

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
 Data File : BF113873.D
 Acq On : 19 Apr 2019 21:40
 Operator : JU/SJ
 Sample : K2483-01 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 30134-39

Manual Integrations
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Quant Time: Apr 22 10:17:01 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 18 13:55:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	157346	20.00	ng	0.00
21) Naphthalene-d8	8.19	136	539324	20.00	ng	0.00
39) Acenaphthene-d10	9.94	164	244602	20.00	ng	0.00
64) Phenanthrene-d10	11.43	188	500509	20.00	ng	0.02
76) Chrysene-d12	14.41	240	367165m	20.00	ng	0.36
87) Perylene-d12	16.24	264	307064m	20.00	ng	0.74

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	267254	28.24	ng	0.00
7) Phenol-d6	6.52	99	332287	28.16	ng	0.00
23) Nitrobenzene-d5	7.45	82	156864	17.71	ng	0.00
42) 2,4,6-Tribromophenol	10.73	330	82659	30.59	ng	0.01
45) 2-Fluorobiphenyl	9.26	172	350104	21.83	ng	0.00
79) Terphenyl-d14	13.13	244	439630	25.11	ng	0.13

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
58) Fluorene	10.49	166	40020	2.576	ng	98
71) Phenanthrene	11.46	178	242930	9.530	ng	98
72) Anthracene	11.51	178	89794	3.496	ng	96
74) Di-n-butylphthalate	12.01	149	110714	4.265	ng	99
75) Fluoranthene	12.71	202	433455	16.045	ng	96
78) Pyrene	12.96	202	389710	15.060	ng	99
81) Benzo(a)anthracene	14.39	228	179524m	8.364	ng	
83) Chrysene	14.44	228	164225m	7.709	ng	
84) Bis(2-ethylhexyl)phthalate	14.42	149	50466m	4.401	ng	
86) Indeno(1,2,3-cd)pyrene	17.80	276	75879m	4.363	ng	
88) Benzo(b)fluoranthene	15.76	252	185793m	9.706	ng	
89) Benzo(k)fluoranthene	15.79	252	53406m	3.063	ng	
90) Benzo(a)pyrene	16.17	252	128615m	7.599	ng	
92) Benzo(g,h,i)perylene	18.27	276	66697m	4.357	ng	

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

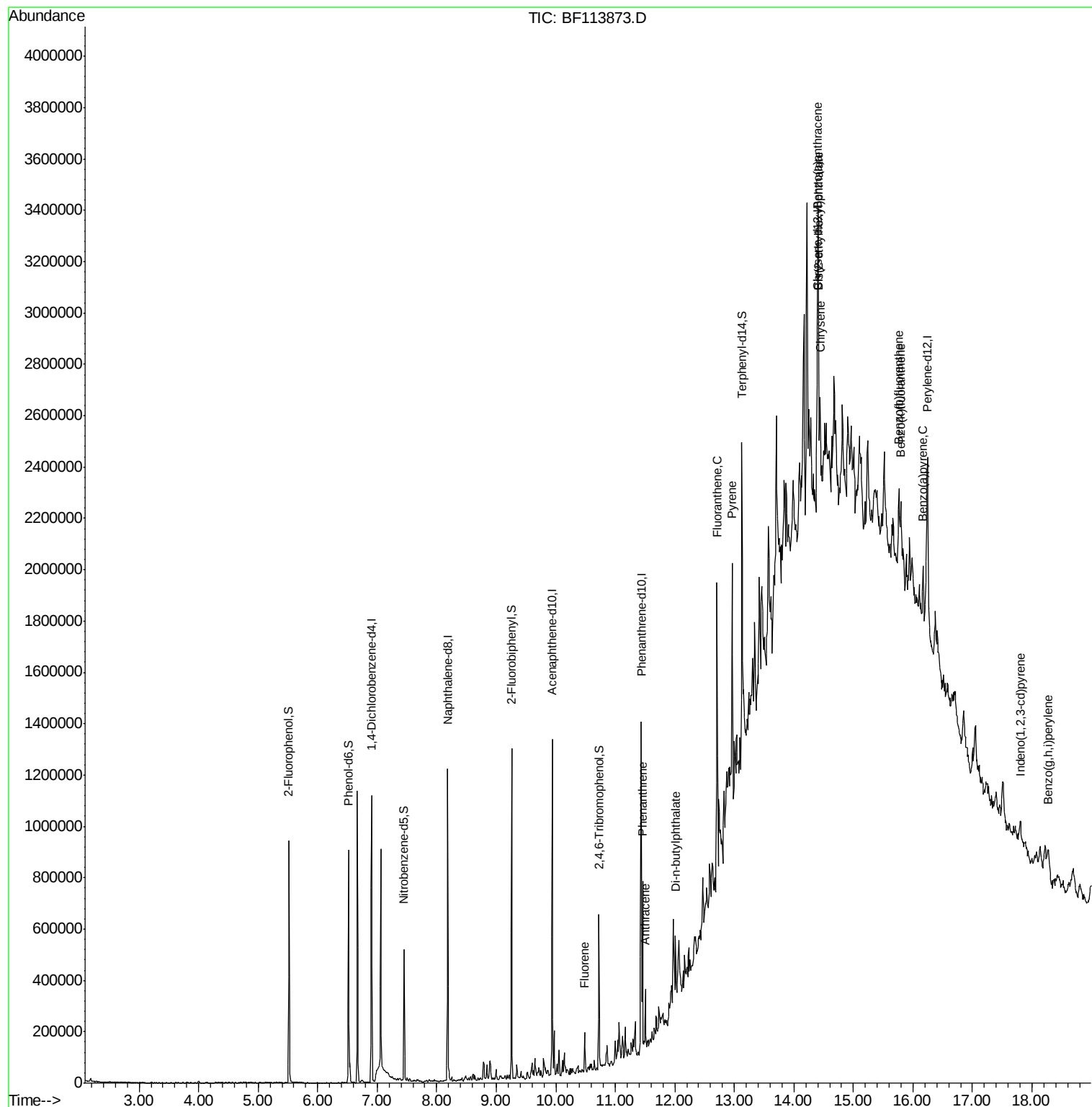
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF041919\
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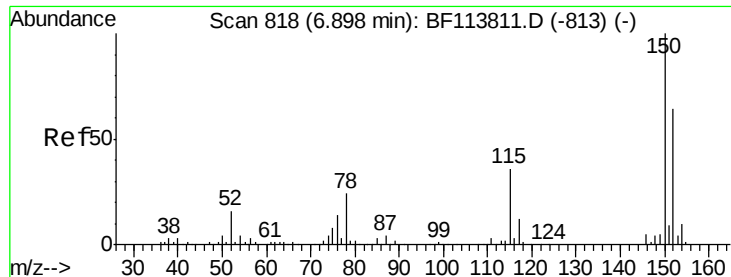
Instrument :
BNA_F
ClientSampled :
30134-39

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF041819.M
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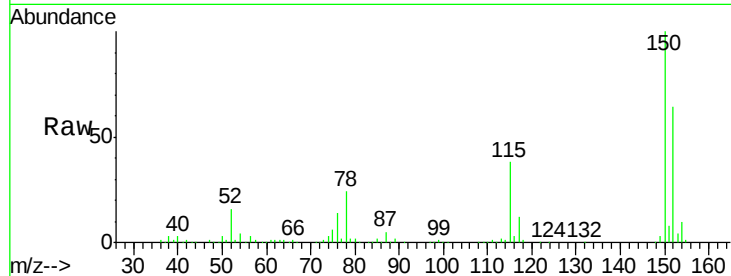
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.90 min Scan# 819
 Delta R.T. 0.01 min
 Lab File: BF113873.D
 Acq: 19 Apr 2019 21:40

Instrument :
 BNA_F
 ClientSampleId :
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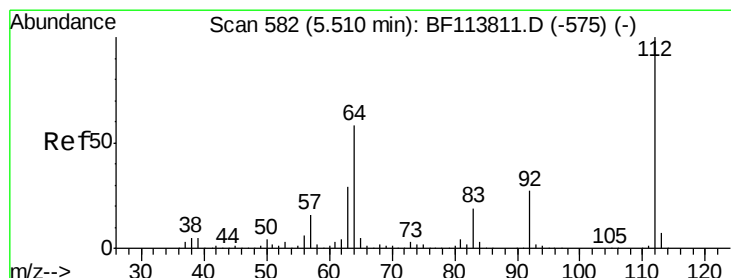
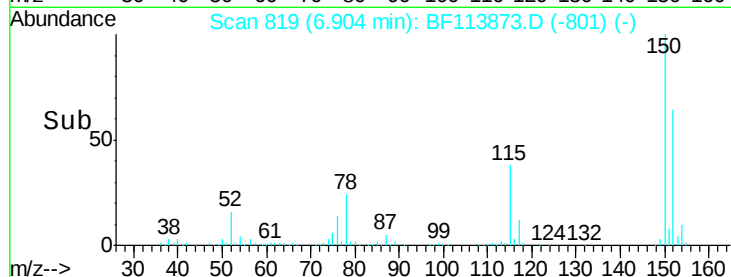
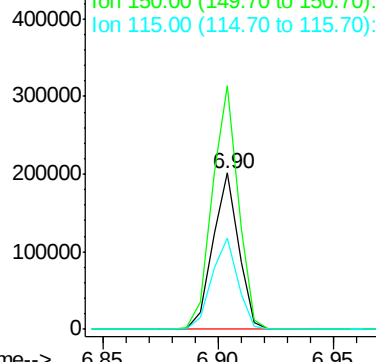
Tgt Ion	Ratio	Resp	Lower	Upper
152	100	157346		
150	156.0	125.9	188.9	
115	58.6	45.9	68.9	

