

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041819\
 Data File : BF113820.D
 Acq On : 18 Apr 2019 16:38
 Operator : JU/SJ
 Sample : K2411-11
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-14-D

Manual Integrations
 APPROVED

Sohil
 4/23/2019 8:16:41 AM

Quant Time: Apr 18 17:07:56 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	6.89	152	190309	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	696608	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	335006	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	579783	20.00	ng	0.00
76) Chrysene-d12	14.04	240	467698	20.00	ng	0.00
87) Perylene-d12	15.51	264	608311	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	1070470	93.53	ng	0.00
7) Phenol-d6	6.52	99	1355490	94.97	ng	0.00
23) Nitrobenzene-d5	7.45	82	824545	72.08	ng	0.00
42) 2,4,6-Tribromophenol	10.71	330	327537	88.49	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1518191	69.11	ng	0.00
79) Terphenyl-d14	12.99	244	1486777	66.66	ng	0.00

Target Compounds				Qvalue		
49) Acenaphthylene	9.79	152	80572	2.482	ng	97
50) Dimethylphthalate	9.63	163	160302	6.838	ng	100
71) Phenanthrene	11.43	178	91931	3.113	ng	100
75) Fluoranthene	12.62	202	115856	3.702	ng	98
78) Pyrene	12.85	202	176080	5.342	ng	97
81) Benzo(a)anthracene	14.03	228	171627m	6.278	ng	
83) Chrysene	14.06	228	191247m	7.048	ng	
86) Indeno(1,2,3-cd)pyrene	16.97	276	259863	11.731	ng	95
88) Benzo(b)fluoranthene	15.08	252	458971m	12.103	ng	
89) Benzo(k)fluoranthene	15.10	252	114845m	3.325	ng	
90) Benzo(a)pyrene	15.44	252	308537	9.201	ng	97
91) Dibenzo(a,h)anthracene	16.99	278	74846m	2.509	ng	
92) Benzo(a,h,i)perylene	17.42	276	235505	7.766	ng	99

