

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091119\
 Data File : BF116967.D
 Acq On : 12 Sep 2019 00:41
 Operator : HP/JU
 Sample : K4787-09
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-5-D(4-10)

Manual Integrations
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mohammad
 9/16/2019 8:58:13 AM

Quant Time: Sep 12 08:05:12 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 10 17:49:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	67844	20.00	ng	-0.01
21) Naphthalene-d8	8.10	136	271345	20.00	ng	-0.02
39) Acenaphthene-d10	9.85	164	143684	20.00	ng	-0.02
64) Phenanthrene-d10	11.33	188	234912	20.00	ng	-0.02
76) Chrysene-d12	13.97	240	144629	20.00	ng	-0.01
87) Perylene-d12	15.43	264	165878	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	495116	118.23	ng	0.00
7) Phenol-d6	6.46	99	670700	121.97	ng	-0.02
23) Nitrobenzene-d5	7.38	82	415490	87.41	ng	-0.02
42) 2,4,6-Tribromophenol	10.64	330	142222	148.06	ng	-0.02
45) 2-Fluorobiphenyl	9.17	172	717052	84.18	ng	-0.02
79) Terphenyl-d14	12.92	244	613949	78.53	ng	-0.01
Target Compounds						
50) Dimethylphthalate	9.57	163	61319	6.181	ng	97
71) Phenanthrene	11.36	178	46243	3.536	ng	98
75) Fluoranthene	12.55	202	83104	6.467	ng	99
78) Pyrene	12.77	202	69458	5.403	ng	98
81) Benzo(a)anthracene	13.96	228	28774	3.143	ng	92
83) Chrysene	14.00	228	26419	2.801	ng	# 93
86) Indeno(1,2,3-cd)pyrene	16.86	276	16044m	2.118	ng	
88) Benzo(b)fluoranthene	15.01	252	35566m	3.546	ng	
90) Benzo(a)pyrene	15.36	252	22981	2.634	ng	# 33

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

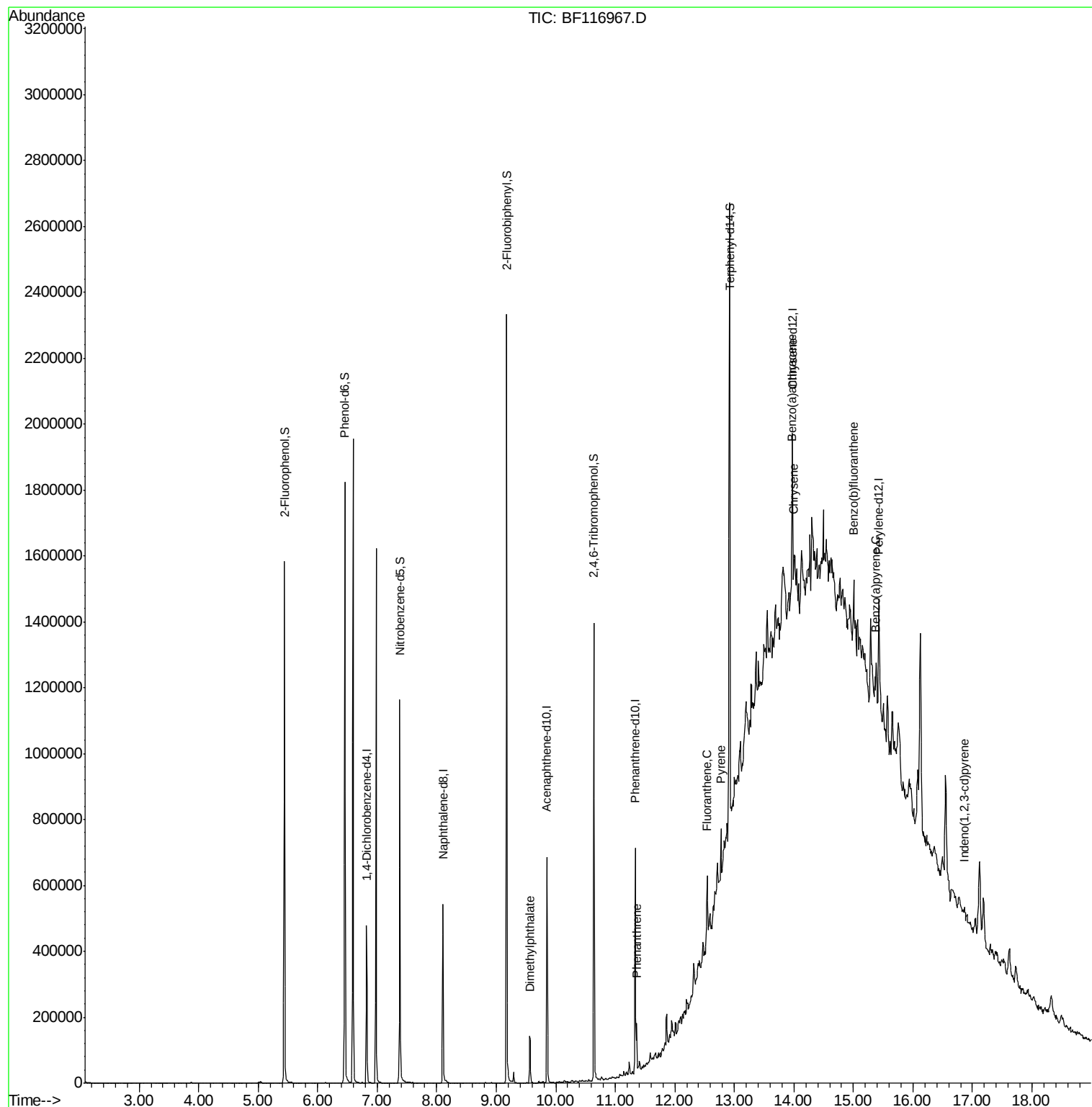
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091119\
Data File : BF116967.D
Acq On : 12 Sep 2019 00:41
Operator : HP/JU
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ALS Vial : 18 Sample Multiplier: 1

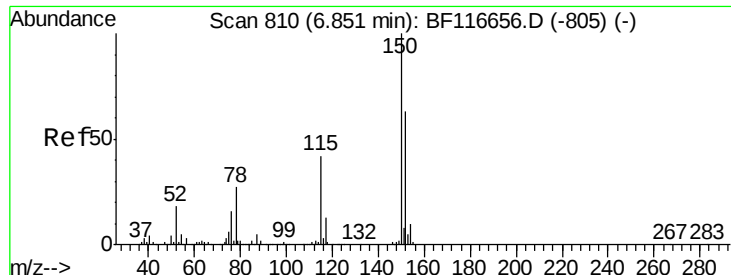
Instrument :
BNA_F
ClientSampleId :
TP-5-D(4-10)

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#1

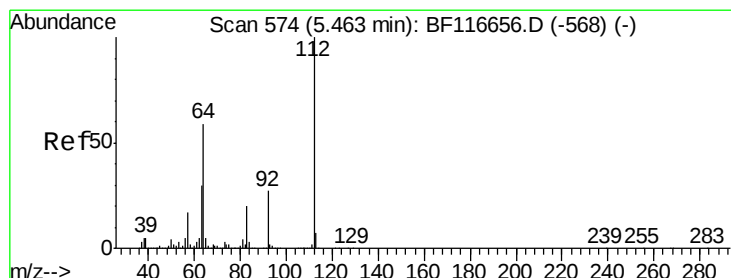
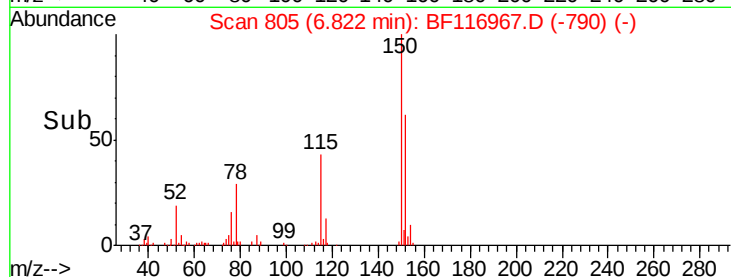
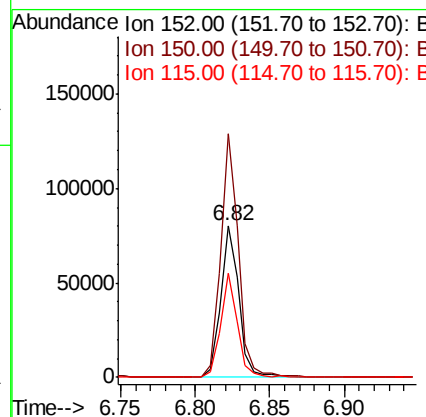
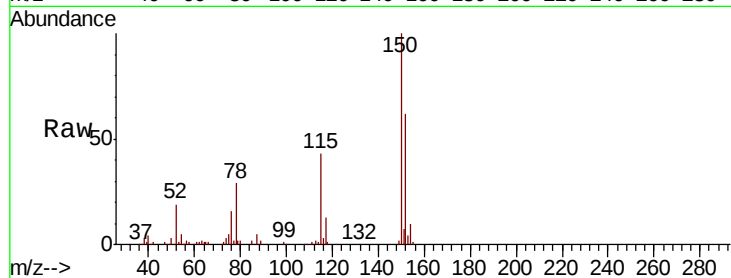
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF116967.D
Acq: 12 Sep 2019 00:41