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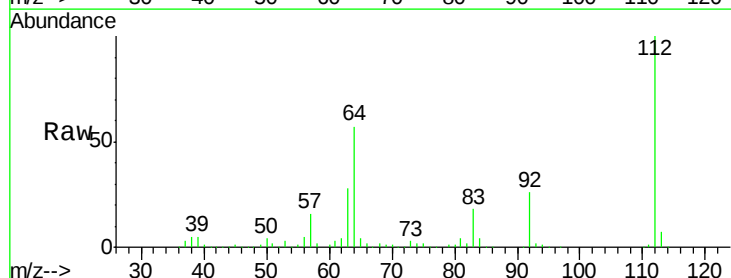


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

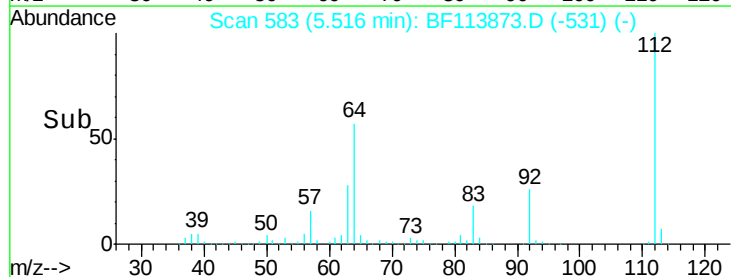
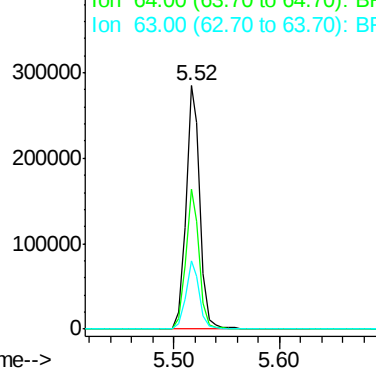


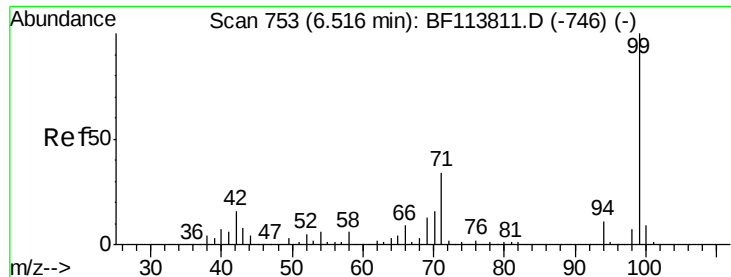
#5
 2-Fluorophenol
 Concen: 28.242 ng
 RT: 5.52 min Scan# 583
 Delta R.T. 0.01 min
 Lab File: BF113873.D
 Acq: 19 Apr 2019 21:40

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	267254		
64	57.3	46.6	69.8	
63	27.9	23.1	34.7	



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





#7

Phenol-d6

Concen: 28.158 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.01 min

Lab File: BF113873.D

Acq: 19 Apr 2019 21:40

Instrument :

BNA_F

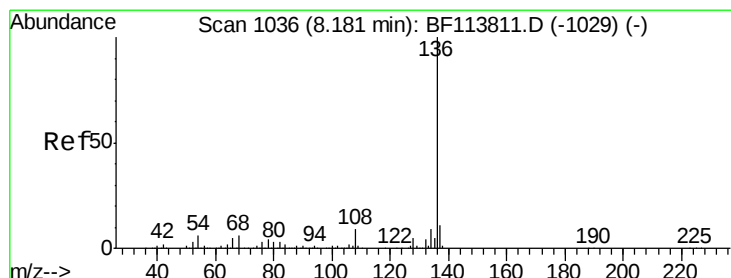
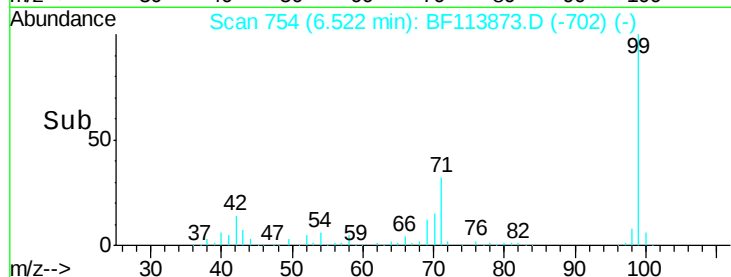
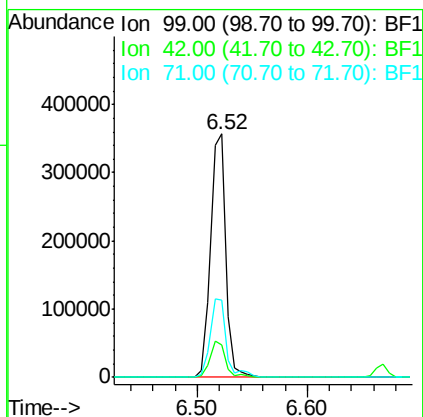
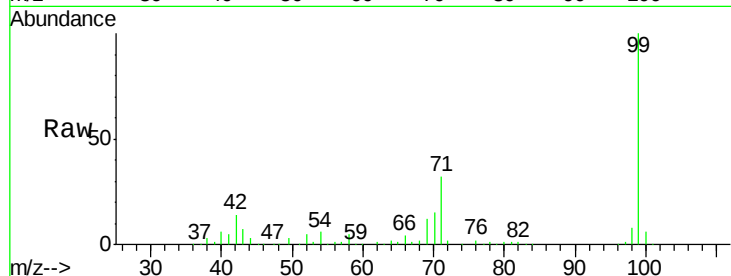
ClientSampleId :

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Tgt Ion:	99	Resp:	332287
Ion Ratio	Lower	Upper	
99	100		
42	13.6	12.5	18.7
71	31.5	26.9	40.3

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#21

Naphthalene-d8

Concen: 20.000 ng

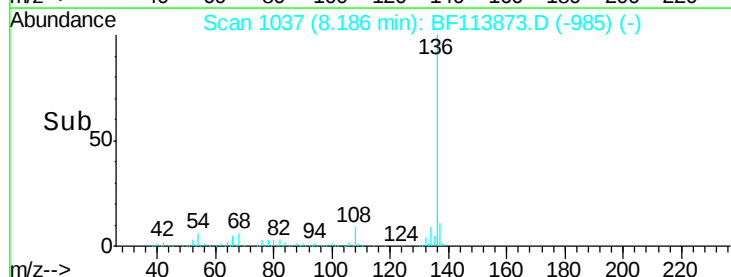
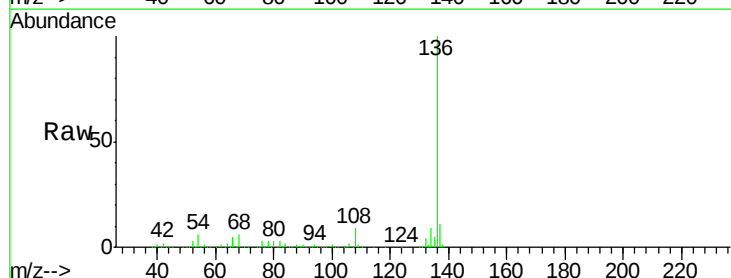
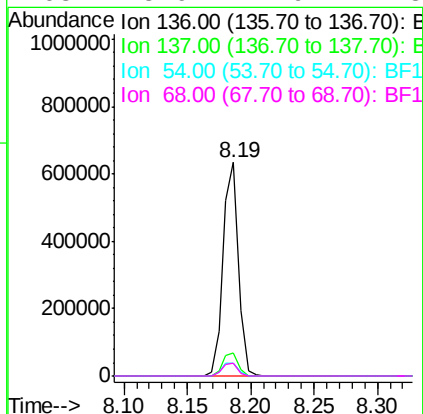
RT: 8.19 min Scan# 1037

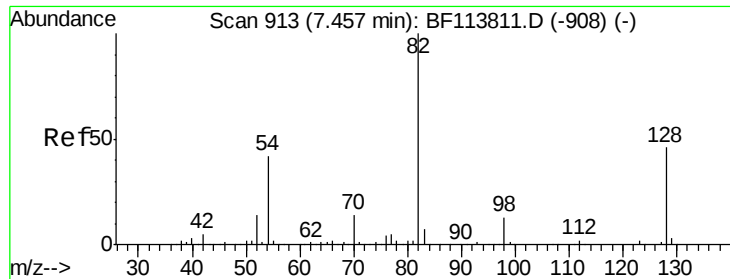
Delta R.T. 0.01 min

Lab File: BF113873.D

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Tgt Ion:	136	Resp:	539324
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.6	12.8
54	6.0	5.0	7.6
68	5.9	4.9	7.3





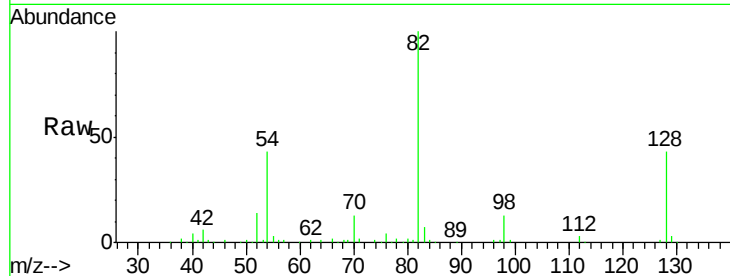
#23
 Nitrobenzene-d5
 Concen: 17.712 ng
 RT: 7.45 min Scan# 912
 Delta R.T. -0.01 min
 Lab File: BF113873.D
 Acq: 19 Apr 2019 21:40

