

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031819\
 Data File : BF113112.D
 Acq On : 19 Mar 2019 1:51
 Operator : JU/SJ
 Sample : K1921-01DL 2X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleID :
 282-346DL

Manual Integrations
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Sohil
 3/19/2019 5:10:03 PM

Quant Time: Mar 19 07:05:12 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 13 03:42:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	78279	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	255124	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	90352	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	166499	20.00	ng	0.00
76) Chrysene-d12	13.87	240	157993	20.00	ng	0.00
87) Perylene-d12	15.28	264	111948	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.35	112	586741	116.60	ng	0.00
7) Phenol-d6	6.37	99	716284	113.31	ng	0.00
23) Nitrobenzene-d5	7.29	82	434041	101.80	ng	-0.01
42) 2,4,6-Tribromophenol	10.55	330	145438	151.62	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	627249	135.98	ng	0.00
79) Terphenyl-d14	12.82	244	594326	72.92	ng	0.00

Target Compounds

						Qvalue
31) Naphthalene	8.03	128	64841	5.119	ng	99
49) Acenaphthylene	9.62	152	59128	6.053	ng	98
50) Dimethylphthalate	9.48	163	37175	5.580	ng	# 96
52) Acenaphthene	9.79	154	15540	2.720	ng	95
58) Fluorene	10.30	166	27796	4.717	ng	99
71) Phenanthrene	11.26	178	344767	41.619	ng	97
72) Anthracene	11.32	178	206969	23.868	ng	97
73) Carbazole	11.47	167	35594	4.208	ng	98
75) Fluoranthene	12.45	202	820020	92.393	ng	96
78) Pyrene	12.67	202	713991	53.606	ng	99
81) Benzo(a)anthracene	13.86	228	414305m	37.836	ng	
83) Chrysene	13.89	228	384230	35.823	ng	98
86) Indeno(1,2,3-cd)pyrene	16.64	276	171437	18.748	ng	# 89
88) Benzo(b)fluoranthene	14.88	252	431592m	59.603	ng	
89) Benzo(k)fluoranthene	14.90	252	119914m	18.282	ng	
90) Benzo(a)pyrene	15.22	252	275766m	43.056	ng	
91) Dibenzo(a,h)anthracene	16.66	278	48711	8.913	ng	94
92) Benzo(g,h,i)perylene	17.06	276	169493m	30.884	ng	

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

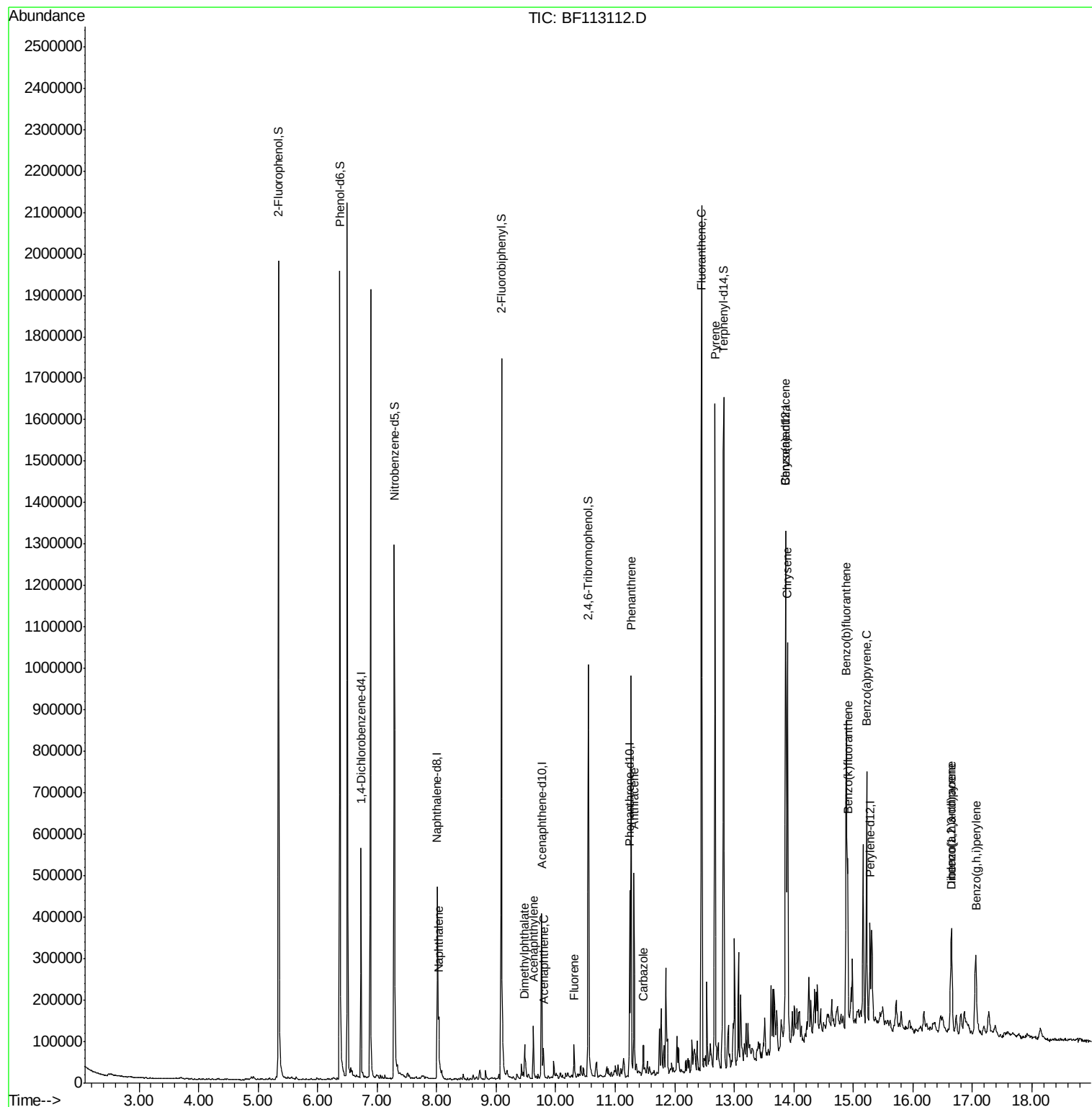
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031819\
Data File : BF113112.D
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Sample : K1921-01DL 2X
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ALS Vial : 31 Sample Multiplier: 1

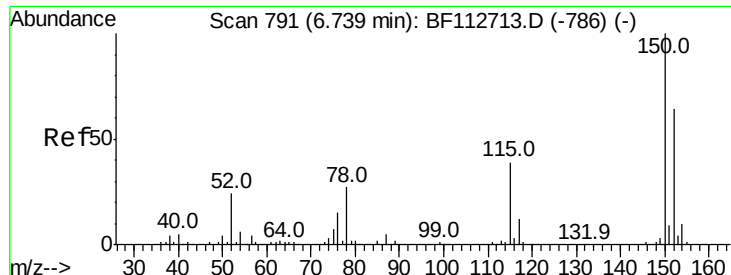
Instrument :
BNA_F
ClientSampled :
282-346DL

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Quant Time: Mar 19 07:05:12 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

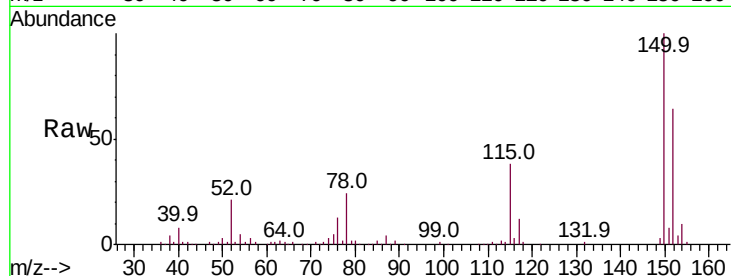
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF113112.D
Acq: 19 Mar 2019 1:51

Instrument :
BNA_F
ClientSampleId :
282-346DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	124.2	186.2
115	58.8	48.2	72.4

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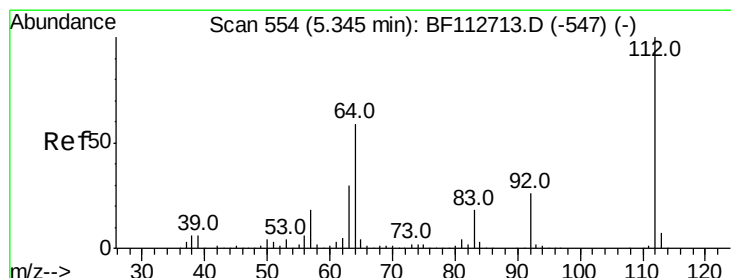
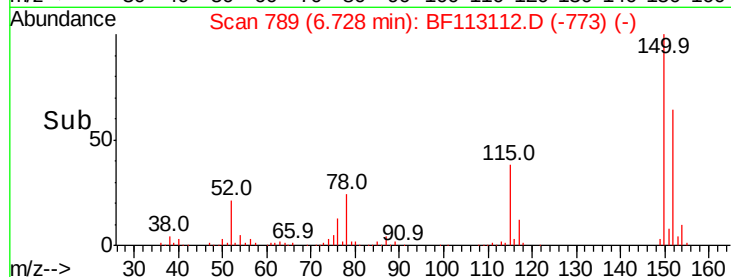
Abundance

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

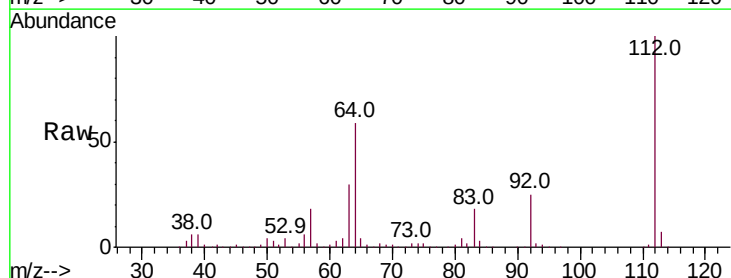
Time-->



#5

2-Fluorophenol
Concen: 116.596 ng
RT: 5.35 min Scan# 554
Delta R.T. 0.00 min
Lab File: BF113112.D
Acq: 19 Mar 2019 1:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.6	47.6	71.4
63	30.1	24.4	36.6



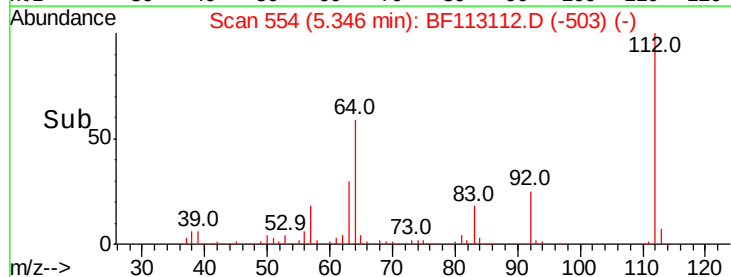
Abundance

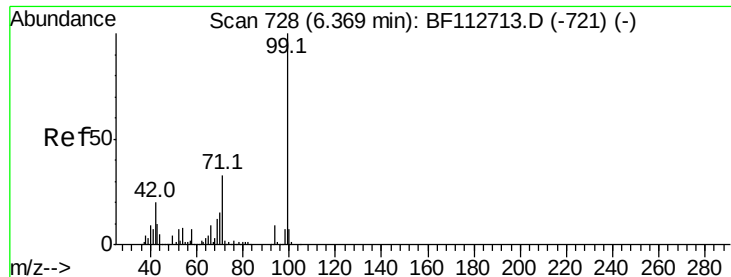
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Time-->