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

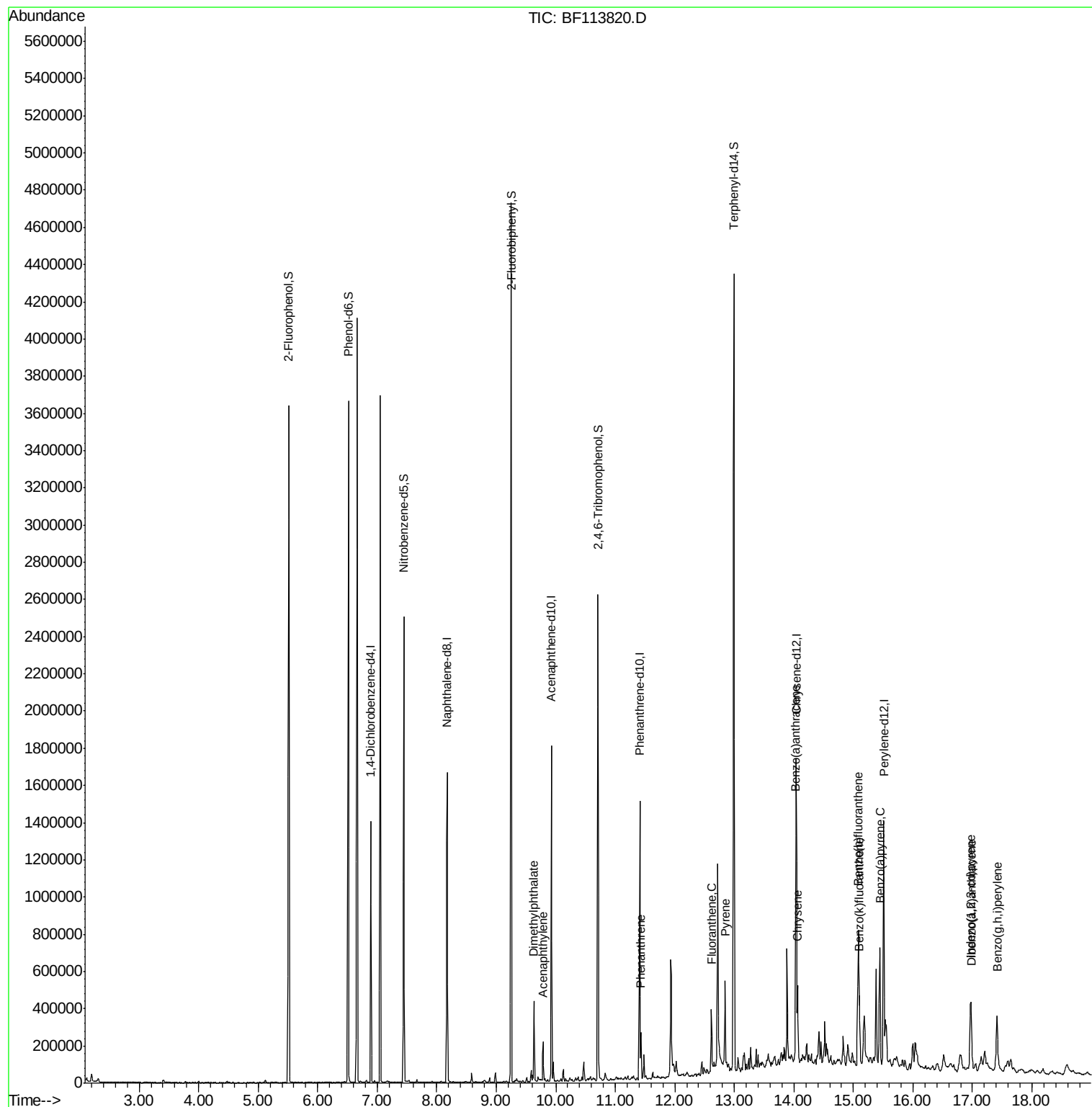
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041819\
Data File : BF113820.D
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Operator : JU/SJ
Sample : K2411-11
Misc :
ALS Vial : 4 Sample Multiplier: 1

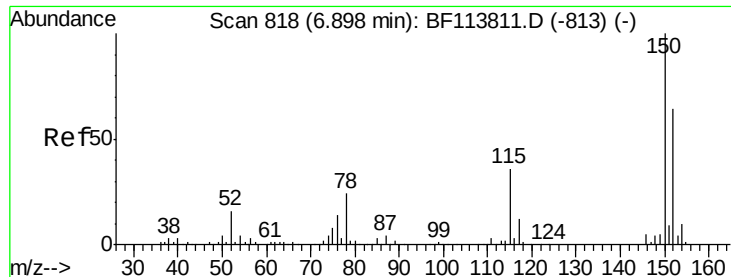
Instrument :
BNA_F
ClientSampled :
TP-14-D

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#1

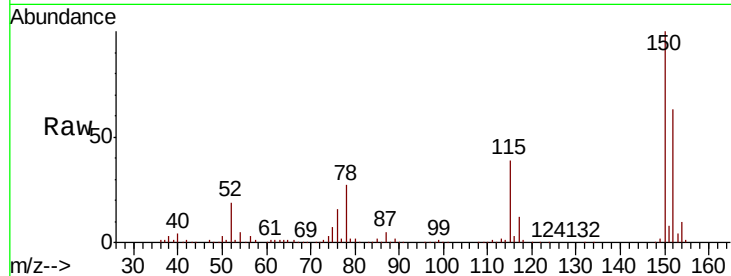
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF113820.D
Acq: 18 Apr 2019 16:38

Instrument :
BNA_F
ClientSampled :
TP-14-D

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.5	125.9	188.9
115	61.0	45.9	68.9