Instrument :
 BNA_F
 ClientSampled :
 30134-39

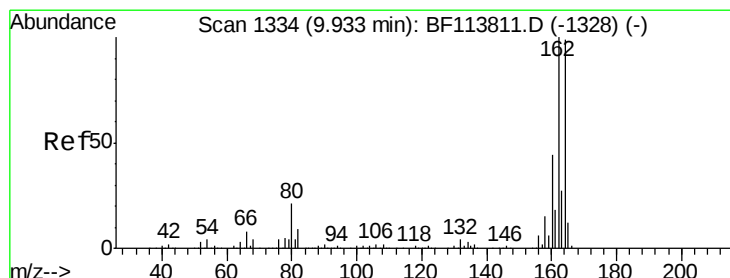
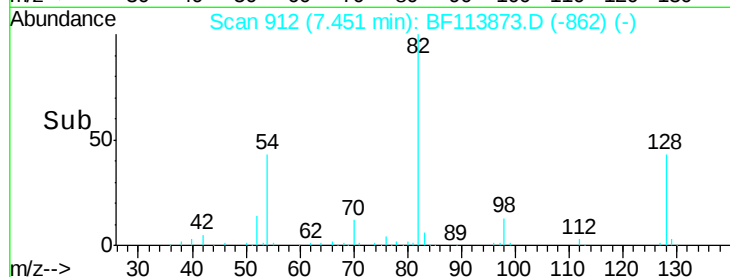
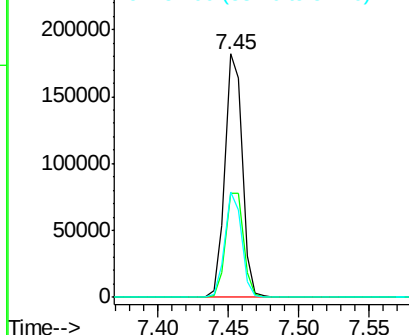
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	156864		
128	42.6	36.8	55.2	
54	43.4	33.8	50.6	

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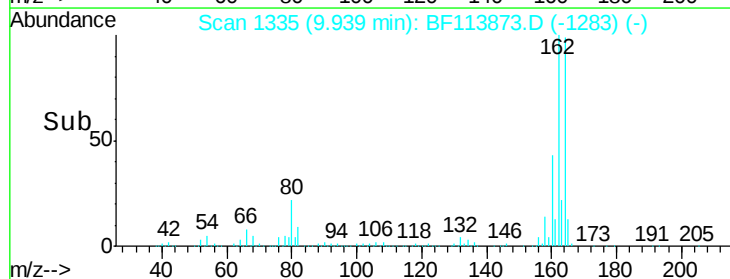
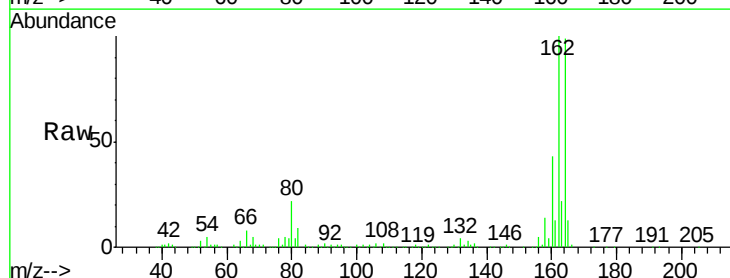
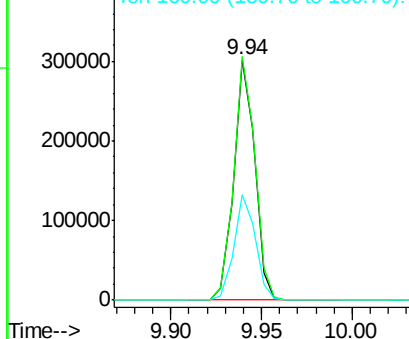
Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF1

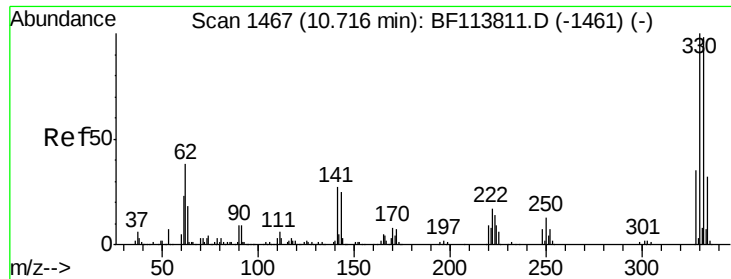


#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. 0.01 min
 Lab File: BF113873.D
 Acq: 19 Apr 2019 21:40

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	244602		
162	101.5	81.1	121.7	
160	43.7	35.8	53.6	

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: 30.587 ng

RT: 10.73 min Scan# 1469

Delta R.T. 0.01 min

Lab File: BF113873.D

Acq: 19 Apr 2019 21:40

Instrument :

BNA_F

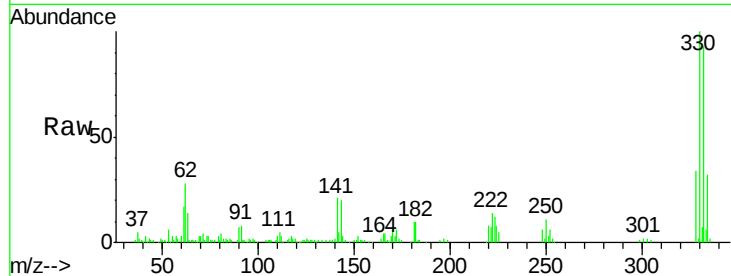
ClientSampleId :

30134-39

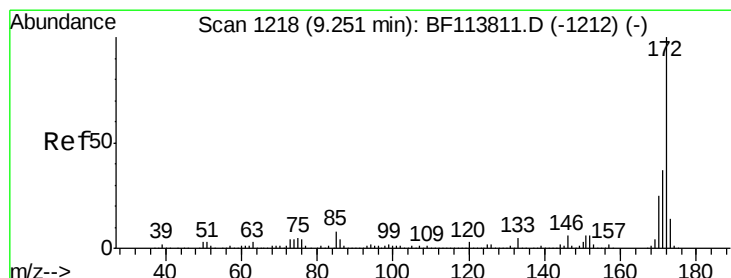
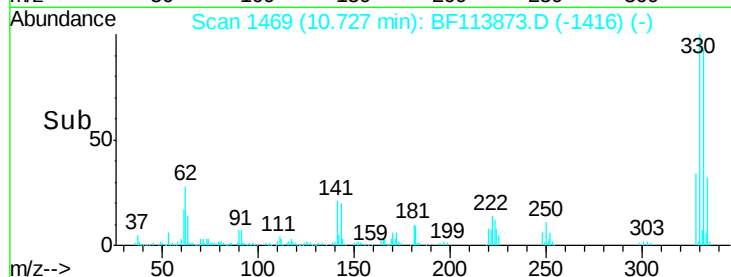
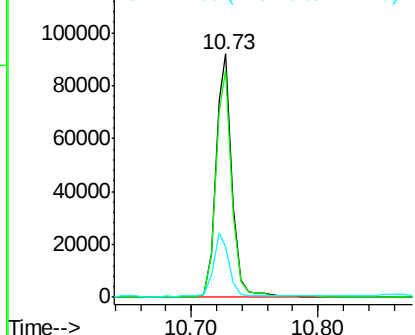
Tgt Ion:	330	Resp:	82659
Ion Ratio	Lower	Upper	
330	100		
332	93.8	77.5	116.3
141	25.5	22.2	33.2

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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: 21.828 ng

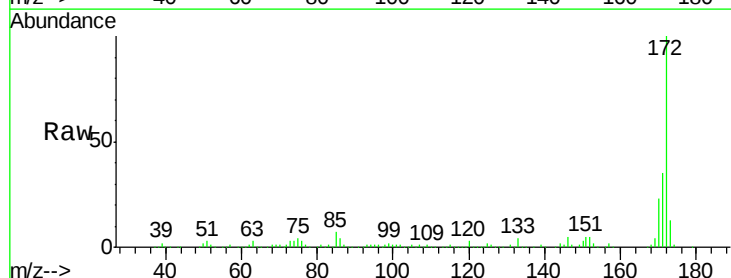
RT: 9.26 min Scan# 1219

Delta R.T. 0.01 min

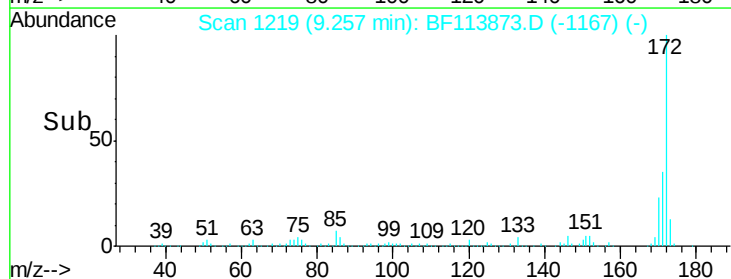
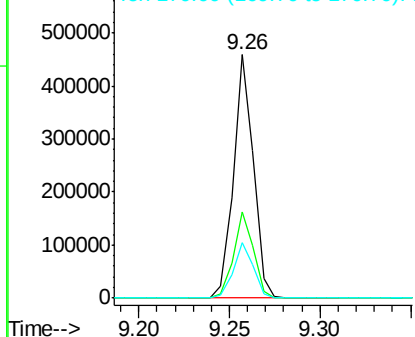
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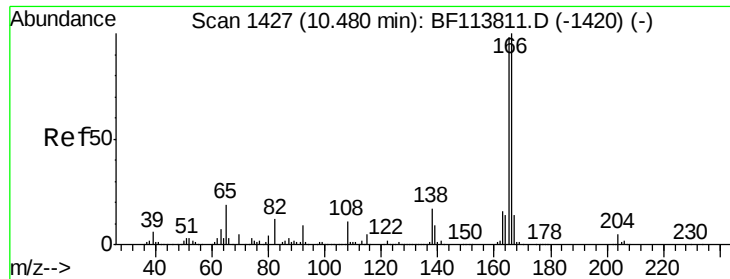
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Tgt Ion:	172	Resp:	350104
Ion Ratio	Lower	Upper	
172	100		
171	35.5	29.4	44.0
170	23.0	19.9	29.9