#7

Phenol-d6

Concen: 113.312 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.00 min

Lab File: BF113112.D

Acq: 19 Mar 2019 1:51

Instrument :

BNA_F

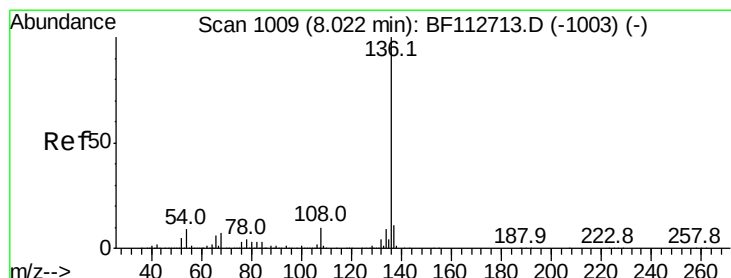
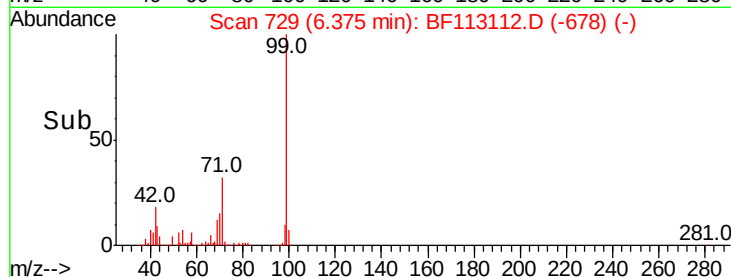
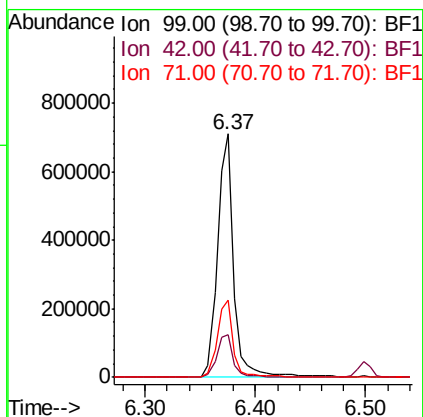
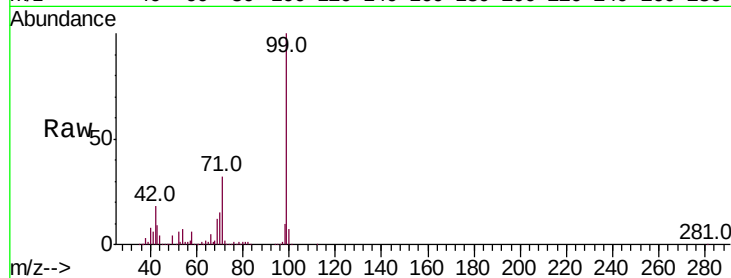
ClientSampleId :

282-346DL

Tot Ion:	99	Resp:	716284
Ion Ratio	Lower	Upper	
99	100		
42	17.7	16.3	24.5
71	31.6	26.2	39.4

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#21

Naphthalene-d8

Concen: 20.000 ng

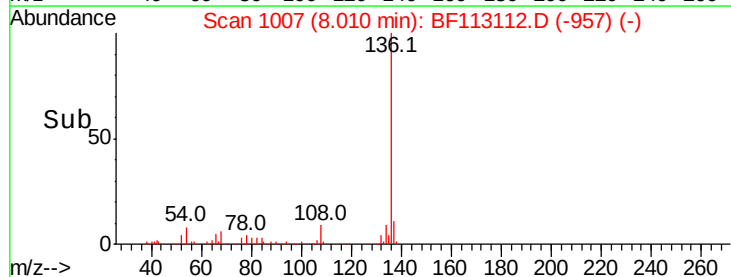
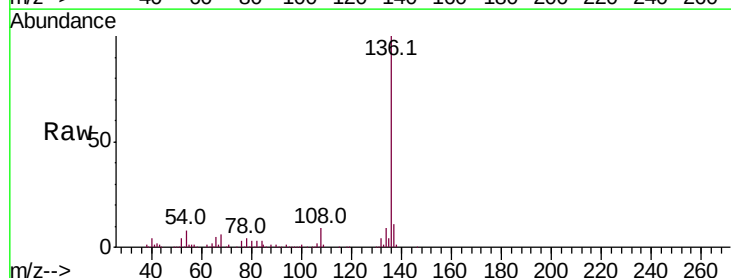
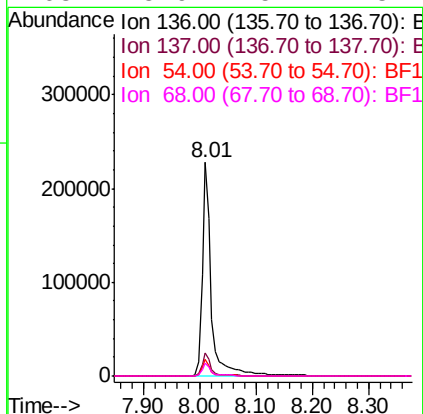
RT: 8.01 min Scan# 1007

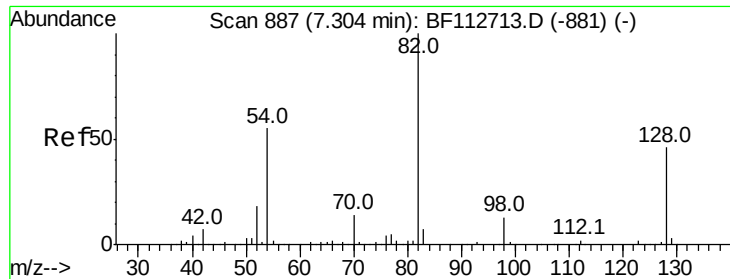
Delta R.T. -0.01 min

Lab File: BF113112.D

Acq: 19 Mar 2019 1:51

Tgt Ion:	136	Resp:	255124
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.9	13.3
54	7.9	7.3	10.9
68	5.9	5.4	8.2





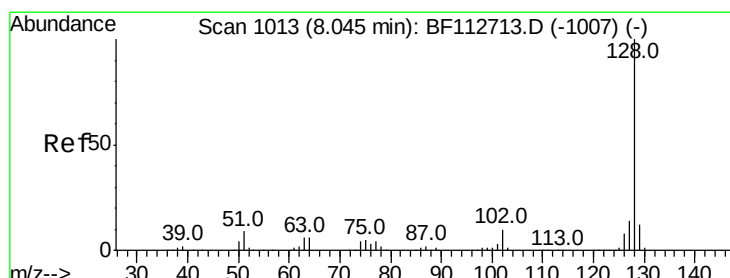
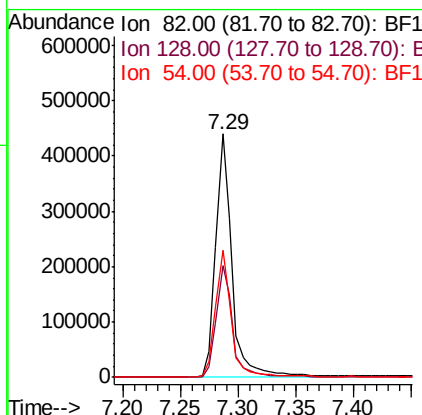
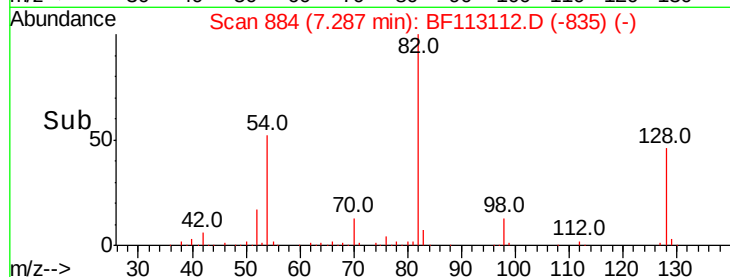
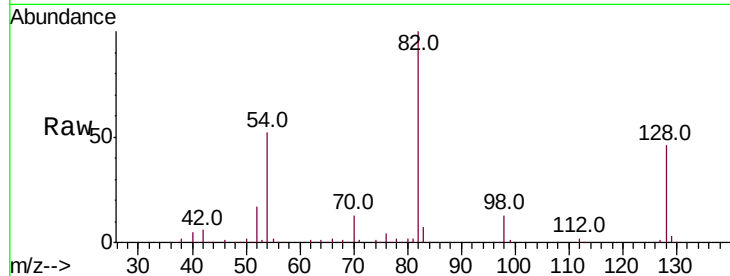
#23
 Nitrobenzene-d5
 Concen: 101.802 ng
 RT: 7.29 min Scan# 884
 Delta R.T. -0.01 min
 Lab File: BF113112.D
 Acq: 19 Mar 2019 1:51

Instrument :
 BNA_F
 ClientSampled :
 282-346DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.7	36.3	54.5
54	52.5	43.7	65.5

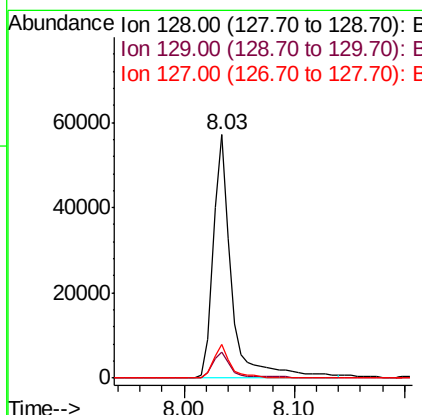
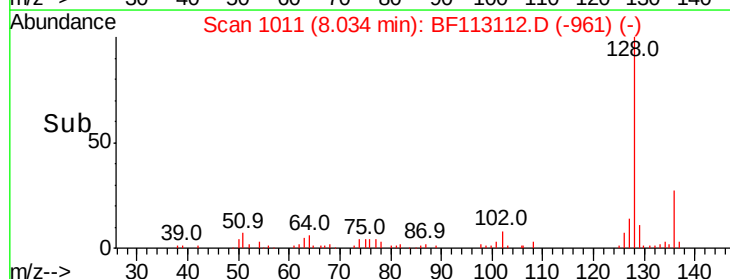
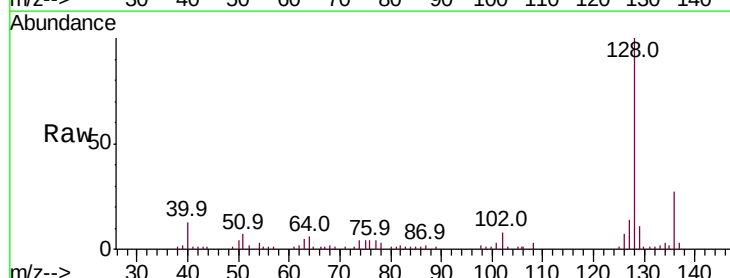
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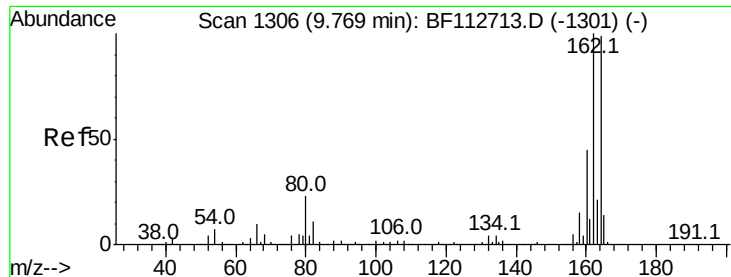
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#31
 Naphthalene
 Concen: 5.119 ng
 RT: 8.03 min Scan# 1011
 Delta R.T. -0.01 min
 Lab File: BF113112.D
 Acq: 19 Mar 2019 1:51

