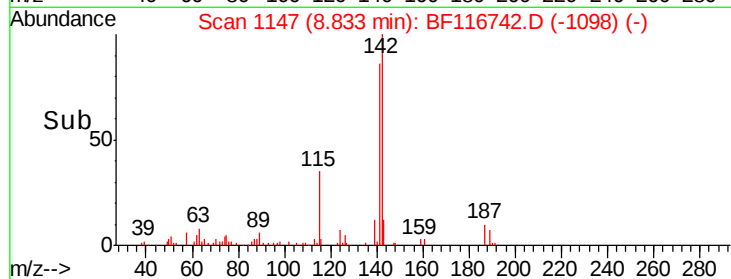
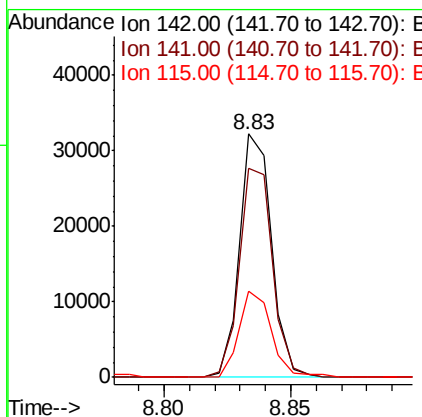
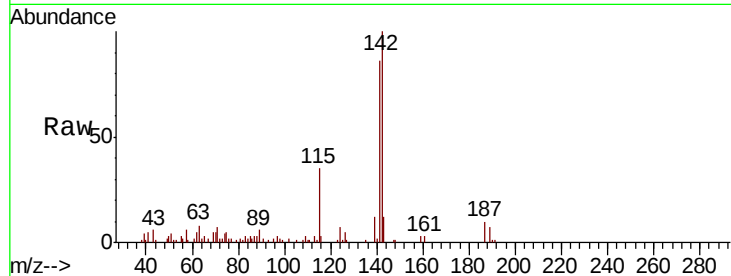
#37
2-Methylnaphthalene
Concen: 2.024 ng
RT: 8.83 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BF116742.D
Acq: 1 Sep 2019 15:04

Instrument :
BNA_F
ClientSampleId :
T9-12-13-N1-N4-(0-1.9)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
142	100		28092		
141	85.9	72.6	109.0		
115	35.3	29.8	44.6		

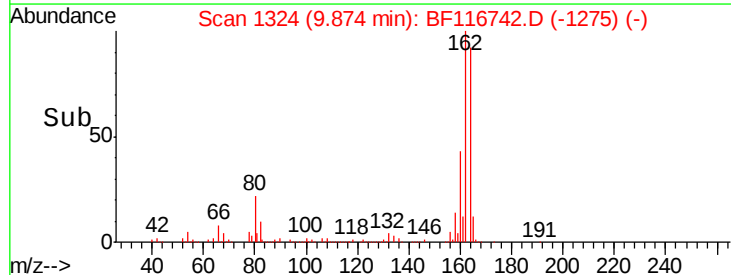
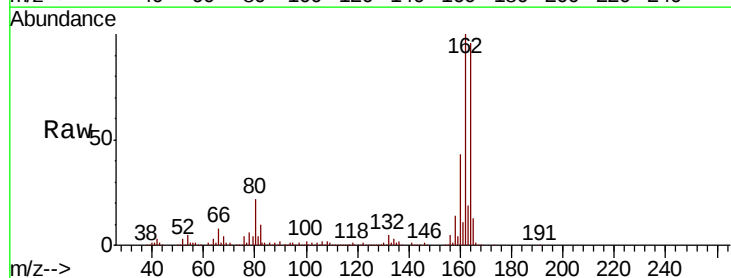
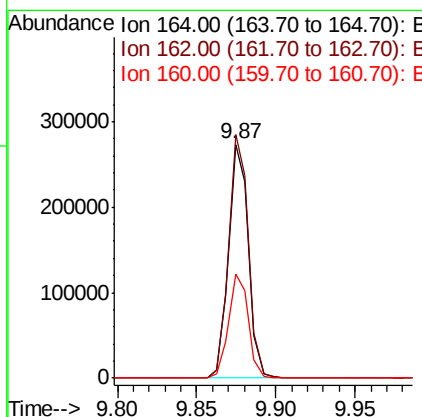
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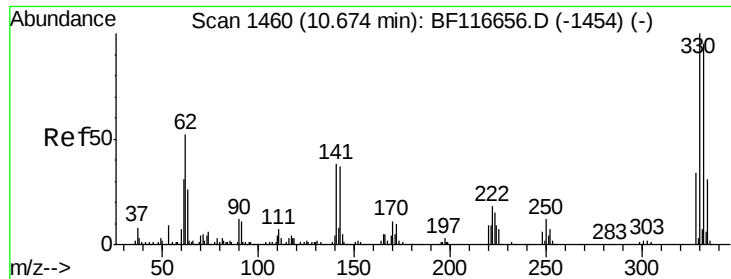
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF116742.D
Acq: 1 Sep 2019 15:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
164	100		236615		
162	104.2	81.4	122.0		
160	44.6	35.4	53.2		





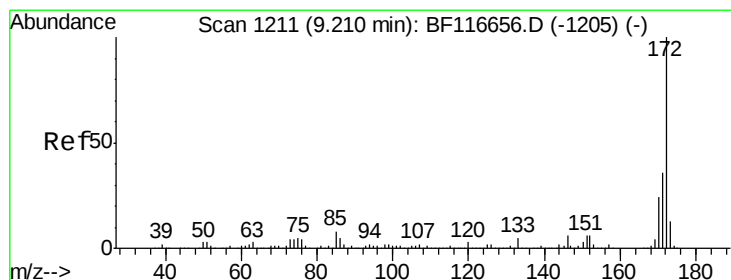
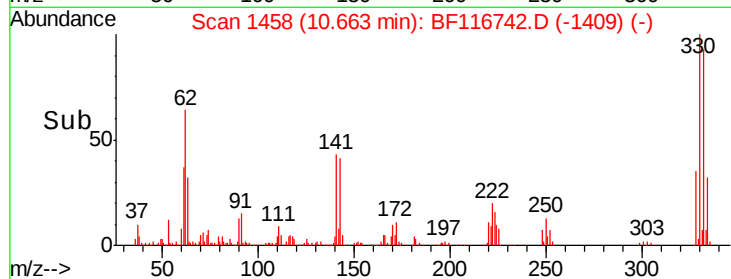
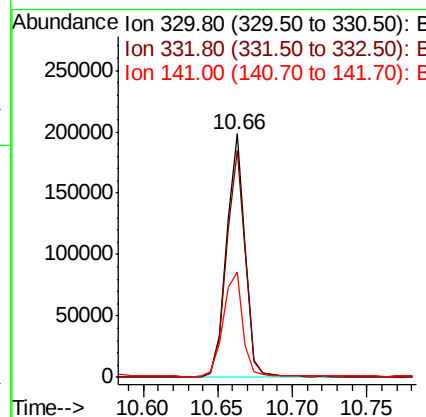
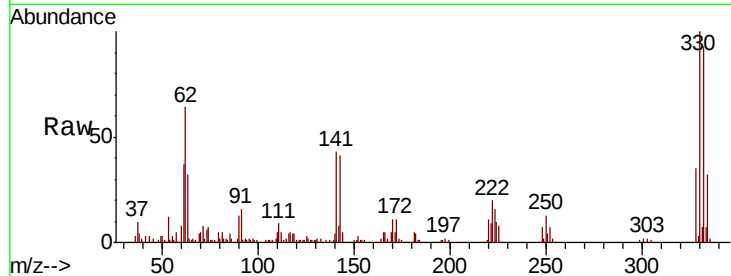
#42
 2,4,6-Tribromophenol
 Concen: 112.011 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.01 min
 Lab File: BF116742.D
 Acq: 1 Sep 2019 15:04

