

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031919\
 Data File : BF113146.D
 Acq On : 20 Mar 2019 1:41
 Operator : JU/SJ
 Sample : K1933-07 10X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-7

Manual Integrations
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 3/20/2019 6:51:29 PM

Quant Time: Mar 20 07:23:02 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	6.72	152	168669	20.00	ng	-0.01
21) Naphthalene-d8	8.00	136	650777	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	314890	20.00	ng	-0.01
64) Phenanthrene-d10	11.23	188	568101	20.00	ng	-0.01
76) Chrysene-d12	13.86	240	415557	20.00	ng	0.00
87) Perylene-d12	15.27	264	351342	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	135048	12.45	ng	-0.01
7) Phenol-d6	6.36	99	186016	13.66	ng	-0.01
23) Nitrobenzene-d5	7.28	82	100442	9.24	ng	-0.02
42) 2,4,6-Tribromophenol	10.54	330	47394	14.18	ng	-0.01
45) 2-Fluorobiphenyl	9.08	172	202000	7.30	ng	-0.01
79) Terphenyl-d14	12.82	244	172008	8.02	ng	0.00
Target Compounds						
71) Phenanthrene	11.26	178	248379	8.787	ng	98
72) Anthracene	11.31	178	72974	2.466	ng	98
75) Fluoranthene	12.45	202	405238	13.382	ng	94
78) Pyrene	12.67	202	412824	11.784	ng	99
81) Benzo(a)anthracene	13.85	228	209483	7.273	ng	98
83) Chrysene	13.89	228	190676	6.759	ng	97
86) Indeno(1,2,3-cd)pyrene	16.63	276	84763	3.524	ng	95
88) Benzo(b)fluoranthene	14.87	252	215185m	9.469	ng	
89) Benzo(k)fluoranthene	14.90	252	64741m	3.145	ng	
90) Benzo(a)pyrene	15.22	252	148006	7.363	ng	97
92) Benzo(g,h,i)perylene	17.04	276	83597	4.854	ng	95

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

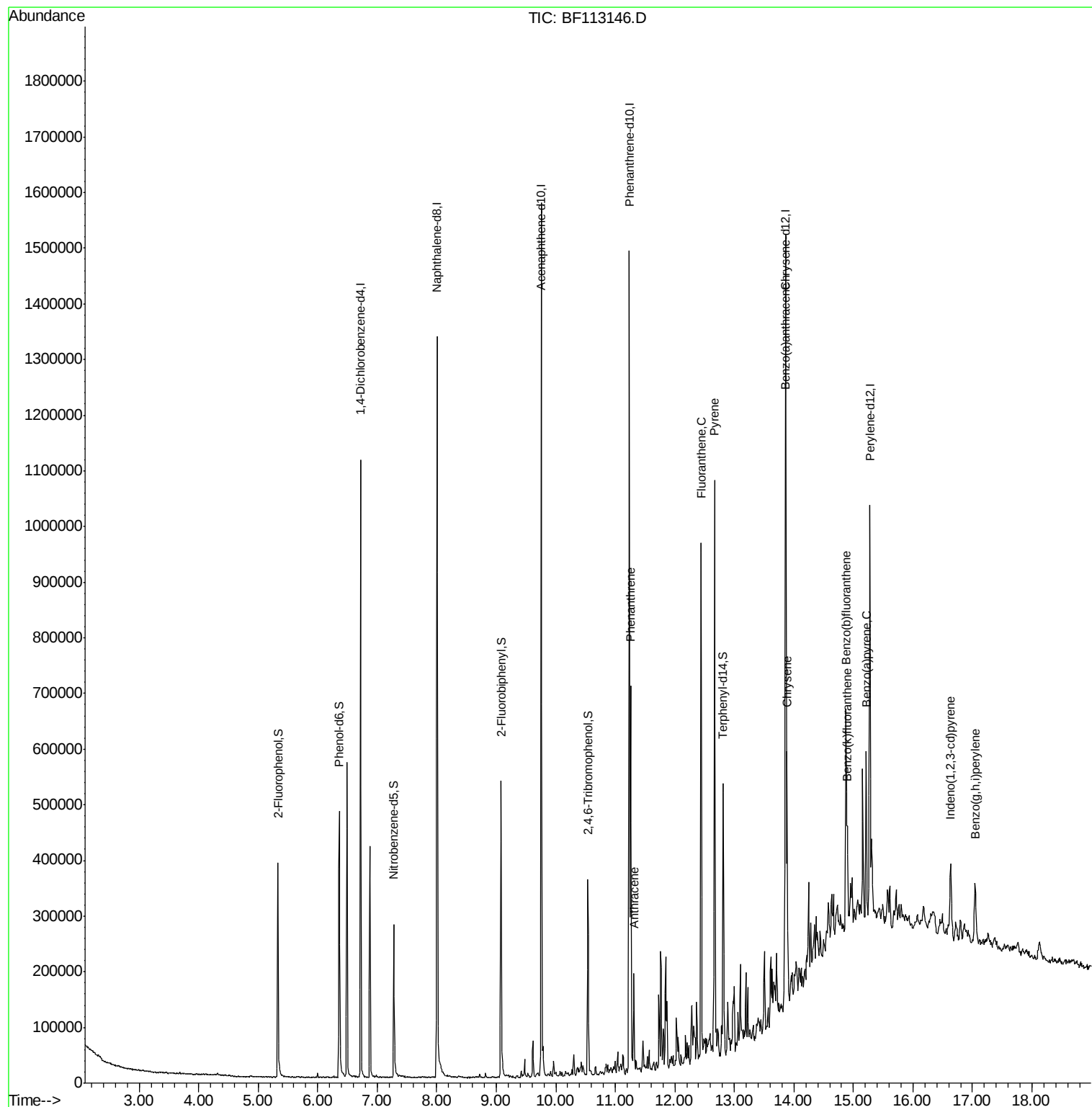
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031919\
Data File : BF113146.D
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#1

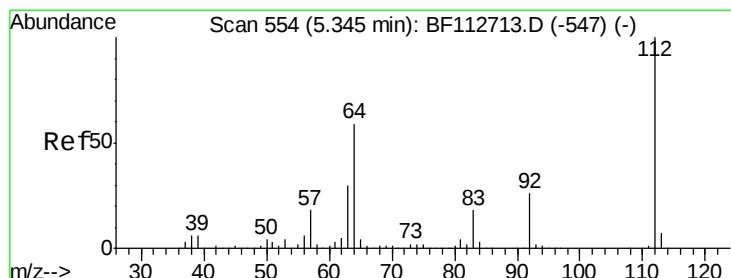
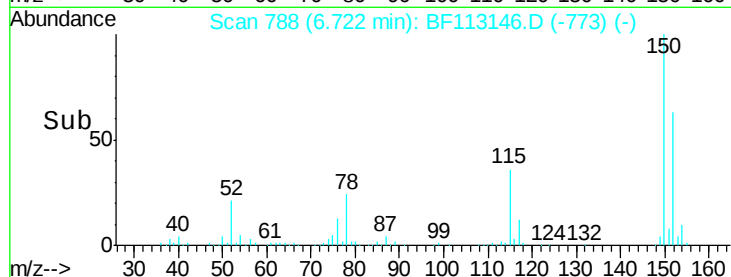
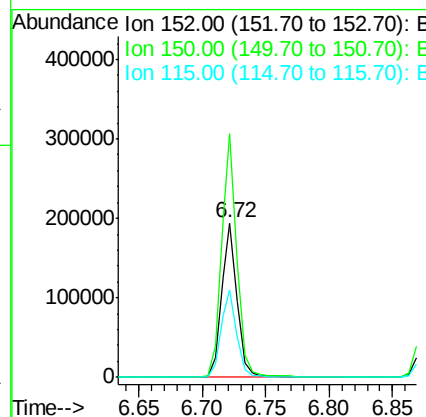
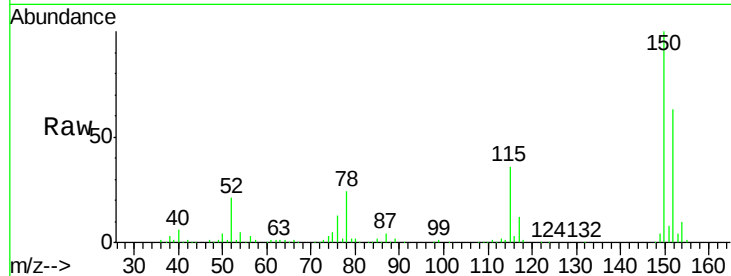
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF113146.D
Acq: 20 Mar 2019 1:41

Instrument :
BNA_F
ClientSampled :
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Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.5	124.2	186.2
115	56.6	48.2	72.4

