

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080119\
 Data File : BF115927.D
 Acq On : 2 Aug 2019 00:35
 Operator : HP/JU
 Sample : K4024-09
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-8

Manual Integrations
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mohammad
 8/5/2019 1:48:20 PM

Quant Time: Aug 02 11:29:02 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 15:31:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	59021	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	193225m	20.00	ng	0.02
39) Acenaphthene-d10	10.07	164	85784m	20.00	ng	0.17
64) Phenanthrene-d10	11.53	188	110351m	20.00	ng	0.15
76) Chrysene-d12	14.04	240	277771	20.00	ng	0.02
87) Perylene-d12	15.50	264	332840	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	171293	48.59	ng	0.00
7) Phenol-d6	6.48	99	156575	35.20	ng	0.00
23) Nitrobenzene-d5	7.42	82	184952	55.25	ng	0.00
42) 2,4,6-Tribromophenol	10.86	330	39048	46.95	ng	0.17
45) 2-Fluorobiphenyl	9.35	172	331032	72.28	ng	0.14
79) Terphenyl-d14	13.03	244	799946	60.68	ng	0.06
Target Compounds						
38) 1-Methylnaphthalene	9.10	142	4710509	831.477	ng	Qvalue # 99
52) Acenaphthene	10.10	154	527586m	116.943	ng	
58) Fluorene	10.62	166	938406m	185.906	ng	
71) Phenanthrene	11.52	178	399803m	70.870	ng	
72) Anthracene	11.57	178	2255075m	394.981	ng	
78) Pyrene	12.92	202	666377m	31.825	ng	
81) Benzo(a)anthracene	14.03	228	50524	2.846	ng	# 18
83) Chrysene	14.07	228	98371	5.707	ng	# 52

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

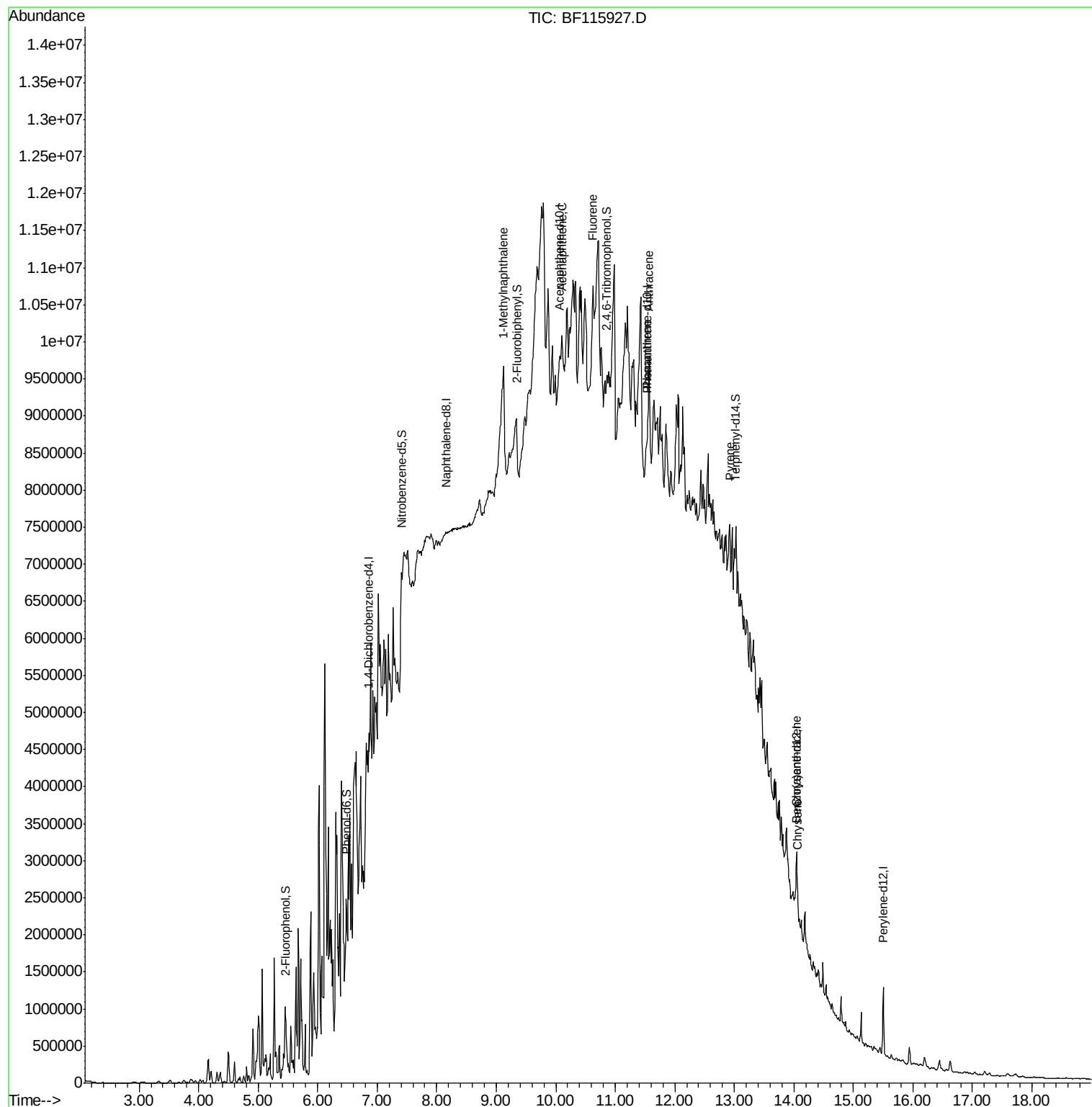
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080119\
Data File : BF115927.D
Acq On : 2 Aug 2019 00:35
Operator : HP/JU
Sample : K4024-09
Misc :
ALS Vial : 20 Sample Multiplier: 1

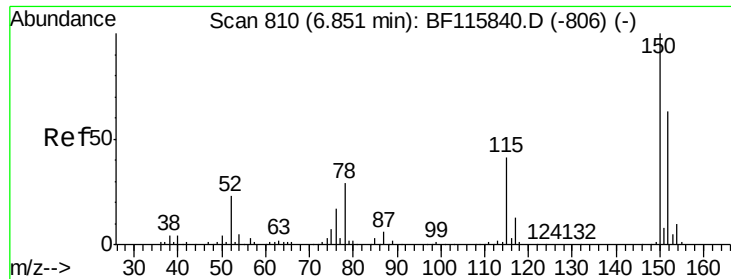
Instrument :
BNA_F
ClientSampleId :
TP-8

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Quant Time: Aug 02 11:29:02 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