Instrument :
 BNA_F
 ClientSampleId :
 T9-12-13-N1-N4-(0-1.9)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	177181		
332	94.4	76.9	115.3	
141	44.1	31.4	47.2	

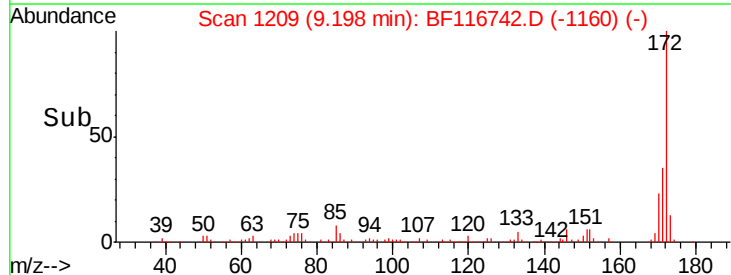
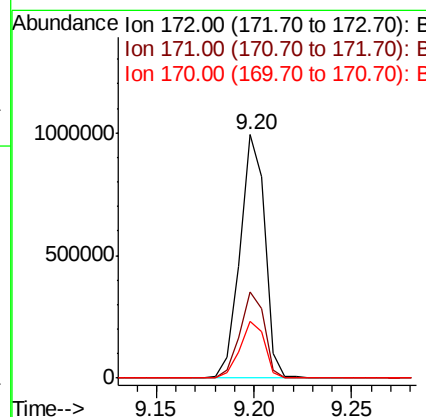
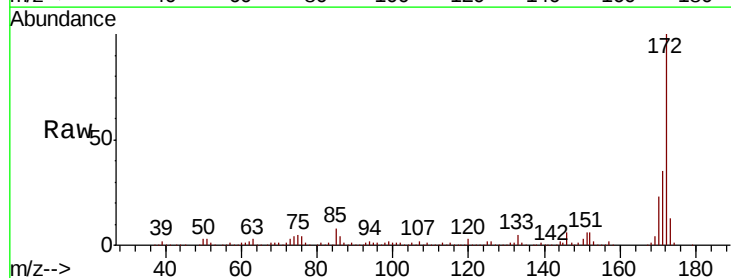
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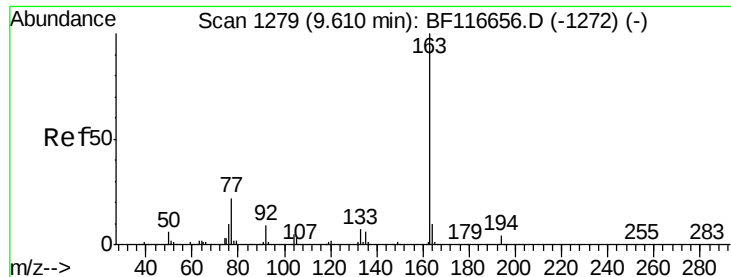
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#45
 2-Fluorobiphenyl
 Concen: 62.547 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF116742.D
 Acq: 1 Sep 2019 15:04

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	877326		
171	35.2	27.8	41.6	
170	23.3	18.9	28.3	





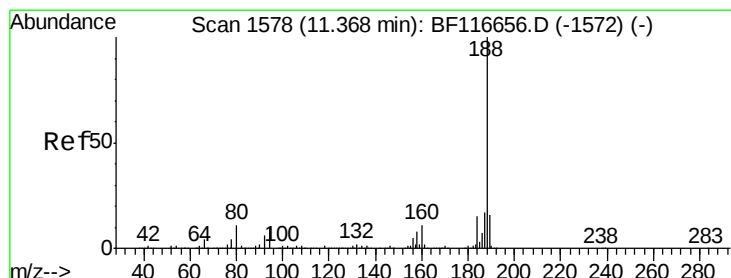
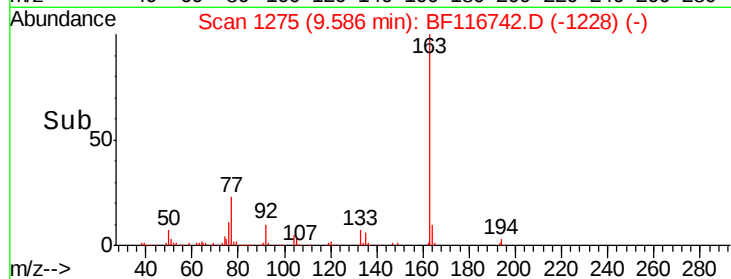
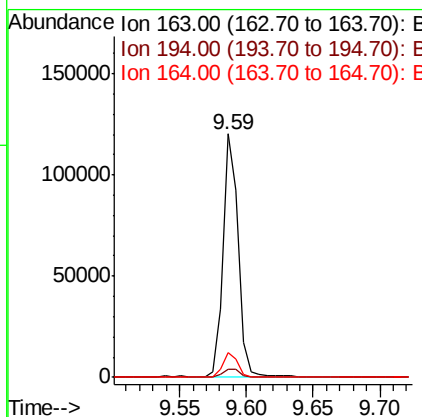
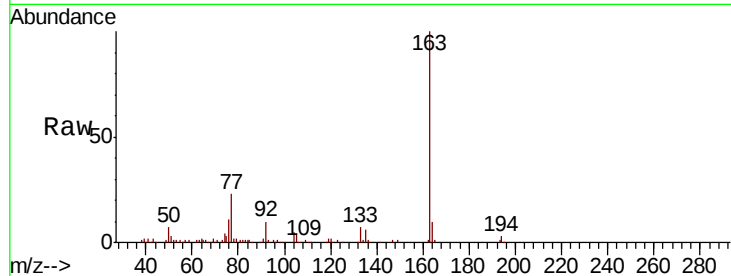
#50
Dimethylphthalate
Concen: 5.970 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.02 min
Lab File: BF116742.D
Acq: 1 Sep 2019 15:04

Instrument :
BNA_F
ClientSampleId :
T9-12-13-N1-N4-(0-1.9)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	97525		
194	3.3		2.8	4.2
164	10.1		8.6	12.8