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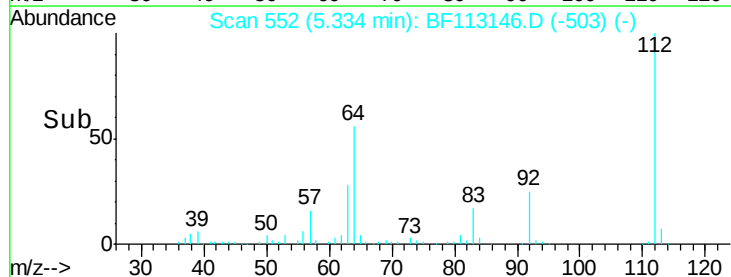
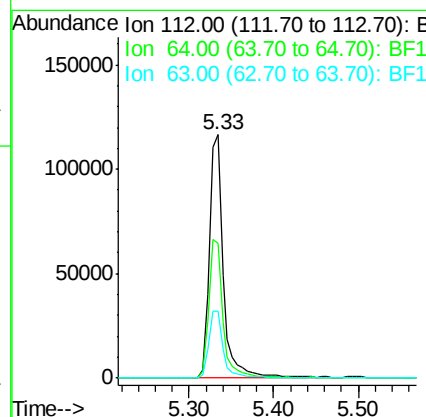
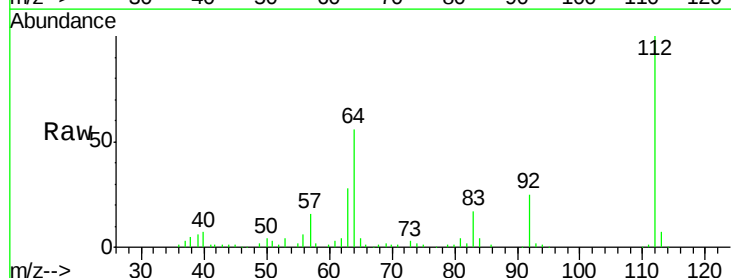
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#5

2-Fluorophenol
Concen: 12.455 ng
RT: 5.33 min Scan# 552
Delta R.T. -0.01 min
Lab File: BF113146.D
Acq: 20 Mar 2019 1:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.5	47.6	71.4
63	27.6	24.4	36.6





#7

Phenol-d6

Concen: 13.657 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF113146.D

Acq: 20 Mar 2019 1:41

Instrument :

BNA_F

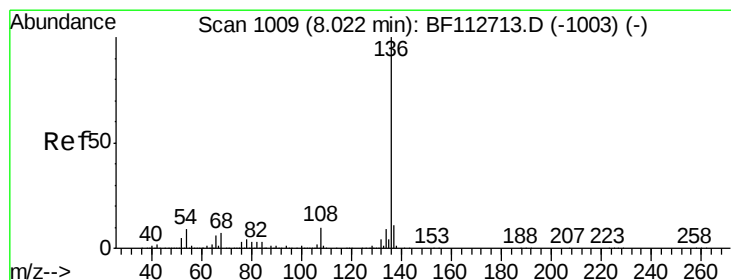
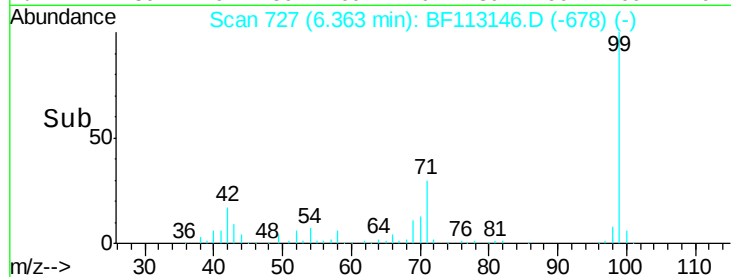
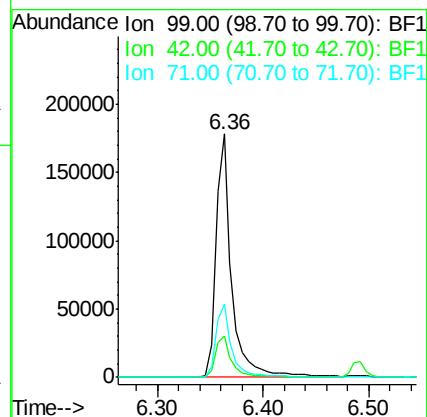
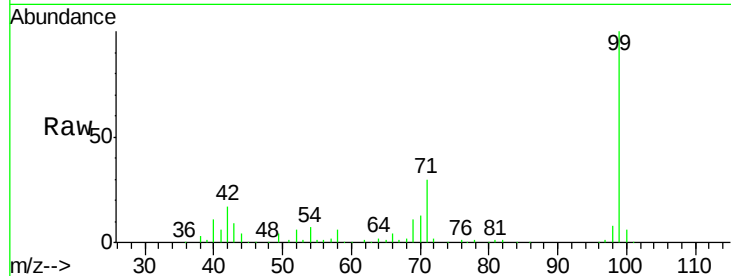
ClientSampleId :

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Tgt Ion:	99	Resp:	186016
Ion Ratio	Lower	Upper	
99	100		
42	17.0	16.3	24.5
71	30.3	26.2	39.4

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#21

Naphthalene-d8

Concen: 20.000 ng

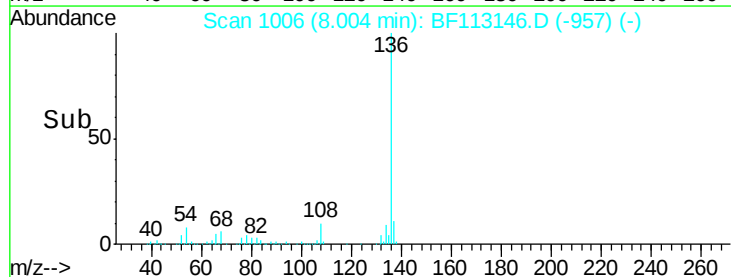
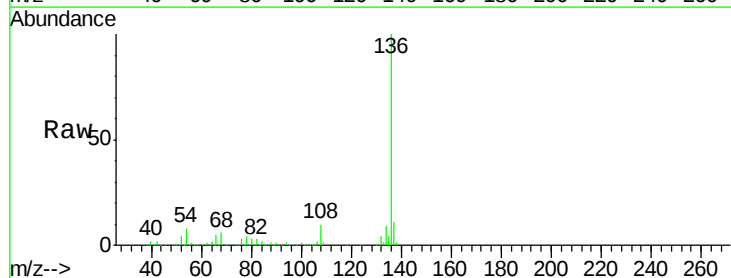
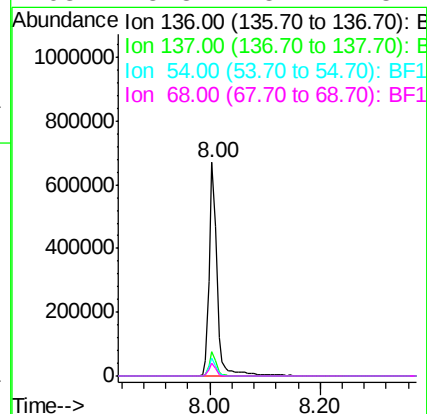
RT: 8.00 min Scan# 1006

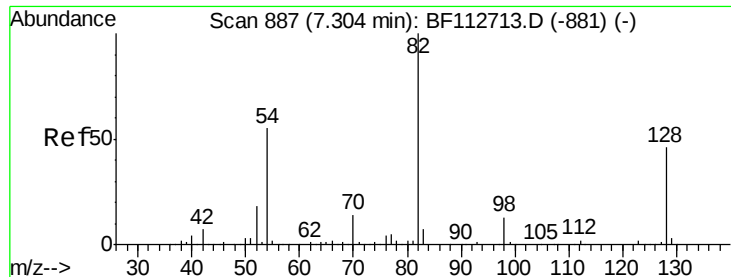
Delta R.T. -0.01 min

Lab File: BF113146.D

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Tgt Ion:	136	Resp:	650777
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.9	13.3
54	8.4	7.3	10.9
68	5.8	5.4	8.2





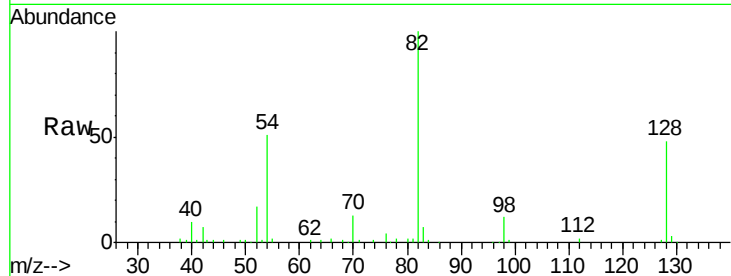
#23
Nitrobenzene-d5
Concen: 9.235 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF113146.D
Acq: 20 Mar 2019 1:41