Instrument :
BNA_F
ClientSampleId :
TP-5-D(4-10)

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.7	124.4	186.6
115	68.4	49.9	74.9

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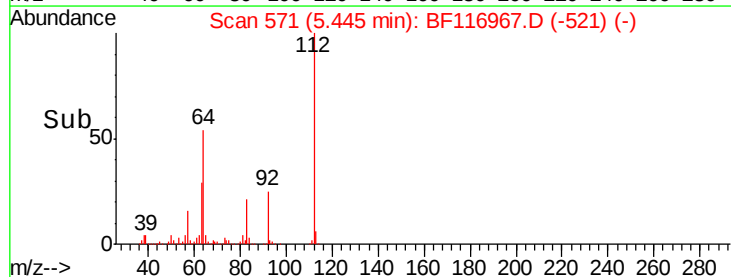
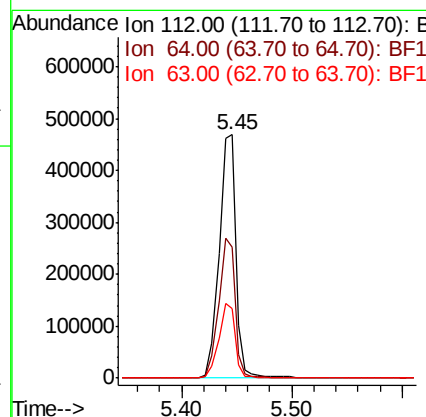
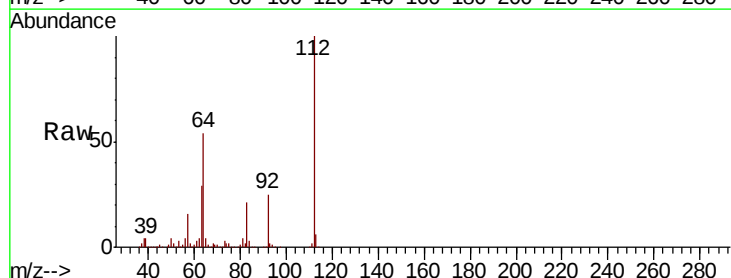
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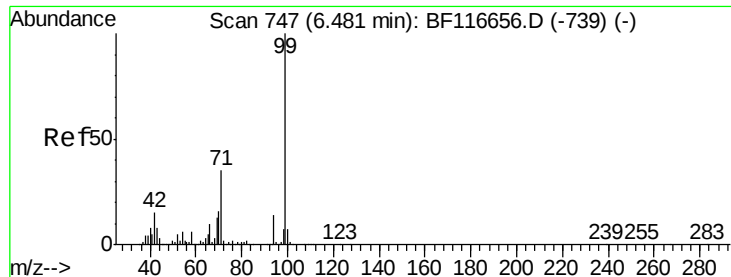


#5

2-Fluorophenol
Concen: 118.229 ng
RT: 5.45 min Scan# 571
Delta R.T. -0.01 min
Lab File: BF116967.D
Acq: 12 Sep 2019 00:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.0	47.1	70.7
63	28.7	24.9	37.3





#7

Phenol-d6

Concen: 121.968 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.02 min

Lab File: BF116967.D

Acq: 12 Sep 2019 00:41

Instrument :

BNA_F

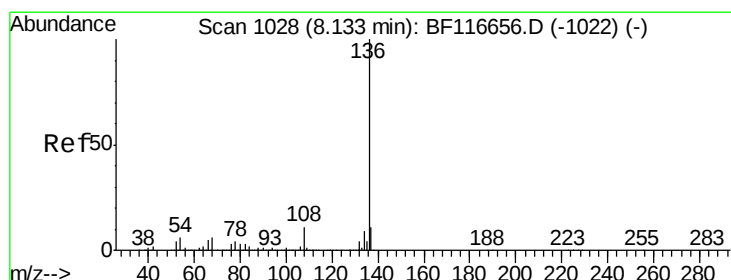
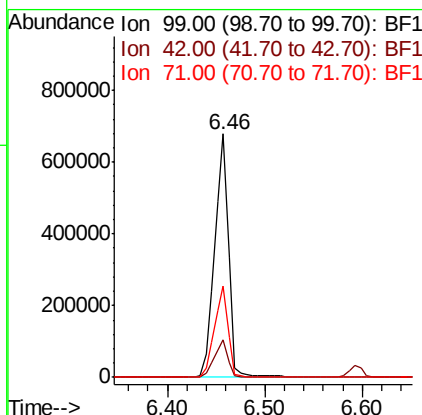
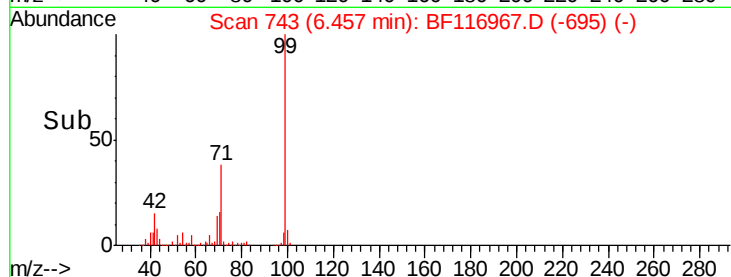
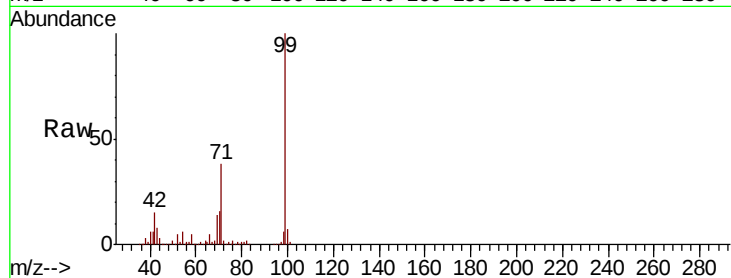
ClientSampled :

TP-5-D(4-10)

Tot Ion:	99	Resp:	670700
Ion Ratio	Lower	Upper	
99	100		
42	15.4	13.7	20.5
71	37.5	30.8	46.2