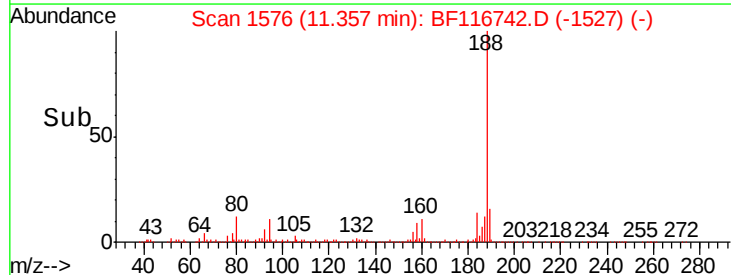
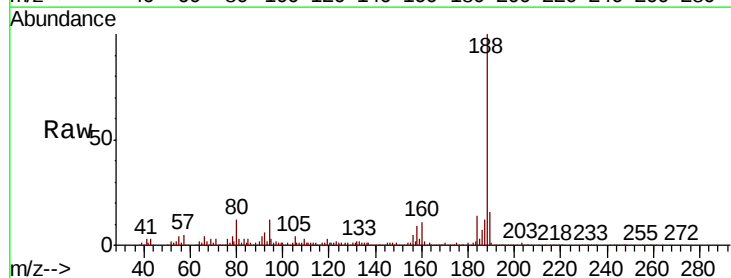
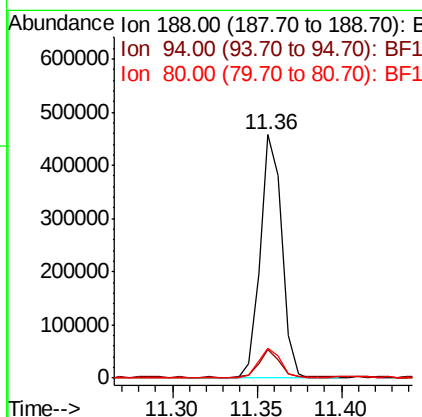
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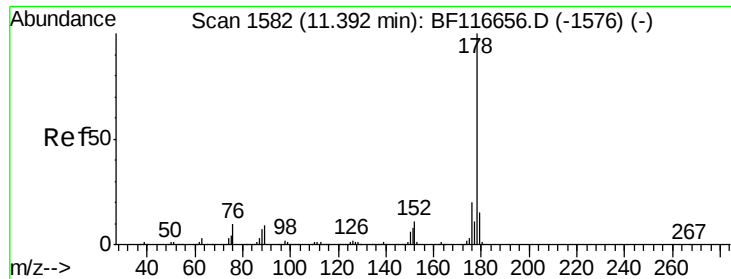
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF116742.D
Acq: 1 Sep 2019 15:04

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	409232		
94	11.6		7.3	10.9#
80	12.4		8.4	12.6





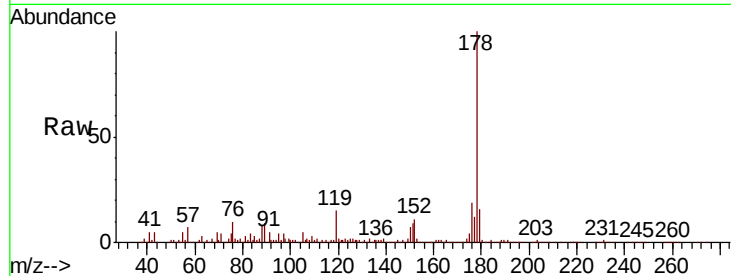
#71
Phenanthrene
Concen: 13.269 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.01 min
Lab File: BF116742.D
Acq: 1 Sep 2019 15:04

Instrument :
BNA_F
ClientSampleId :
T9-12-13-N1-N4-(0-1.9)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.0
179	15.7	12.2	18.2

Manual Integrations
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9/5/2019 9:54:19 AM

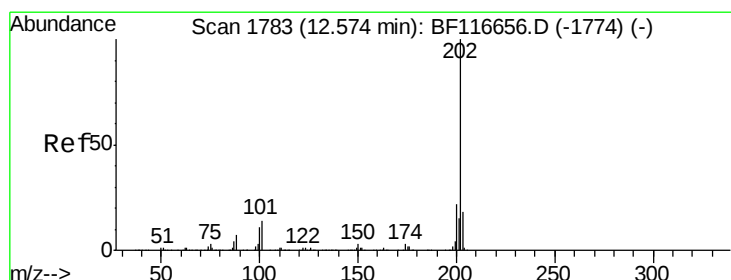
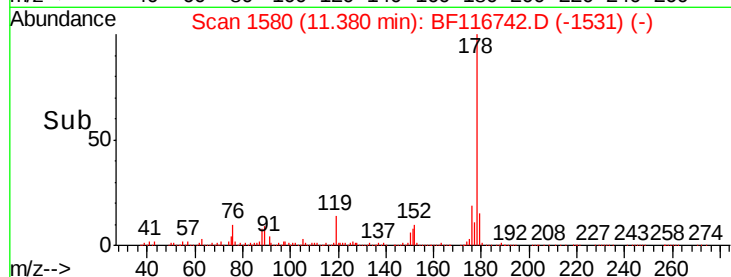
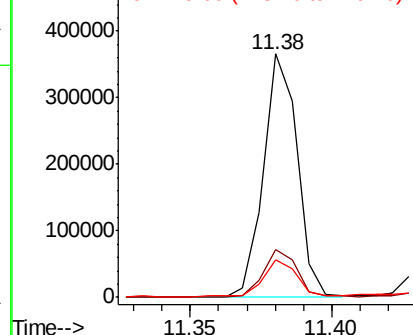


Abundance

Ion 178.00 (177.70 to 178.70): E

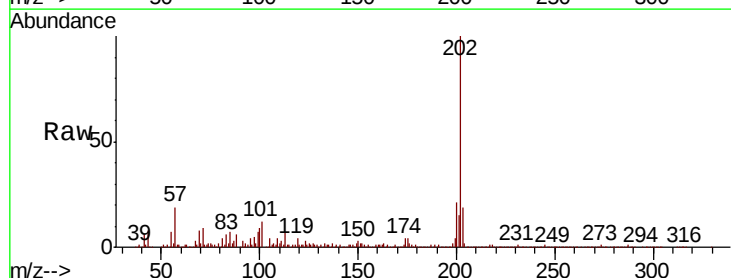
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75
Fluoranthene
Concen: 24.409 ng
RT: 12.57 min Scan# 1783
Delta R.T. 0.00 min
Lab File: BF116742.D
Acq: 1 Sep 2019 15:04

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	31.3
203	18.7	0.0	37.6

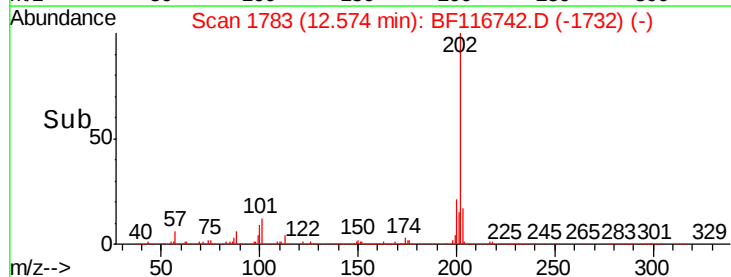
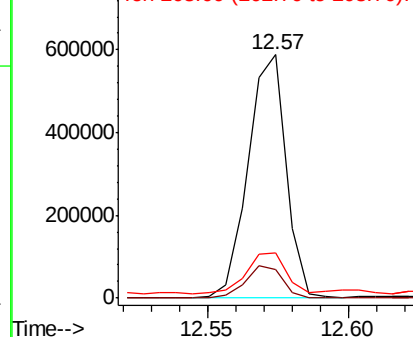


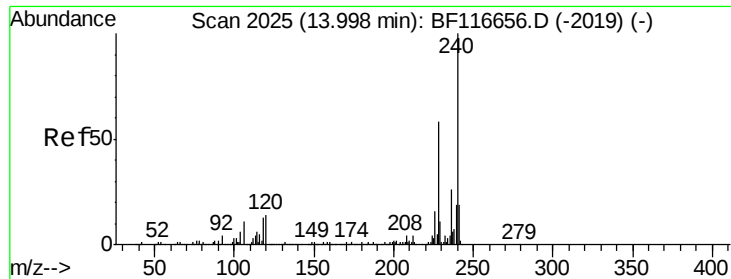
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