Instrument :
BNA_F
ClientSampleId :
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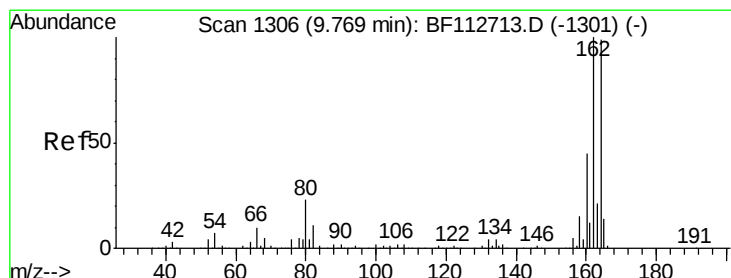
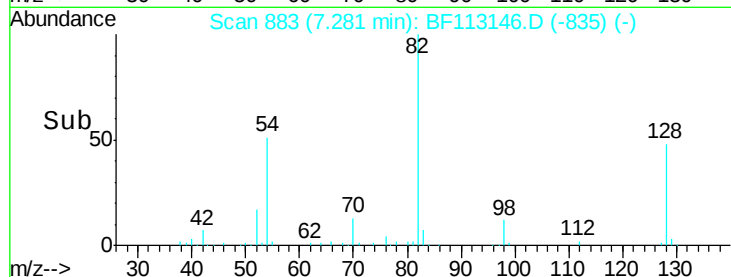
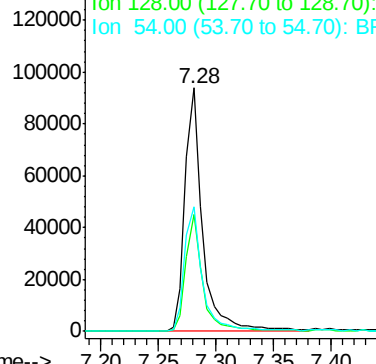
Tgt Ion	Ratio	Lower	Upper
82	100		
128	47.9	36.3	54.5
54	50.9	43.7	65.5

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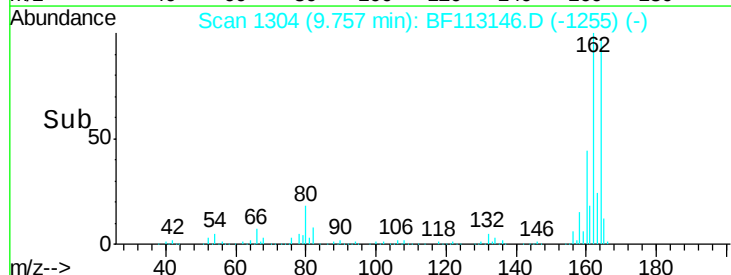
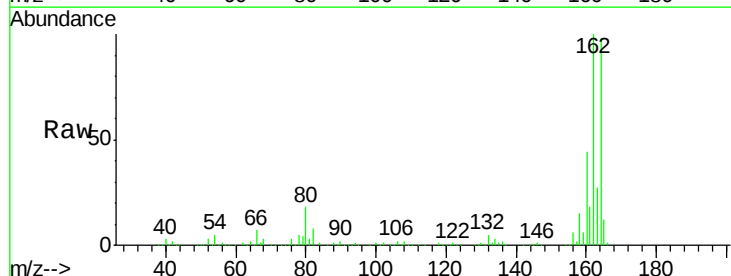
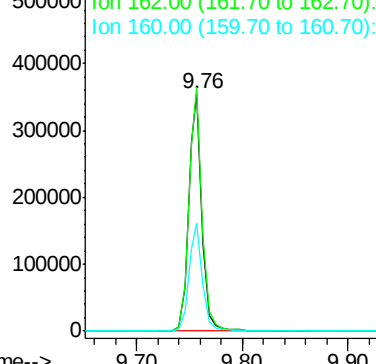
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF1

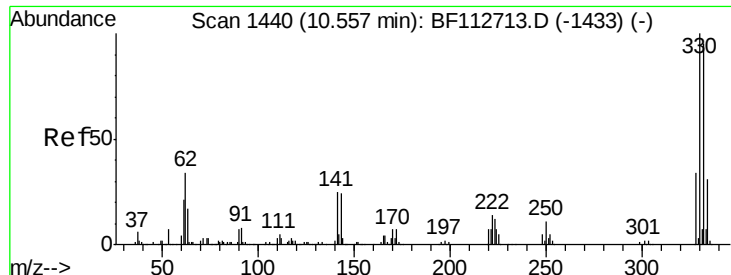


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF113146.D
Acq: 20 Mar 2019 1:41

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.4	80.6	120.8
160	45.6	36.0	54.0

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





#42

2,4,6-Tribromophenol

Concen: 14.177 ng

RT: 10.54 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BF113146.D

Acq: 20 Mar 2019 1:41

Instrument :

BNA_F

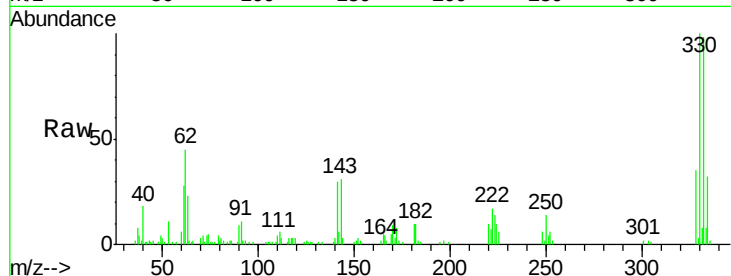
ClientSampleId :

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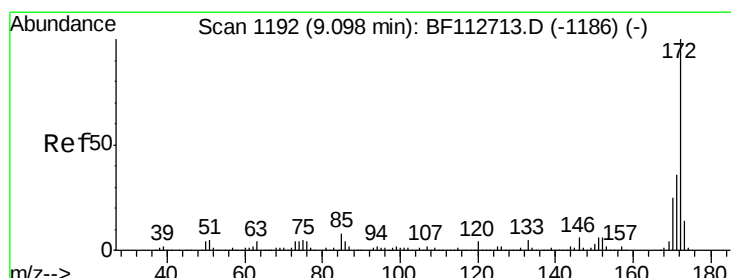
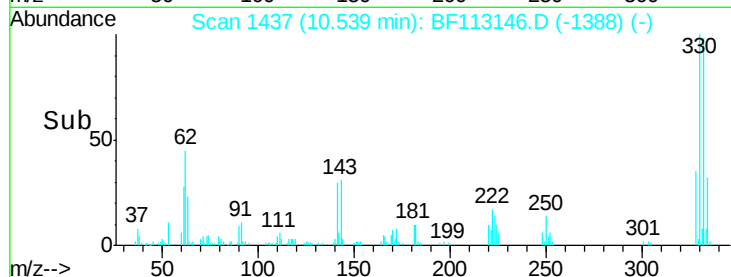
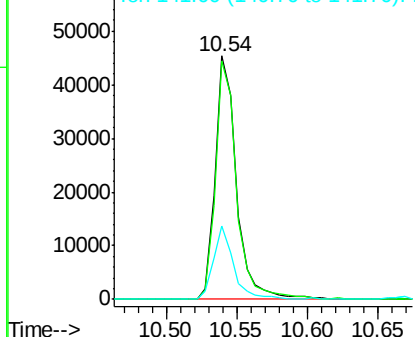
Tgt Ion:	330	Resp:	47394
Ion Ratio	Lower	Upper	
330	100		
332	97.4	76.2	114.4
141	28.3	27.0	40.6

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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: 7.296 ng