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





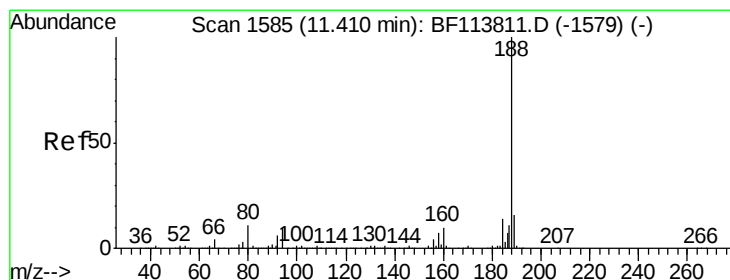
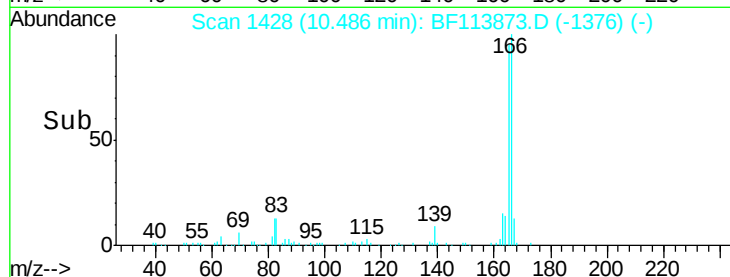
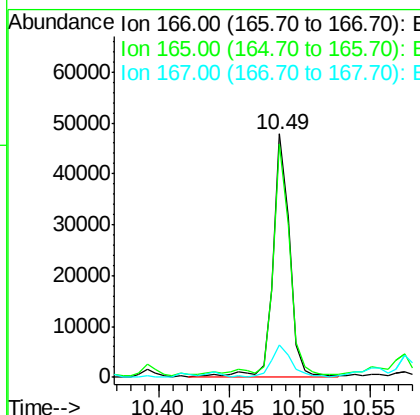
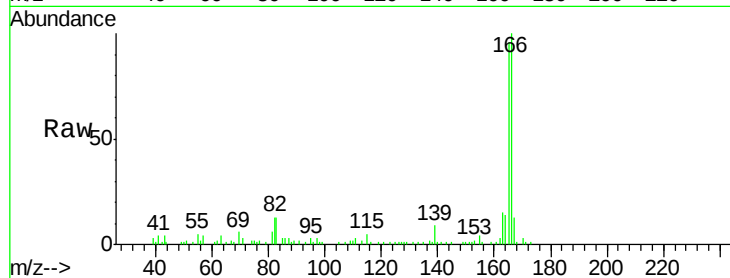
#58
 Fluorene
 Concen: 2.576 ng
 RT: 10.49 min Scan# 1428
 Delta R.T. 0.01 min
 Lab File: BF113873.D
 Acq: 19 Apr 2019 21:40

Instrument :
 BNA_F
 ClientSampleId :
 30134-39

Tgt Ion	Ratio	Lower	Upper
166	100		
165	95.9	78.4	117.6
167	13.2	10.9	16.3

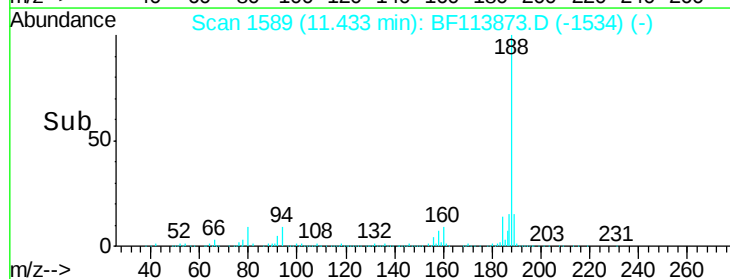
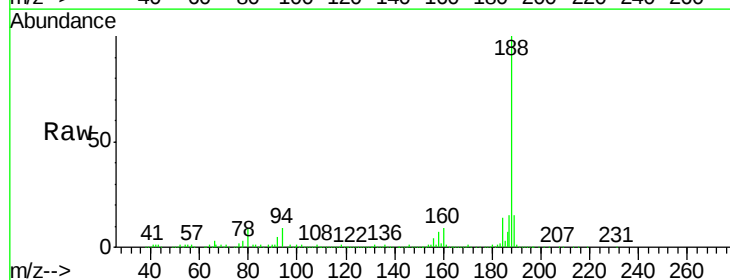
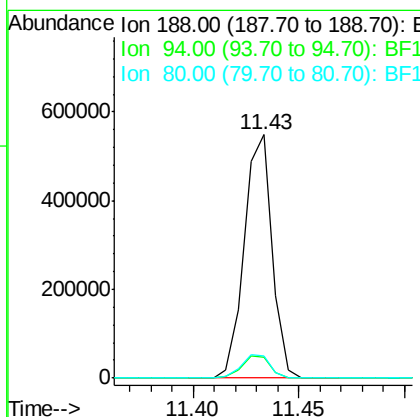
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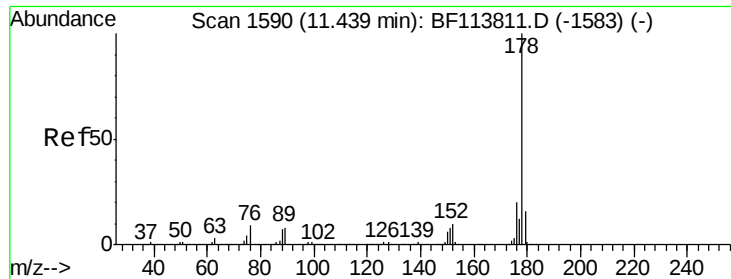
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. 0.02 min
 Lab File: BF113873.D
 Acq: 19 Apr 2019 21:40

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.5	8.2	12.4
80	9.2	9.0	13.6





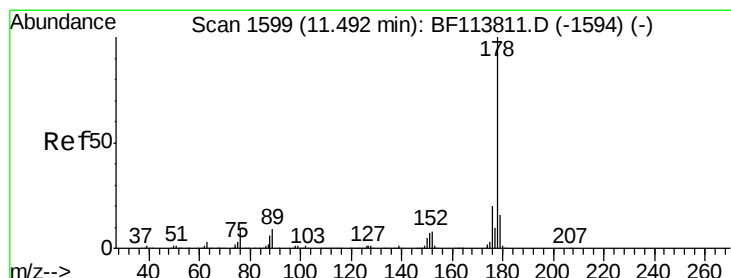
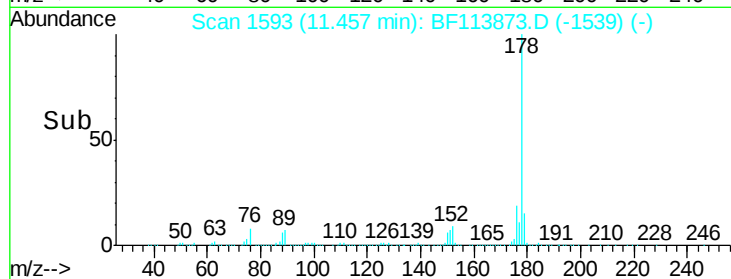
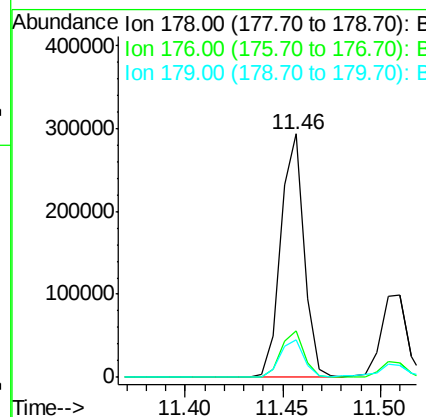
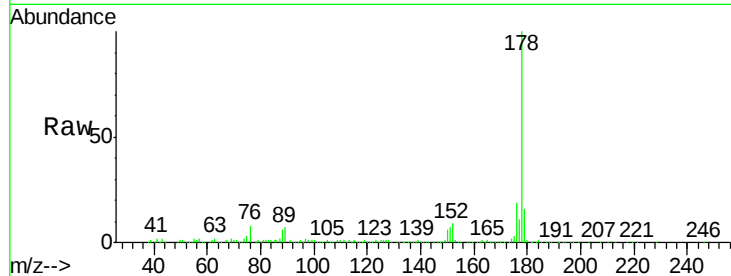
#71
Phenanthrene
Concen: 9.530 ng
RT: 11.46 min Scan# 1593
Delta R.T. 0.02 min
Lab File: BF113873.D
Acq: 19 Apr 2019 21:40

Instrument :
BNA_F
ClientSampleId :
30134-39

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	16.1	24.1
179	15.6	12.8	19.2