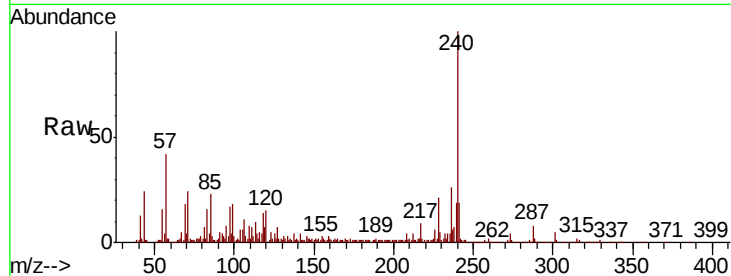
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF116742.D
Acq: 1 Sep 2019 15:04

Instrument :
BNA_F
ClientSampleId :
T9-12-13-N1-N4-(0-1.9)

Tot Ion	Ratio	Resp Lower	Upper
240	100		
120	14.7	9.1	13.7#
236	25.6	21.1	31.7

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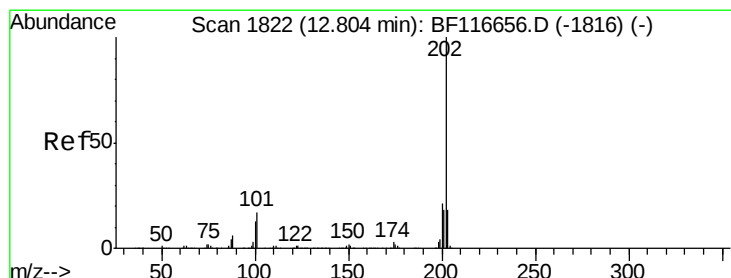
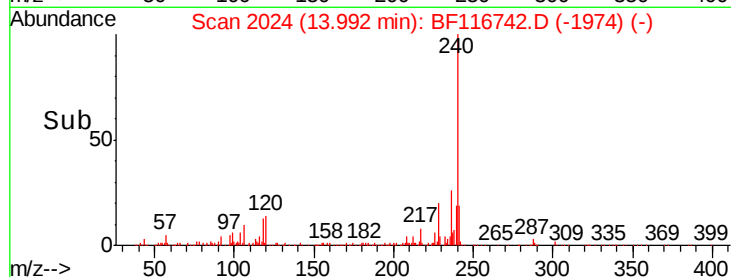
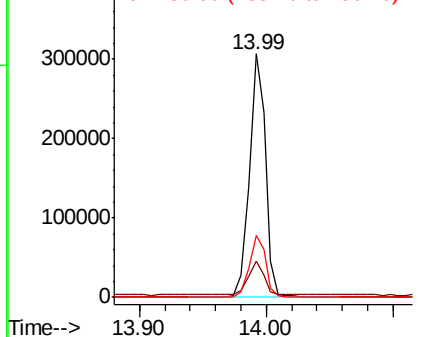


Abundance

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: 19.257 ng
RT: 12.80 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BF116742.D
Acq: 1 Sep 2019 15:04

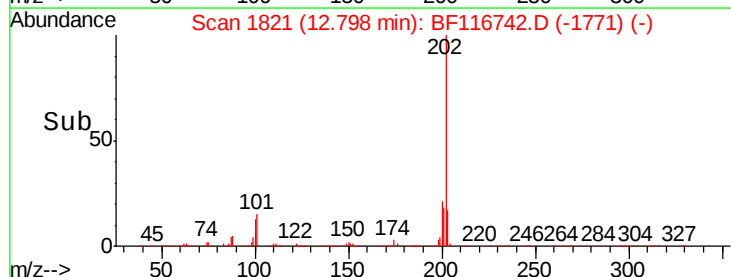
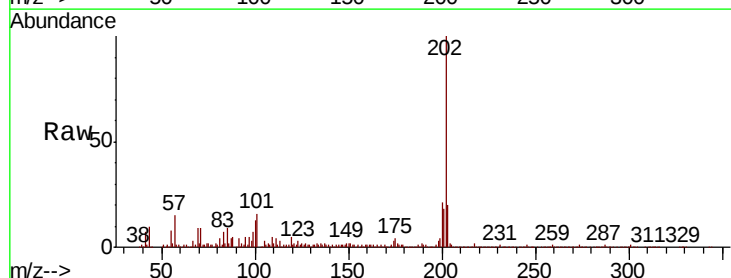
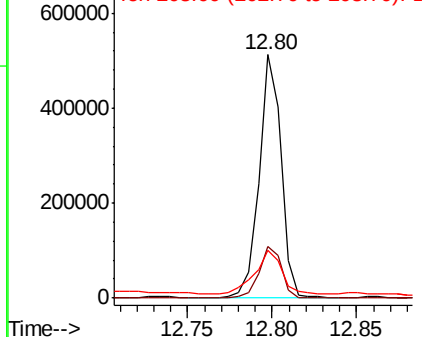
Tgt Ion	Ratio	Resp Lower	Upper
202	100		
200	21.2	16.5	24.7
203	19.6	13.7	20.5

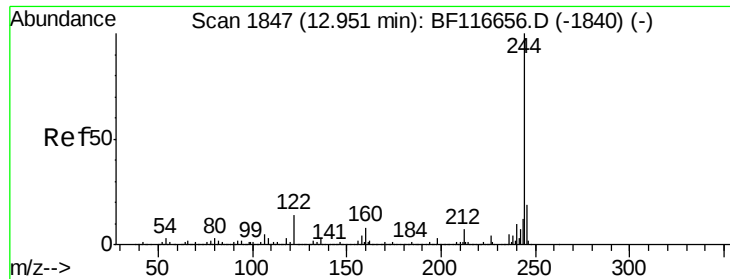
Abundance

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





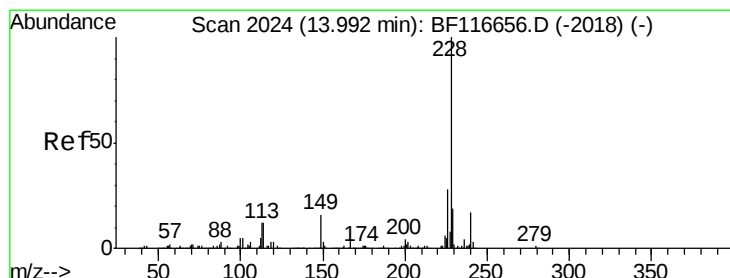
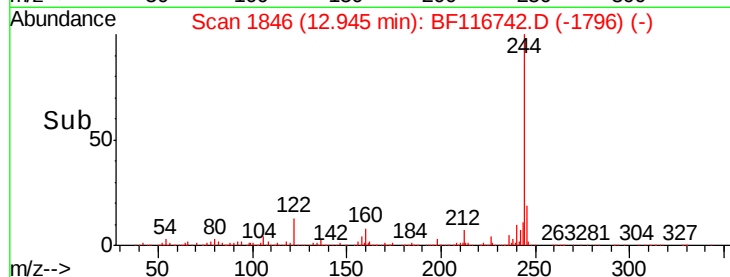
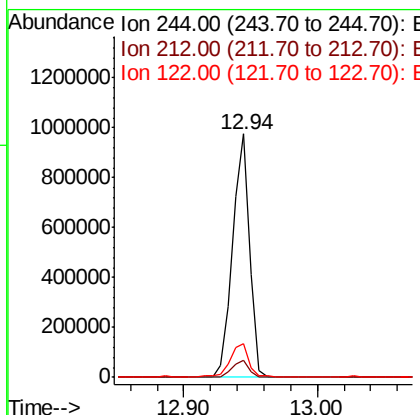
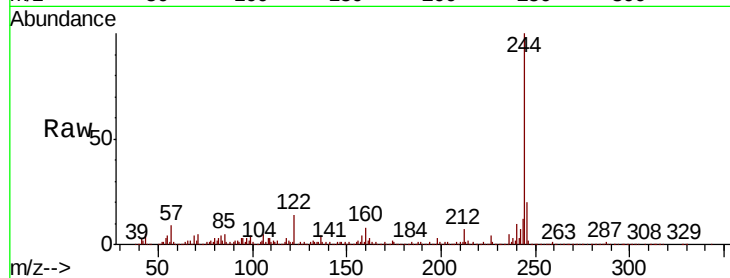
#79
 Terphenyl-d14
 Concen: 60.246 ng
 RT: 12.94 min Scan# 1846
 Delta R.T. -0.01 min
 Lab File: BF116742.D
 Acq: 1 Sep 2019 15:04