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#21

Naphthalene-d8

Concen: 20.000 ng

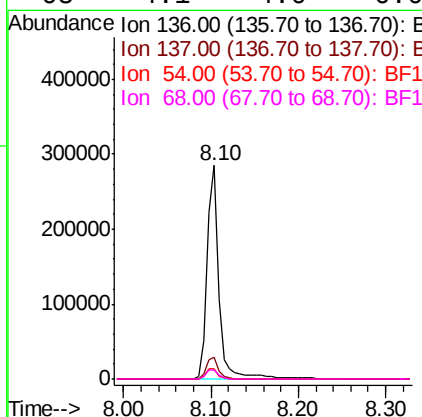
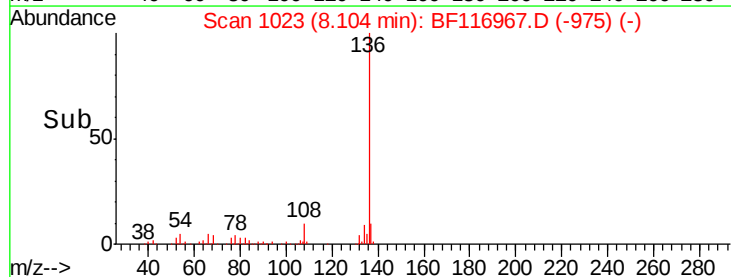
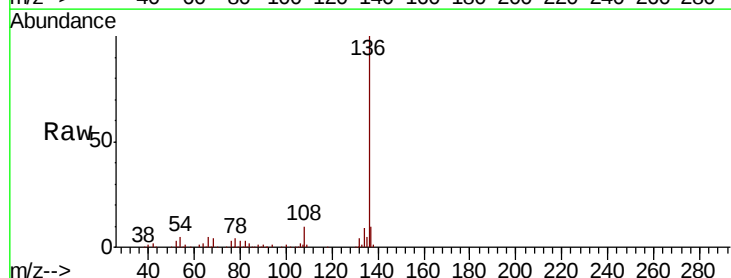
RT: 8.10 min Scan# 1023

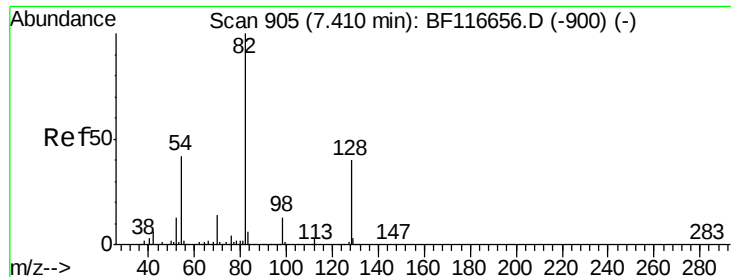
Delta R.T. -0.02 min

Lab File: BF116967.D

Acq: 12 Sep 2019 00:41

Tgt Ion:	136	Resp:	271345
Ion Ratio	Lower	Upper	
136	100		
137	10.1	8.9	13.3
54	4.8	4.8	7.2
68	4.1	4.0	6.0





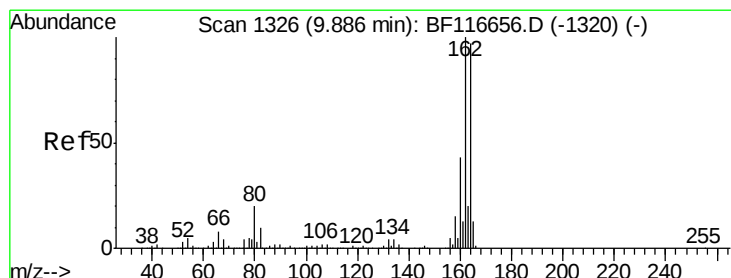
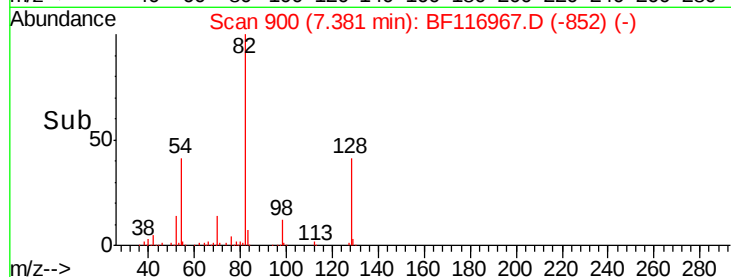
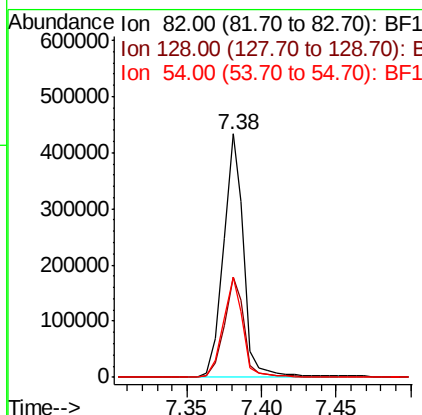
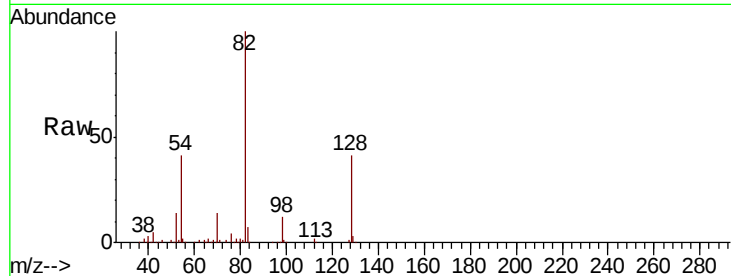
#23
 Nitrobenzene-d5
 Concen: 87.414 ng
 RT: 7.38 min Scan# 900
 Delta R.T. -0.02 min
 Lab File: BF116967.D
 Acq: 12 Sep 2019 00:41

Instrument :
 BNA_F
 ClientSampleId :
 TP-5-D(4-10)

Tot Ion:	82	Resp:	415490
Ion Ratio	Lower	Upper	
82	100		
128	41.0	32.8	49.2
54	41.4	36.9	55.3

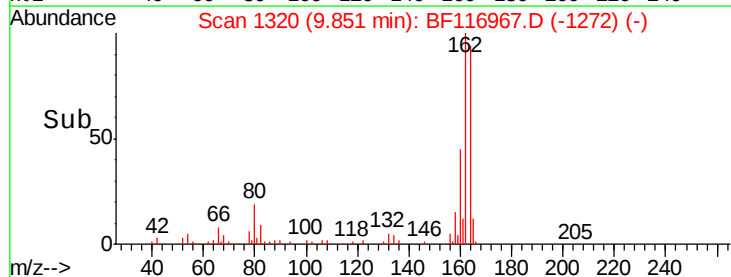
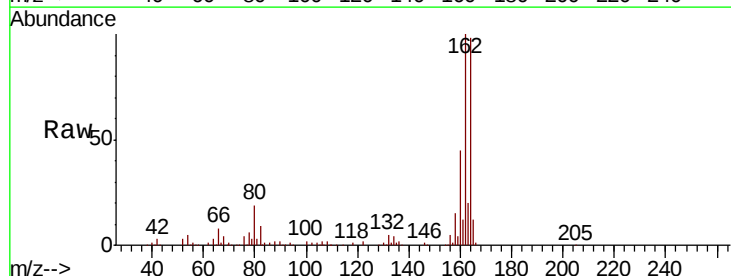
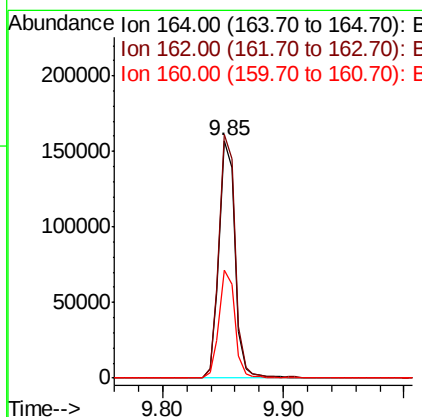
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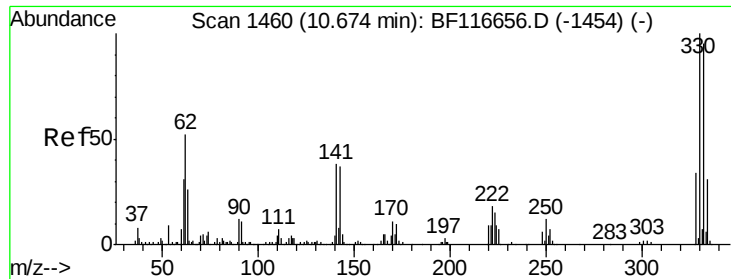
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.02 min
 Lab File: BF116967.D
 Acq: 12 Sep 2019 00:41