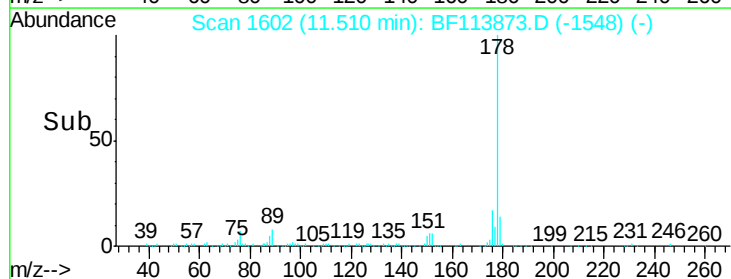
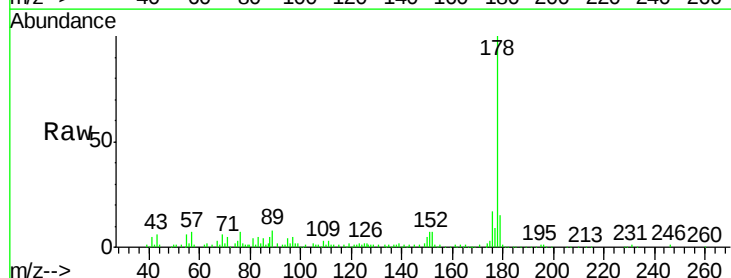
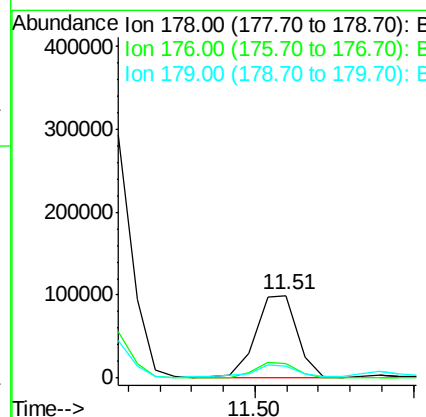
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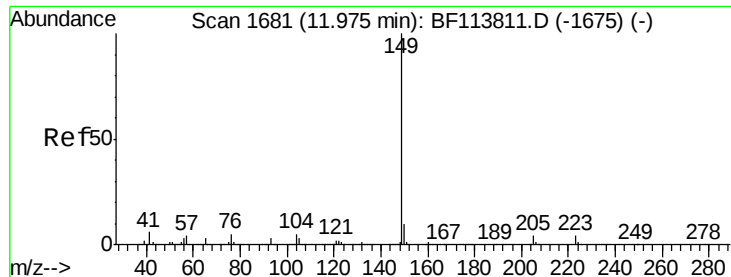
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#72
Anthracene
Concen: 3.496 ng
RT: 11.51 min Scan# 1602
Delta R.T. 0.02 min
Lab File: BF113873.D
Acq: 19 Apr 2019 21:40

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.4	15.7	23.5
179	14.5	13.0	19.4





#74

Di-n-butylphthalate

Concen: 4.265 ng

RT: 12.01 min Scan# 1687

Delta R.T. 0.04 min

Lab File: BF113873.D

Acq: 19 Apr 2019 21:40

Instrument :

BNA_F

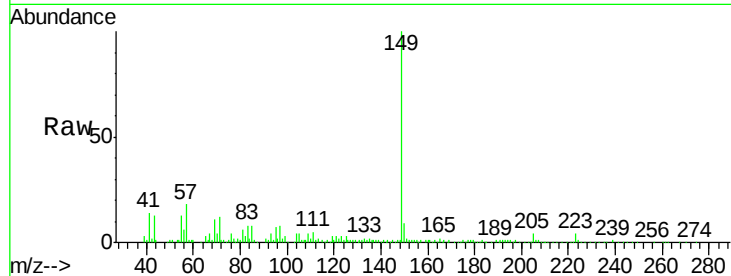
ClientSampleId :

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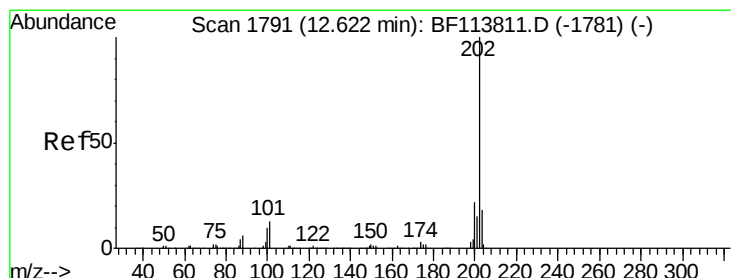
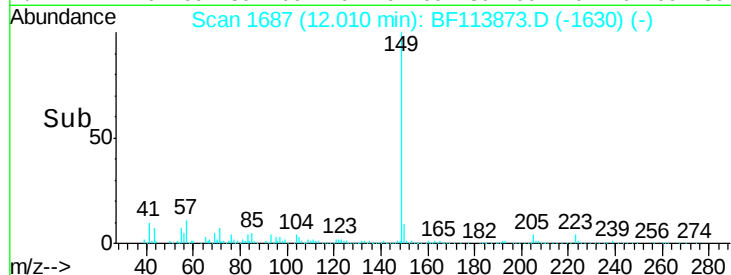
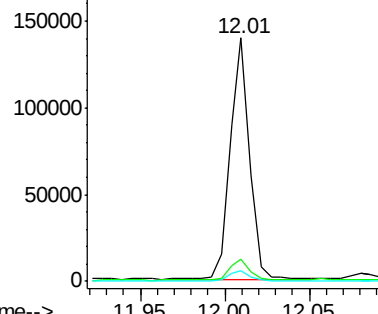
Tgt Ion:	149	Resp:	110714
Ion Ratio	Lower	Upper	
149	100		
150	9.4	7.8	11.8
104	4.3	3.8	5.8

Manual Integrations
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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E



#75

Fluoranthene

Concen: 16.045 ng

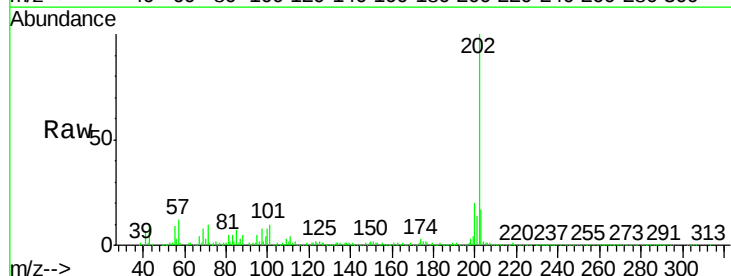
RT: 12.71 min Scan# 1806

Delta R.T. 0.09 min

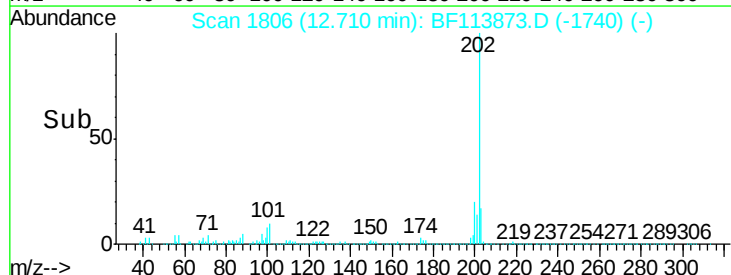
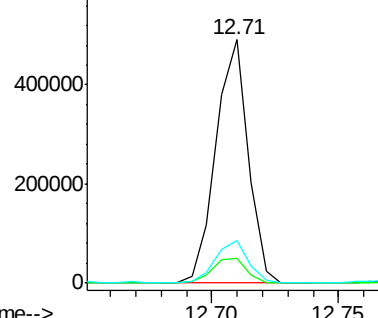
Lab File: BF113873.D

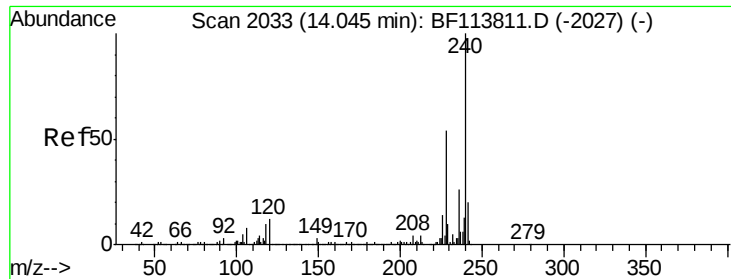
Acq: 19 Apr 2019 21:40

Tgt Ion:	202	Resp:	433455
Ion Ratio	Lower	Upper	
202	100		
101	10.3	0.0	32.9
203	17.5	0.0	38.2



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng m

RT: 14.41 min Scan# 2095

Delta R.T. 0.36 min

Lab File: BF113873.D

Acq: 19 Apr 2019 21:40

Instrument :

BNA_F

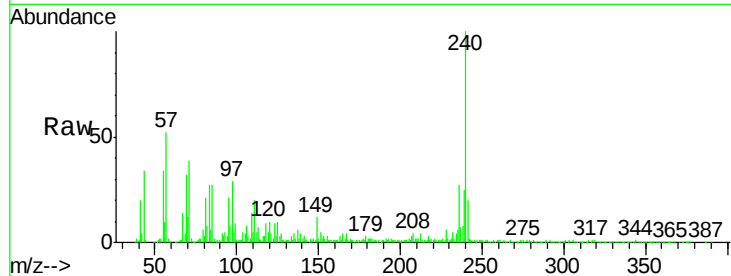
ClientSampleId :

30134-39

Tgt Ion:	240	Resp:	367165
Ion Ratio	Lower	Upper	
240	100		
120	9.9	9.3	13.9
236	27.0	21.2	31.8

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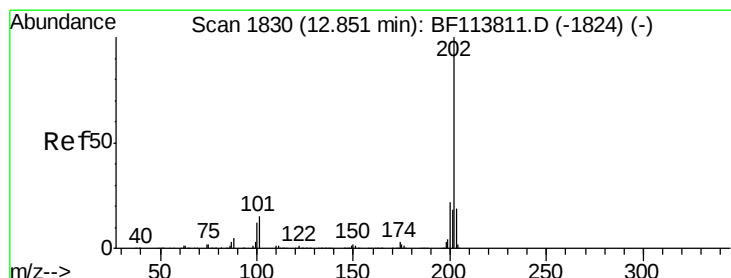
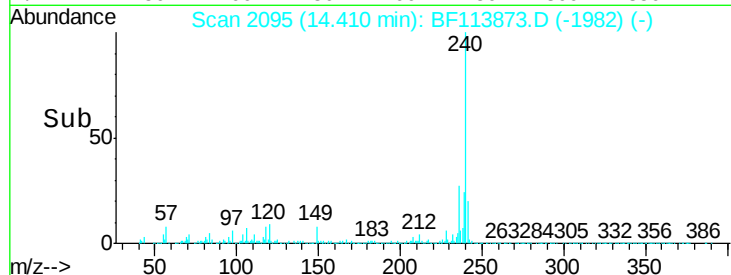
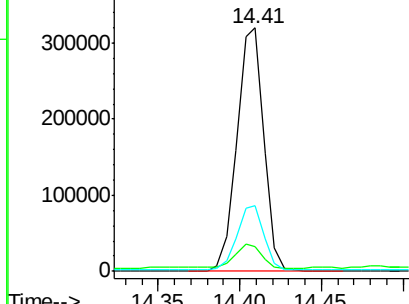
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Pyrene