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.3	13.9
127	13.6	10.9	16.3





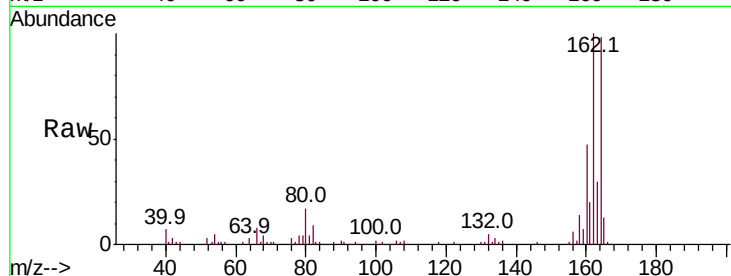
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.01 min
 Lab File: BF113112.D
 Acq: 19 Mar 2019 1:51

Instrument :
 BNA_F
 ClientSampleId :
 282-346DL

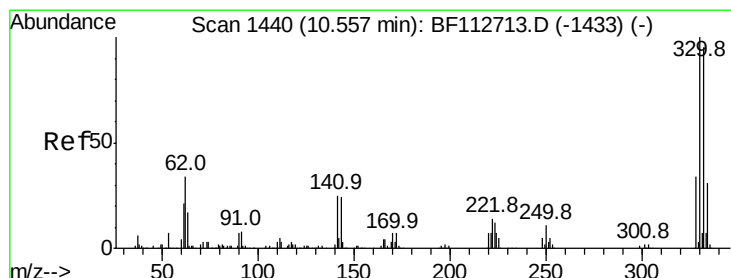
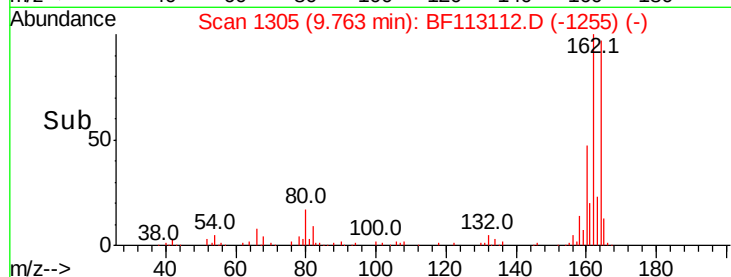
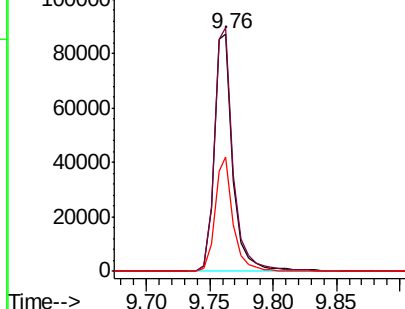
Tot Ion	Ratio	Lower	Upper
164	100		
162	102.6	80.6	120.8
160	48.3	36.0	54.0

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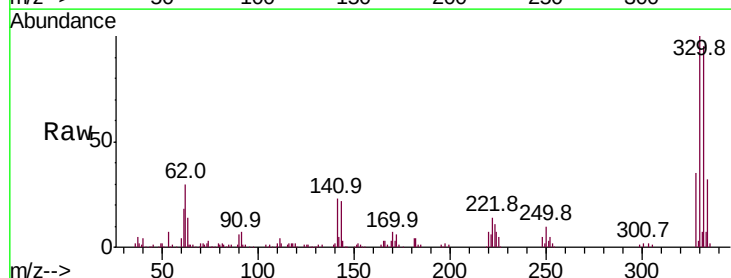


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

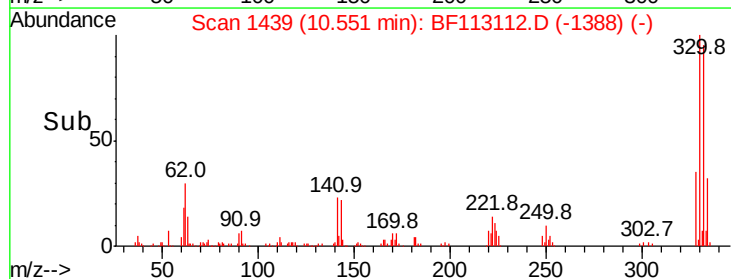
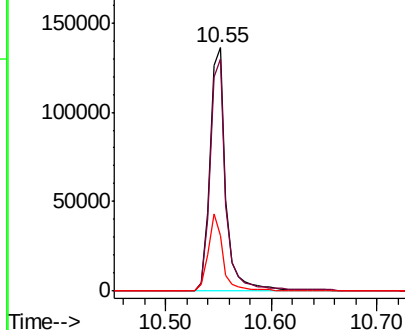


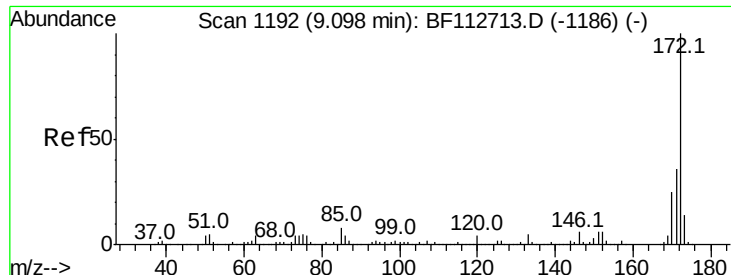
#42
 2,4,6-Tribromophenol
 Concen: 151.624 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: BF113112.D
 Acq: 19 Mar 2019 1:51

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.1	76.2	114.4
141	29.1	27.0	40.6



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





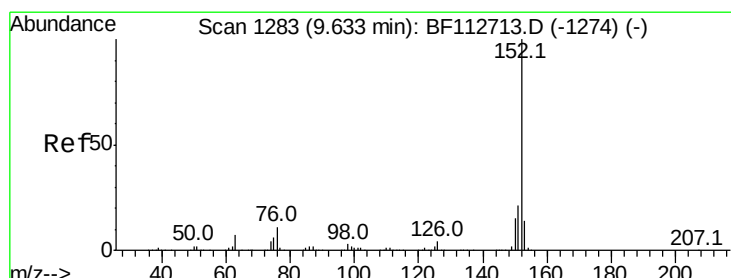
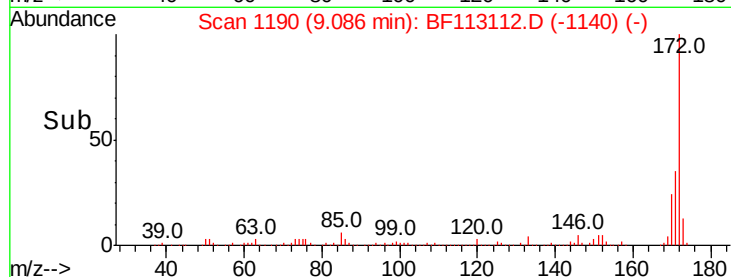
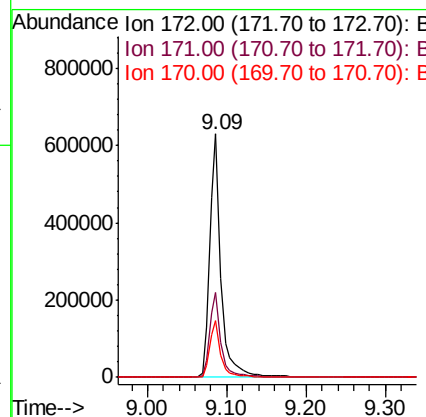
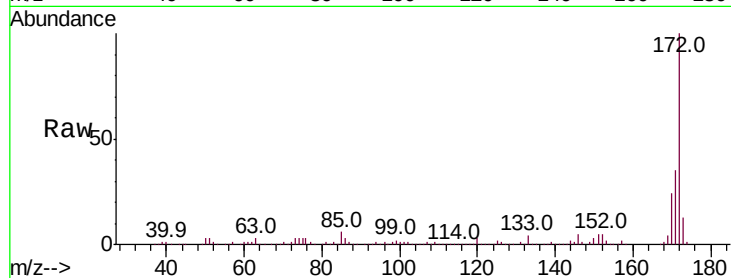
#45
 2-Fluorobiphenyl
 Concen: 135.983 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF113112.D
 Acq: 19 Mar 2019 1:51

Instrument :
 BNA_F
 ClientSampleId :
 282-346DL

Tot Ion	Ratio	Resp	Lower	Upper
172	100	627249		
171	34.8		29.0	43.4
170	23.5		20.0	30.0

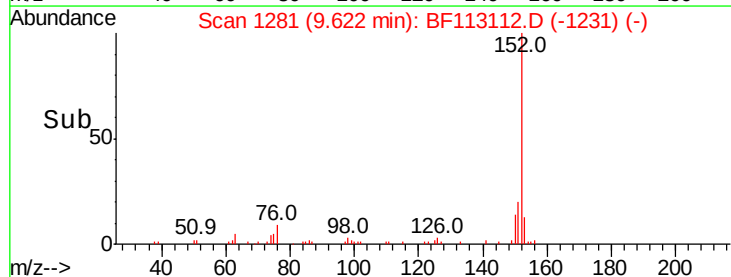
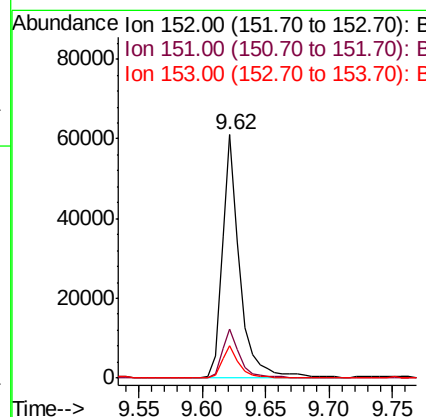
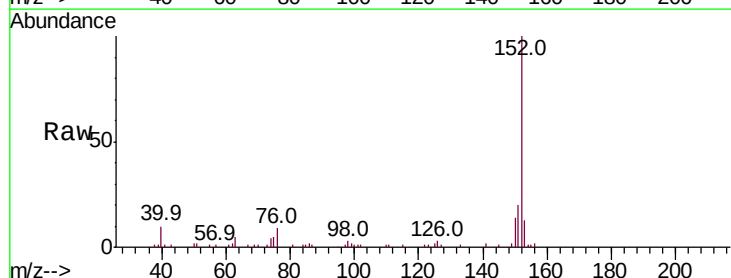
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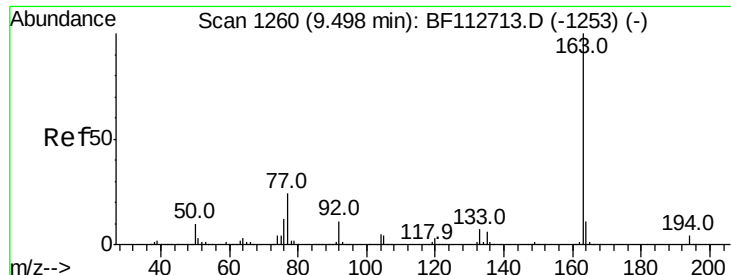
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#49
 Acenaphthylene
 Concen: 6.053 ng
 RT: 9.62 min Scan# 1281
 Delta R.T. -0.01 min
 Lab File: BF113112.D
 Acq: 19 Mar 2019 1:51