Instrument :
 BNA_F
 ClientSampleId :
 T9-12-13-N1-N4-(0-1.9)

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.1	9.1
122	13.6	10.2	15.4

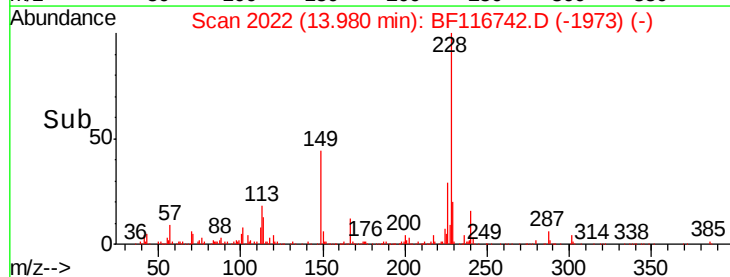
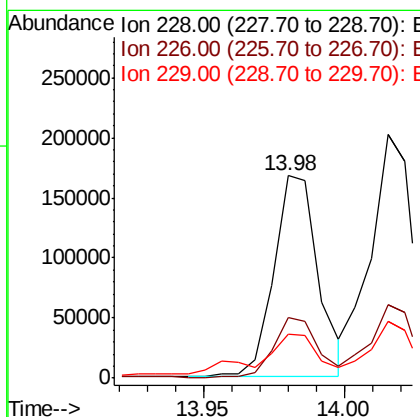
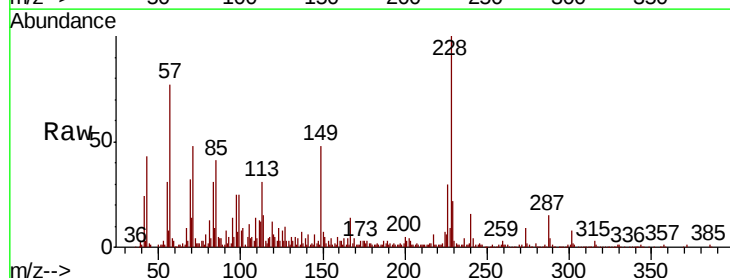
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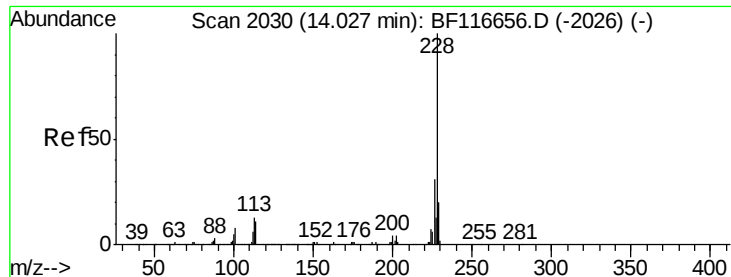
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#81
 Benzo(a)anthracene
 Concen: 10.751 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.01 min
 Lab File: BF116742.D
 Acq: 1 Sep 2019 15:04

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.0	33.0
229	22.0	16.4	24.6





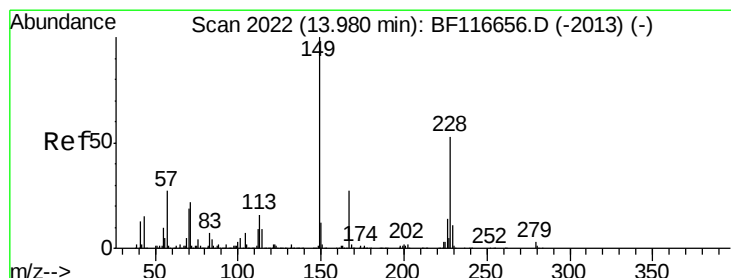
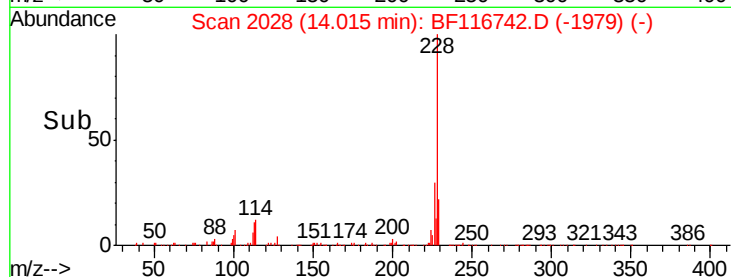
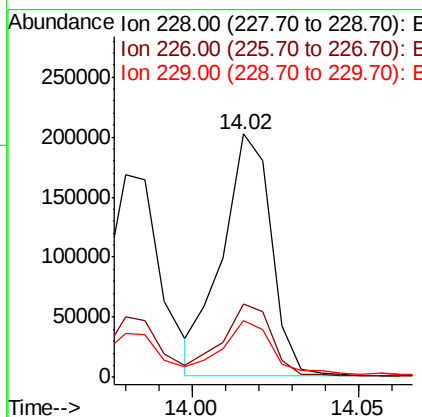
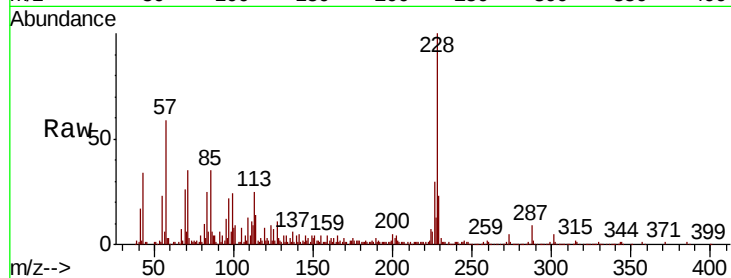
#83
 Chrvsene
 Concen: 11.717 ng m
 RT: 14.02 min Scan# 2028
 Delta R.T. -0.01 min
 Lab File: BF116742.D
 Acq: 1 Sep 2019 15:04

Instrument :
 BNA_F
 ClientSampleId :
 T9-12-13-N1-N4-(0-1.9)