Concen: 15.060 ng

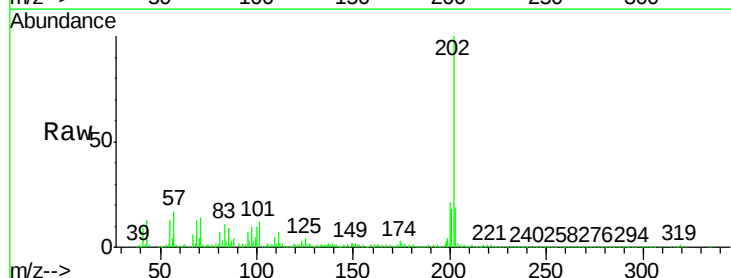
RT: 12.96 min Scan# 1849

Delta R.T. 0.11 min

Lab File: BF113873.D

Acq: 19 Apr 2019 21:40

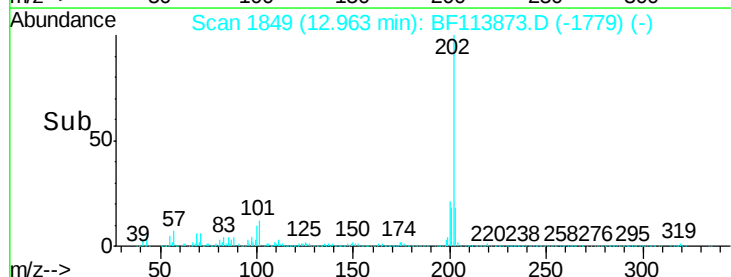
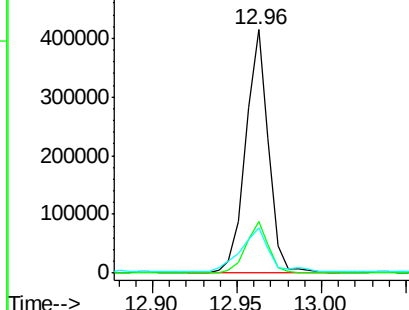
Tgt Ion:	202	Resp:	389710
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.7	26.5
203	18.8	15.0	22.6

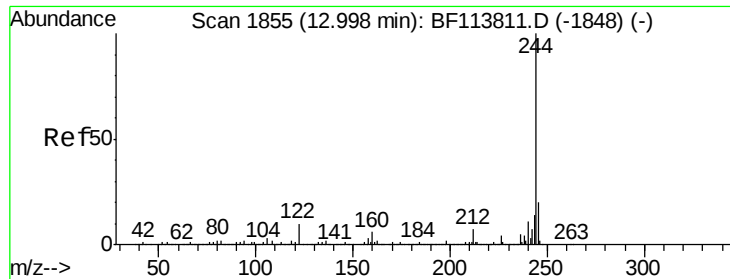


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





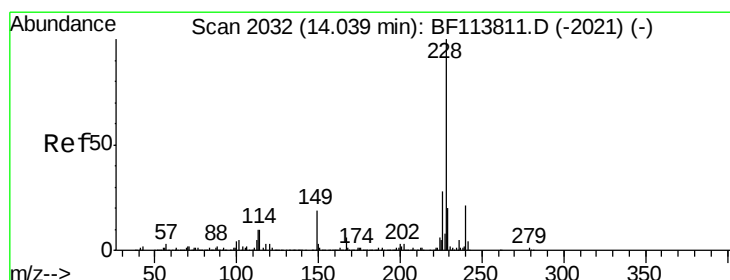
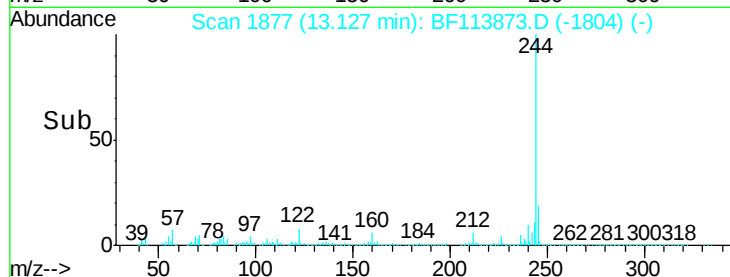
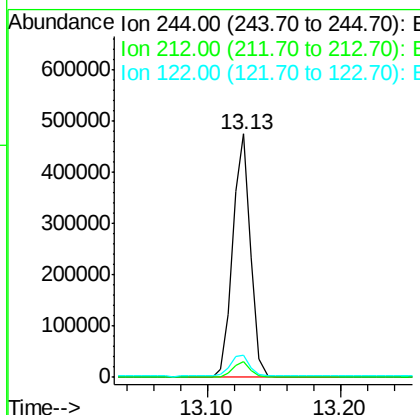
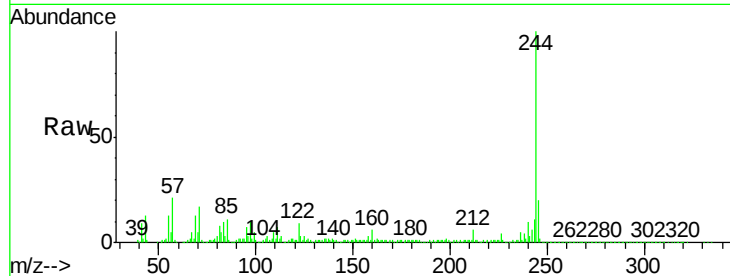
#79
 Terphenyl-d14
 Concen: 25.108 ng
 RT: 13.13 min Scan# 1877
 Delta R.T. 0.13 min
 Lab File: BF113873.D
 Acq: 19 Apr 2019 21:40

Instrument :
 BNA_F
 ClientSampleId :
 30134-39

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	439630		
212	6.3	5.4	8.2	
122	9.1	7.6	11.4	

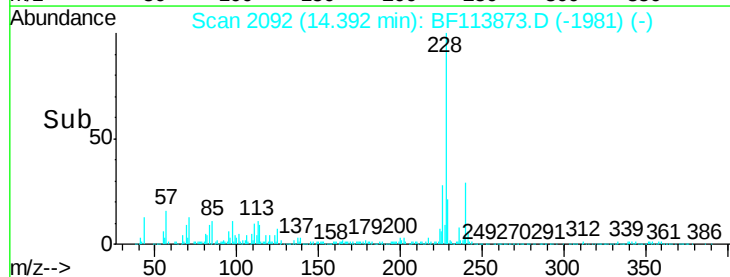
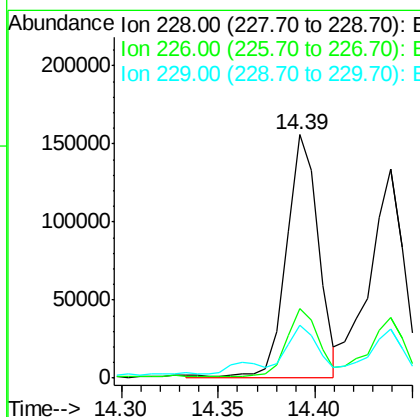
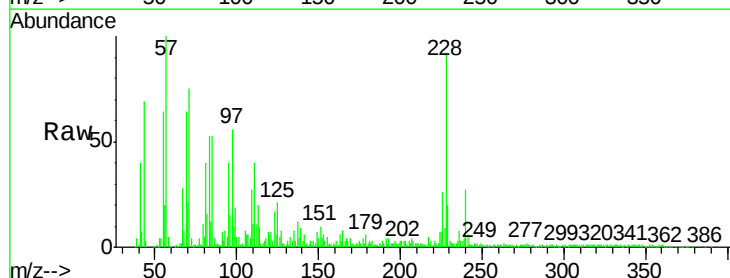
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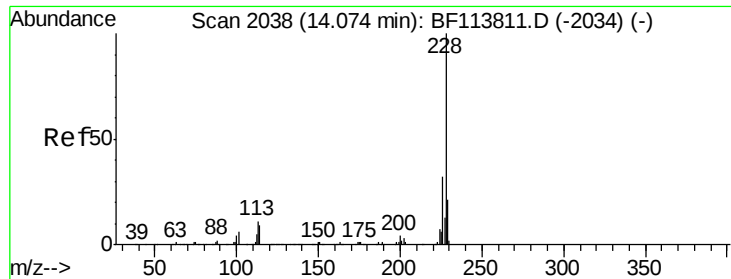
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#81
 Benzo(a)anthracene
 Concen: 8.364 ng m
 RT: 14.39 min Scan# 2092
 Delta R.T. 0.35 min
 Lab File: BF113873.D
 Acq: 19 Apr 2019 21:40

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	179524		
226	28.4	22.2	33.2	
229	21.7	16.0	24.0	