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	59128		
151	20.0		16.9	25.3
153	13.3		11.0	16.6





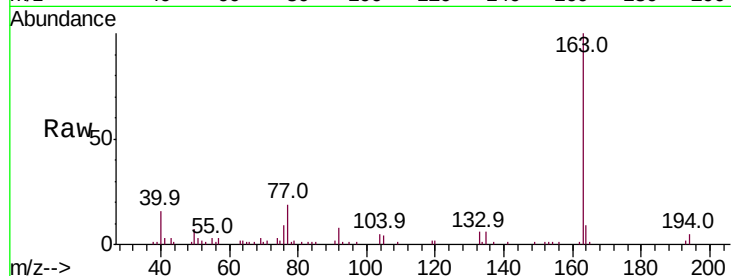
#50
Dimethylphthalate
Concen: 5.580 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.02 min
Lab File: BF113112.D
Acq: 19 Mar 2019 1:51

Instrument :
BNA_F
ClientSampleId :
282-346DL

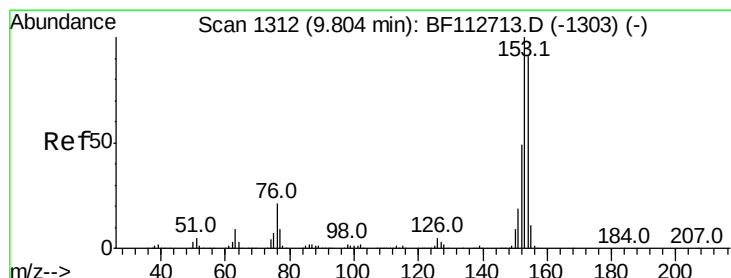
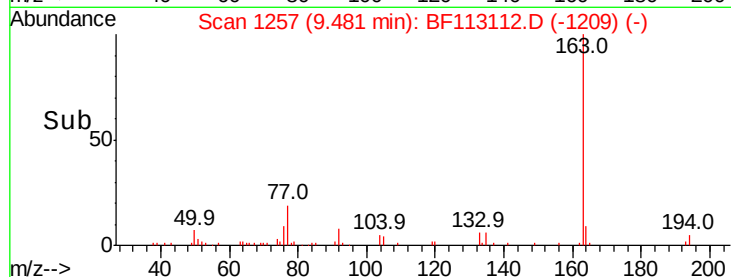
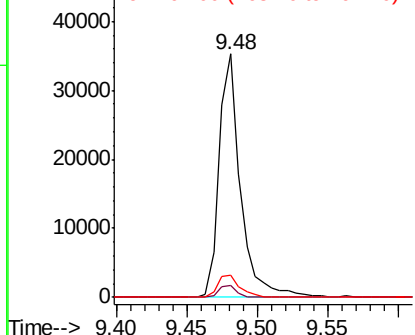
Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	5.0	3.0	4.4#
164	8.9	8.4	12.6

Manual Integrations
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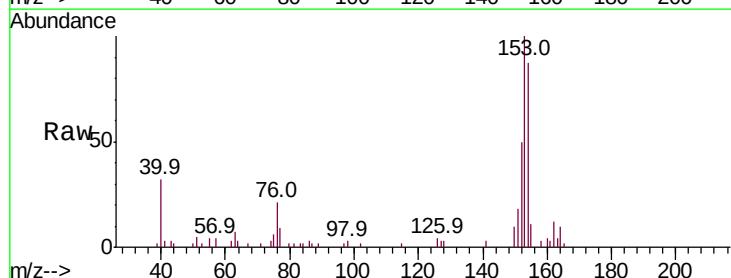


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

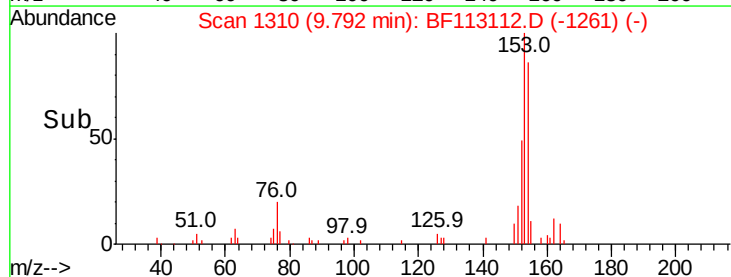
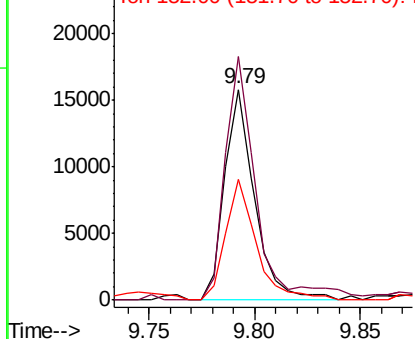


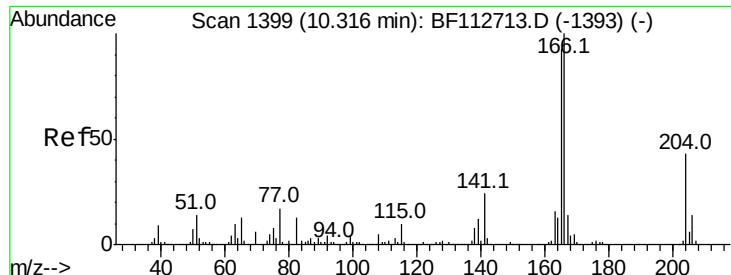
#52
Acenaphthene
Concen: 2.720 ng
RT: 9.79 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF113112.D
Acq: 19 Mar 2019 1:51

Tgt Ion	Ratio	Resp Lower	Upper
154	100		
153	115.5	87.8	131.8
152	57.2	43.0	64.6



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





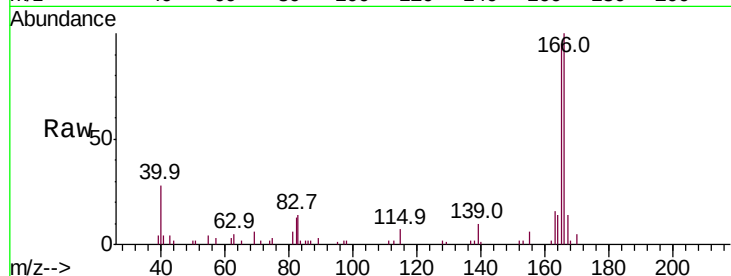
#58
 Fluorene
 Concen: 4.717 ng
 RT: 10.30 min Scan# 1397
 Delta R.T. -0.01 min
 Lab File: BF113112.D
 Acq: 19 Mar 2019 1:51

Instrument :
 BNA_F
 ClientSampleId :
 282-346DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	94.7	74.7	112.1
167	13.8	11.0	16.6

Manual Integrations
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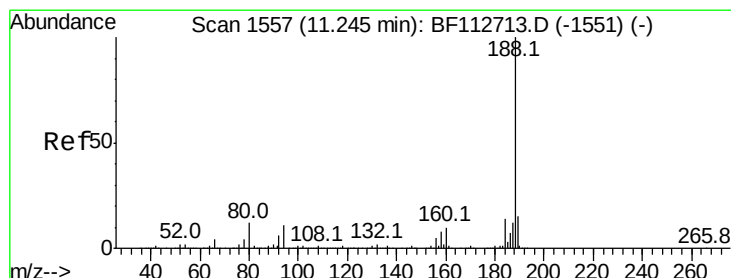
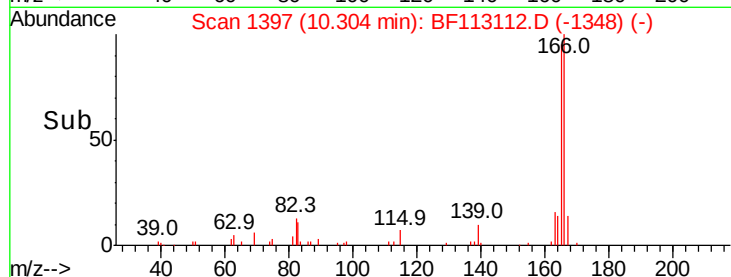
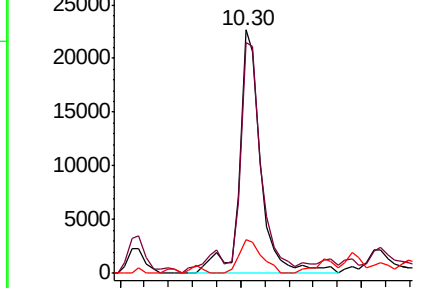


Abundance

Ion 166.00 (165.70 to 166.70): E

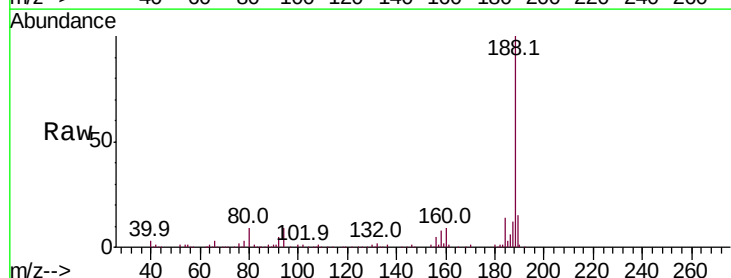
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: BF113112.D
 Acq: 19 Mar 2019 1:51

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.5	9.0	13.4#
80	8.8	9.2	13.8#

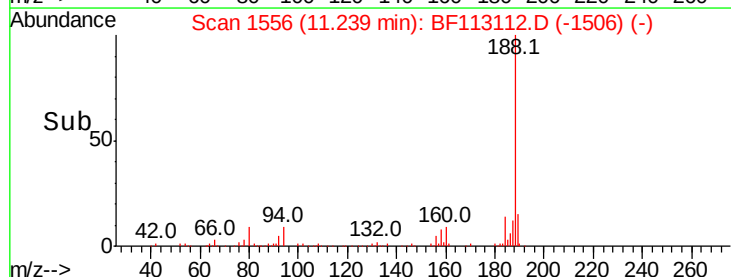
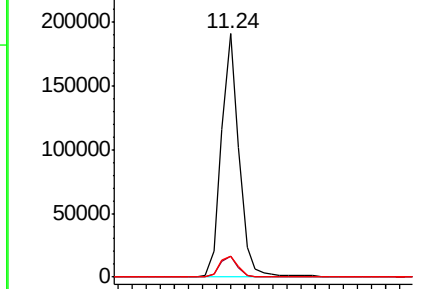