Tgt Ion:	164	Resp:	143684
Ion Ratio	Lower	Upper	
164	100		
162	102.5	81.4	122.0
160	45.6	35.4	53.2





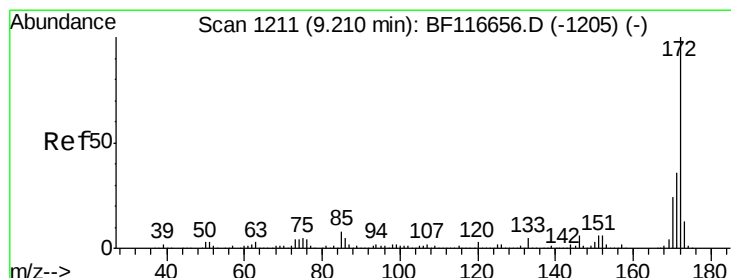
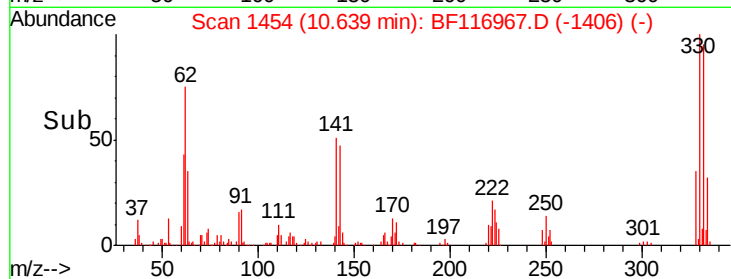
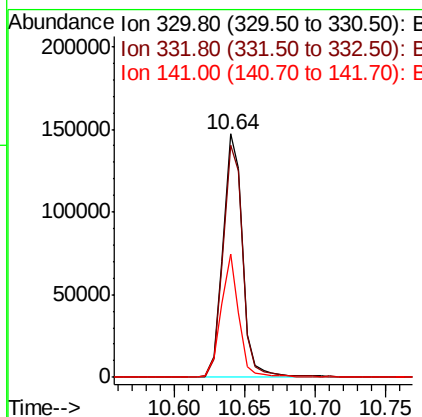
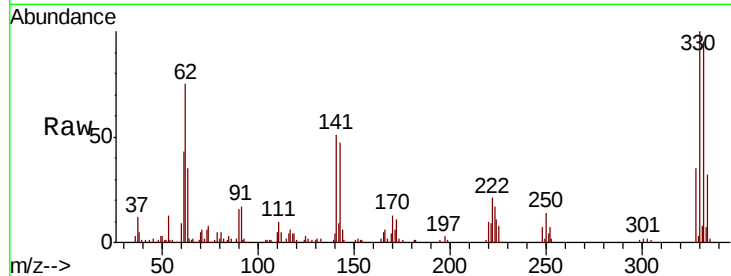
#42
 2,4,6-Tribromophenol
 Concen: 148.062 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.02 min
 Lab File: BF116967.D
 Acq: 12 Sep 2019 00:41

Instrument :
 BNA_F
 ClientSampleId :
 TP-5-D(4-10)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	142222		
332	97.0	76.9	115.3	
141	45.9	31.4	47.2	

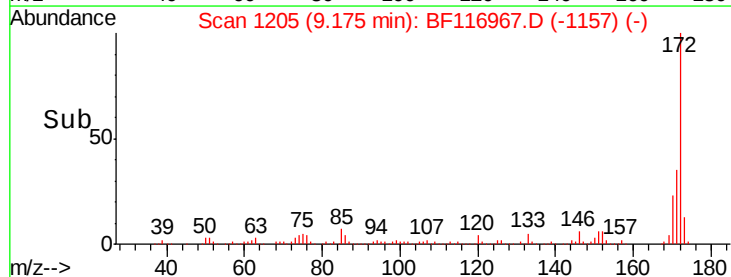
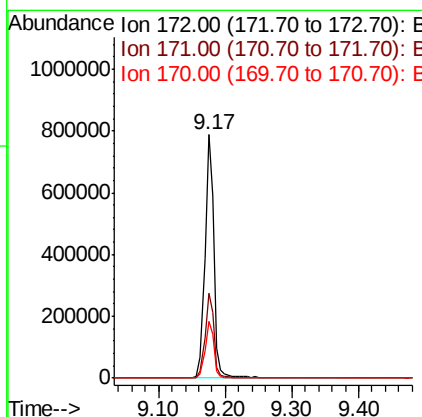
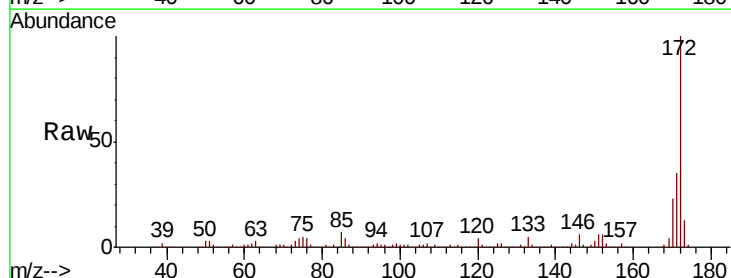
Manual Integrations
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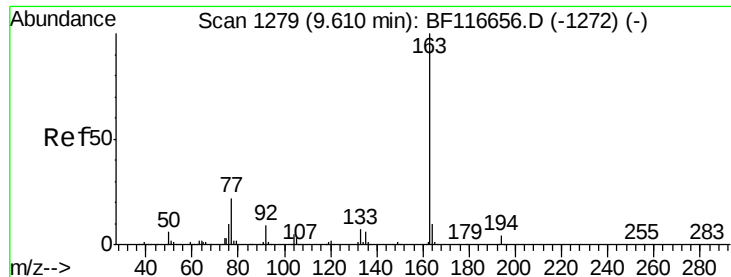
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#45
 2-Fluorobiphenyl
 Concen: 84.184 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.02 min
 Lab File: BF116967.D
 Acq: 12 Sep 2019 00:41

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	717052		
171	34.9	27.8	41.6	
170	23.3	18.9	28.3	





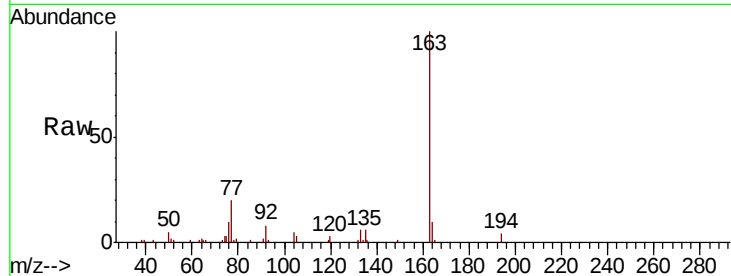
#50
Dimethylphthalate
Concen: 6.181 ng
RT: 9.57 min Scan# 1272
Delta R.T. -0.02 min
Lab File: BF116967.D
Acq: 12 Sep 2019 00:41

Instrument :
BNA_F
ClientSampleId :
TP-5-D(4-10)

Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	3.8	2.8	4.2
164	9.5	8.6	12.8

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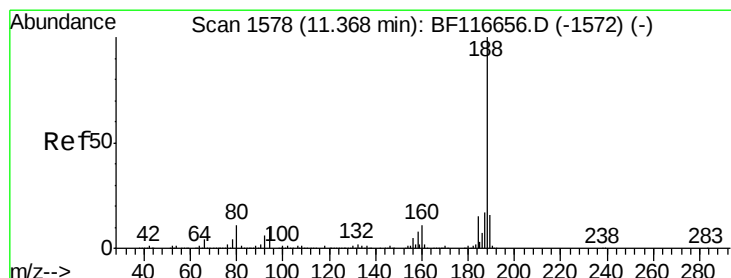
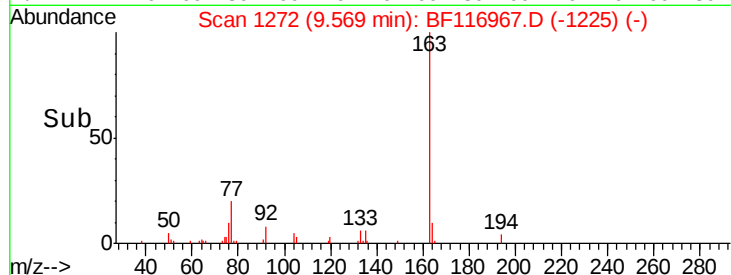
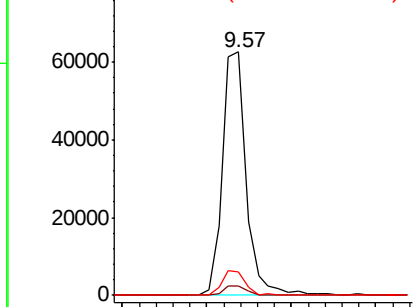


Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.02 min
Lab File: BF116967.D
Acq: 12 Sep 2019 00:41

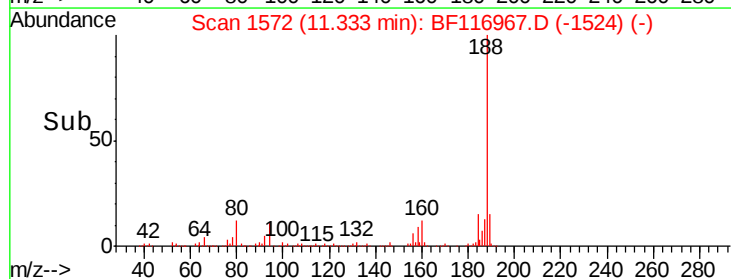
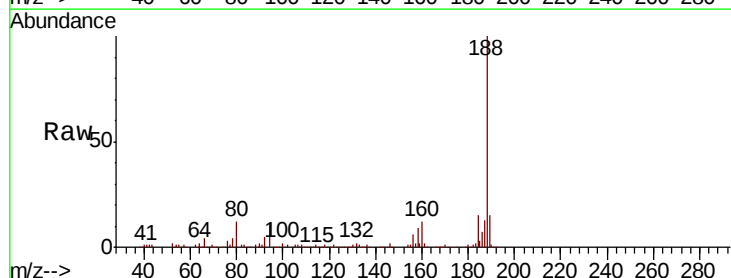
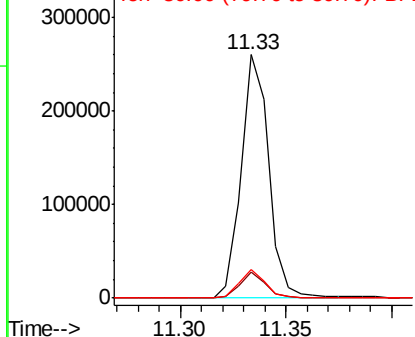
Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	10.6	7.3	10.9
80	12.0	8.4	12.6

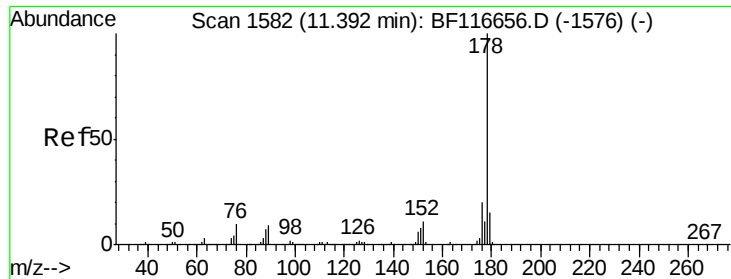
Abundance

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





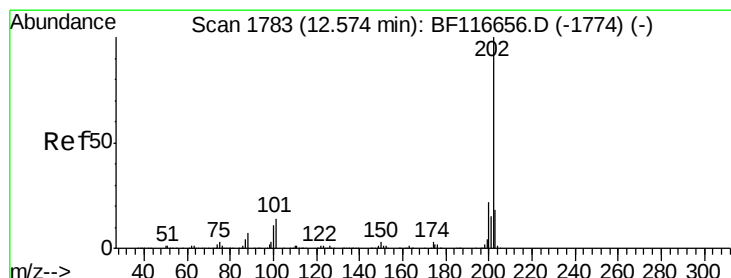
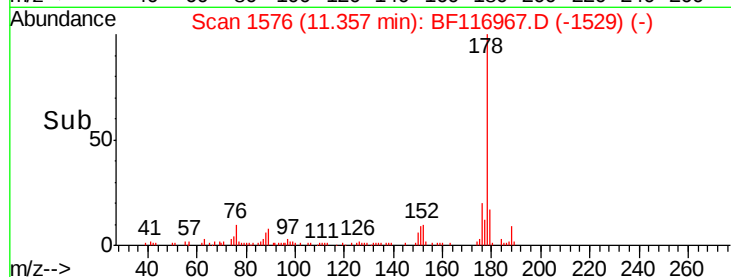
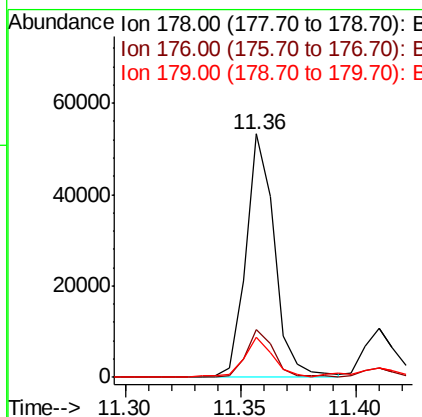
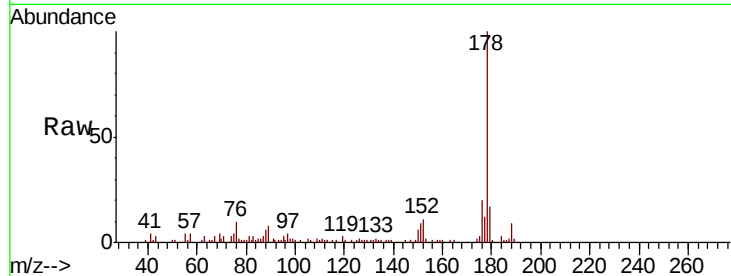
#71
Phenanthrene
Concen: 3.536 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.02 min
Lab File: BF116967.D
Acq: 12 Sep 2019 00:41

Instrument :
BNA_F
ClientSampleId :
TP-5-D(4-10)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.4	23.0
179	16.5	12.2	18.2

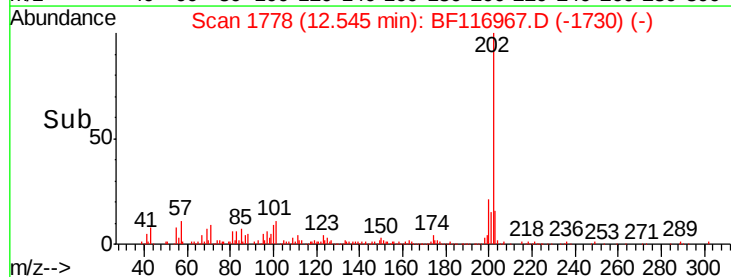
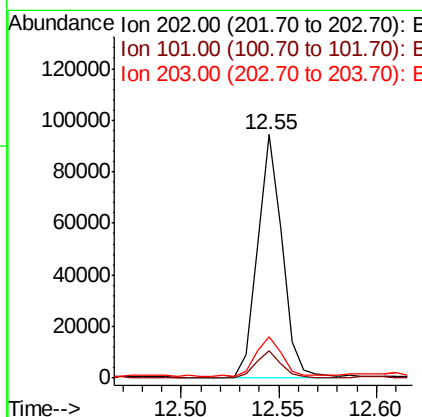
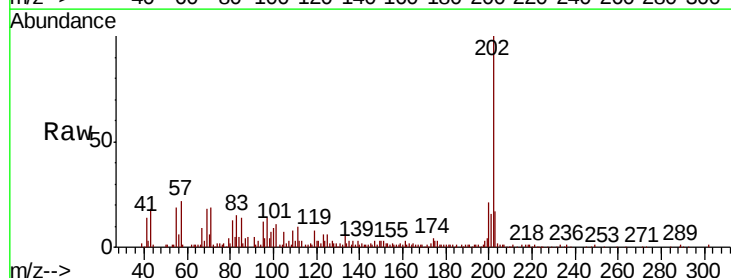
Manual Integrations
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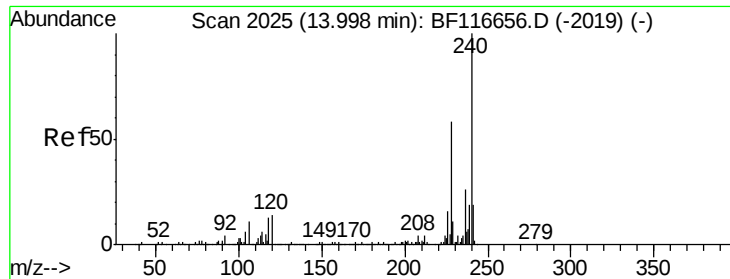
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#75
Fluoranthene
Concen: 6.467 ng
RT: 12.55 min Scan# 1778
Delta R.T. -0.02 min
Lab File: BF116967.D
Acq: 12 Sep 2019 00:41