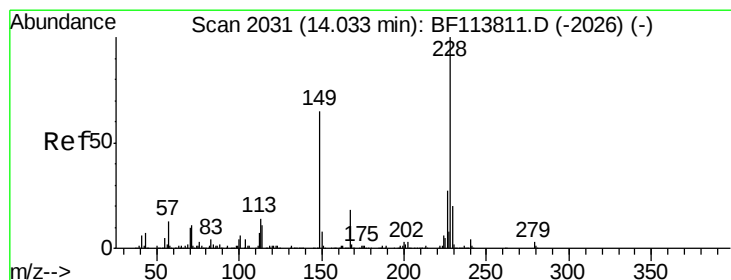
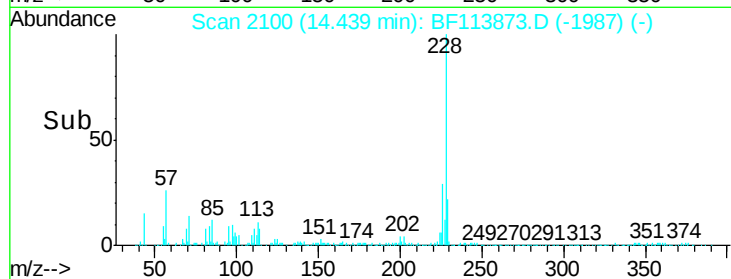
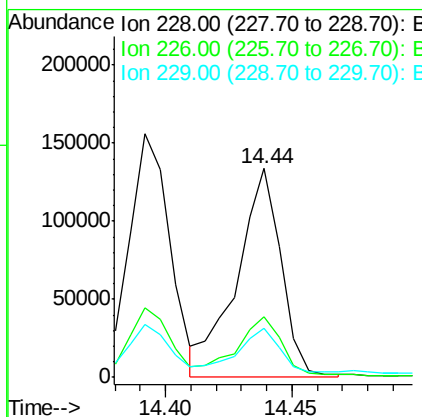
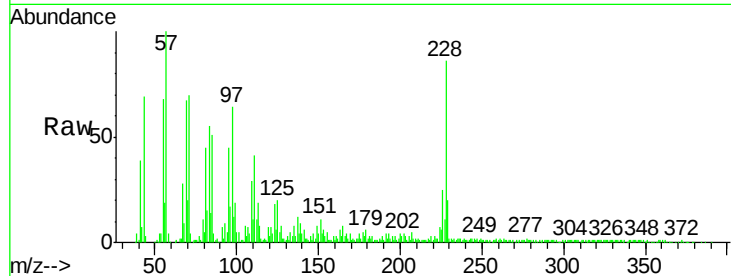
#83
 Chrysene
 Concen: 7.709 ng m
 RT: 14.44 min Scan# 2100
 Delta R.T. 0.36 min
 Lab File: BF113873.D
 Acq: 19 Apr 2019 21:40

Instrument :
 BNA_F
 ClientSampleId :
 30134-39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.0	25.2	37.8
229	23.8	16.7	25.1

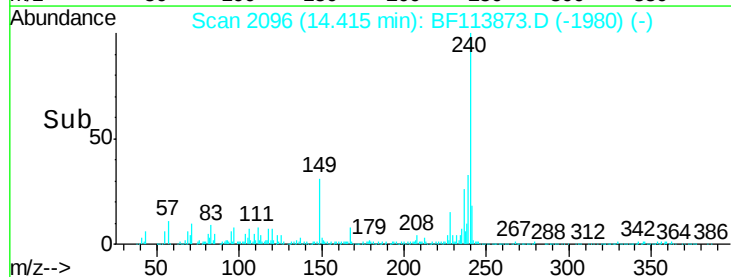
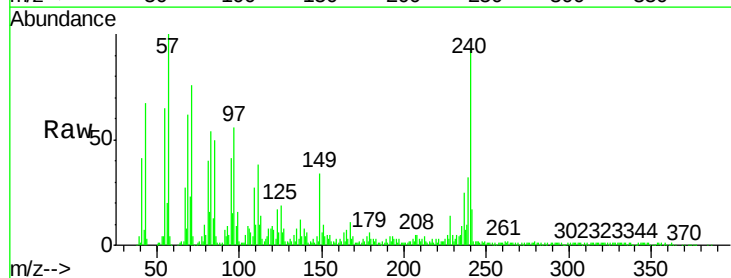
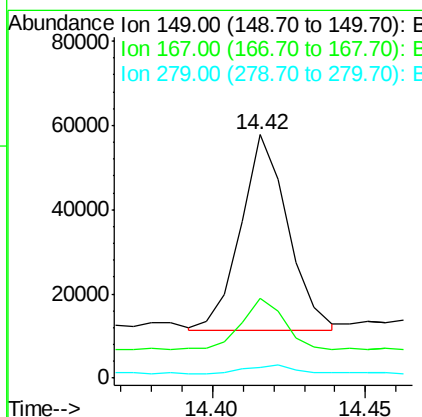
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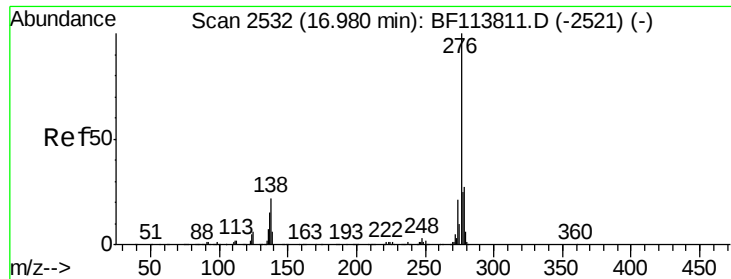
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 4.401 ng m
 RT: 14.42 min Scan# 2096
 Delta R.T. 0.38 min
 Lab File: BF113873.D
 Acq: 19 Apr 2019 21:40

Tgt Ion	Ratio	Lower	Upper
149	100		
167	32.7	22.9	34.3
279	4.5	4.2	6.2





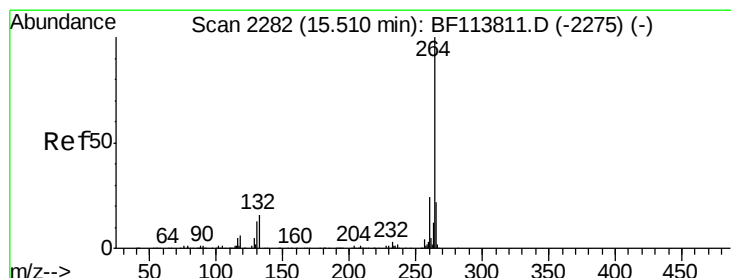
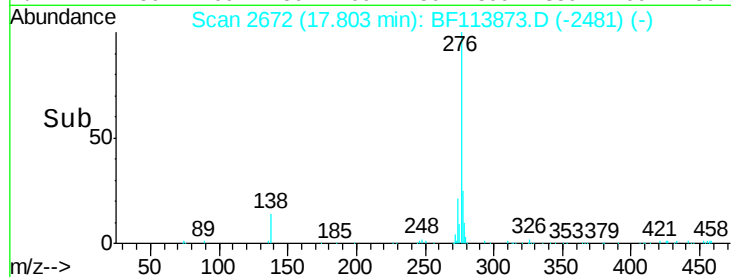
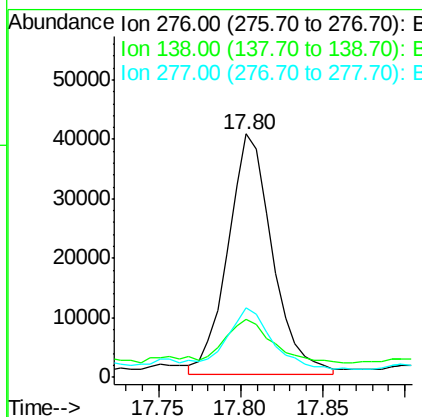
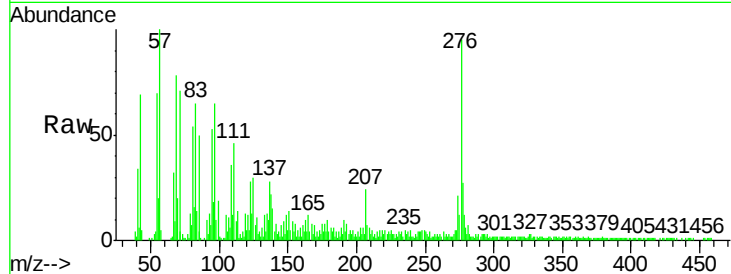
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 4.363 ng m
 RT: 17.80 min Scan# 2672
 Delta R.T. 0.82 min
 Lab File: BF113873.D
 Acq: 19 Apr 2019 21:40

Instrument :
 BNA_F
 ClientSampled :
 30134-39

Tgt Ion	Ratio	Lower	Upper
276	100		
138	0.6	19.6	29.4#
277	1.3	20.2	30.4#

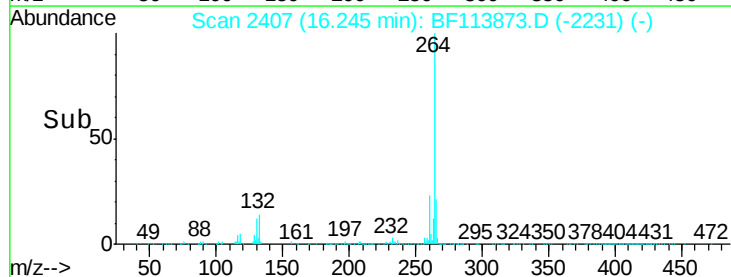
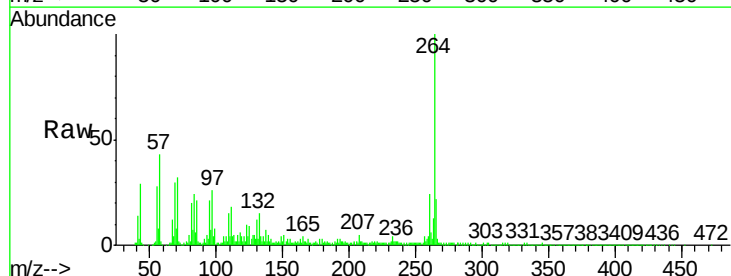
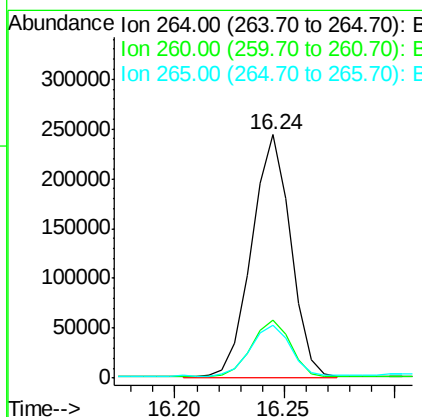
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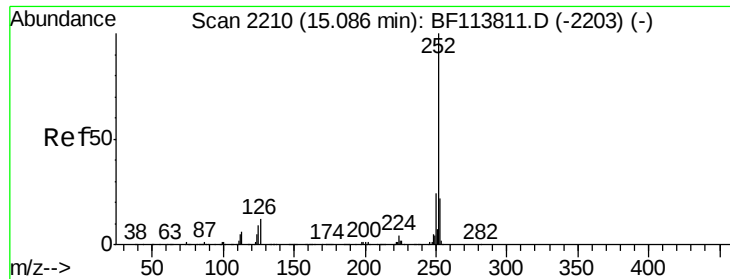
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#87
 Perylene-d12
 Concen: 20.000 ng m
 RT: 16.24 min Scan# 2407
 Delta R.T. 0.74 min
 Lab File: BF113873.D
 Acq: 19 Apr 2019 21:40