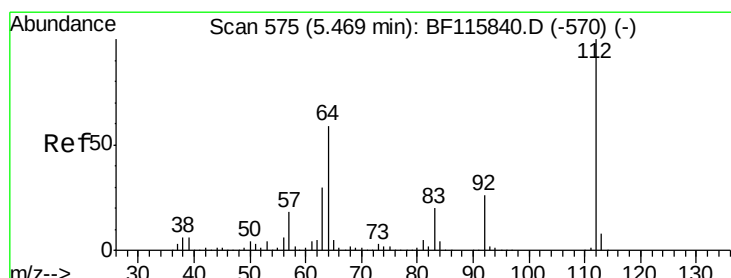
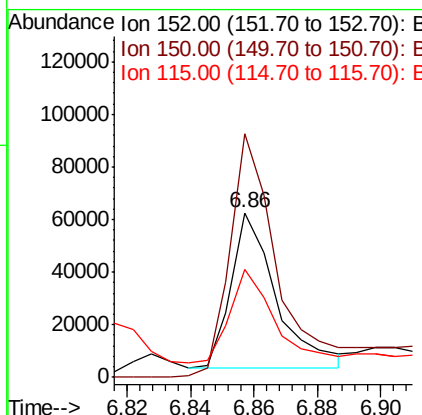
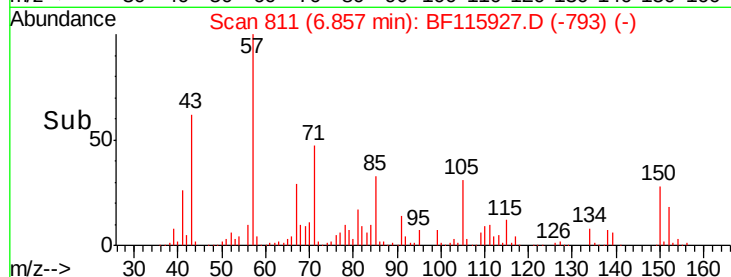
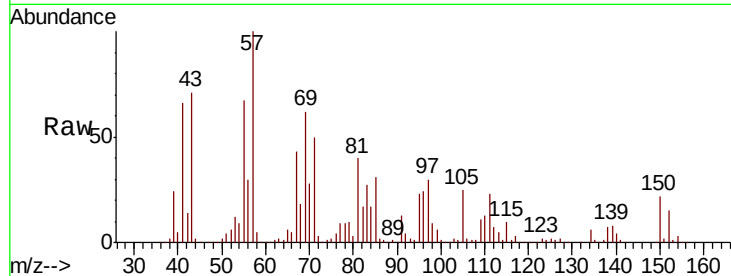
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. 0.01 min
Lab File: BF115927.D
Acq: 2 Aug 2019 00:35

Instrument :
BNA_F
ClientSampleId :
TP-8

Tot Ion	Ratio	Lower	Upper
152	100		
150	148.1	127.4	191.0
115	65.9	51.8	77.8

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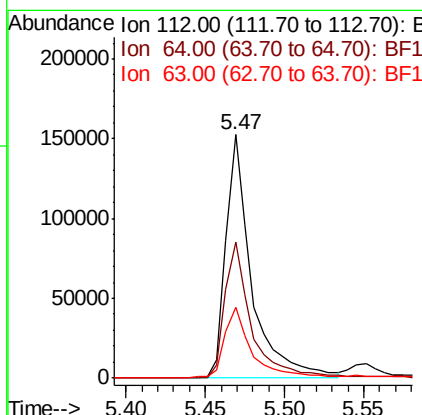
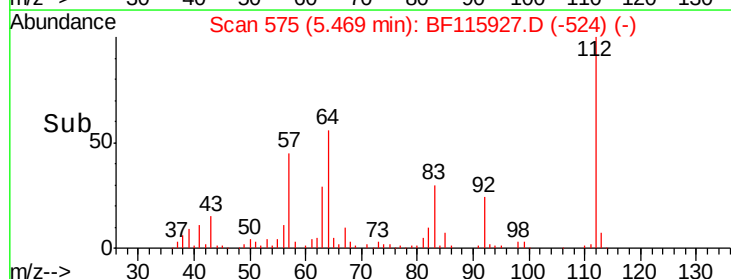
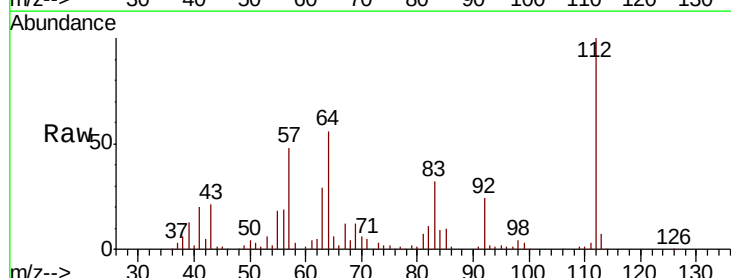
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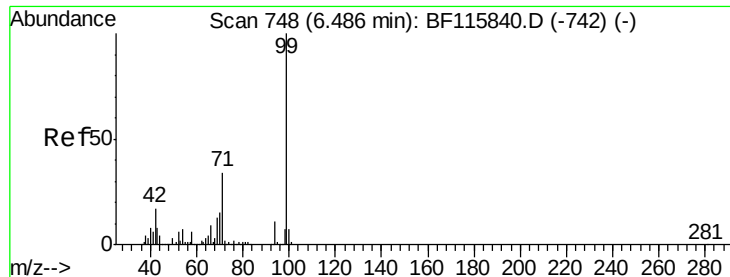


#5

2-Fluorophenol
Concen: 48.585 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.00 min
Lab File: BF115927.D
Acq: 2 Aug 2019 00:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.9	46.8	70.2
63	29.2	24.2	36.2





#7

Phenol-d6

Concen: 35.200 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF115927.D

Acq: 2 Aug 2019 00:35

Instrument :

BNA_F

ClientSampled :

TP-8

Tot Ion: 99 Resp: 156575

Ion Ratio Lower Upper

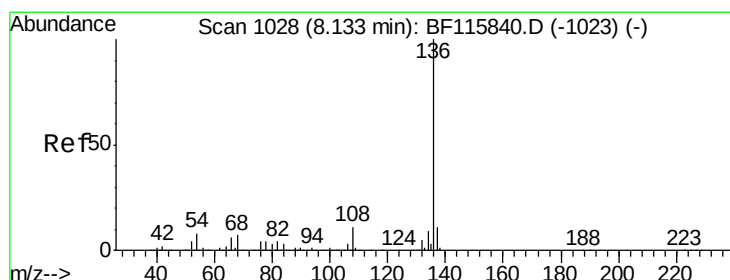
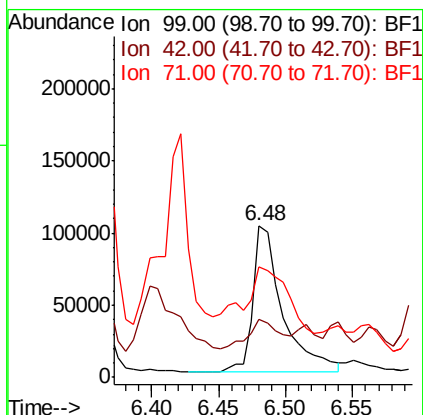
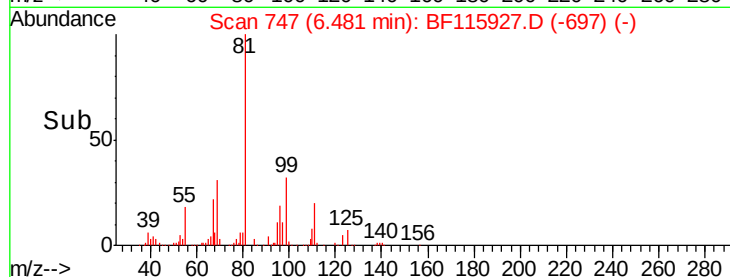
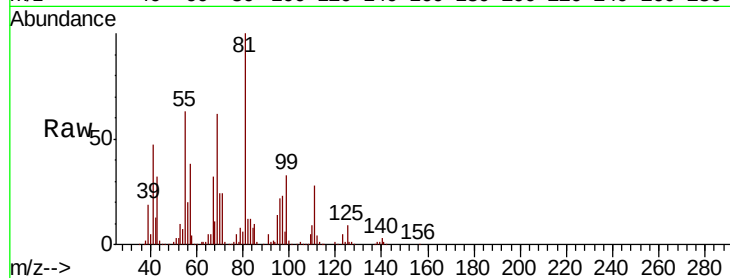
99 100