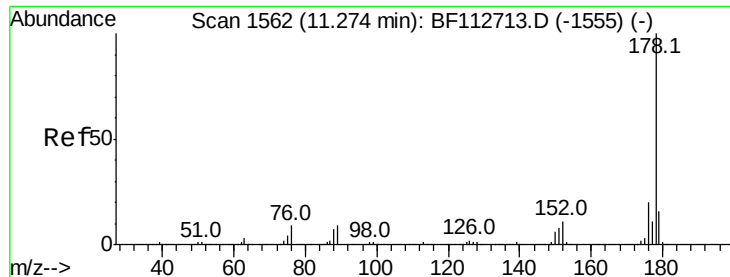
Abundance

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: 41.619 ng

RT: 11.26 min Scan# 1560

Delta R.T. -0.01 min

Lab File: BF113112.D

Acq: 19 Mar 2019 1:51

Instrument :

BNA_F

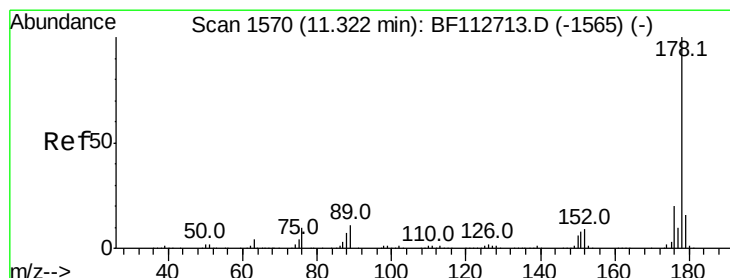
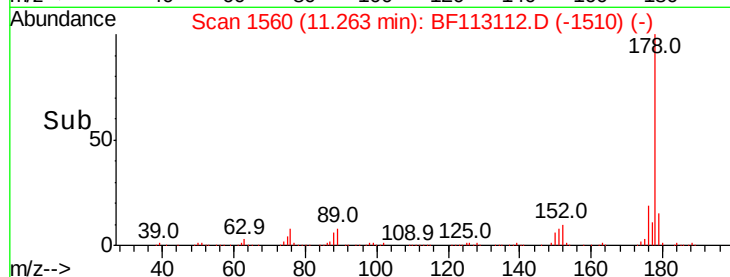
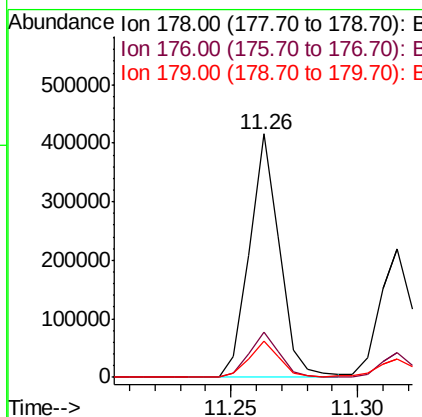
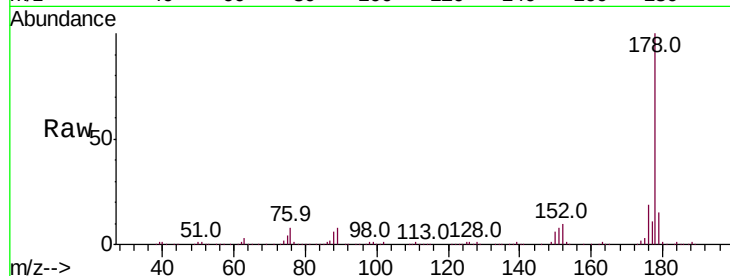
ClientSampleId :

282-346DL

Tot Ion:	178	Resp:	344767
Ion Ratio	Lower	Upper	
178	100		
176	18.8	16.3	24.5
179	14.9	12.7	19.1

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#72

Anthracene

Concen: 23.868 ng

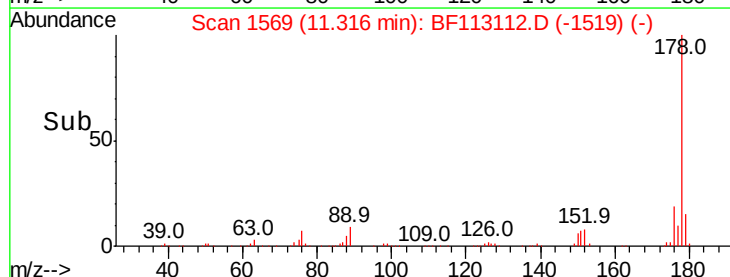
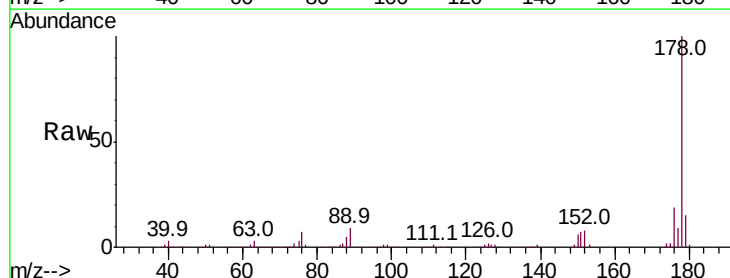
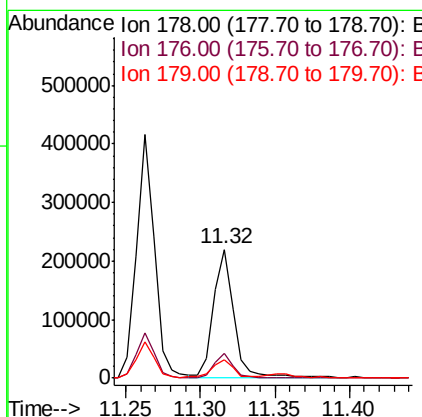
RT: 11.32 min Scan# 1569

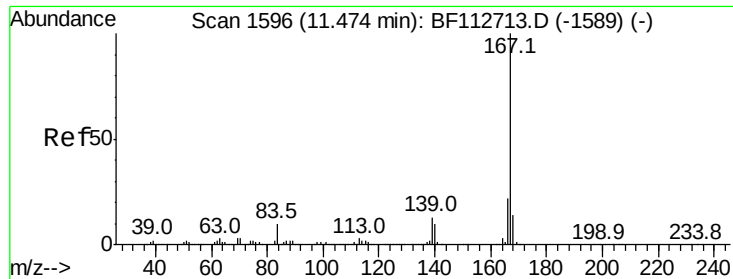
Delta R.T. -0.01 min

Lab File: BF113112.D

Acq: 19 Mar 2019 1:51

Tgt Ion:	178	Resp:	206969
Ion Ratio	Lower	Upper	
178	100		
176	18.8	15.8	23.6
179	14.8	13.0	19.6





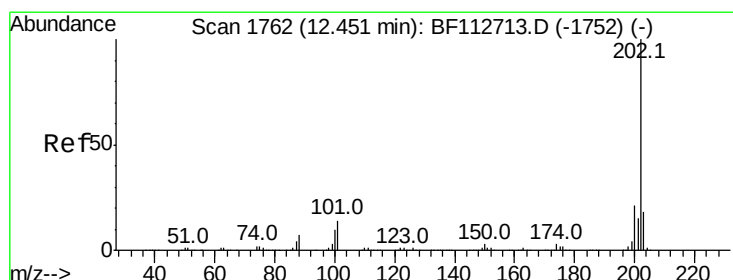
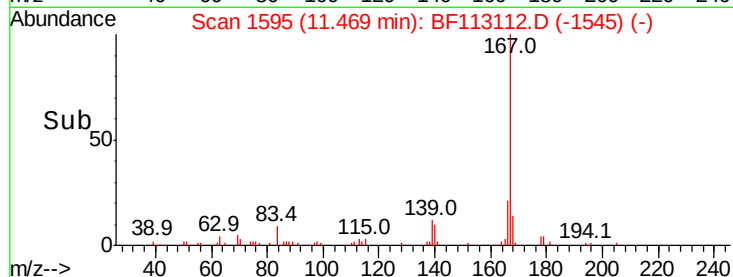
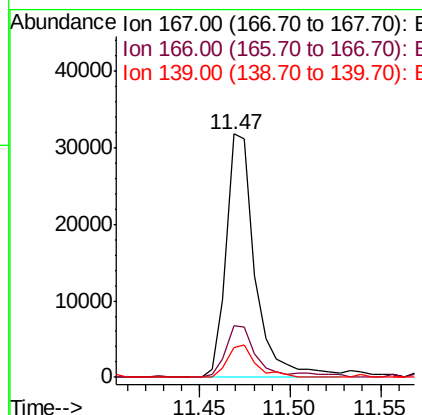
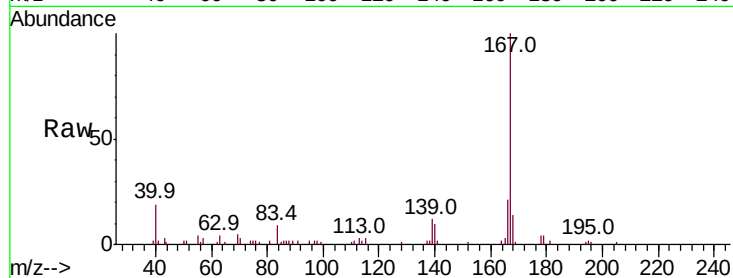
#73
 Carbazole
 Concen: 4.208 ng
 RT: 11.47 min Scan# 1595
 Delta R.T. -0.01 min
 Lab File: BF113112.D
 Acq: 19 Mar 2019 1:51

Instrument :
 BNA_F
 ClientSampleId :
 282-346DL

Tot Ion	Ratio	Resp	Lower	Upper
167	100			
166	21.3	17.5	26.3	
139	12.0	10.8	16.2	

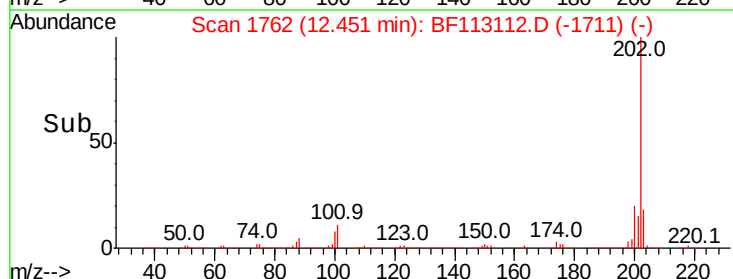
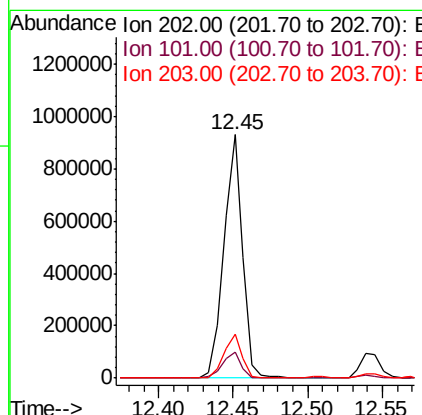
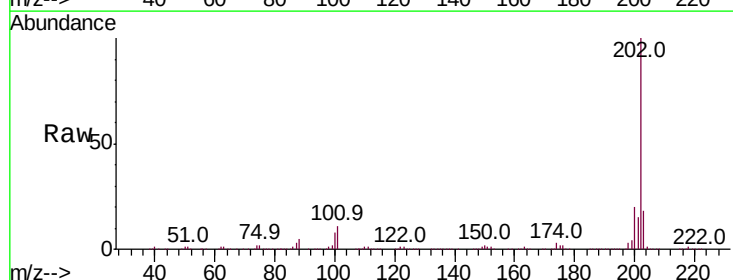
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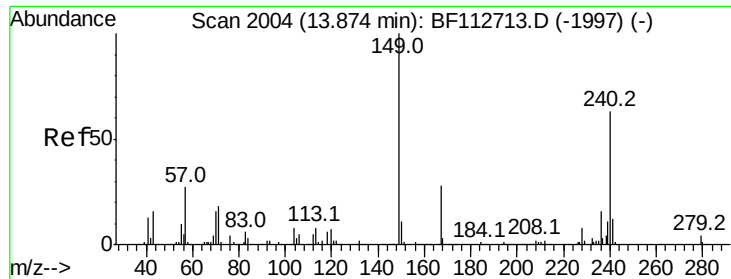
Sohil
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#75
 Fluoranthene
 Concen: 92.393 ng
 RT: 12.45 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: BF113112.D
 Acq: 19 Mar 2019 1:51