RT: 9.08 min Scan# 1189

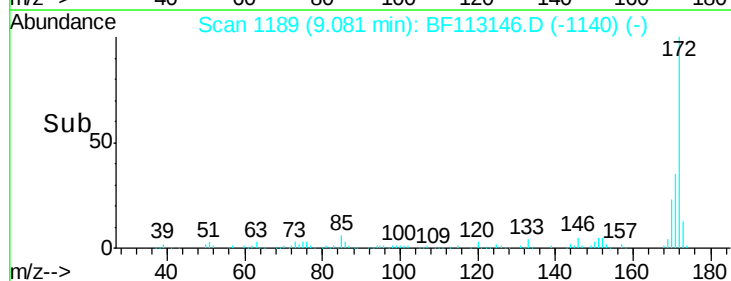
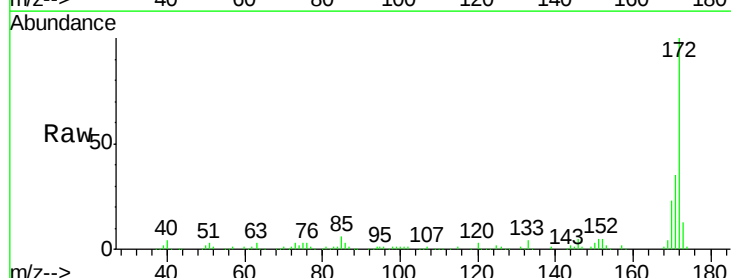
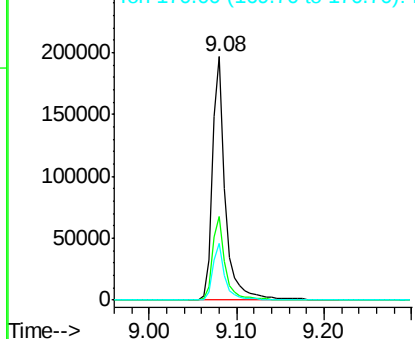
Delta R.T. -0.01 min

Lab File: BF113146.D

Acq: 20 Mar 2019 1:41

Tgt Ion:	172	Resp:	202000
Ion Ratio	Lower	Upper	
172	100		
171	34.5	29.0	43.4
170	23.2	20.0	30.0

Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





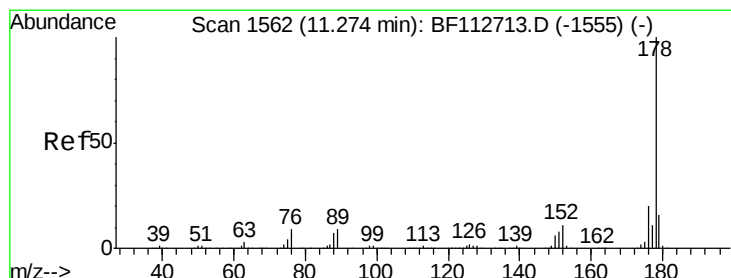
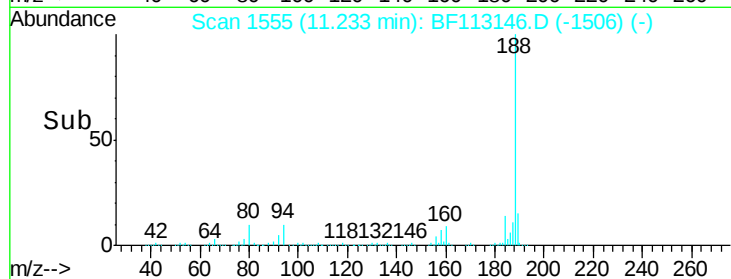
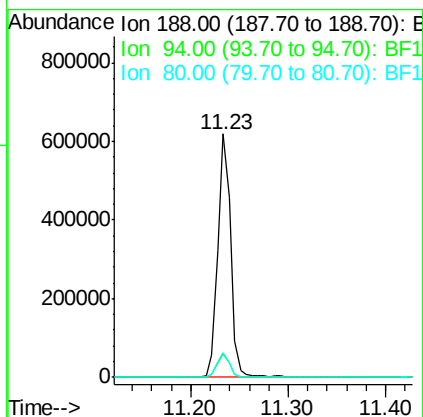
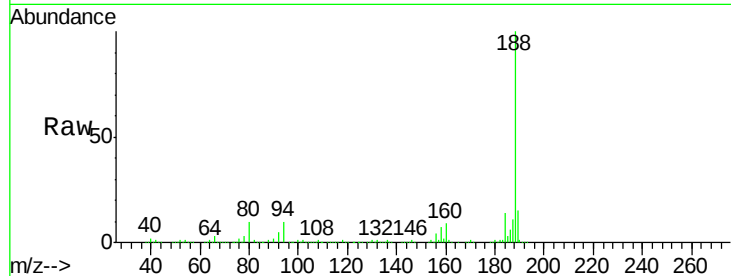
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF113146.D
Acq: 20 Mar 2019 1:41

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.8	9.0	13.4
80	10.2	9.2	13.8

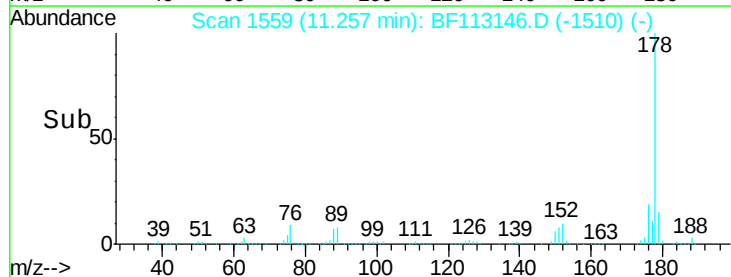
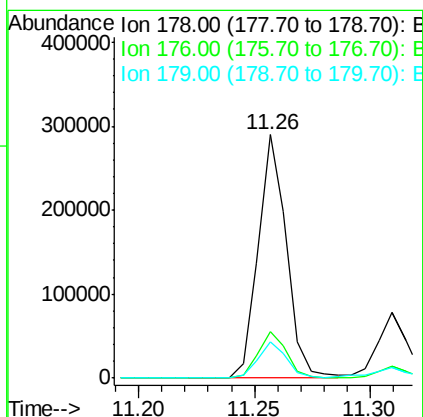
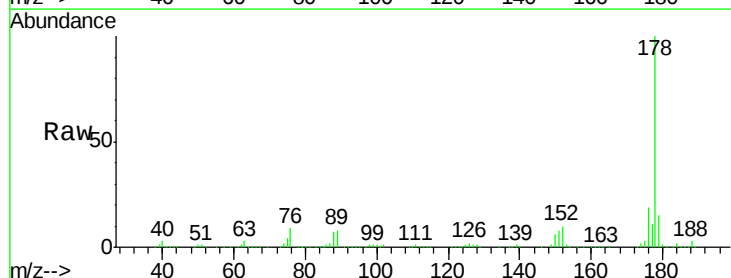
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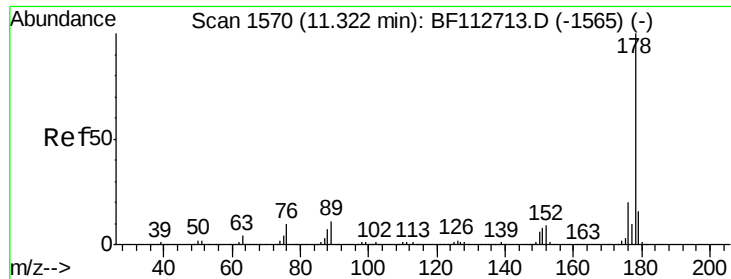
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#71
Phenanthrene
Concen: 8.787 ng
RT: 11.26 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF113146.D
Acq: 20 Mar 2019 1:41

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.3	16.3	24.5
179	15.0	12.7	19.1





#72

Anthracene

Concen: 2.466 ng

RT: 11.31 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF113146.D

Acq: 20 Mar 2019 1:41

Instrument :

BNA_F

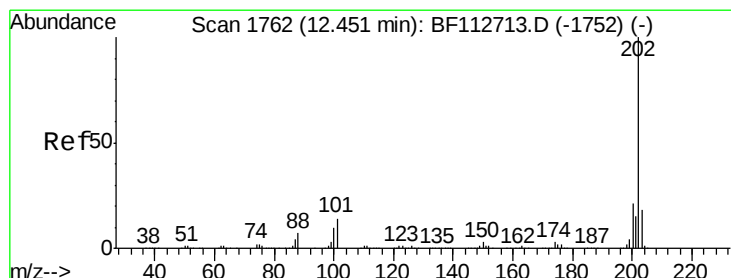
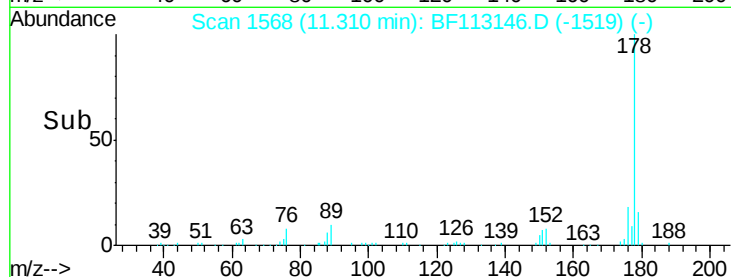
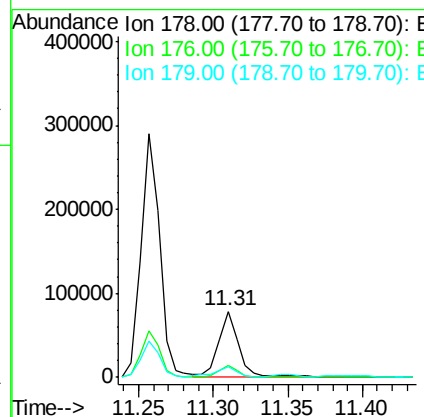
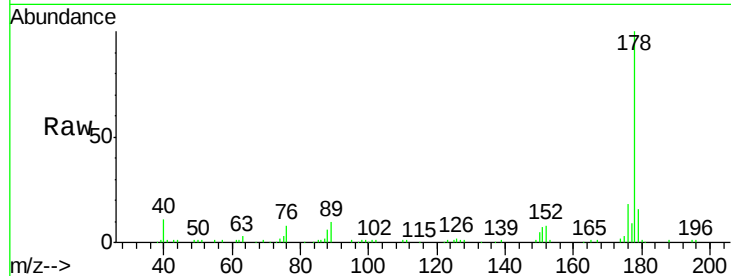
ClientSampleId :