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.0	36.0
229	23.5	15.4	23.0

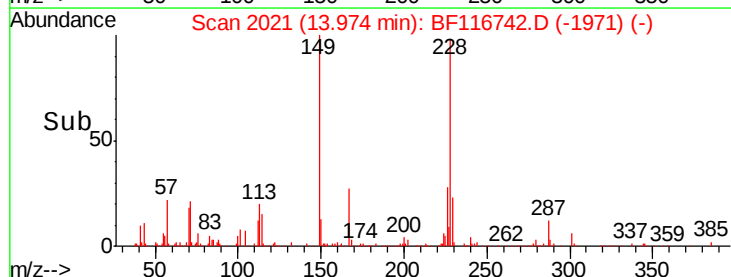
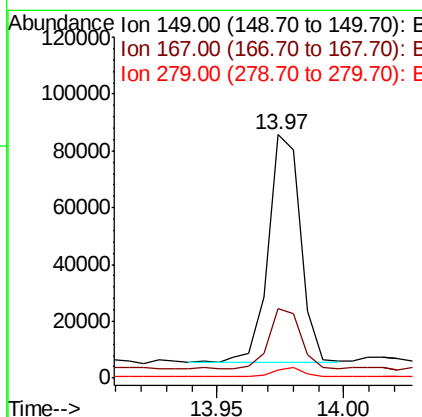
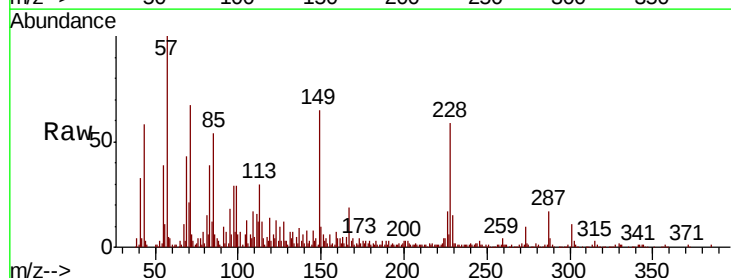
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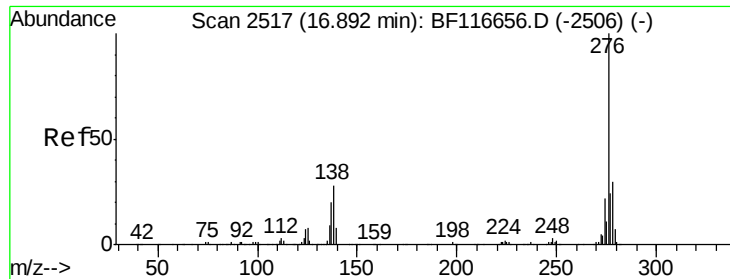
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 4.985 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.01 min
 Lab File: BF116742.D
 Acq: 1 Sep 2019 15:04

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.5	21.0	31.4
279	3.5	2.8	4.2





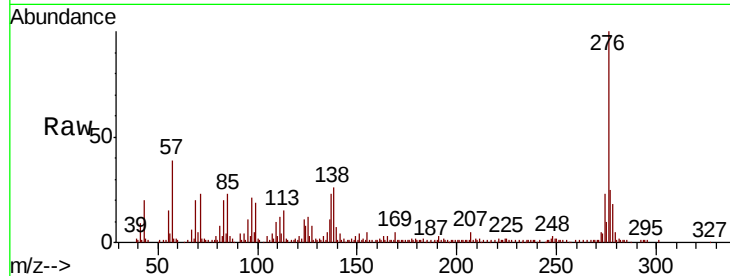
#86
Indeno(1,2,3-cd)pyrene
Concen: 10.074 ng
RT: 16.89 min Scan# 2516
Delta R.T. -0.01 min
Lab File: BF116742.D
Acq: 1 Sep 2019 15:04

Instrument :
BNA_F
ClientSampleId :
T9-12-13-N1-N4-(0-1.9)

Tot Ion:	276	Resp:	141710
Ion Ratio	Lower	Upper	
276	100		
138	25.3	19.4	29.2
277	24.0	20.5	30.7

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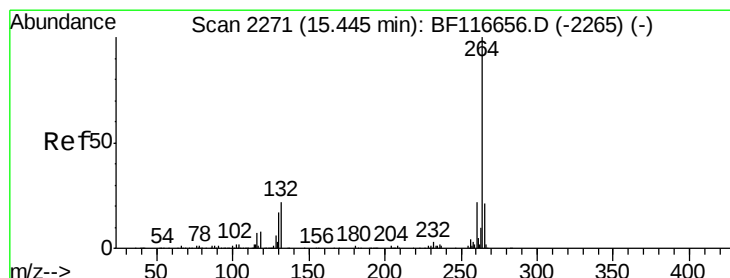
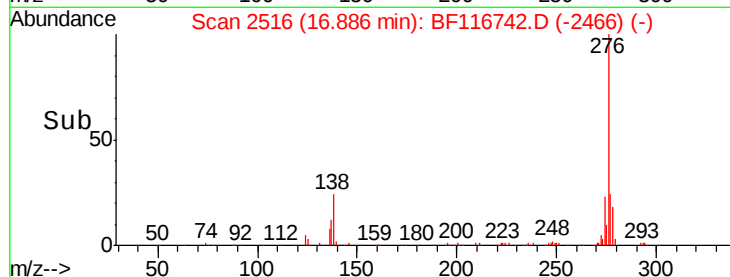
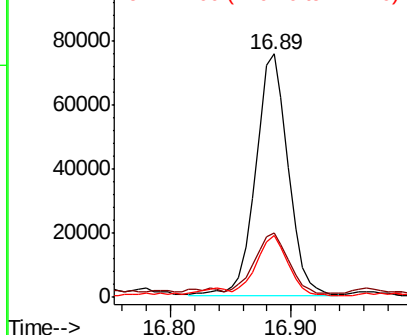


Abundance

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# 2271
Delta R.T. -0.00 min
Lab File: BF116742.D
Acq: 1 Sep 2019 15:04

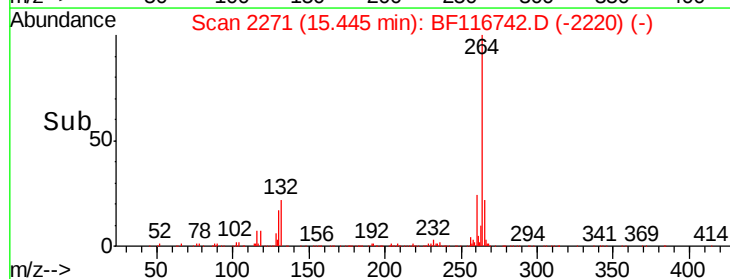
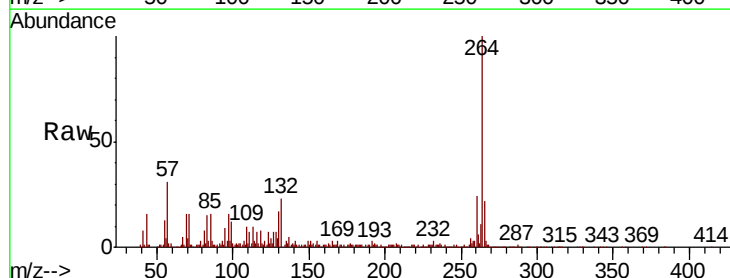
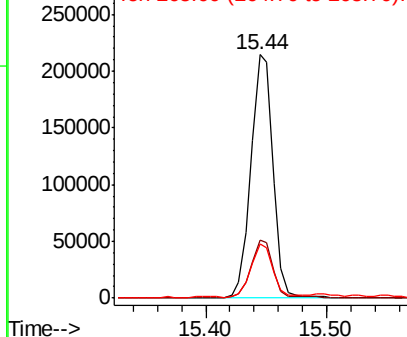
Tgt Ion:	264	Resp:	275336
Ion Ratio	Lower	Upper	
264	100		
260	23.8	18.3	27.5
265	22.2	16.5	24.7