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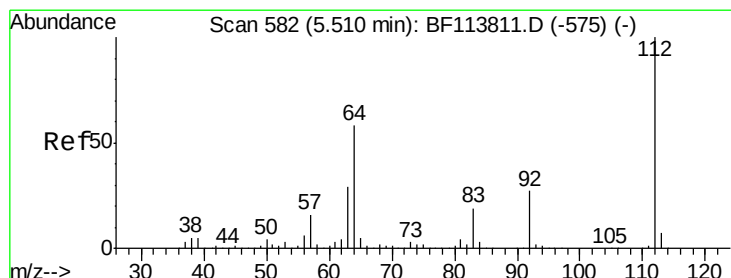
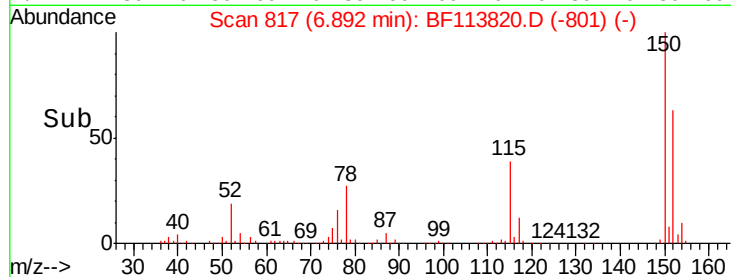
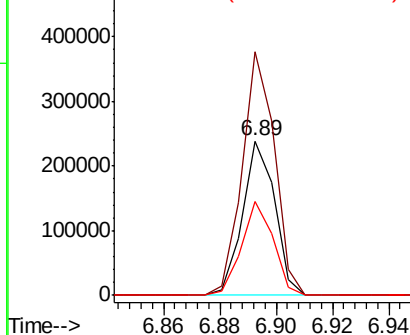


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

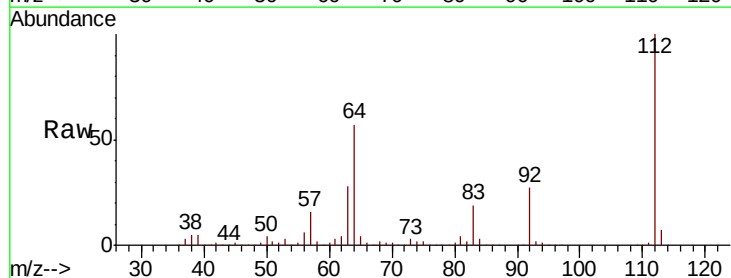
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 93.530 ng
RT: 5.52 min Scan# 583
Delta R.T. 0.01 min
Lab File: BF113820.D
Acq: 18 Apr 2019 16:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.4	46.6	69.8
63	28.5	23.1	34.7

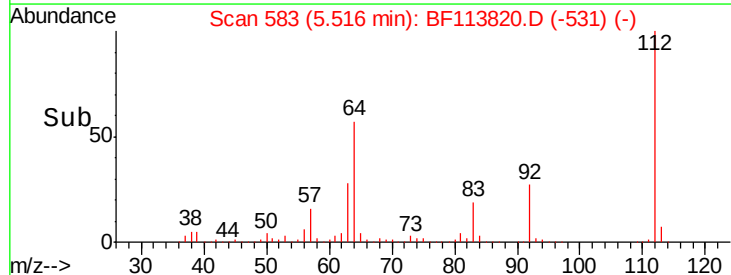
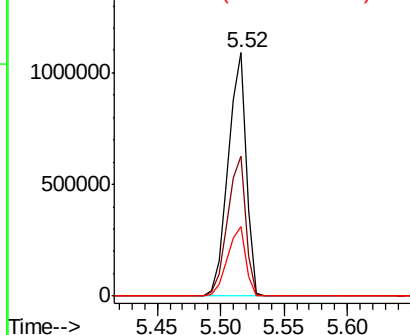


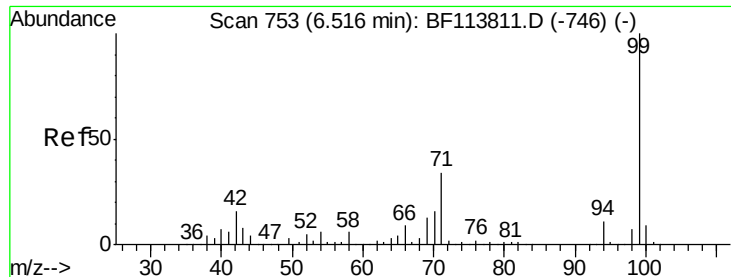
Abundance

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: 94.968 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.00 min