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
101	10.9	0.0	33.8	
203	18.0	0.0	38.4	





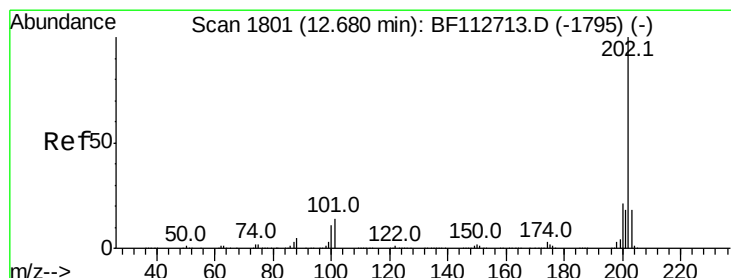
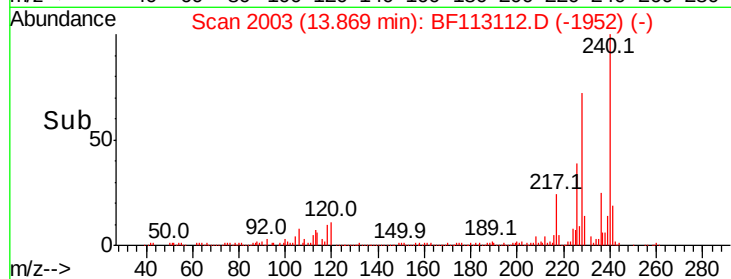
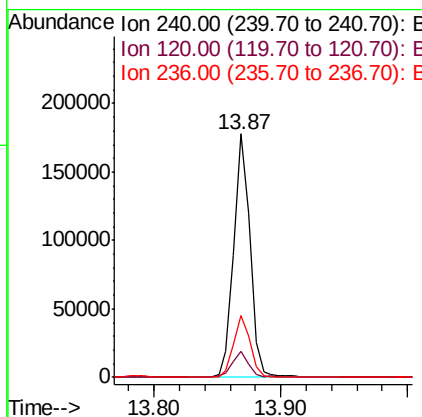
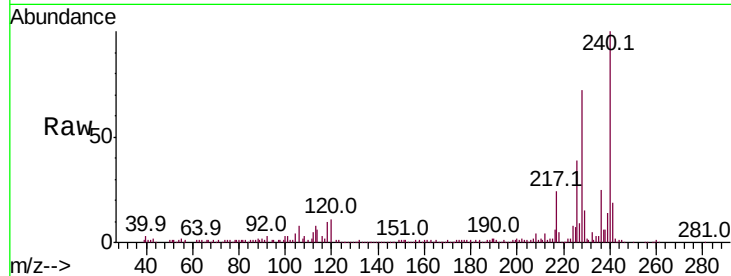
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 2003
Delta R.T. 0.00 min
Lab File: BF113112.D
Acq: 19 Mar 2019 1:51

Instrument :
BNA_F
ClientSampleId :
282-346DL

Tot Ion	Ratio	Resp	Lower	Upper
240	100	157993		
120	10.7	8.9	13.3	
236	25.4	20.7	31.1	

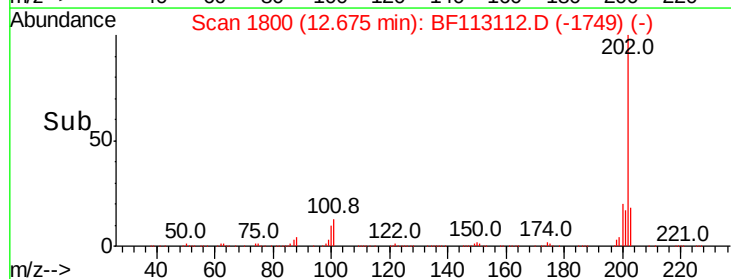
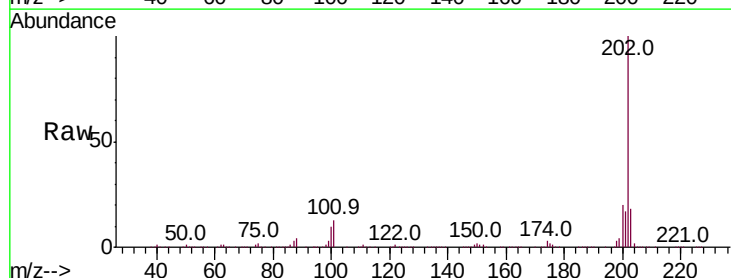
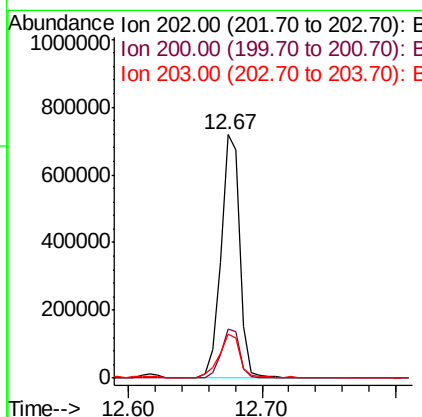
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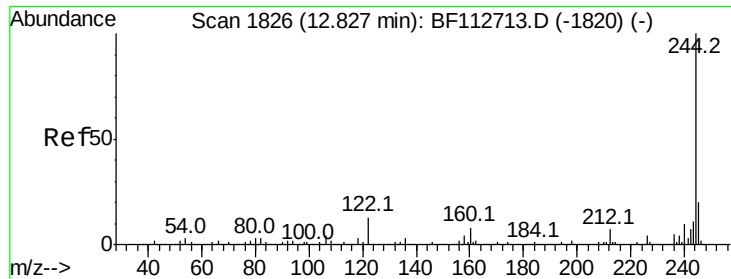
Sohil
3/19/2019 5:10:03 PM



#78
Pyrene
Concen: 53.606 ng
RT: 12.67 min Scan# 1800
Delta R.T. 0.00 min
Lab File: BF113112.D
Acq: 19 Mar 2019 1:51

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	713991		
200	20.1	17.0	25.4	
203	18.2	14.4	21.6	





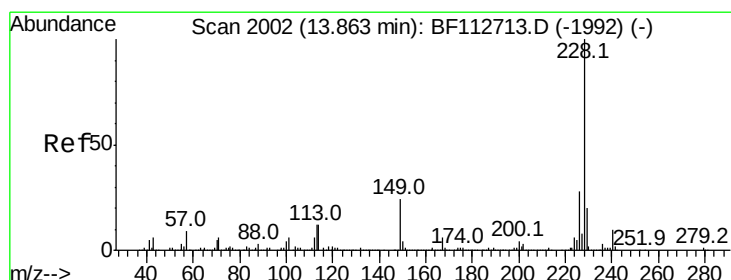
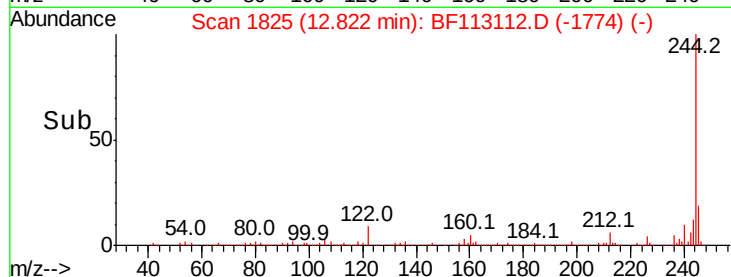
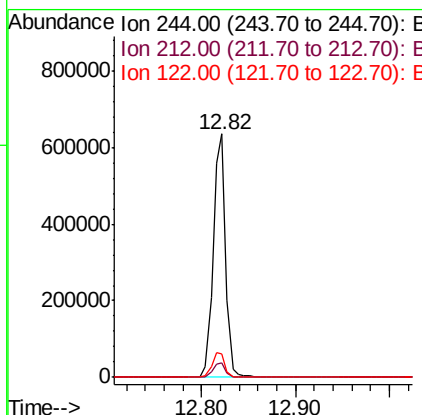
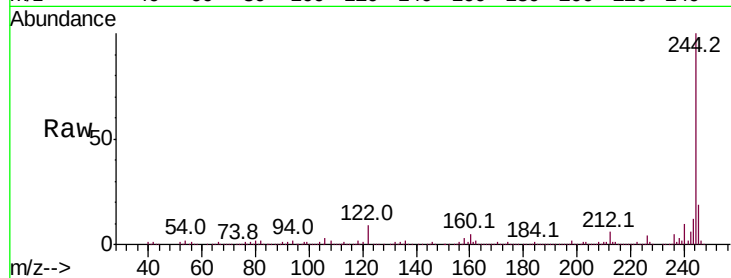
#79
 Terphenyl-d14
 Concen: 72.921 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. 0.00 min
 Lab File: BF113112.D
 Acq: 19 Mar 2019 1:51