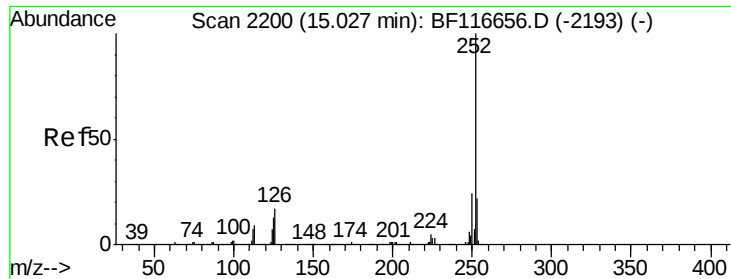
Abundance

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





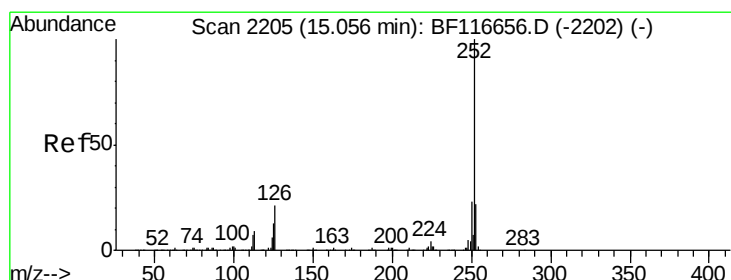
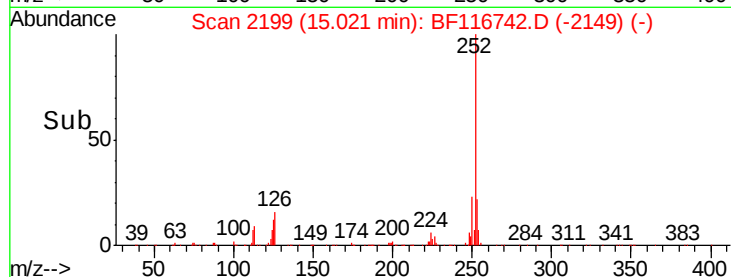
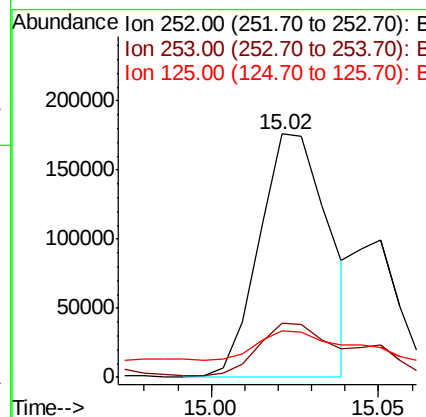
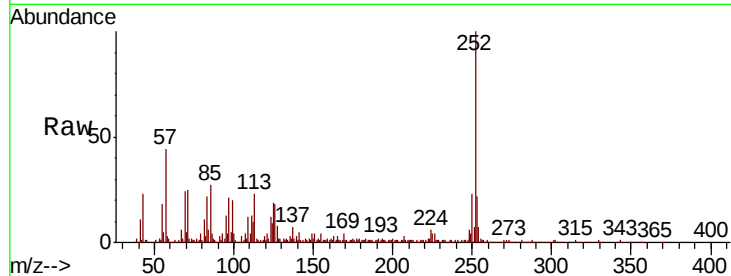
#88
Benzo(b)fluoranthene
Concen: 15.286 ng m
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF116742.D
Acq: 1 Sep 2019 15:04

Instrument :
BNA_F
ClientSampleId :
T9-12-13-N1-N4-(0-1.9)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.7	26.5
125	19.0	8.2	12.2

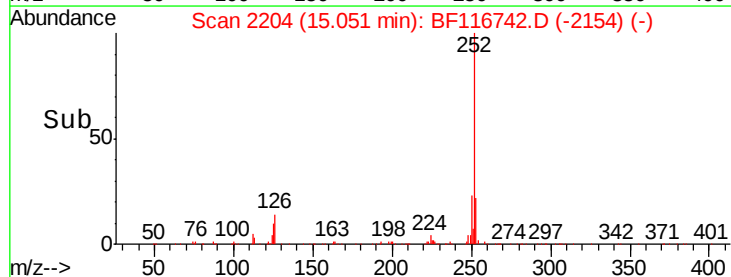
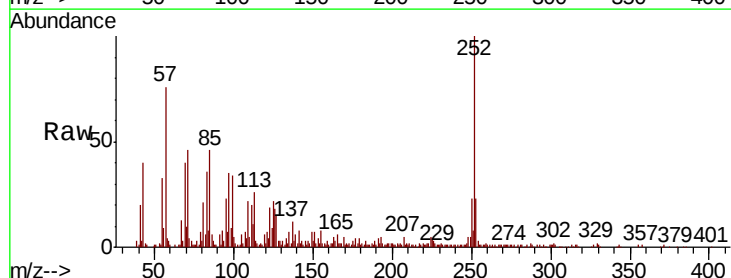
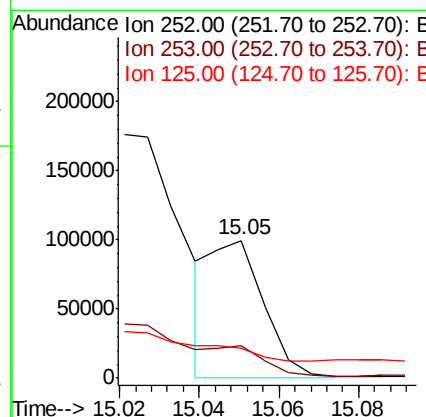
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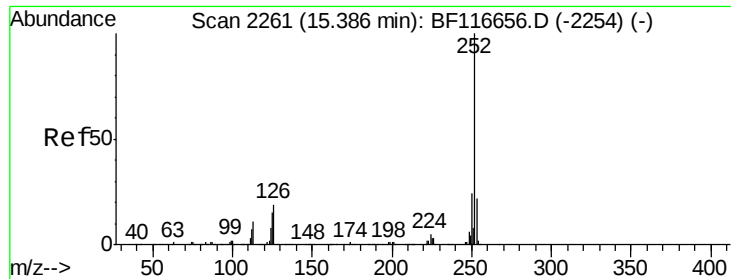
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#89
Benzo(k)fluoranthene
Concen: 6.083 ng m
RT: 15.05 min Scan# 2204
Delta R.T. -0.01 min
Lab File: BF116742.D
Acq: 1 Sep 2019 15:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.7	26.5
125	22.0	8.6	13.0