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Tgt Ion:	178	Resp:	72974
Ion Ratio	Lower	Upper	
178	100		
176	18.5	15.8	23.6
179	15.5	13.0	19.6

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#75

Fluoranthene

Concen: 13.382 ng

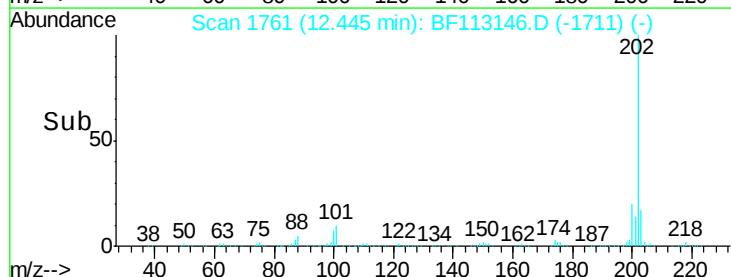
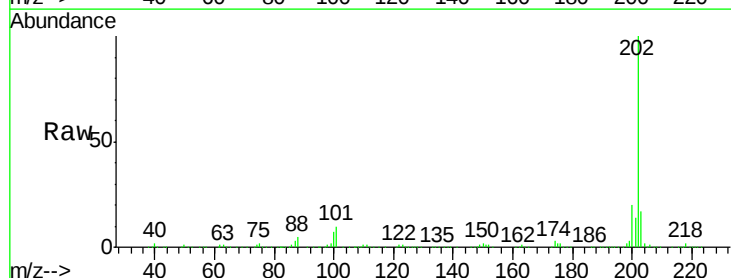
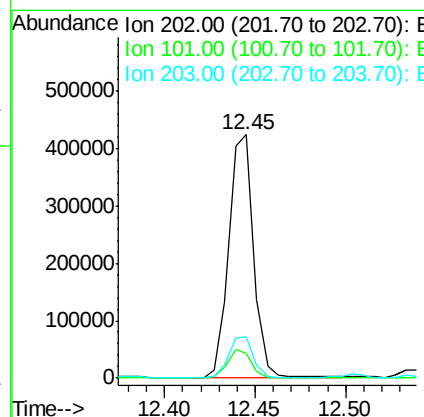
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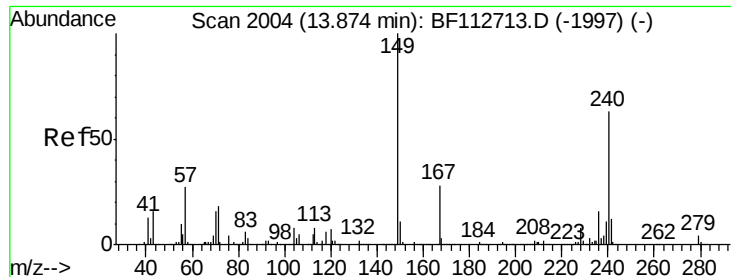
Delta R.T. -0.01 min

Lab File: BF113146.D

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Tgt Ion:	202	Resp:	405238
Ion Ratio	Lower	Upper	
202	100		
101	10.1	0.0	33.8
203	17.0	0.0	38.4





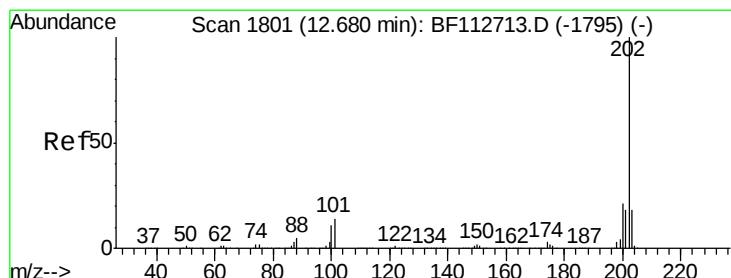
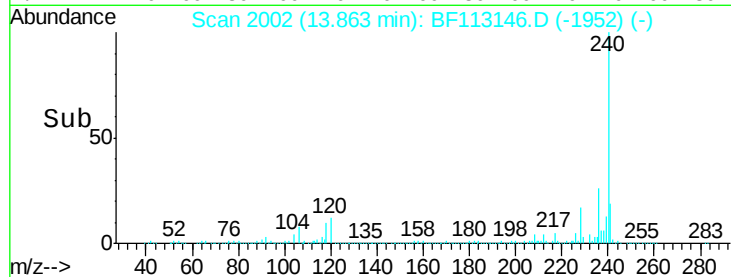
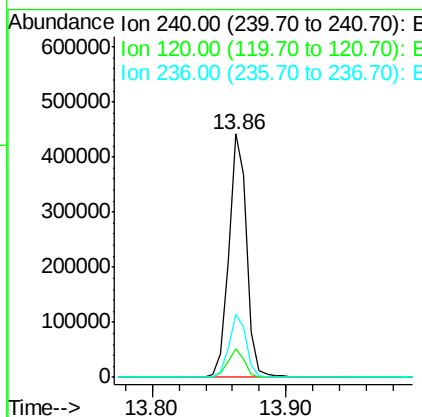
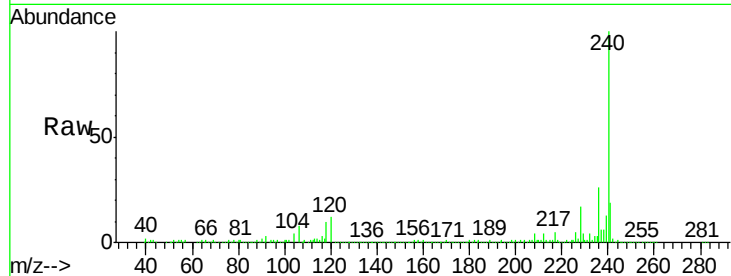
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF113146.D
Acq: 20 Mar 2019 1:41

Instrument :
BNA_F
ClientSampled :
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Tgt Ion	Ratio	Resp	Lower	Upper
240	100	415557		
120	11.7	8.9	13.3	
236	25.9	20.7	31.1	

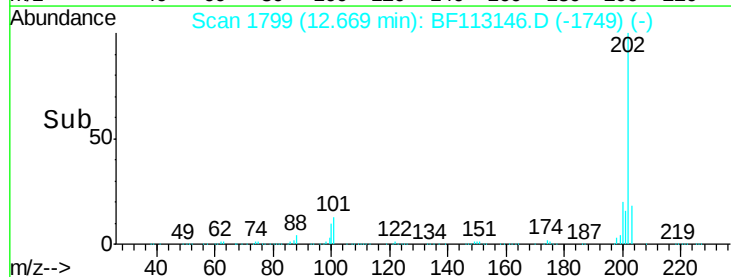
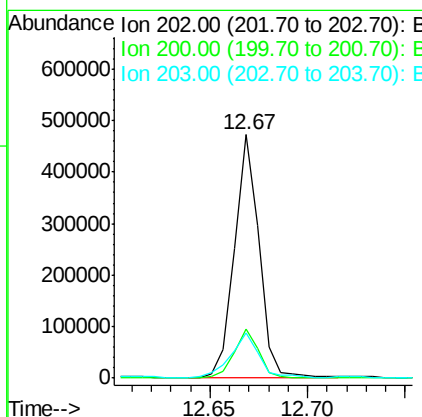
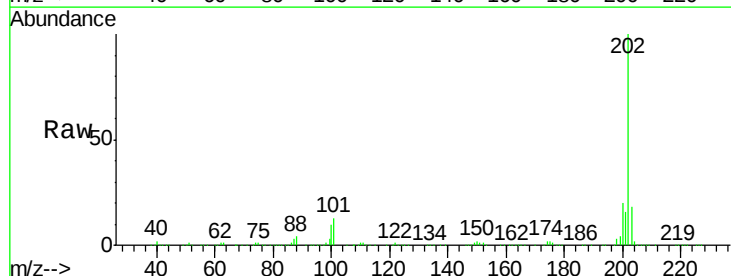
Manual Integrations
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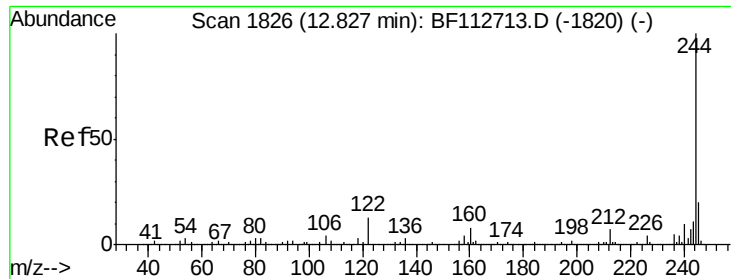
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#78
Pyrene
Concen: 11.784 ng
RT: 12.67 min Scan# 1799
Delta R.T. -0.01 min
Lab File: BF113146.D
Acq: 20 Mar 2019 1:41