Lab File: BF113820.D

Acq: 18 Apr 2019 16:38

Instrument :

BNA_F

ClientSampled :

TP-14-D

Tot Ion: 99 Resp: 1355490

Ion Ratio Lower Upper

99 100

42 15.6 12.5 18.7

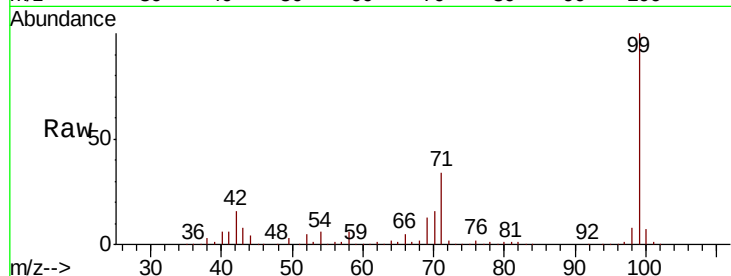
71 34.0 26.9 40.3

Manual Integrations

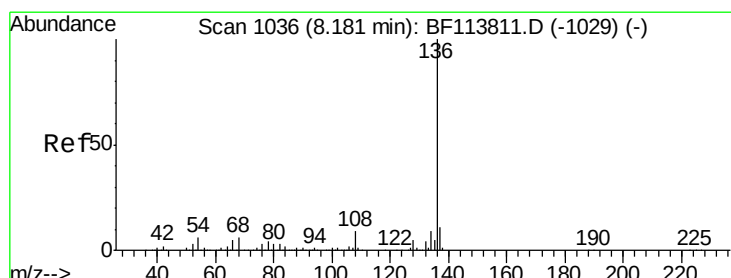
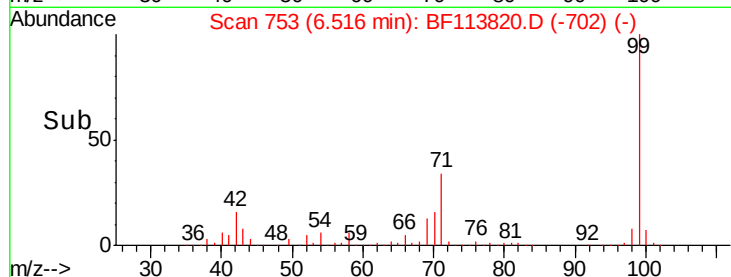
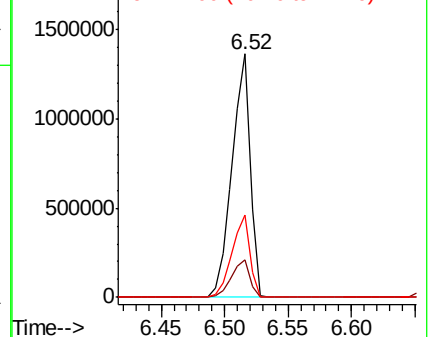
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF113820.D