42 37.9 13.8 20.6#

71 73.3 27.1 40.7#

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#21

Naphthalene-d8

Concen: 20.000 ng m

RT: 8.16 min Scan# 1032

Delta R.T. 0.02 min

Lab File: BF115927.D

Acq: 2 Aug 2019 00:35

Tgt Ion: 136 Resp: 193225

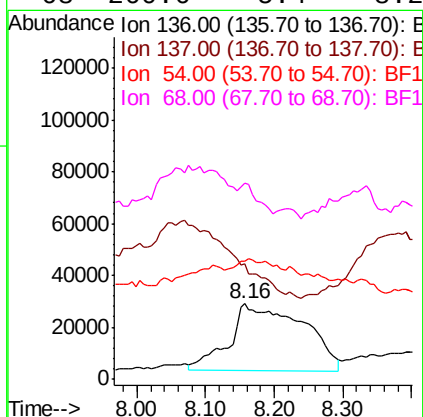
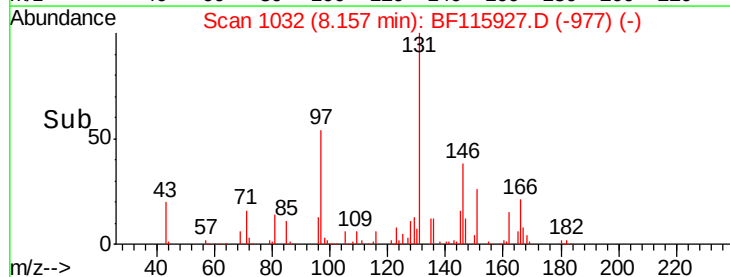
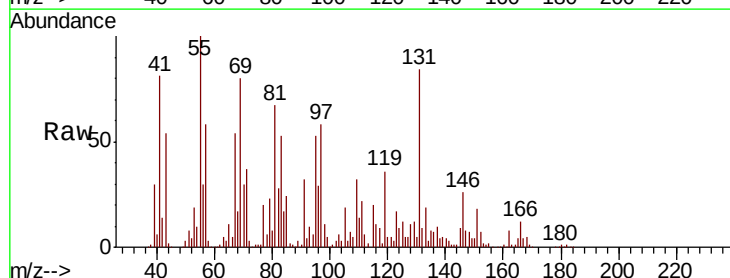
Ion Ratio Lower Upper

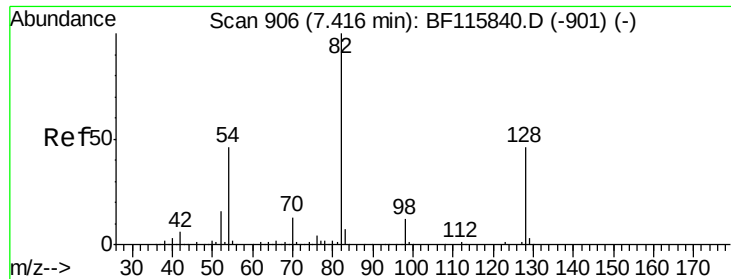
136 100

137 153.4 9.1 13.7#

54 156.4 6.1 9.1#

68 260.6 5.4 8.2#





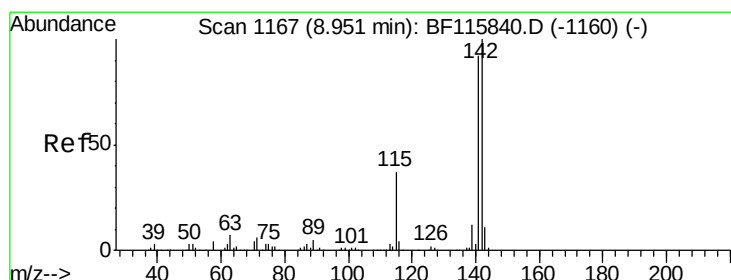
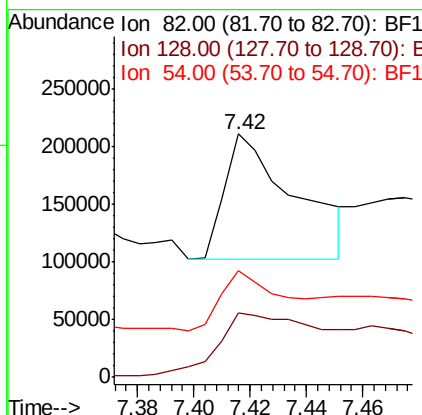
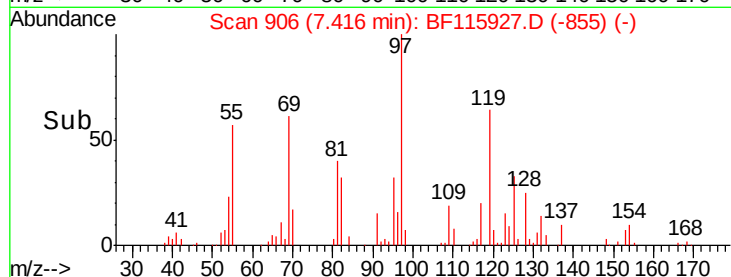
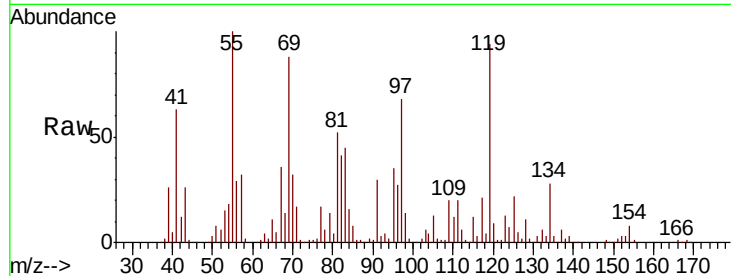
#23
Nitrobenzene-d5
Concen: 55.252 ng
RT: 7.42 min Scan# 906
Delta R.T. 0.00 min
Lab File: BF115927.D
Acq: 2 Aug 2019 00:35

Instrument :
BNA_F
ClientSampled :
TP-8

Tot Ion	Ratio	Lower	Upper
82	100		
128	26.6	36.6	55.0#
54	43.8	36.6	55.0

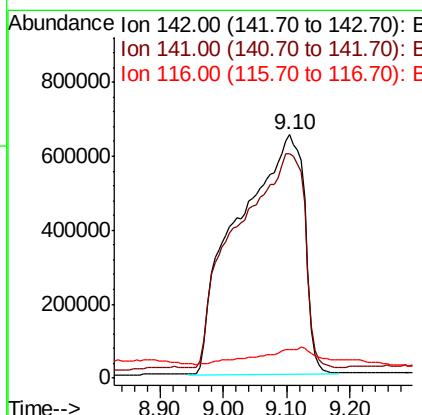
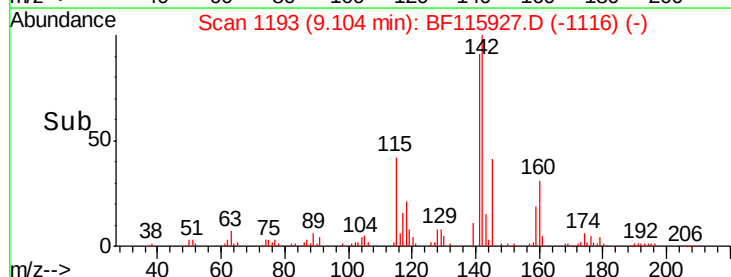
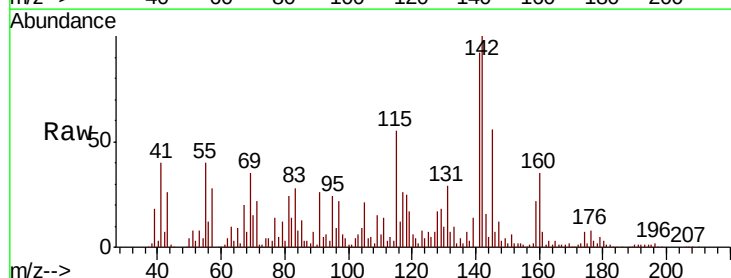
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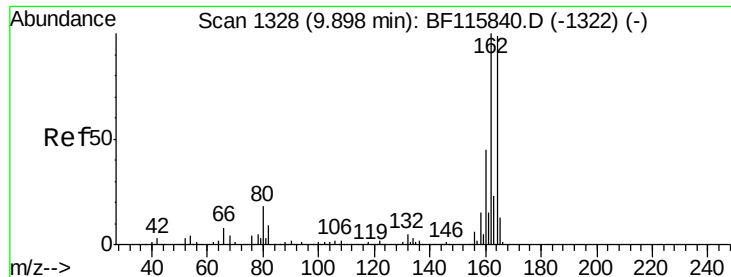
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#38
1-Methylnaphthalene
Concen: 831.477 ng
RT: 9.10 min Scan# 1193
Delta R.T. 0.15 min
Lab File: BF115927.D
Acq: 2 Aug 2019 00:35