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	412824		
200	20.3	17.0	25.4	
203	18.4	14.4	21.6	





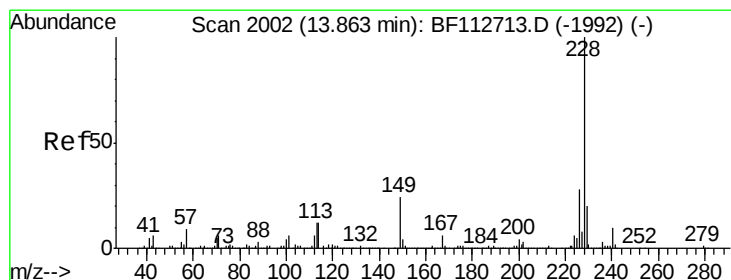
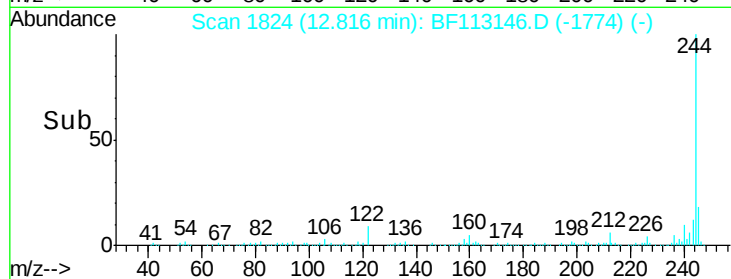
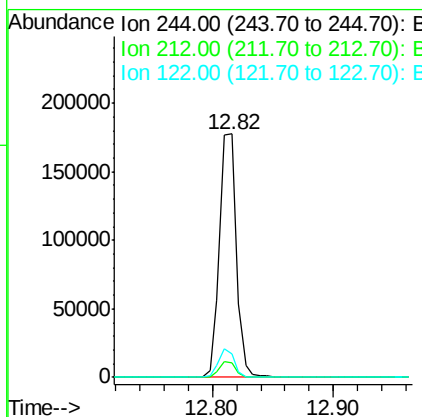
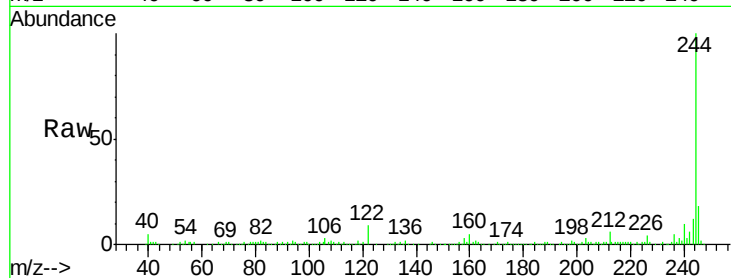
#79
 Terphenyl-d14
 Concen: 8.024 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.01 min
 Lab File: BF113146.D
 Acq: 20 Mar 2019 1:41

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.0	5.6	8.4
122	9.5	10.5	15.7#

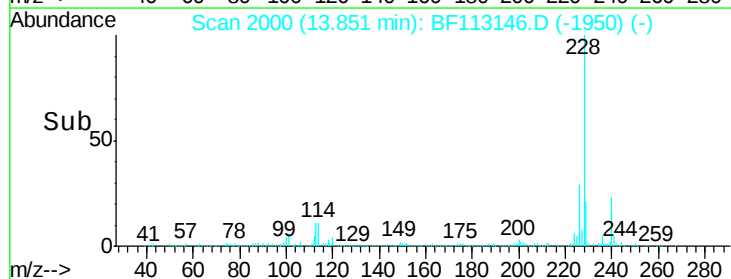
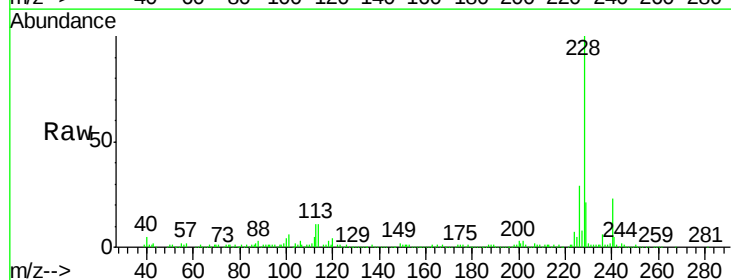
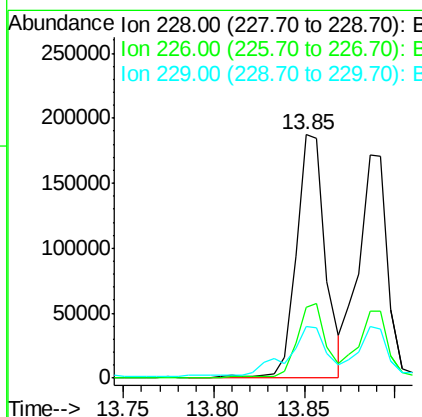
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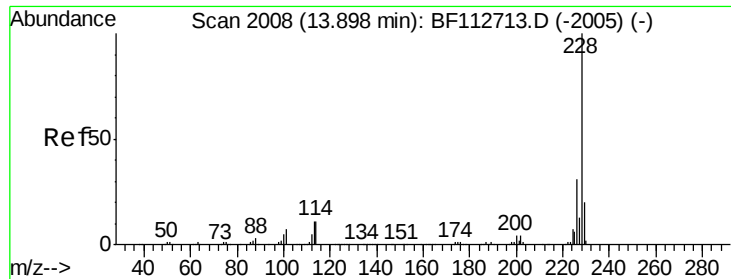
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#81
 Benzo(a)anthracene
 Concen: 7.273 ng
 RT: 13.85 min Scan# 2000
 Delta R.T. -0.01 min
 Lab File: BF113146.D
 Acq: 20 Mar 2019 1:41

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	28.9	22.2	33.4
229	21.1	16.0	24.0





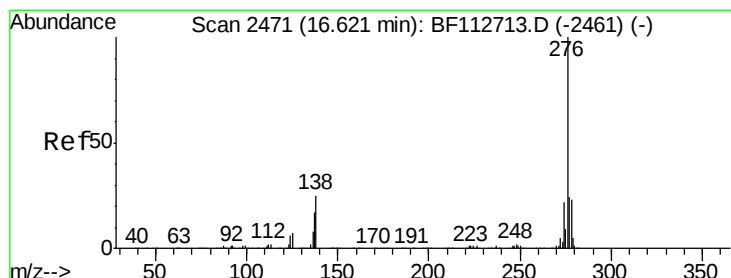
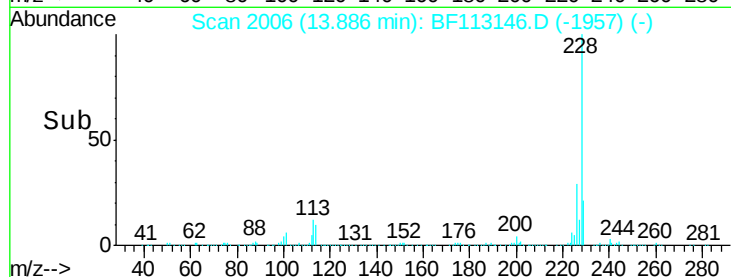
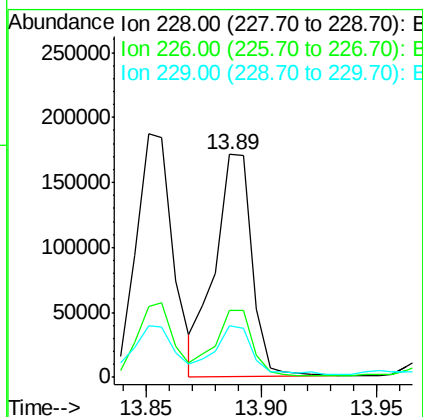
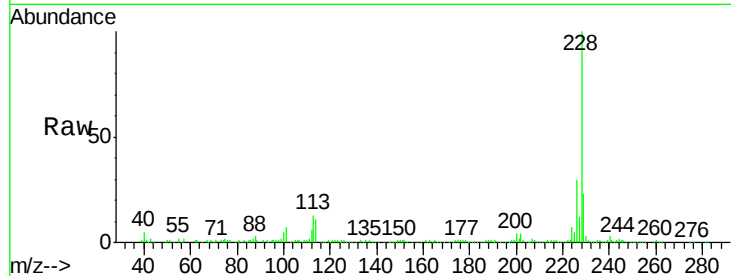
#83
Chrysene
Concen: 6.759 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF113146.D
Acq: 20 Mar 2019 1:41