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.9	28.3
265	21.6	17.3	25.9





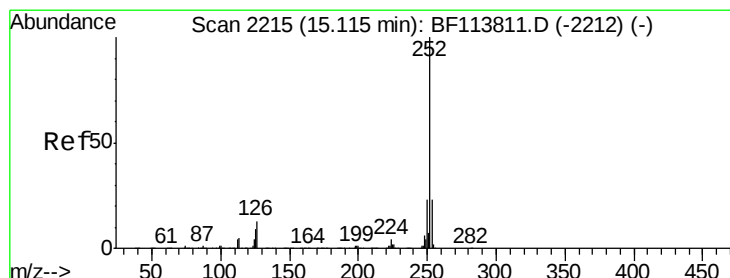
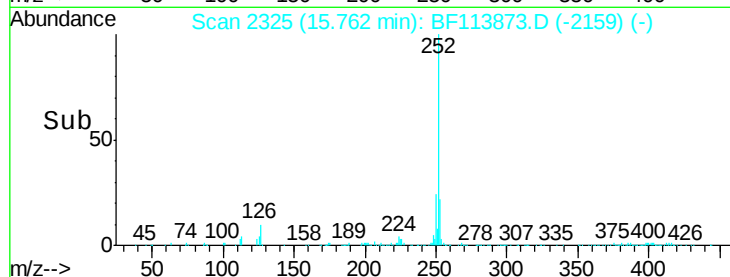
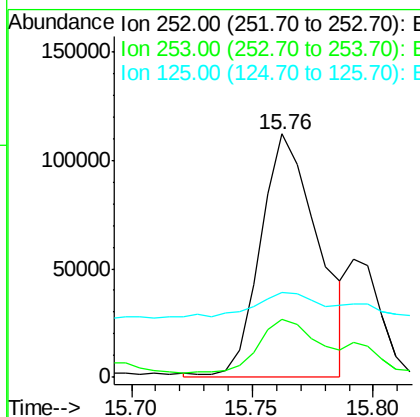
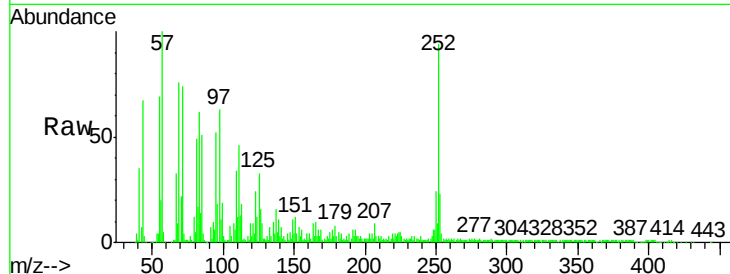
#88
Benzo(b)fluoranthene
Concen: 9.706 ng m
RT: 15.76 min Scan# 2325
Delta R.T. 0.68 min
Lab File: BF113873.D
Acq: 19 Apr 2019 21:40

Instrument :
BNA_F
ClientSampled :
30134-39

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	185793		
253	23.9	17.8	26.6	
125	35.1	7.0	10.6#	

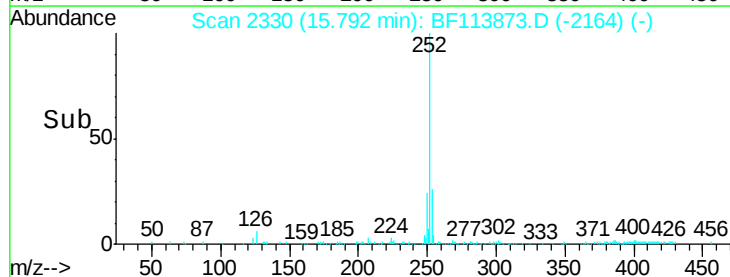
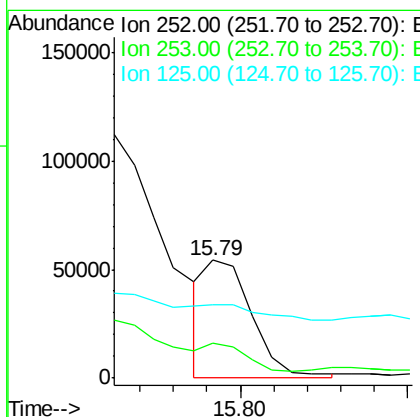
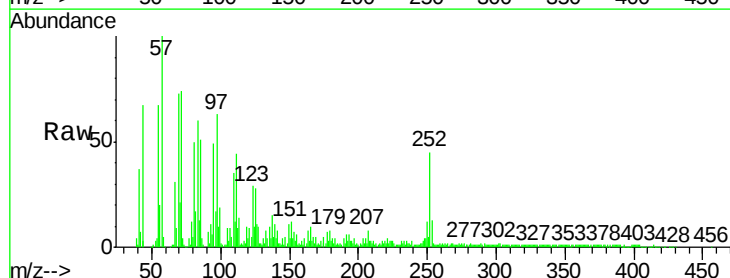
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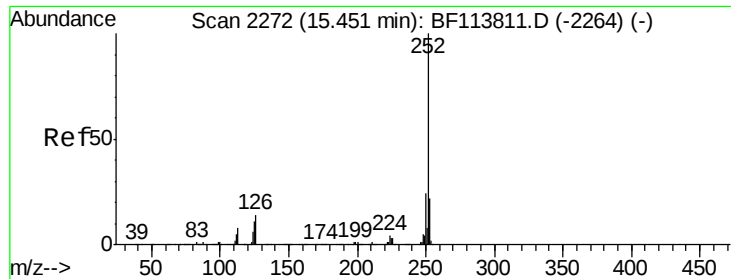
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#89
Benzo(k)fluoranthene
Concen: 3.063 ng m
RT: 15.79 min Scan# 2330
Delta R.T. 0.68 min
Lab File: BF113873.D
Acq: 19 Apr 2019 21:40

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	53406		
253	29.3	18.2	27.2#	
125	62.1	7.4	11.2#	





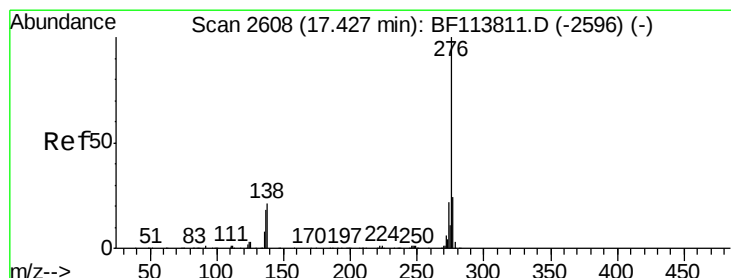
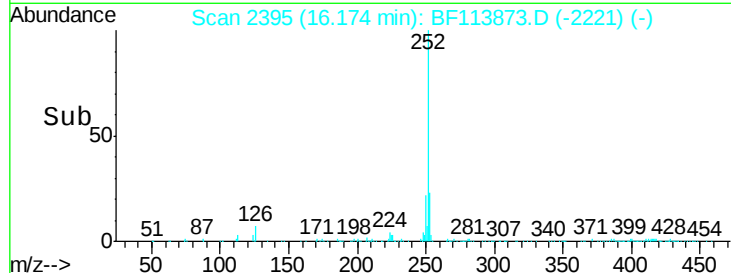
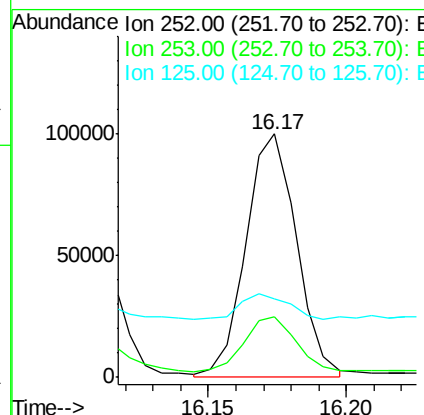
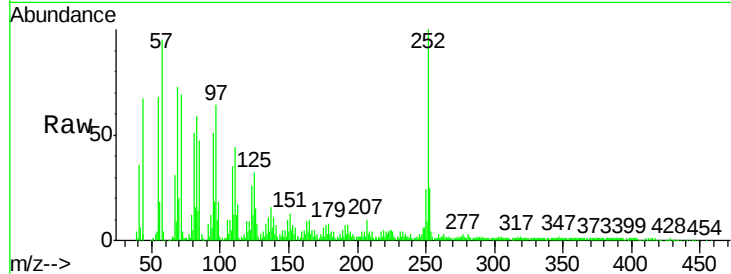
#90
Benzo(a)pyrene
Concen: 7.599 ng m
RT: 16.17 min Scan# 2395
Delta R.T. 0.72 min
Lab File: BF113873.D
Acq: 19 Apr 2019 21:40

Instrument :
BNA_F
ClientSampled :
30134-39

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	24.8	17.5	26.3
125	32.3	8.5	12.7

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 4.357 ng m
RT: 18.27 min Scan# 2751
Delta R.T. 0.84 min
Lab File: BF113873.D
Acq: 19 Apr 2019 21:40

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	28.0	19.0	28.4
138	23.9	16.6	25.0