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.4	73.8	110.6
116	11.7	3.1	4.7#





#39

Acenaphthene-d10

Concen: 20.000 ng/ml

RT: 10.07 min Scan# 1357

Delta R.T. 0.17 min

Lab File: BF115927.D

Acq: 2 Aug 2019 00:35

Instrument :

BNA_F

ClientSampled :

TP-8

Tot Ion:164 Resp: 85784

Ion Ratio Lower Upper

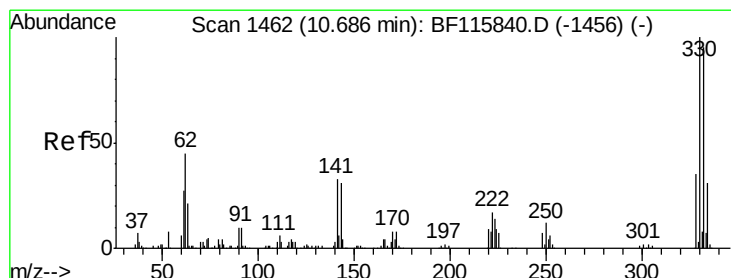
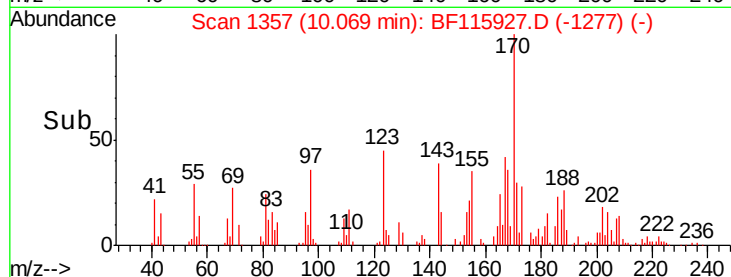
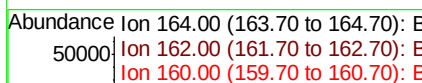
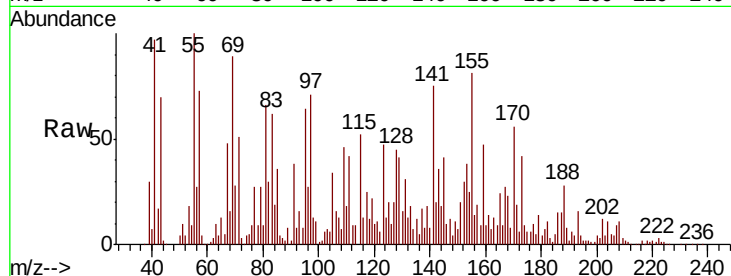
164 100

162 75.2 80.8 121.2#

160 99.6 36.2 54.4#

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#42

2,4,6-Tribromophenol

Concen: 46.950 ng/ml

RT: 10.86 min Scan# 1491

Delta R.T. 0.17 min

Lab File: BF115927.D

Acq: 2 Aug 2019 00:35

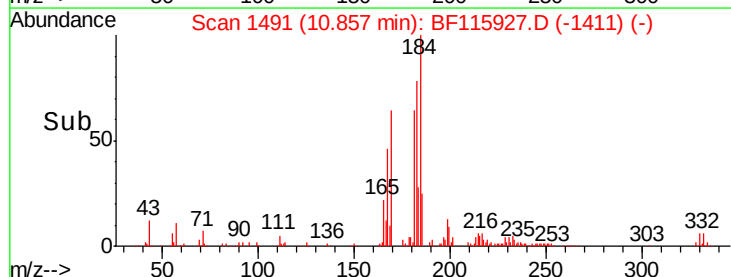
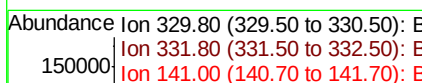
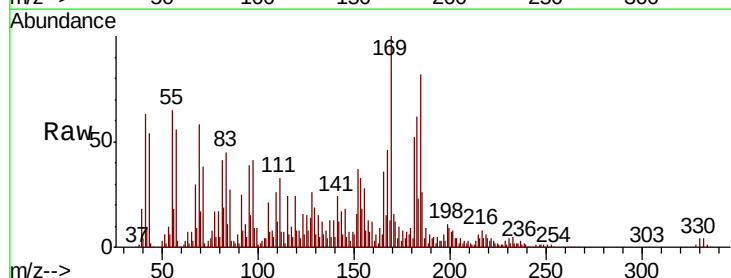
Tgt Ion:330 Resp: 39048

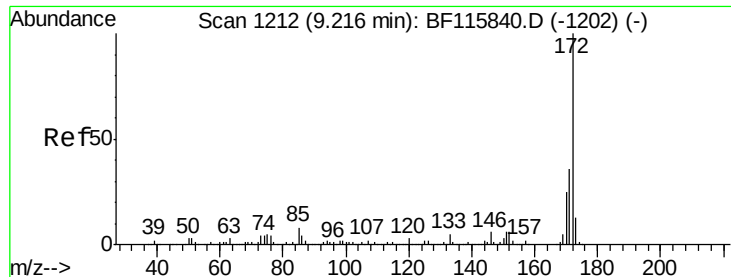
Ion Ratio Lower Upper

330 100

332 98.4 77.7 116.5

141 0.0 28.1 42.1#





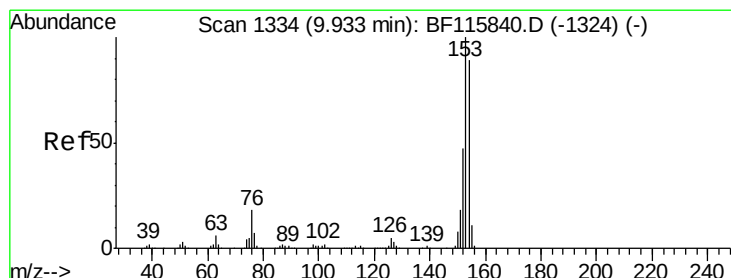
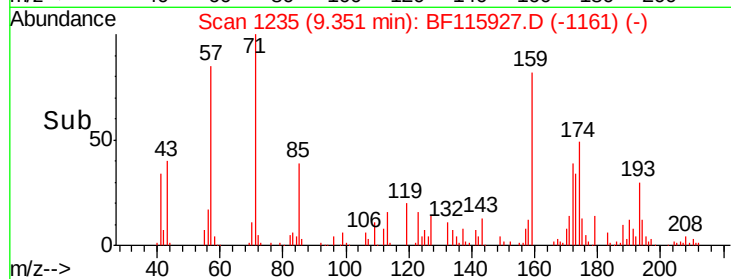
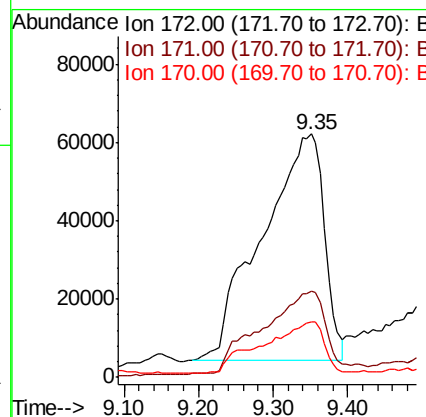
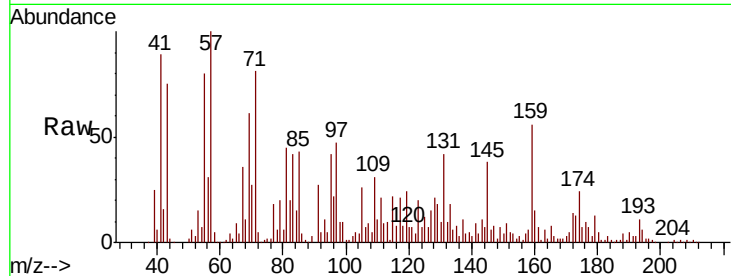
#45
2-Fluorobiphenyl
Concen: 72.280 ng
RT: 9.35 min Scan# 1235
Delta R.T. 0.14 min
Lab File: BF115927.D
Acq: 2 Aug 2019 00:35