Acq: 18 Apr 2019 16:38

Tgt Ion: 136 Resp: 696608

Ion Ratio Lower Upper

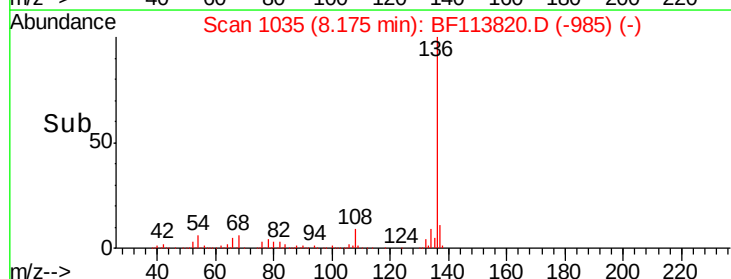
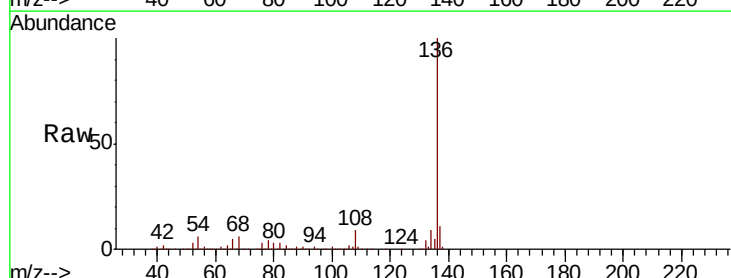
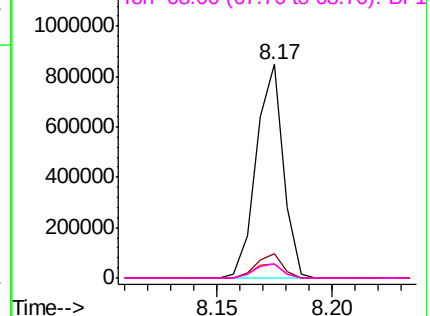
136 100

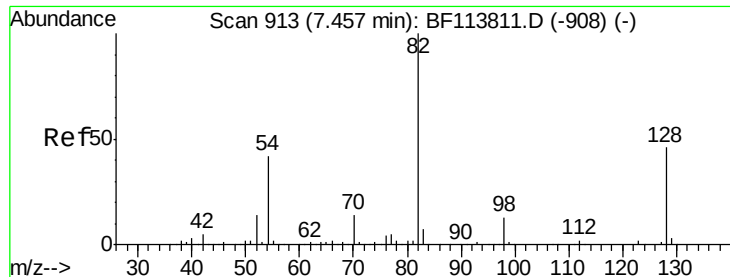
137 11.2 8.6 12.8

54 6.5 5.0 7.6

68 6.4 4.9 7.3

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





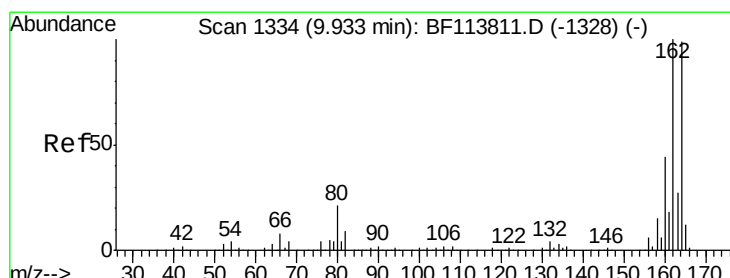
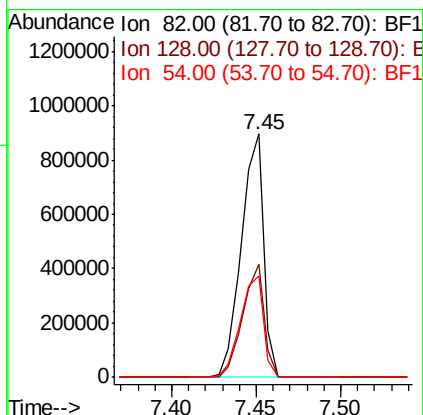
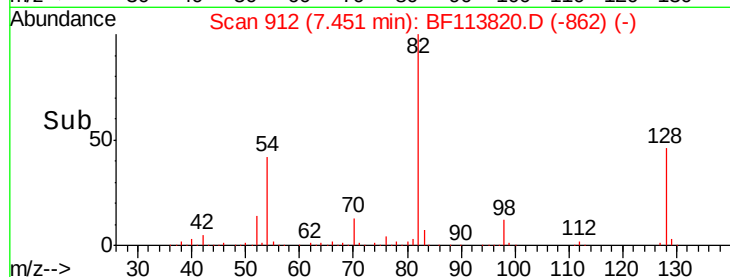
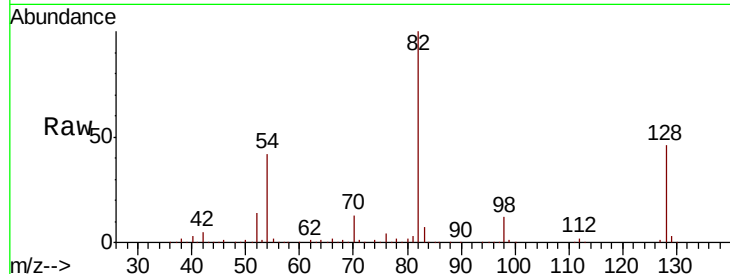
#23
Nitrobenzene-d5
Concen: 72.080 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF113820.D
Acq: 18 Apr 2019 16:38