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	31.3
203	17.1	0.0	37.6





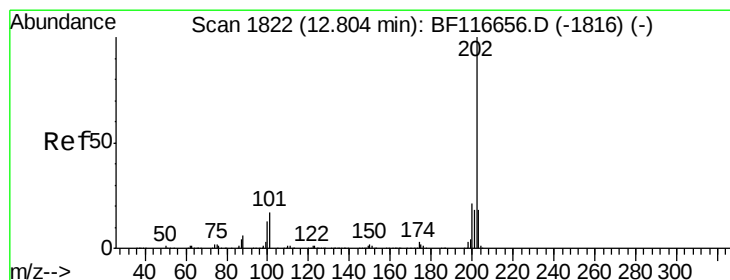
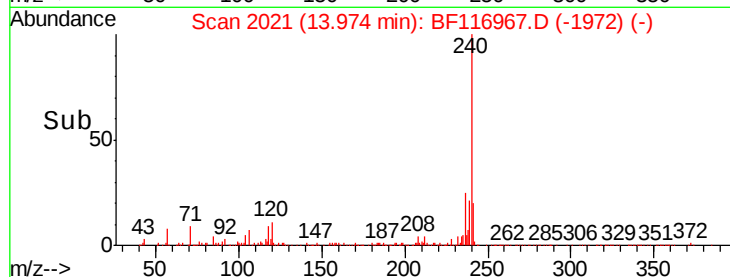
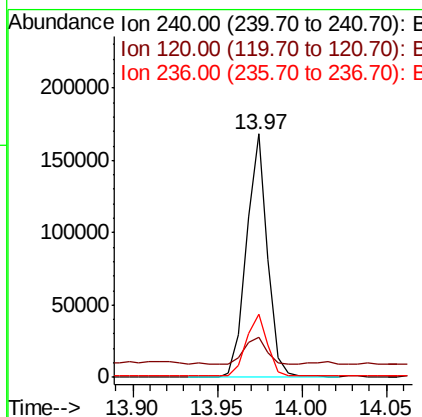
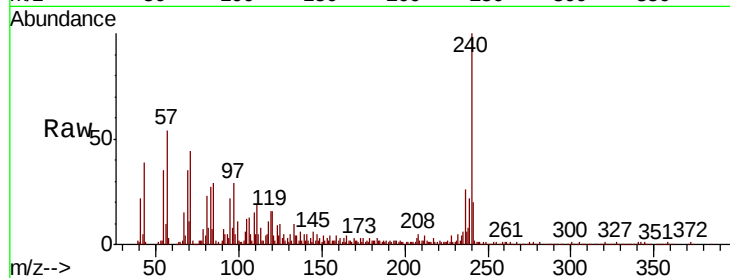
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF116967.D
Acq: 12 Sep 2019 00:41

Instrument :
BNA_F
ClientSampleId :
TP-5-D(4-10)

Tot Ion	Ratio	Lower	Upper
240	100		
120	16.5	9.1	13.7#
236	25.8	21.1	31.7

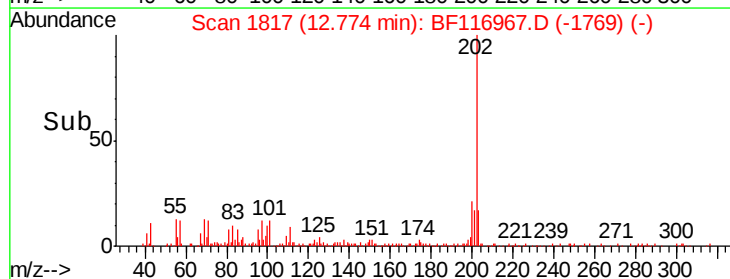
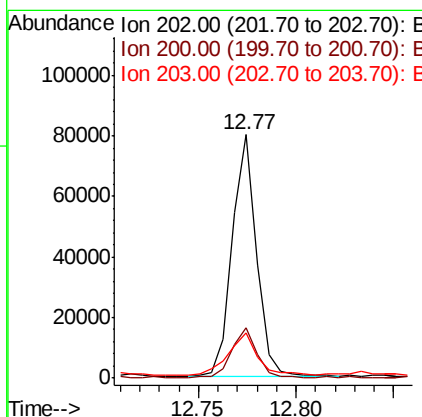
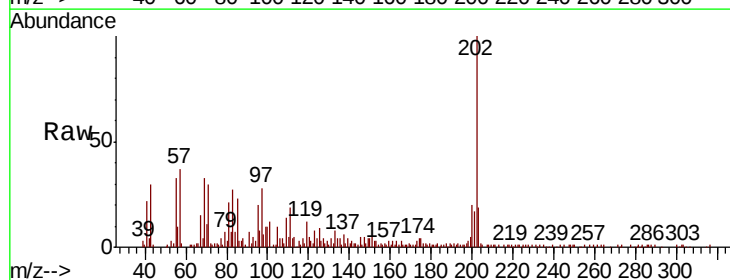
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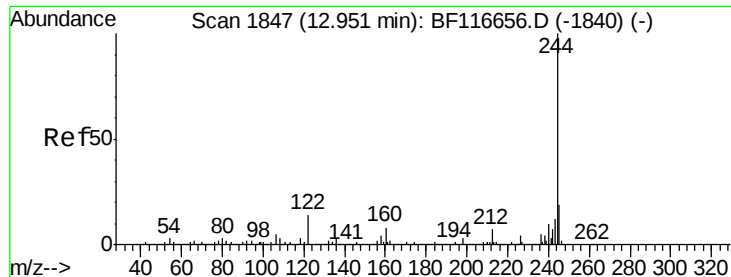
mohammad
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#78
Pyrene
Concen: 5.403 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.02 min
Lab File: BF116967.D
Acq: 12 Sep 2019 00:41

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.5	24.7
203	18.5	13.7	20.5





#79

Terphenyl-d14

Concen: 78.530 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.01 min

Lab File: BF116967.D

Acq: 12 Sep 2019 00:41

Instrument :

BNA_F

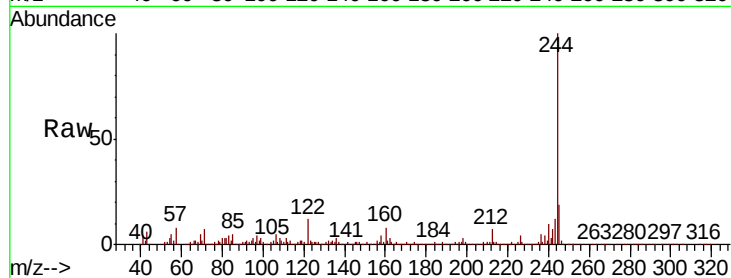
ClientSampleId :

TP-5-D(4-10)