Instrument :
BNA_F
ClientSampled :
TP-8

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.1	43.7
170	22.5	20.1	30.1

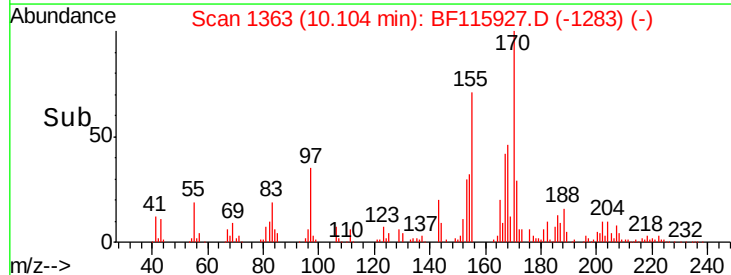
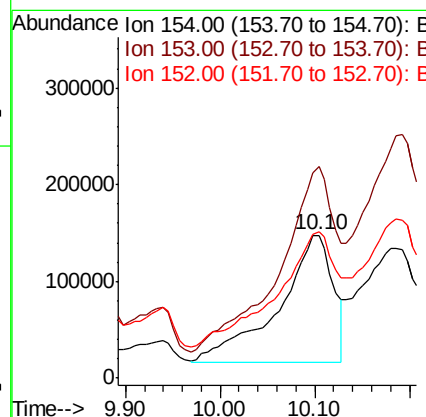
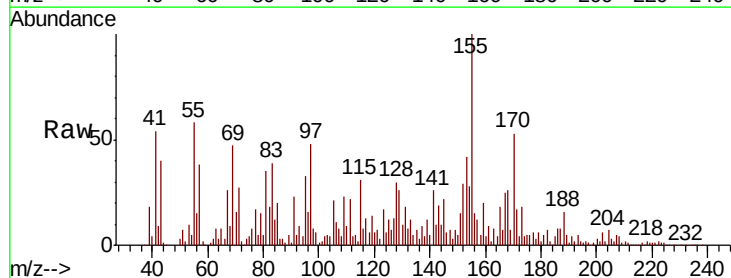
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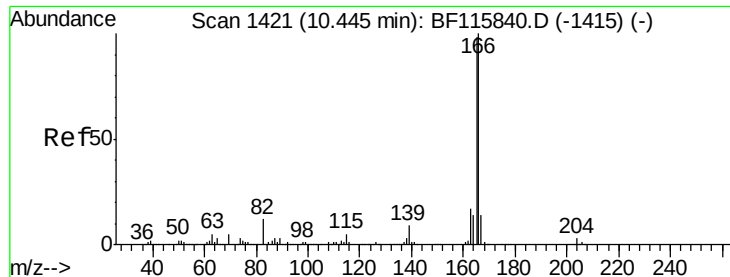
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#52
Acenaphthene
Concen: 116.943 ng m
RT: 10.10 min Scan# 1363
Delta R.T. 0.17 min
Lab File: BF115927.D
Acq: 2 Aug 2019 00:35

Tgt Ion	Ratio	Lower	Upper
154	100		
153	148.4	90.1	135.1#
152	102.9	42.6	63.8#





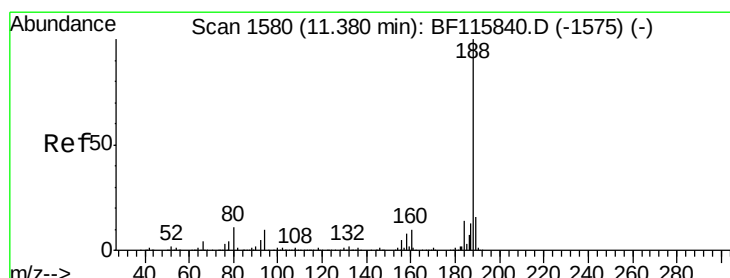
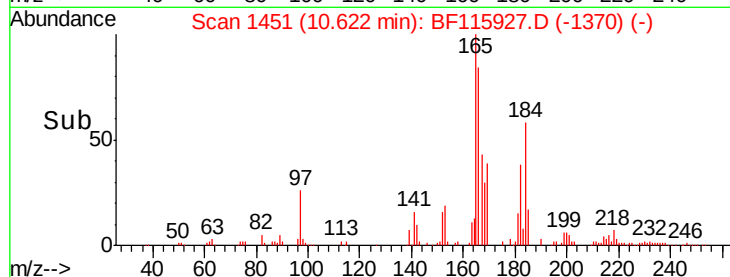
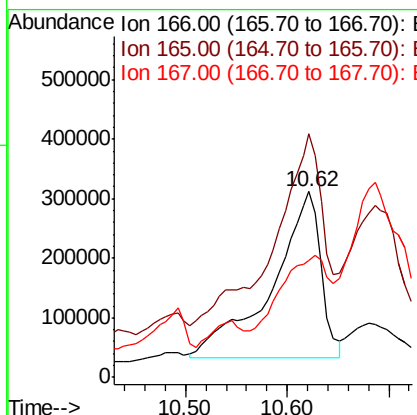
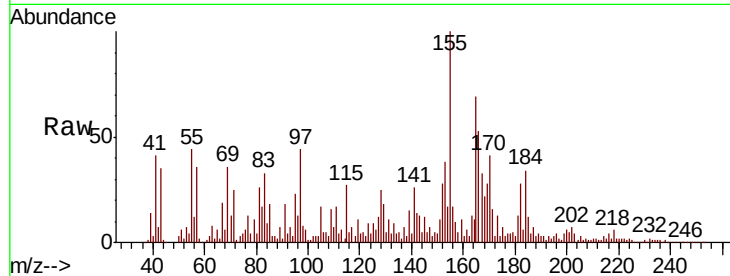
#58
 Fluorene
 Concen: 185.906 ng m
 RT: 10.62 min Scan# 1451
 Delta R.T. 0.18 min
 Lab File: BF115927.D
 Acq: 2 Aug 2019 00:35

Instrument :
 BNA_F
 ClientSampled :
 TP-8

Tot Ion	Ion	Ratio	Lower	Upper
166	100			
165	131.0	78.6	118.0#	
167	62.8	10.9	16.3#	