Instrument :
 BNA_F
 ClientSampleID :
 282-346DL

Tot Ion	Ratio	Resp Lower	Upper
244	100		
212	6.2	5.6	8.4
122	9.5	10.5	15.7#

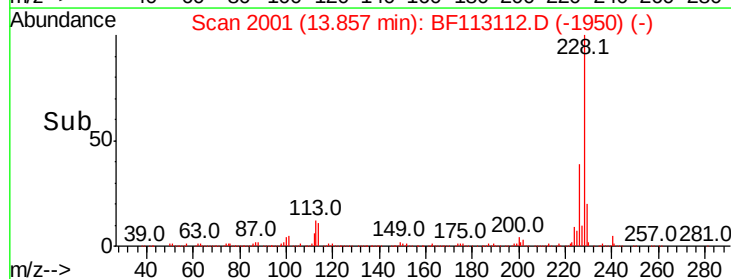
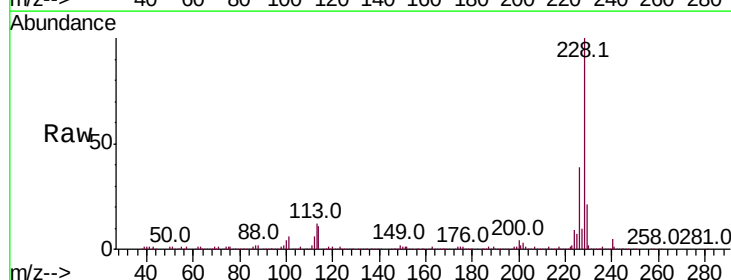
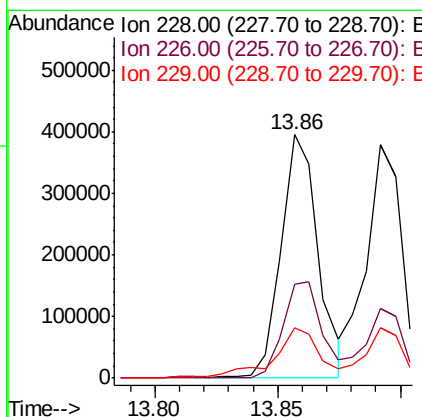
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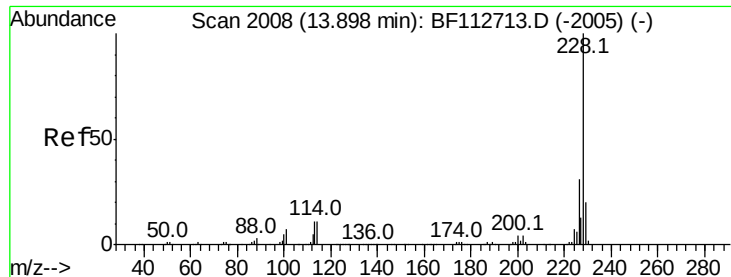
Sohil
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#81
 Benzo(a)anthracene
 Concen: 37.836 ng m
 RT: 13.86 min Scan# 2001
 Delta R.T. 0.00 min
 Lab File: BF113112.D
 Acq: 19 Mar 2019 1:51

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	38.7	22.2	33.4#
229	20.6	16.0	24.0





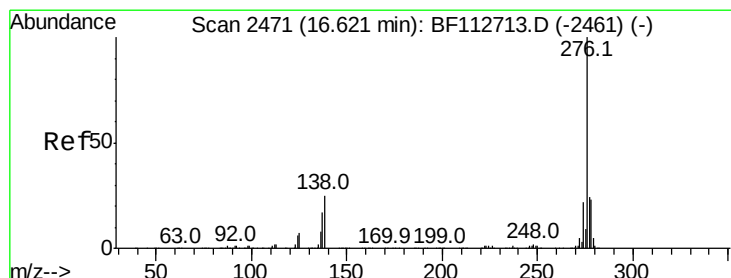
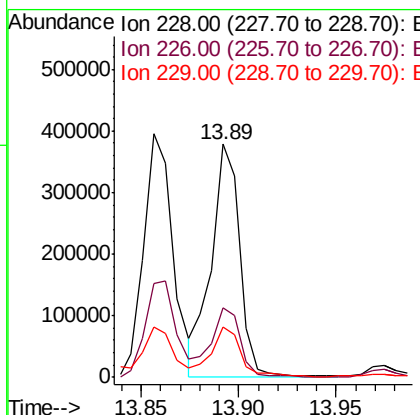
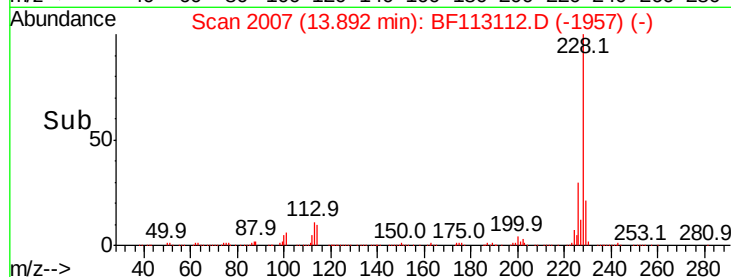
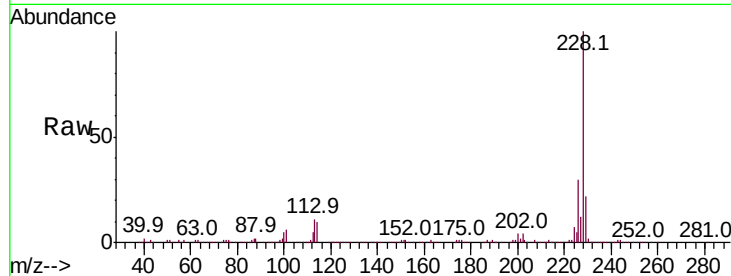
#83
Chrysene
Concen: 35.823 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF113112.D
Acq: 19 Mar 2019 1:51

Instrument :
BNA_F
ClientSampled :
282-346DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.9	37.3
229	21.7	16.3	24.5

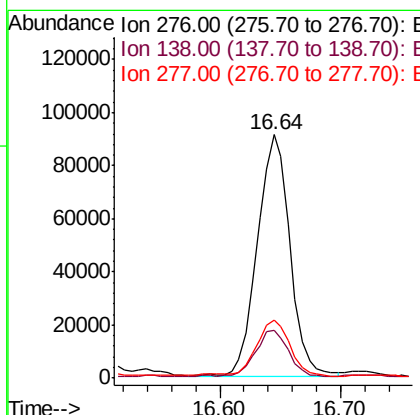
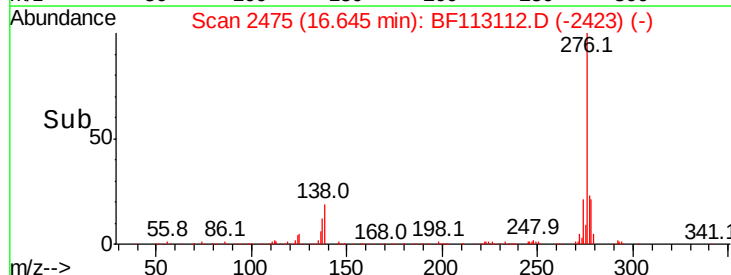
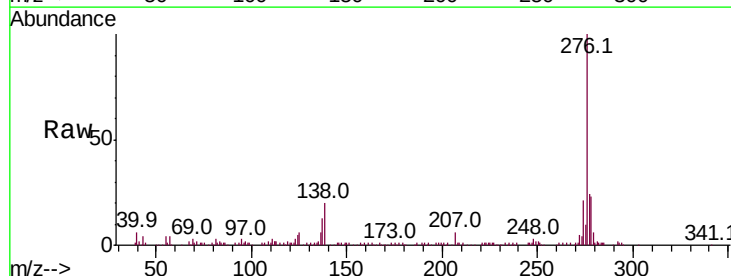
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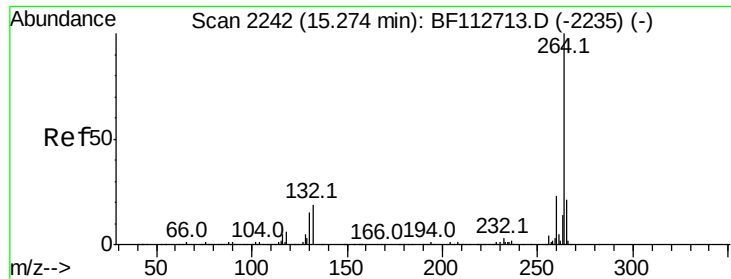
Sohil
3/19/2019 5:10:03 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 18.748 ng
RT: 16.64 min Scan# 2475
Delta R.T. 0.01 min
Lab File: BF113112.D
Acq: 19 Mar 2019 1:51

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.1	23.2	34.8#
277	23.5	19.9	29.9





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.28 min Scan# 2243

Delta R.T. 0.01 min

Lab File: BF113112.D

Acq: 19 Mar 2019 1:51

Instrument :

BNA_F

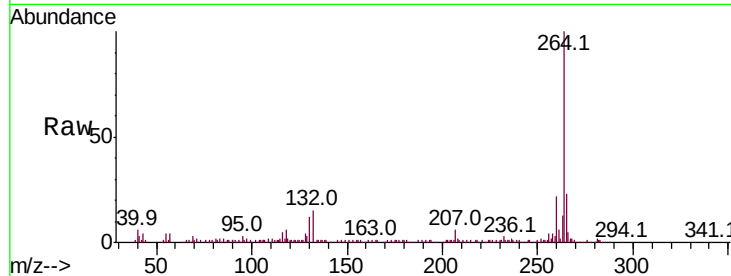
ClientSampleId :

282-346DL

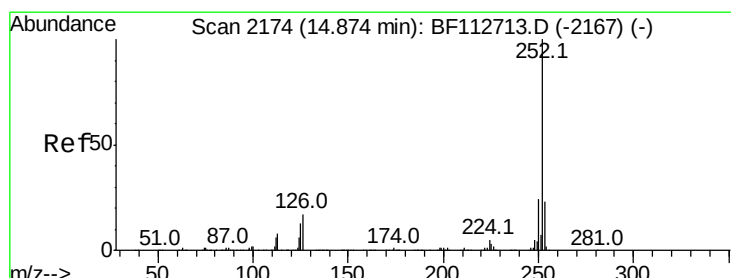
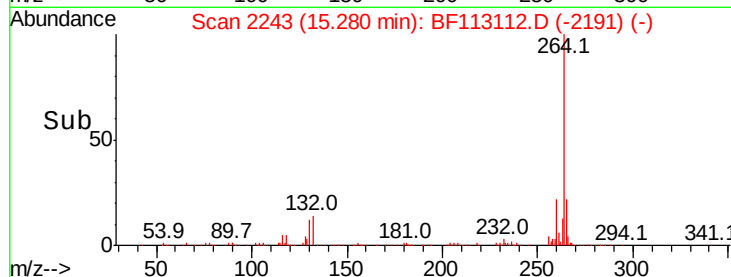
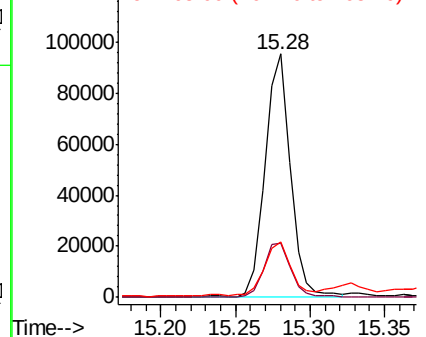
Tot Ion:	264	Resp:	111948
Ion Ratio	Lower	Upper	
264	100		
260	22.2	18.7	28.1
265	22.6	17.2	25.8

Manual Integrations
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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: 59.603 ng m