Instrument :
BNA_F
ClientSampleId :
TP-14-D

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.4	36.8	55.2
54	41.8	33.8	50.6

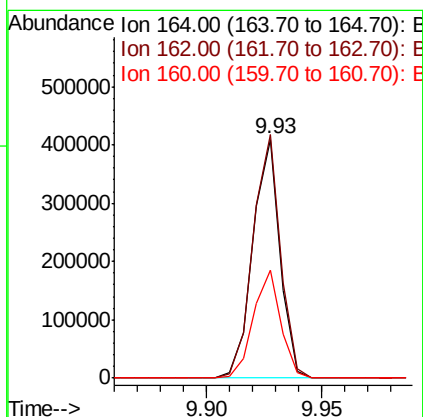
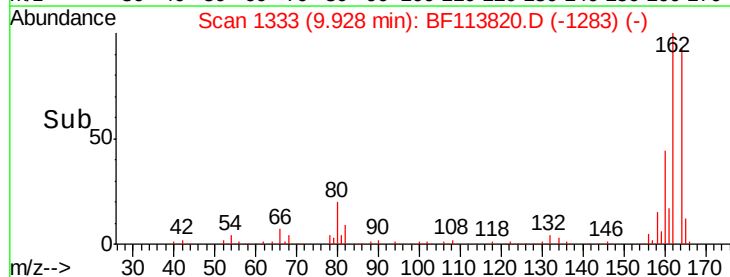
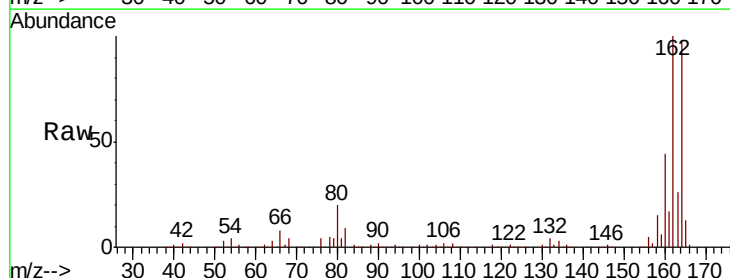
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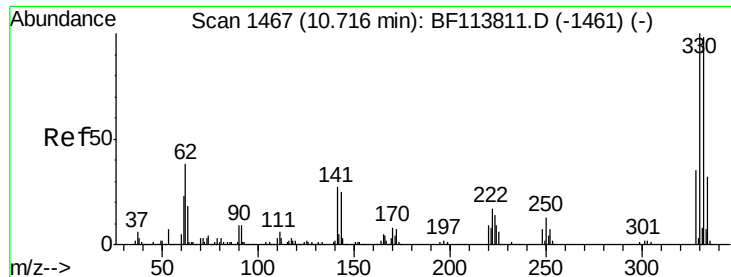
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF113820.D
Acq: 18 Apr 2019 16:38

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.1	81.1	121.7
160	45.0	35.8	53.6