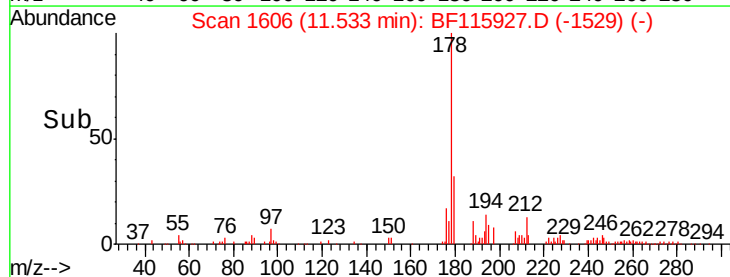
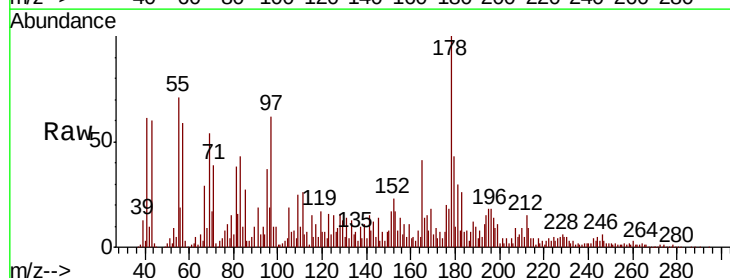
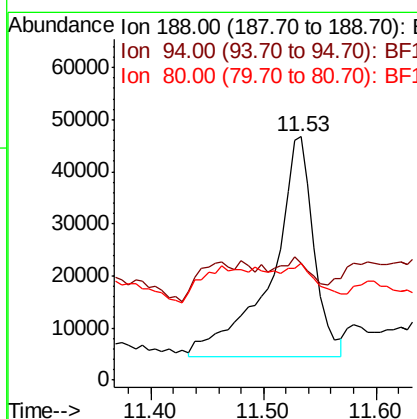
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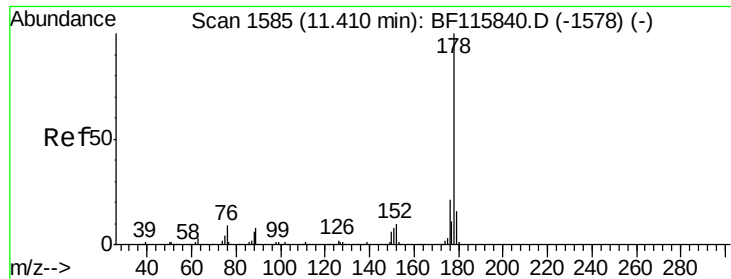
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#64
 Phenanthrene-d10
 Concen: 20.000 ng m
 RT: 11.53 min Scan# 1606
 Delta R.T. 0.15 min
 Lab File: BF115927.D
 Acq: 2 Aug 2019 00:35

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	47.9	8.0	12.0#	
80	48.0	8.6	12.8#	





#71

Phenanthrene

Concen: 70.870 ng m

RT: 11.52 min Scan# 1604

Delta R.T. 0.11 min

Lab File: BF115927.D

Acq: 2 Aug 2019 00:35

Instrument :

BNA_F

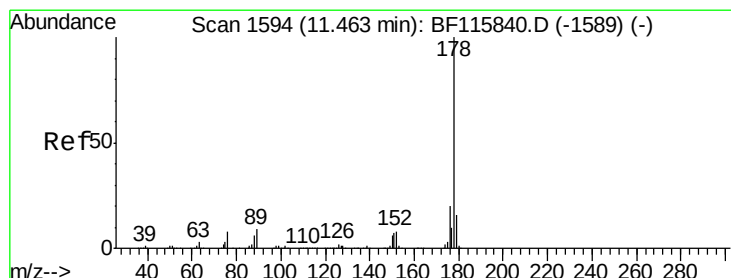
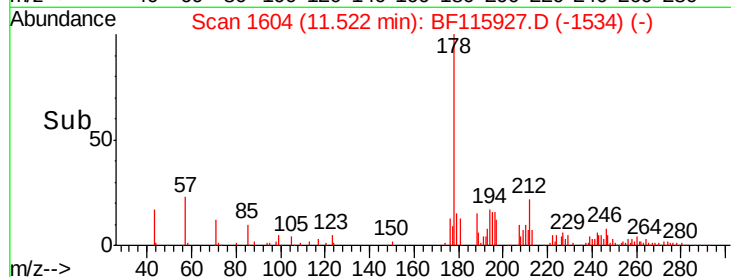
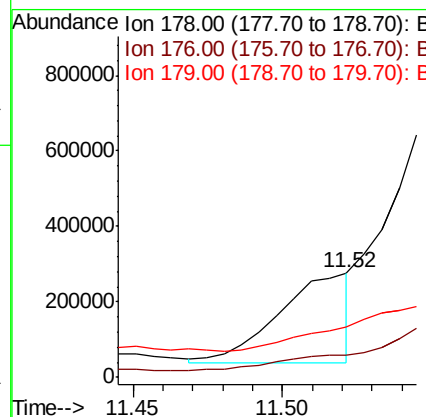
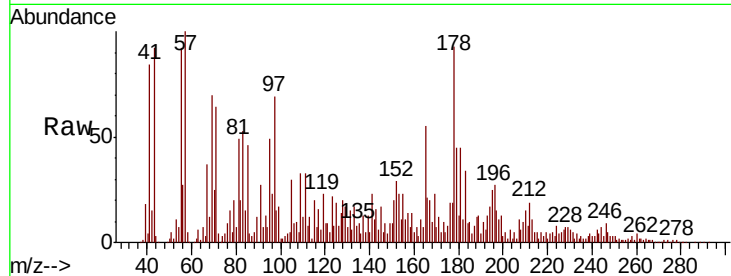
ClientSampled :

TP-8

Tot Ion:178	Resp:	399803
Ion Ratio	Lower	Upper
178	100	
176	20.8	16.5 24.7
179	48.0	12.6 18.8#

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#72

Anthracene

Concen: 394.981 ng m

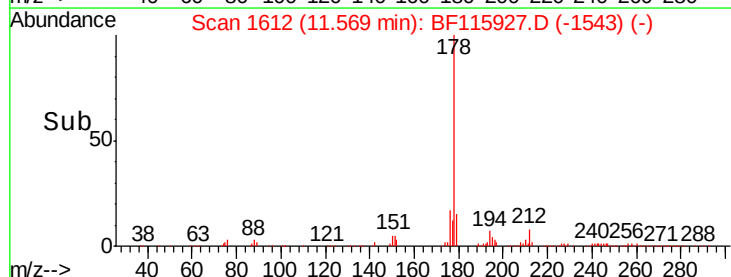
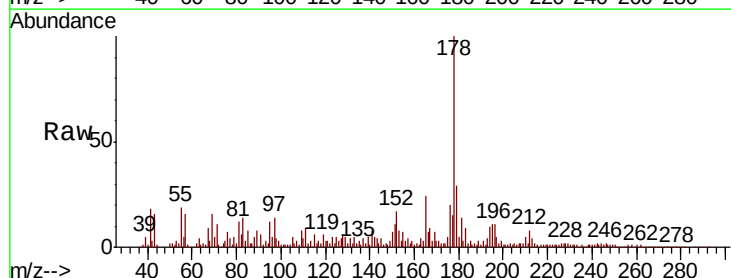
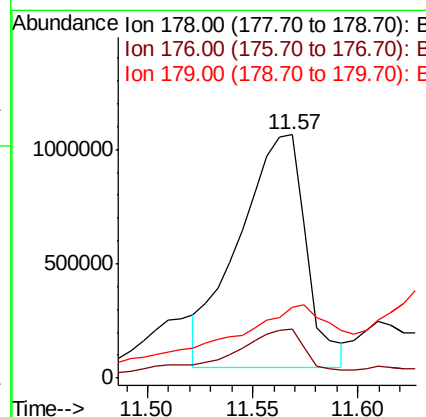
RT: 11.57 min Scan# 1612