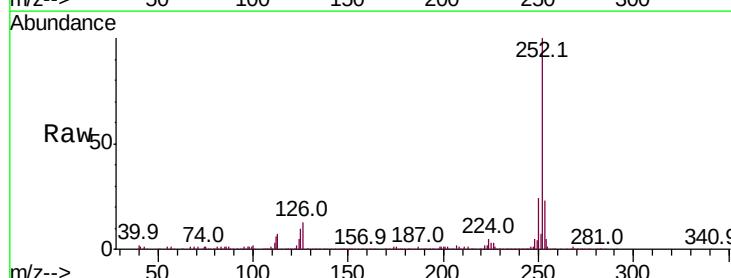
RT: 14.88 min Scan# 2175

Delta R.T. 0.01 min

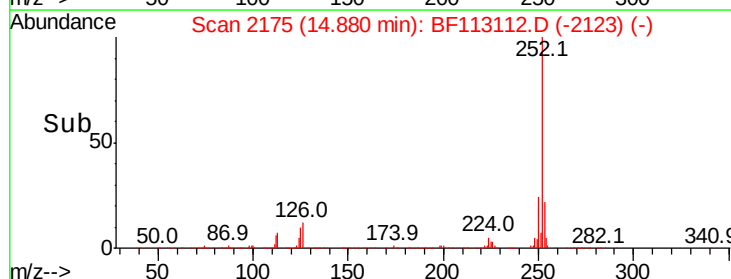
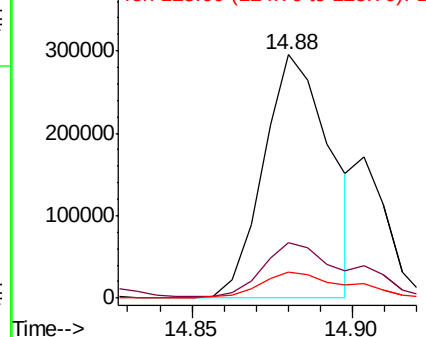
Lab File: BF113112.D

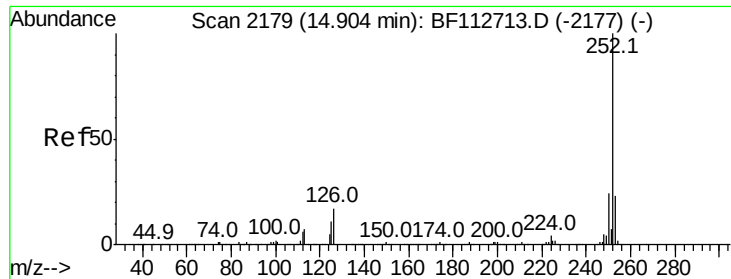
Acq: 19 Mar 2019 1:51

Tgt Ion:	252	Resp:	431592
Ion Ratio	Lower	Upper	
252	100		
253	22.6	18.0	27.0
125	10.5	10.2	15.2



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





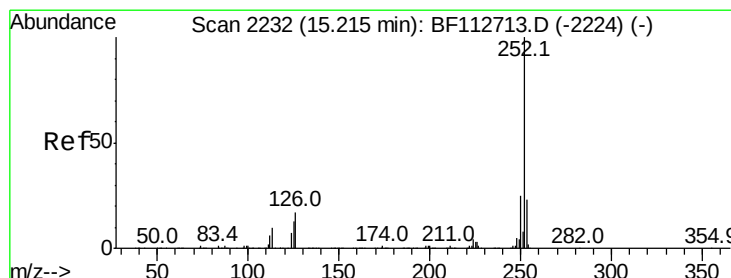
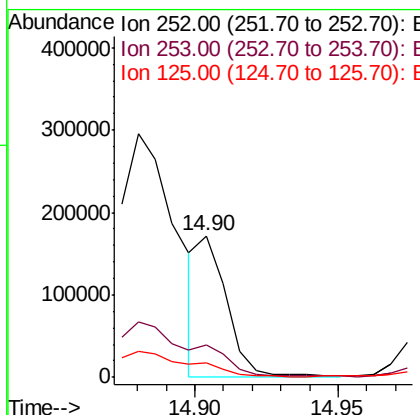
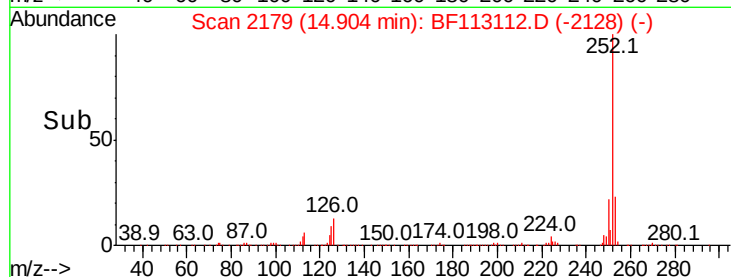
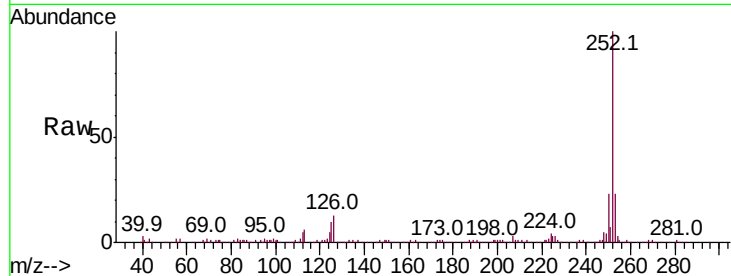
#89
Benzo(k)fluoranthene
Concen: 18.282 ng m
RT: 14.90 min Scan# 2179
Delta R.T. 0.00 min
Lab File: BF113112.D
Acq: 19 Mar 2019 1:51

Instrument :
BNA_F
ClientSampled :
282-346DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.2	27.2
125	9.9	9.8	14.6

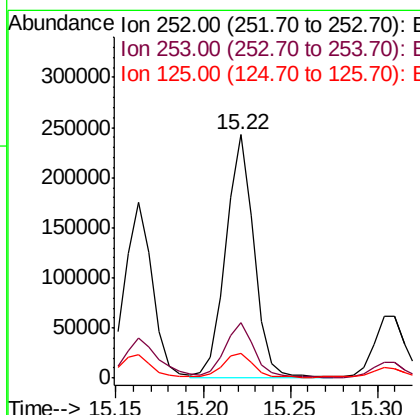
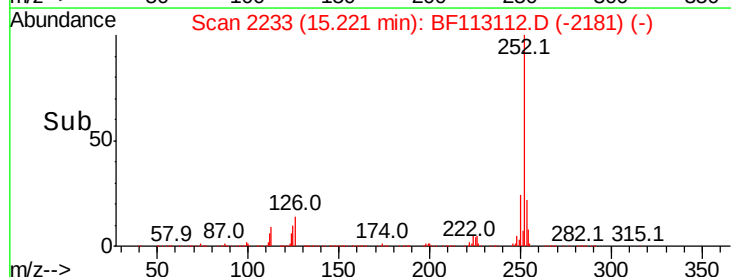
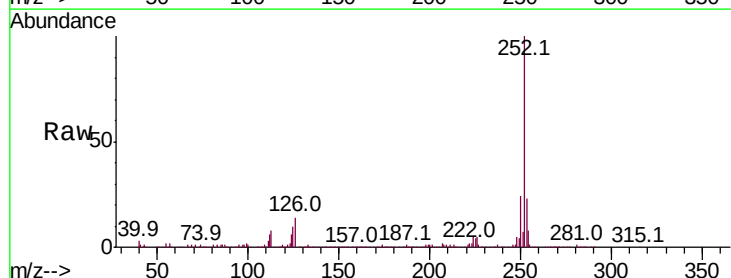
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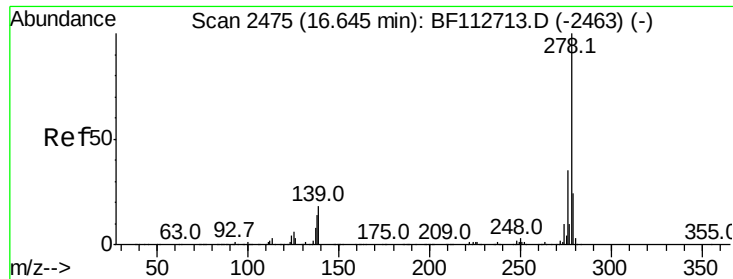
Sohil
3/19/2019 5:10:03 PM



#90
Benzo(a)pyrene
Concen: 43.056 ng m
RT: 15.22 min Scan# 2233
Delta R.T. 0.01 min
Lab File: BF113112.D
Acq: 19 Mar 2019 1:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.0	27.0
125	10.4	10.7	16.1





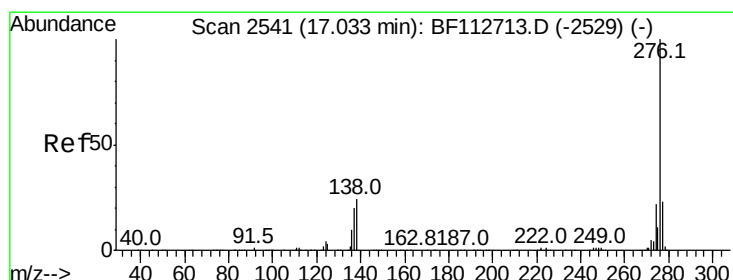
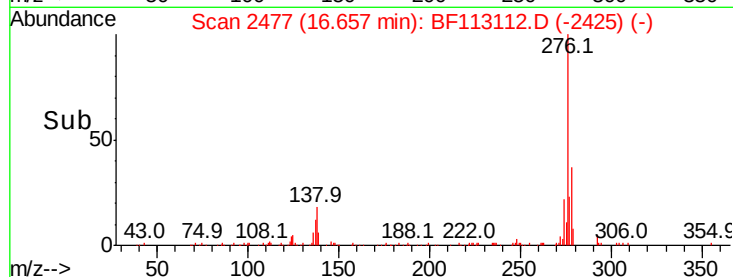
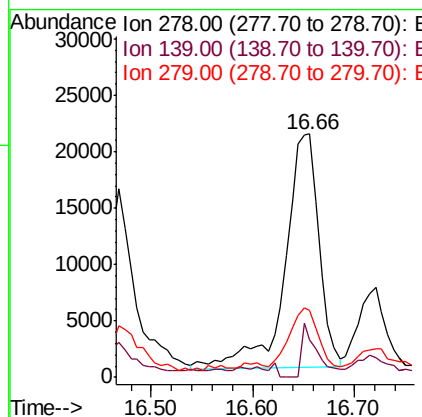
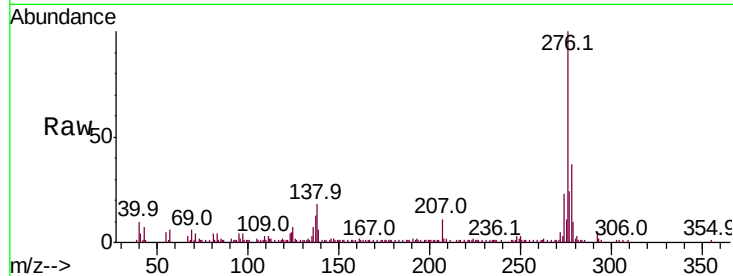
#91
Dibenzo(a,h)anthracene
Concen: 8.913 ng
RT: 16.66 min Scan# 2477
Delta R.T. 0.01 min
Lab File: BF113112.D
Acq: 19 Mar 2019 1:51

Instrument :
BNA_F
ClientSampled :
282-346DL

Tot Ion:278	Resp:	48711
Ion Ratio	Lower	Upper
278	100	
139	15.5	14.3 21.5
279	27.4	19.4 29.0

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 30.884 ng m
RT: 17.06 min Scan# 2545
Delta R.T. 0.01 min
Lab File: BF113112.D
Acq: 19 Mar 2019 1:51

Tgt Ion:276	Resp:	169493
Ion Ratio	Lower	Upper
276	100	
277	23.4	18.6 27.8
138	19.0	19.4 29.0#