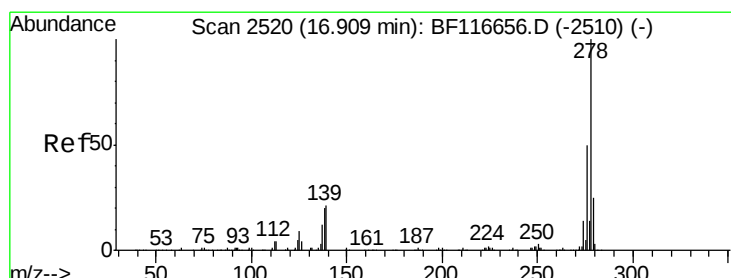
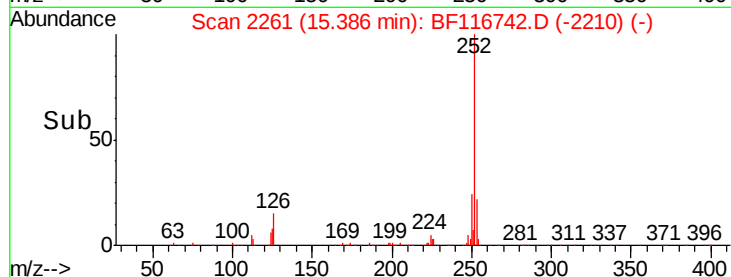
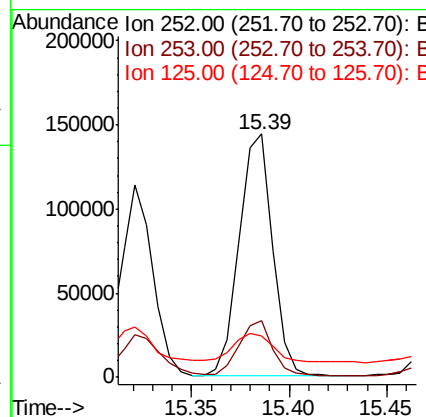
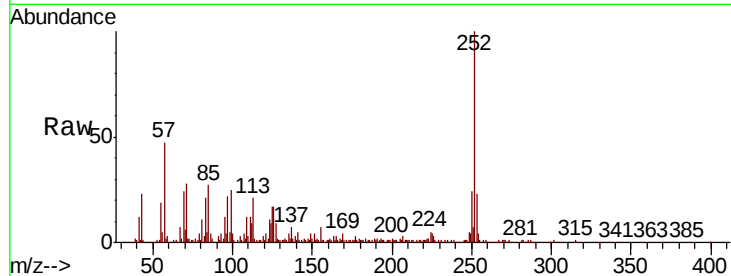
#90
Benzo(a)pyrene
Concen: 11.783 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.00 min
Lab File: BF116742.D
Acq: 1 Sep 2019 15:04

Instrument :
BNA_F
ClientSampleId :
T9-12-13-N1-N4-(0-1.9)

Tot Ion	Ratio	Resp	Lower	Upper
252	100	170653		
253	23.3		18.1	27.1
125	17.1		9.8	14.8#

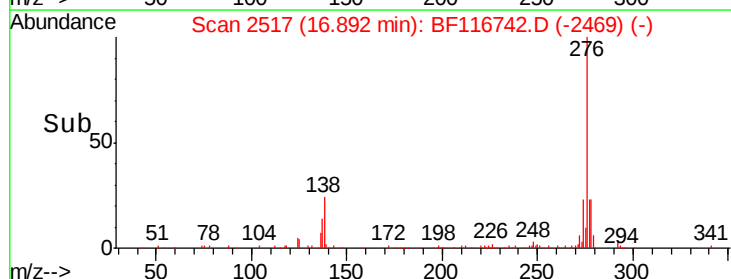
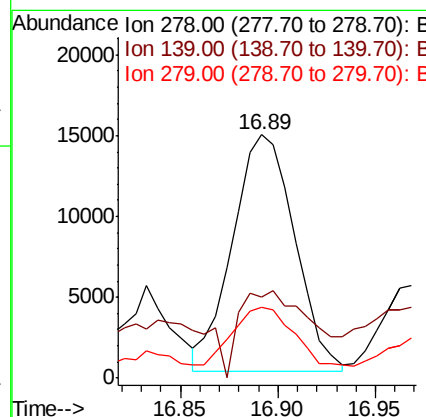
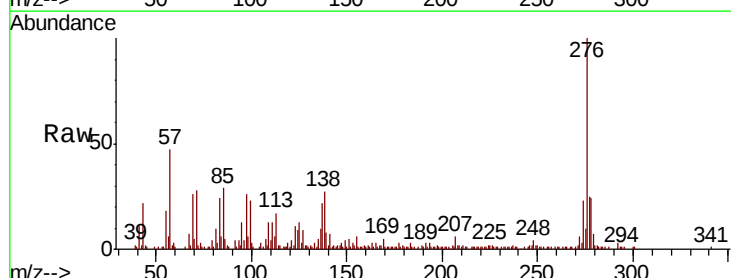
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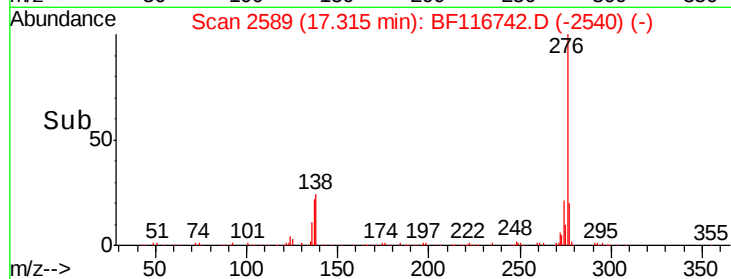
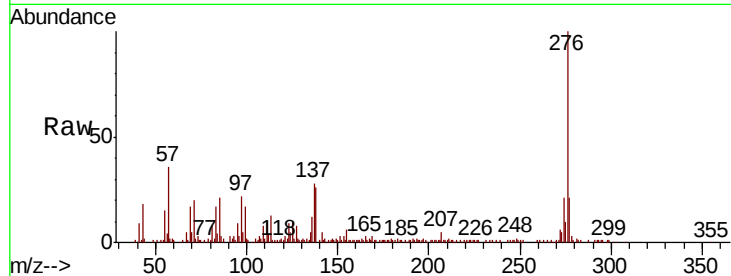
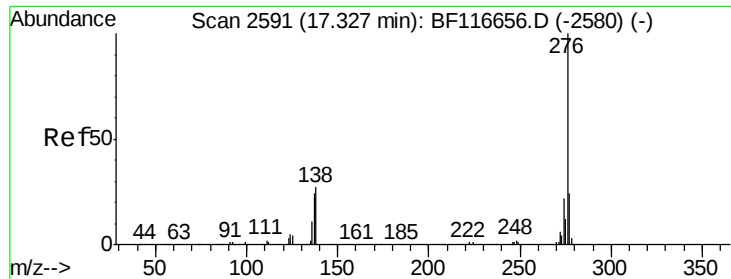
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#91
Dibenzo(a,h)anthracene
Concen: 2.540 ng
RT: 16.89 min Scan# 2517
Delta R.T. -0.02 min
Lab File: BF116742.D
Acq: 1 Sep 2019 15:04

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	32205		
139	33.4		12.4	18.6#
279	29.3		18.2	27.4#





#92
 Benzo(a,h,i)perylene
 Concen: 10.872 ng
 RT: 17.32 min Scan# 2589
 Delta R.T. -0.01 min
 Lab File: BF116742.D
 Acq: 1 Sep 2019 15:04

Instrument :
 BNA_F
 ClientSampleId :
 T9-12-13-N1-N4-(0-1.9)

Tot Ion	Ratio	Lower	Upper
276	100		
277	20.6	18.5	27.7
138	26.4	16.2	24.2

Manual Integrations
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