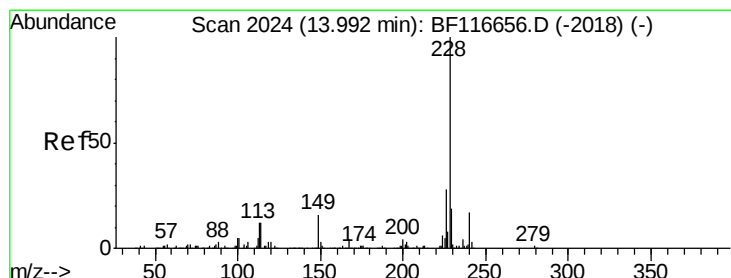
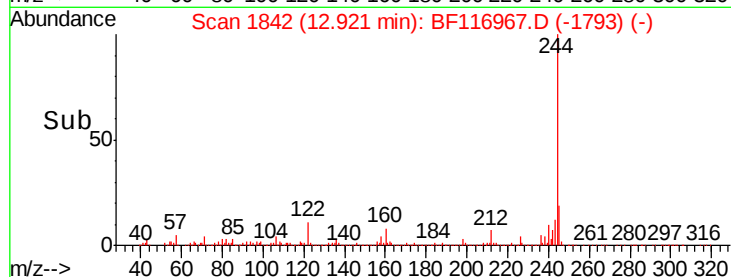
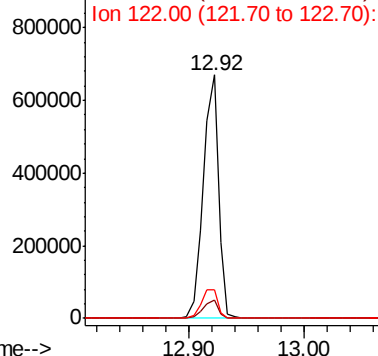
Tot Ion:	244	Resp:	613949
Ion Ratio	Lower	Upper	
244	100		
212	7.3	6.1	9.1
122	11.6	10.2	15.4

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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 3.143 ng

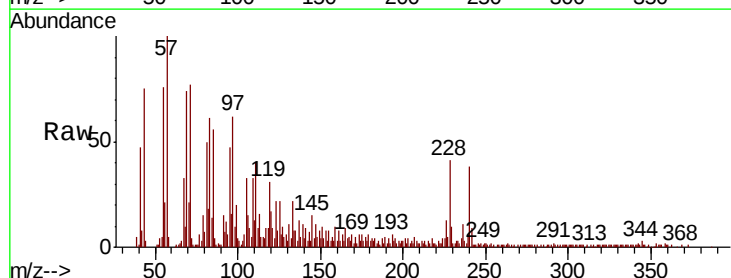
RT: 13.96 min Scan# 2019

Delta R.T. -0.01 min

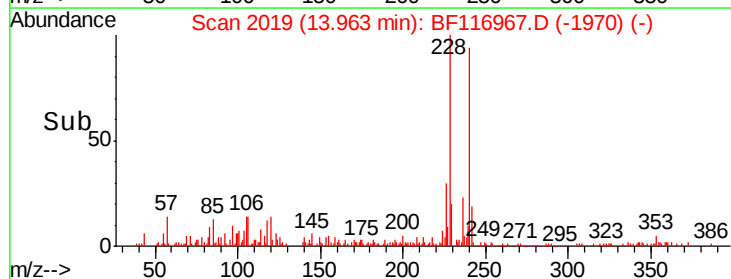
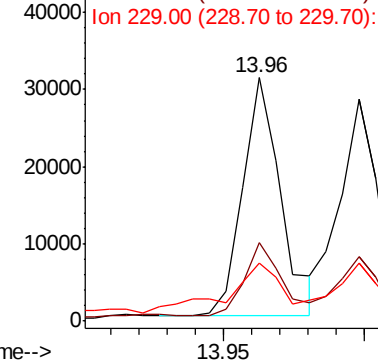
Lab File: BF116967.D

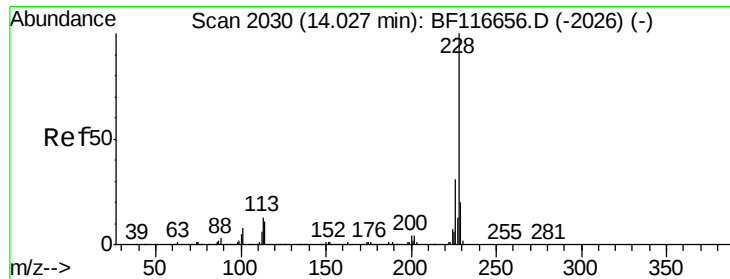
Acq: 12 Sep 2019 00:41

Tgt Ion:	228	Resp:	28774
Ion Ratio	Lower	Upper	
228	100		
226	32.3	22.0	33.0
229	23.8	16.4	24.6



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





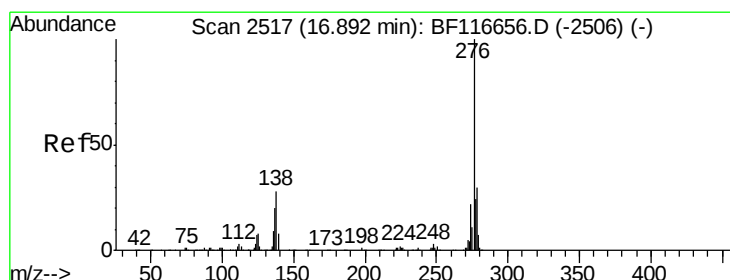
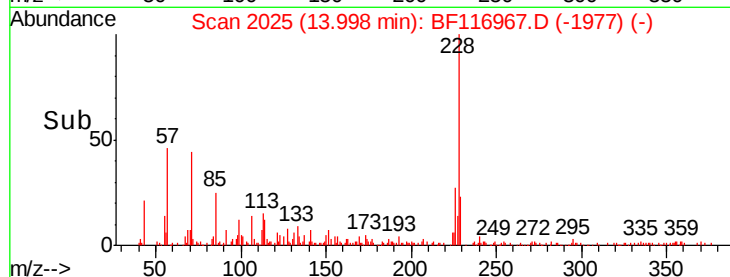
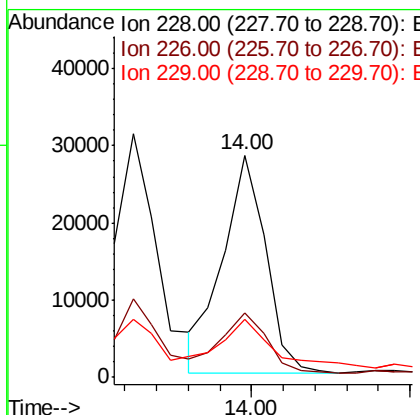
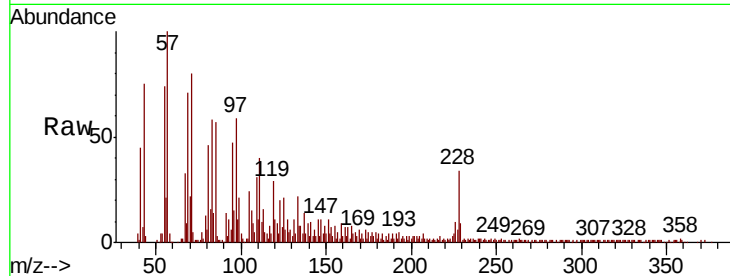
#83
Chrysene
Concen: 2.801 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.02 min
Lab File: BF116967.D
Acq: 12 Sep 2019 00:41

Instrument :
BNA_F
ClientSampleId :
TP-5-D(4-10)

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.8	24.0	36.0
229	26.2	15.4	23.0