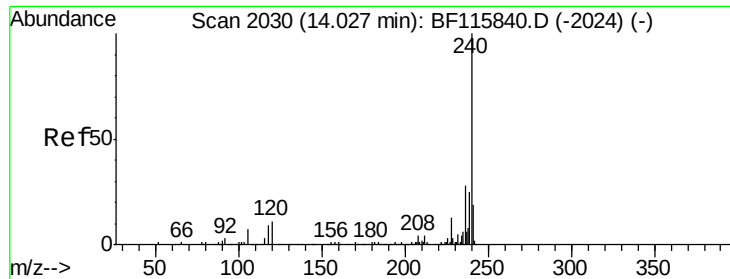
Delta R.T. 0.11 min

Lab File: BF115927.D

Acq: 2 Aug 2019 00:35

Tgt Ion:178	Resp:	2255075
Ion Ratio	Lower	Upper
178	100	
176	20.1	15.7 23.5
179	29.1	12.4 18.6#





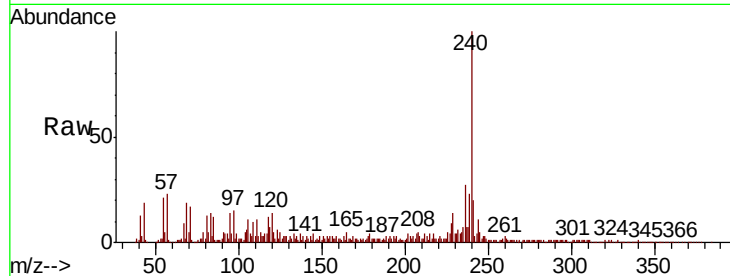
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2033
Delta R.T. 0.02 min
Lab File: BF115927.D
Acq: 2 Aug 2019 00:35

Instrument :
BNA_F
ClientSampleId :
TP-8

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.3	8.5	12.7#
236	27.3	22.2	33.2

Manual Integrations
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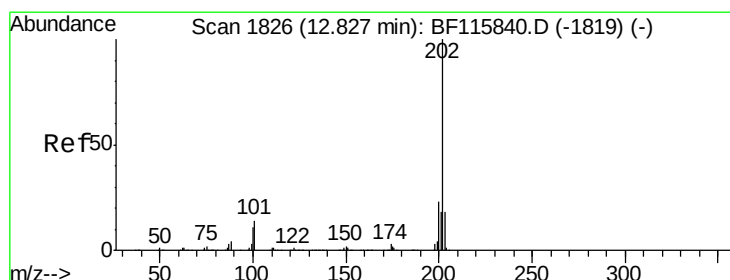
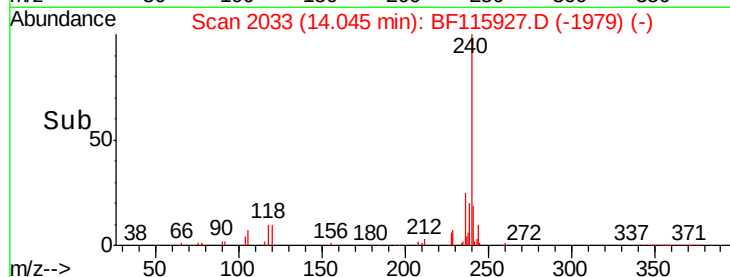
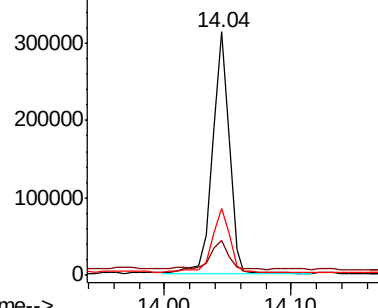


Abundance

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: 31.825 ng m
RT: 12.92 min Scan# 1841
Delta R.T. 0.09 min
Lab File: BF115927.D
Acq: 2 Aug 2019 00:35

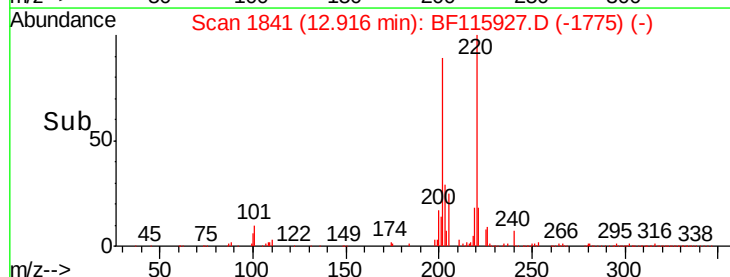
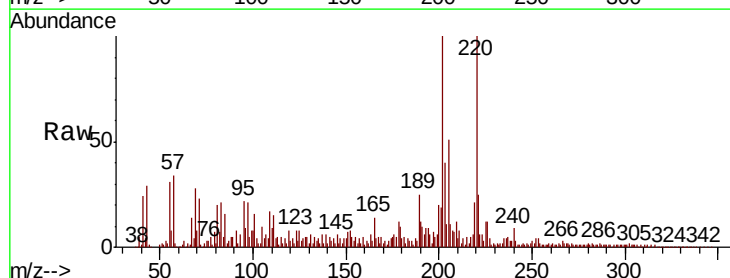
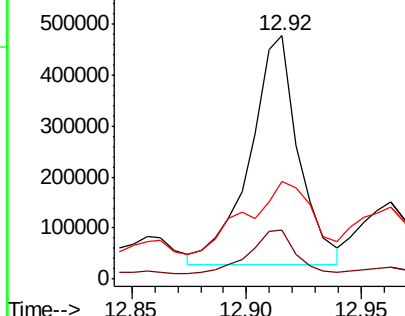
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.2	18.2	27.2
203	40.1	14.3	21.5#

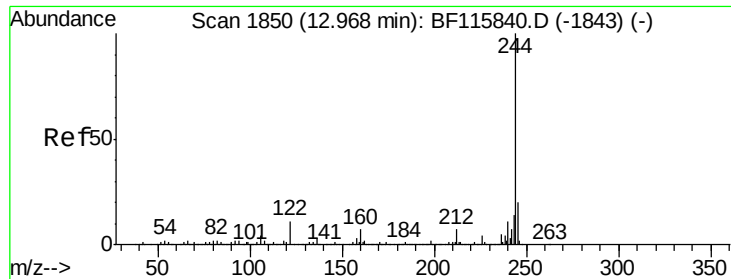
Abundance

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





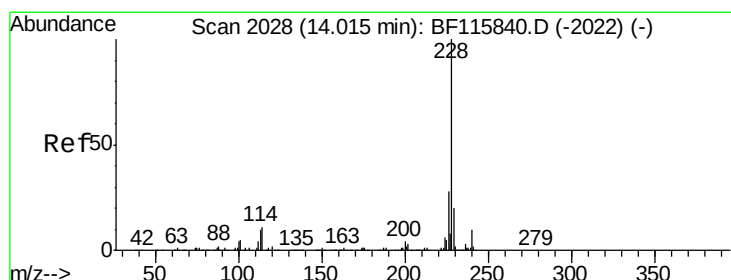
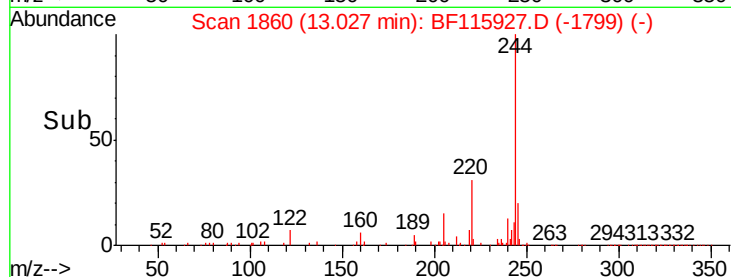
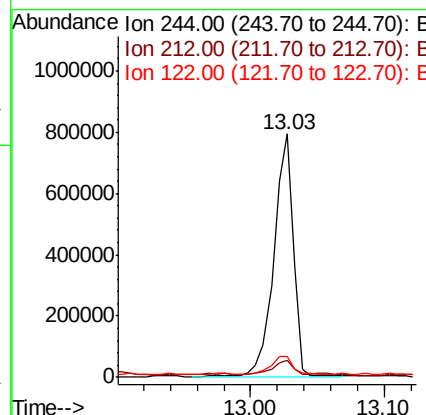
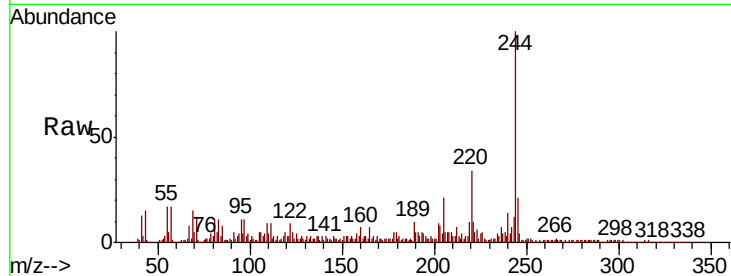
#79
 Terphenyl-d14
 Concen: 60.684 ng
 RT: 13.03 min Scan# 1860
 Delta R.T. 0.06 min
 Lab File: BF115927.D
 Acq: 2 Aug 2019 00:35