Instrument :
BNA_F
ClientSampled :
S-7

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	190676		
226	30.1	24.9	37.3	
229	23.0	16.3	24.5	

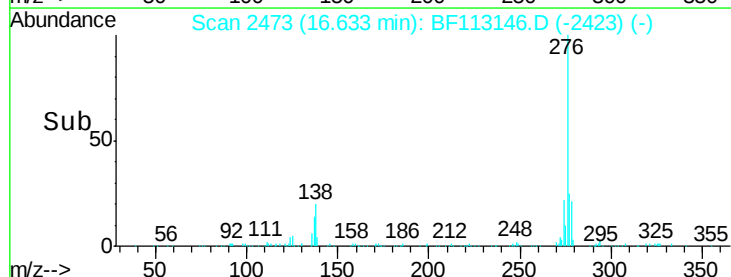
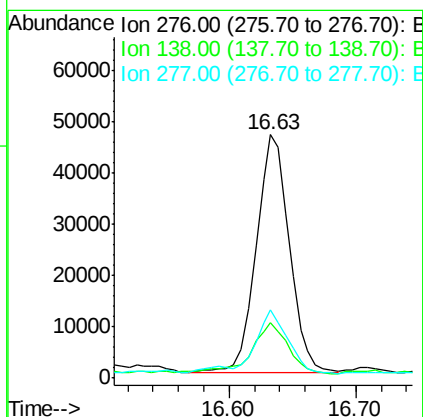
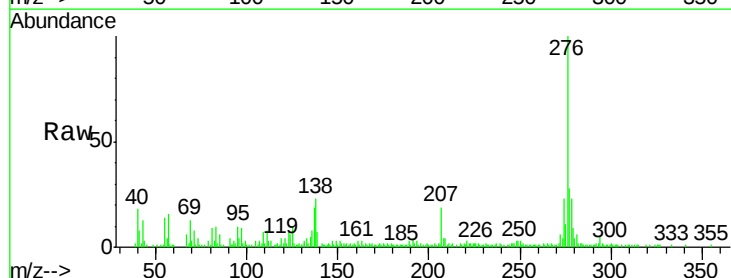
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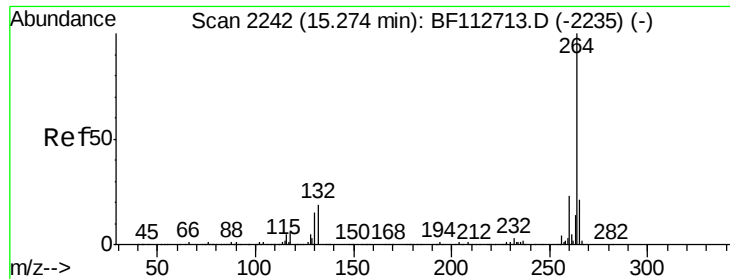
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#86
Indeno(1,2,3-cd)pyrene
Concen: 3.524 ng
RT: 16.63 min Scan# 2473
Delta R.T. -0.01 min
Lab File: BF113146.D
Acq: 20 Mar 2019 1:41

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	84763		
138	24.3	23.2	34.8	
277	24.7	19.9	29.9	





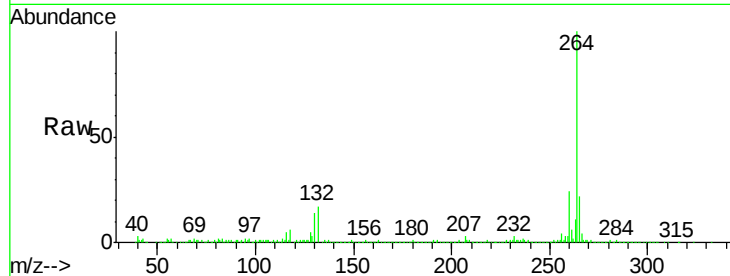
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2242
Delta R.T. -0.00 min
Lab File: BF113146.D
Acq: 20 Mar 2019 1:41

Instrument :
BNA_F
ClientSampled :
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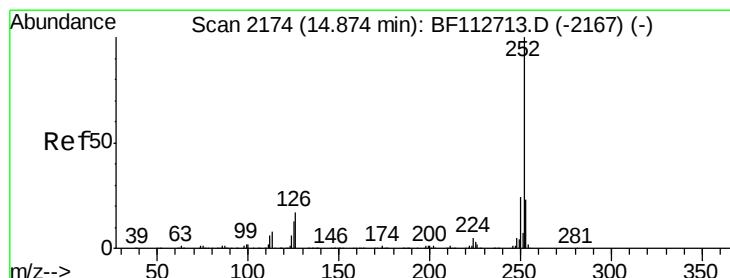
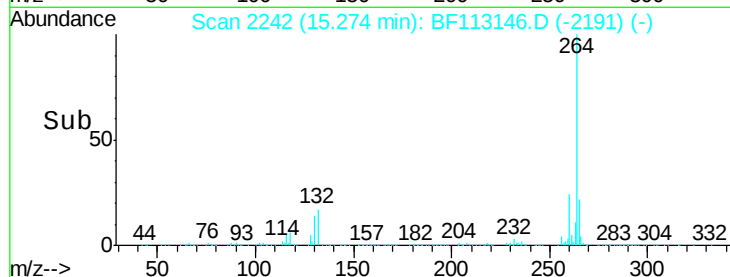
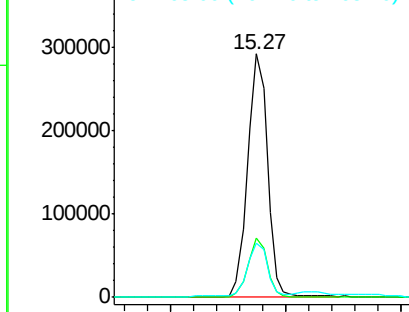
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	18.7	28.1
265	22.3	17.2	25.8

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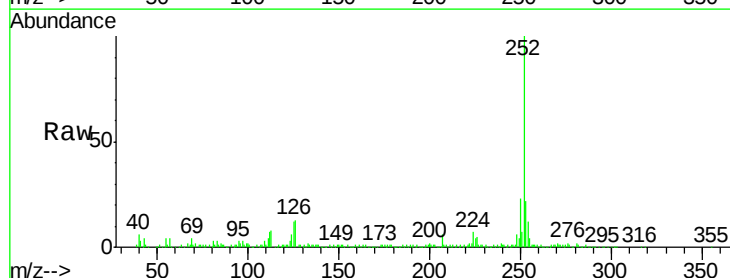


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

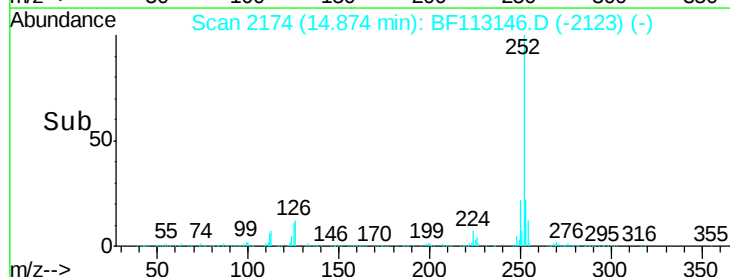
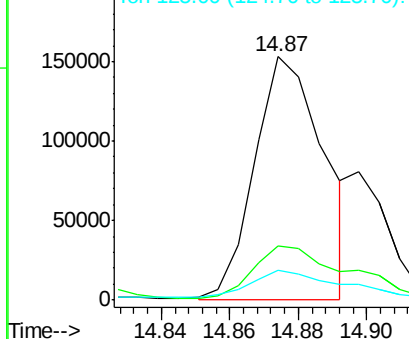