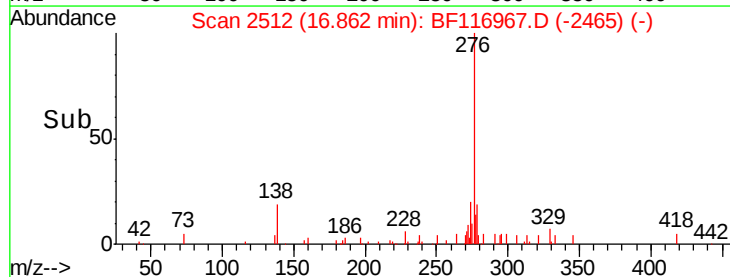
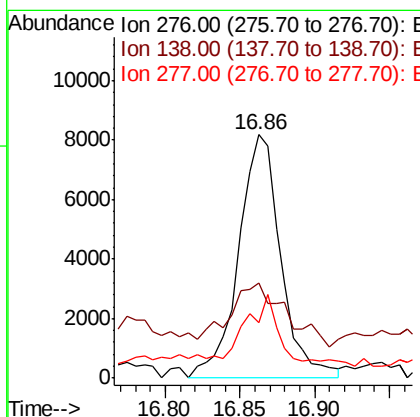
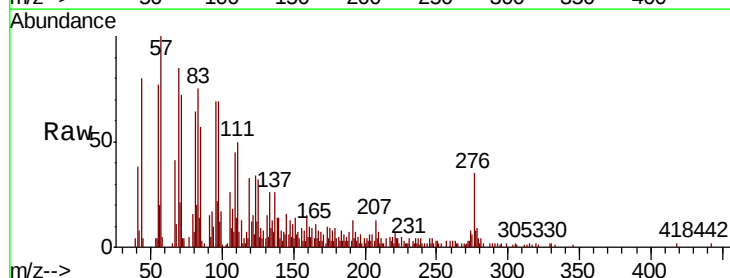
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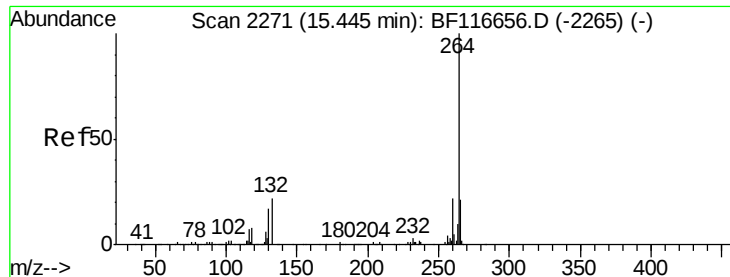
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#86
Indeno(1,2,3-cd)pyrene
Concen: 2.118 ng m
RT: 16.86 min Scan# 2512
Delta R.T. -0.02 min
Lab File: BF116967.D
Acq: 12 Sep 2019 00:41

Tgt Ion	Ratio	Lower	Upper
276	100		
138	1.2	19.4	29.2
277	1.1	20.5	30.7





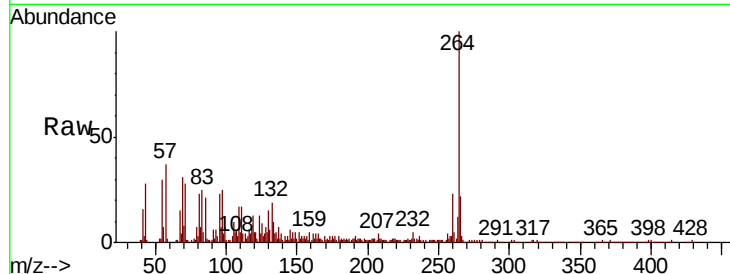
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF116967.D
Acq: 12 Sep 2019 00:41

Instrument :
BNA_F
ClientSampleId :
TP-5-D(4-10)

Tot Ion	Ratio	Resp	Lower	Upper
264	100	165878		
260	22.9		18.3	27.5
265	21.8		16.5	24.7

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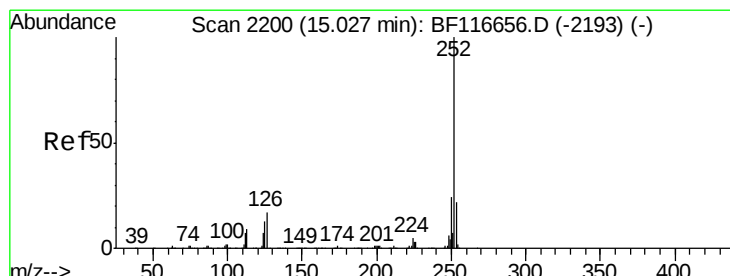
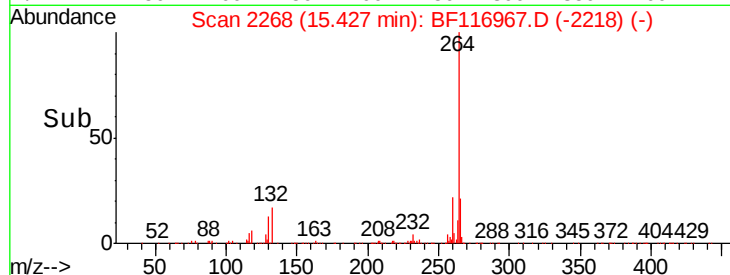
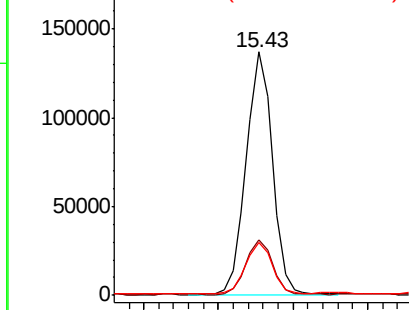


Abundance

Ion 264.00 (263.70 to 264.70): E

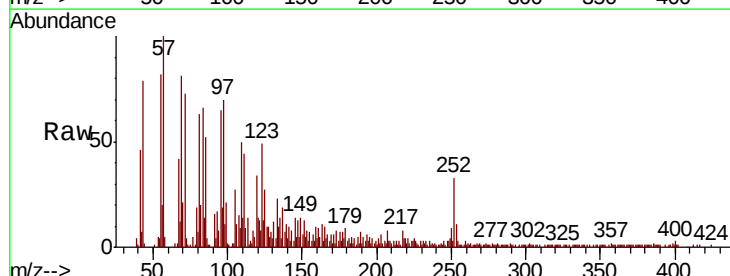
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88
Benzo(b)fluoranthene
Concen: 3.546 ng m
RT: 15.01 min Scan# 2197
Delta R.T. -0.01 min
Lab File: BF116967.D
Acq: 12 Sep 2019 00:41

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	35566		
253	33.6		17.7	26.5#
125	80.0		8.2	12.2#

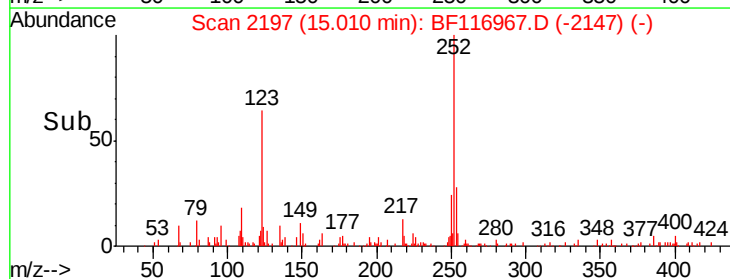
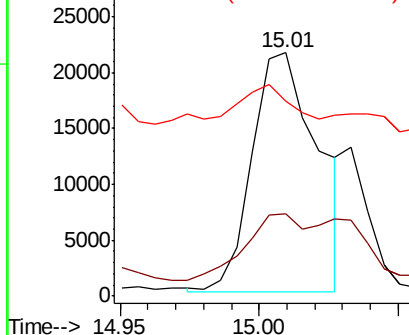


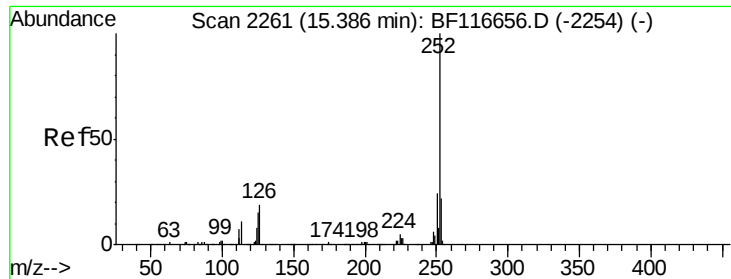
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90
Benzo(a)pyrene
Concen: 2.634 ng
RT: 15.36 min Scan# 2257
Delta R.T. -0.02 min
Lab File: BF116967.D
Acq: 12 Sep 2019 00:41

Instrument :
BNA_F
ClientSampleId :
TP-5-D(4-10)

Tot Ion	Ratio	Lower	Upper
252	100		
253	31.2	18.1	27.1#
125	73.6	9.8	14.8#

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