Instrument :
 BNA_F
 ClientSampled :
 TP-8

Tot Ion	Ratio	Resp	Lower	Upper
244	100			
212	6.8	5.6	8.4	
122	8.6	8.6	13.0#	

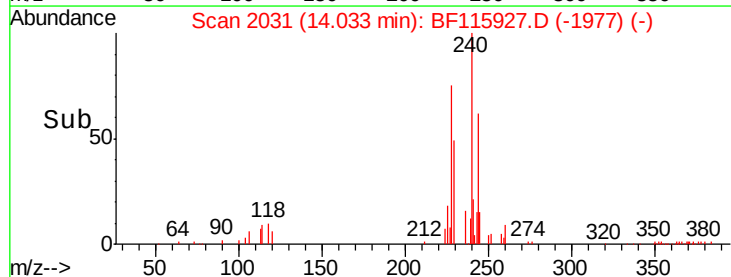
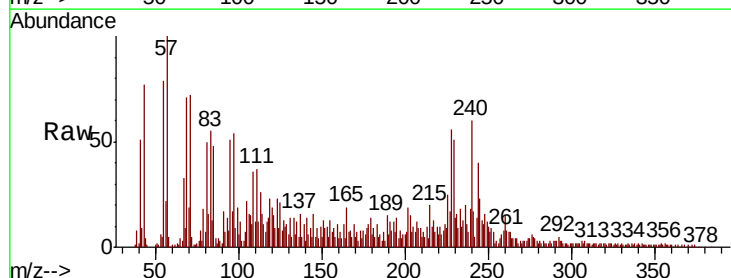
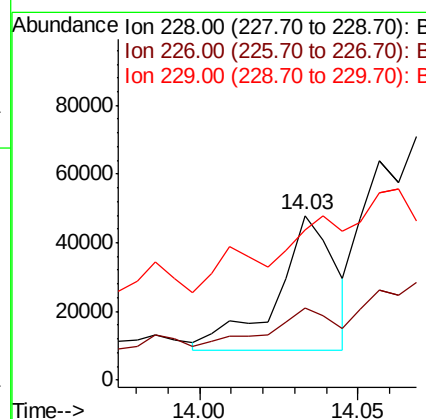
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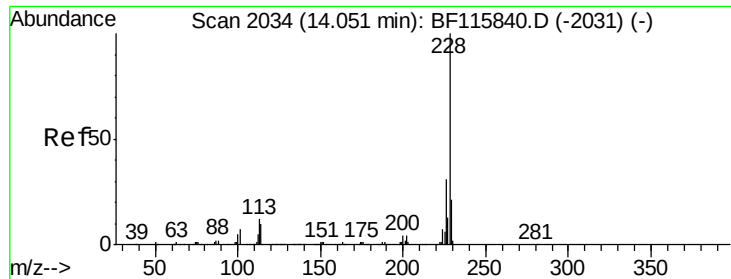
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#81
 Benzo(a)anthracene
 Concen: 2.846 ng
 RT: 14.03 min Scan# 2031
 Delta R.T. 0.02 min
 Lab File: BF115927.D
 Acq: 2 Aug 2019 00:35

Tgt Ion	Ratio	Resp	Lower	Upper
228	100			
226	44.0	22.5	33.7#	
229	91.5	16.1	24.1#	





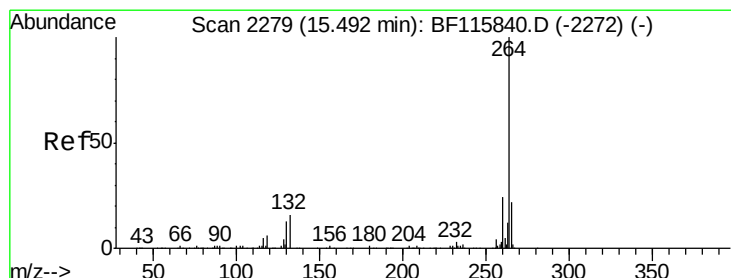
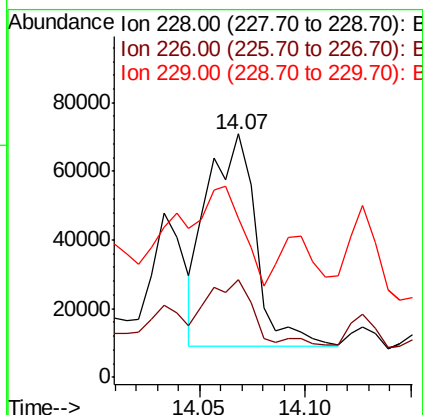
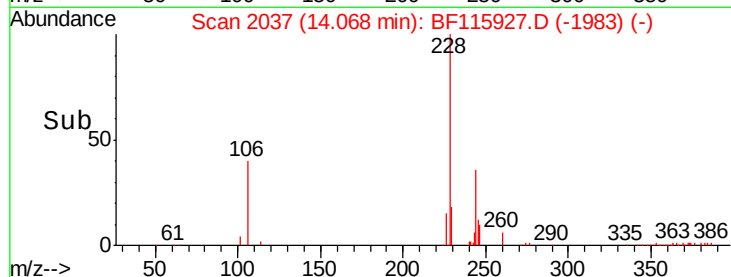
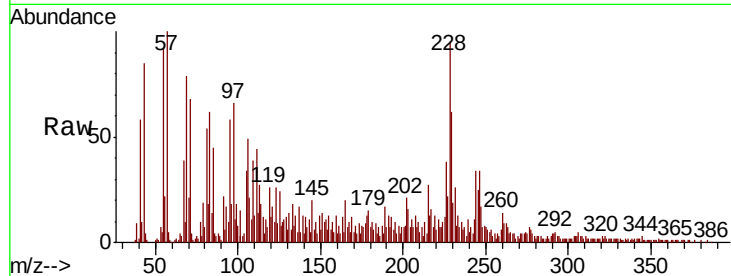
#83
 Chrysene
 Concen: 5.707 ng
 RT: 14.07 min Scan# 2037
 Delta R.T. 0.02 min
 Lab File: BF115927.D
 Acq: 2 Aug 2019 00:35

Instrument :
 BNA_F
 ClientSampled :
 TP-8

Tot Ion	Ratio	Lower	Upper
228	100		
226	40.2	24.8	37.2#
229	65.3	16.4	24.6#

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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.50 min Scan# 2280
 Delta R.T. 0.01 min
 Lab File: BF115927.D
 Acq: 2 Aug 2019 00:35

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.4	29.2
265	22.0	17.5	26.3