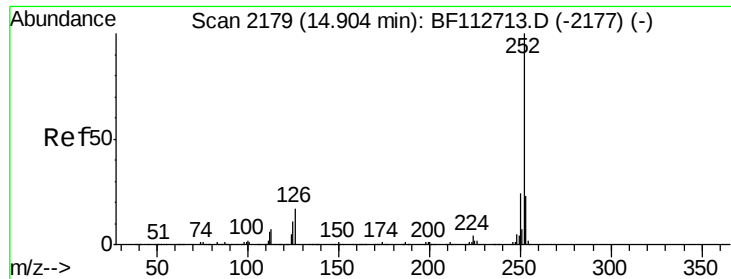
#88
Benzo(b)fluoranthene
Concen: 9.469 ng m
RT: 14.87 min Scan# 2174
Delta R.T. -0.00 min
Lab File: BF113146.D
Acq: 20 Mar 2019 1:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.0	27.0
125	12.2	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: 3.145 ng m

RT: 14.90 min Scan# 2178

Delta R.T. -0.01 min

Lab File: BF113146.D

Acq: 20 Mar 2019 1:41

Instrument :

BNA_F

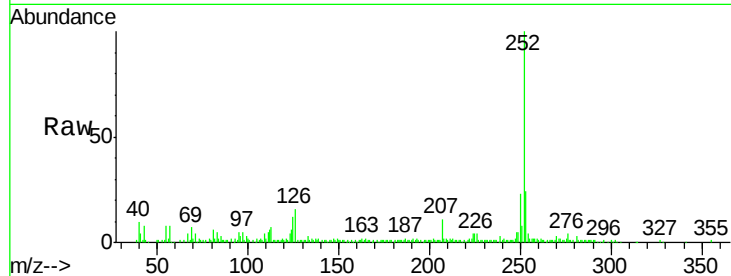
ClientSampled :

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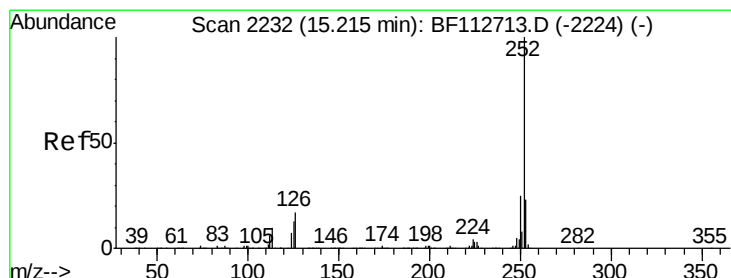
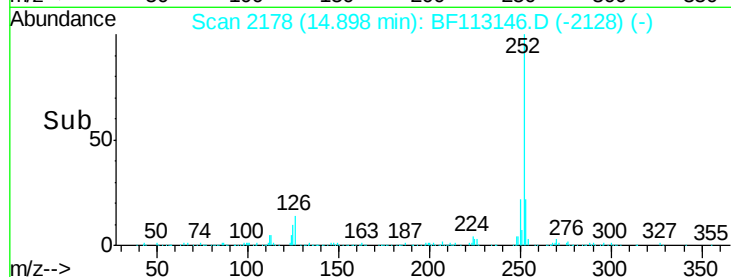
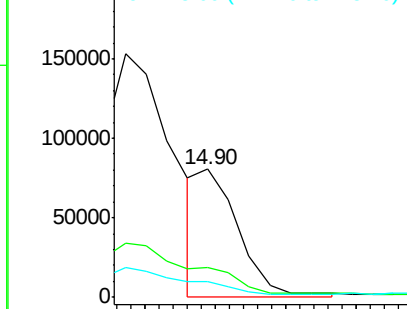
Tgt Ion:	252	Resp:	64741
Ion Ratio	Lower	Upper	
252	100		
253	23.6	18.2	27.2
125	12.4	9.8	14.6

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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: 7.363 ng

RT: 15.22 min Scan# 2232

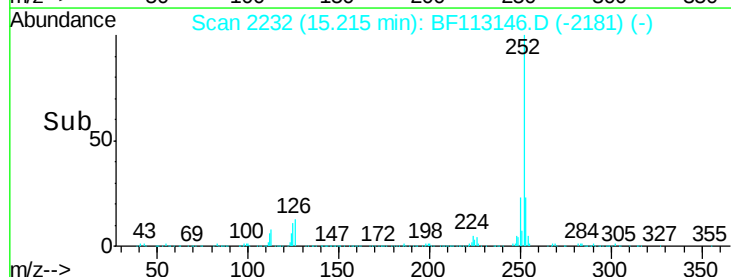
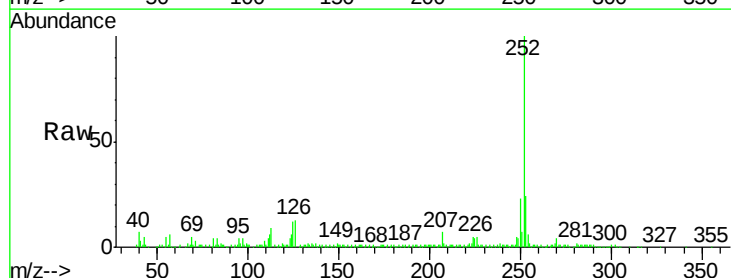
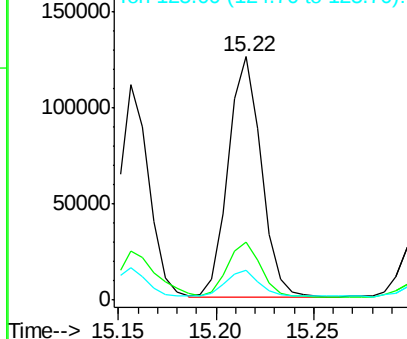
Delta R.T. -0.00 min

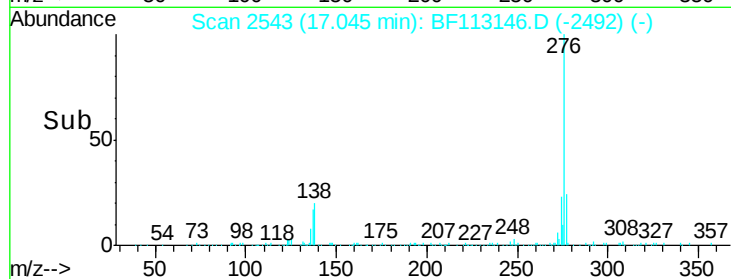
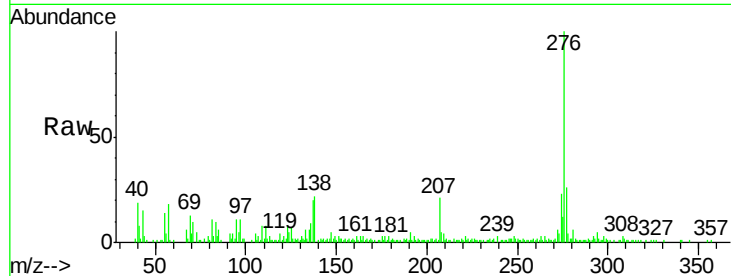
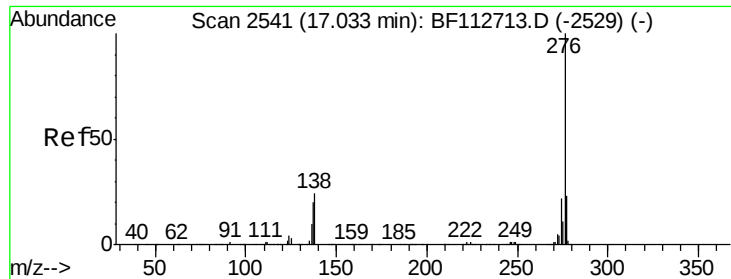
Lab File: BF113146.D

Acq: 20 Mar 2019 1:41

Tgt Ion:	252	Resp:	148006
Ion Ratio	Lower	Upper	
252	100		
253	23.7	18.0	27.0
125	12.0	10.7	16.1

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





#92

Benzo(g,h,i)perylene

Concen: 4.854 ng

RT: 17.04 min Scan# 2543

Delta R.T. -0.00 min

Lab File: BF113146.D

Acq: 20 Mar 2019 1:41

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion:	276	Resp:	83597
Ion Ratio	Lower	Upper	
276	100		
277	25.9	18.6	27.8
138	22.1	19.4	29.0

Manual Integrations
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