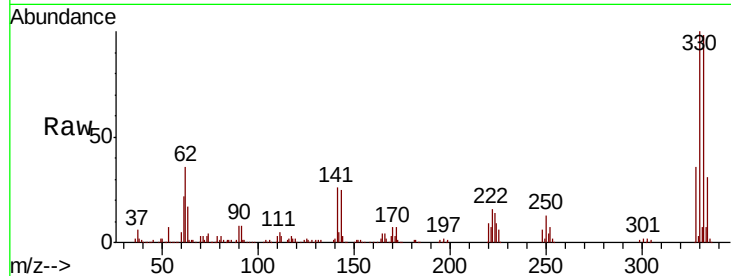
#42
 2,4,6-Tribromophenol
 Concen: 88.495 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF113820.D
 Acq: 18 Apr 2019 16:38

Instrument :
 BNA_F
 ClientSampled :
 TP-14-D

Tot Ion	Ratio	Resp	Lower	Upper
330	100	327537		
332	97.5	77.5	116.3	
141	27.8	22.2	33.2	

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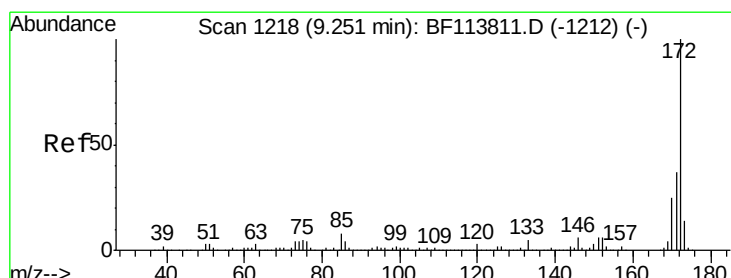
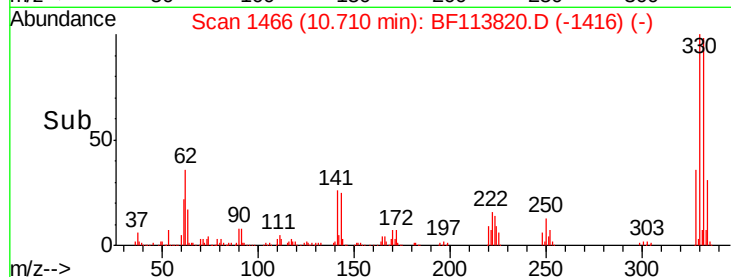
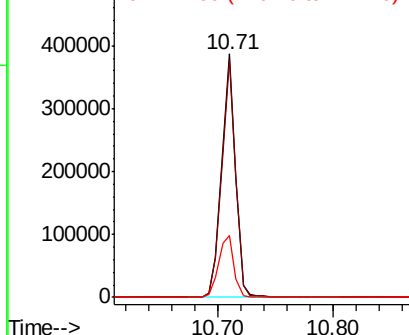


Abundance

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: 69.112 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: BF113820.D
 Acq: 18 Apr 2019 16:38

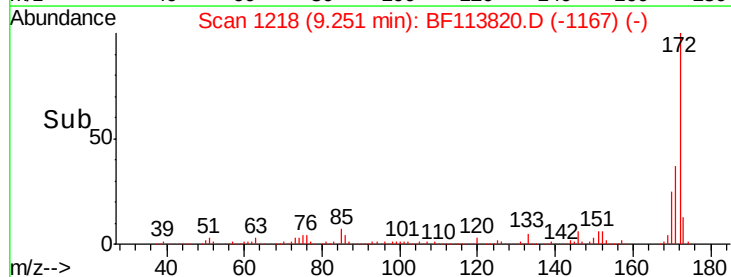
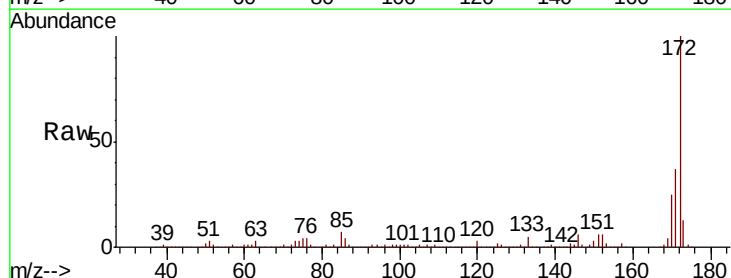
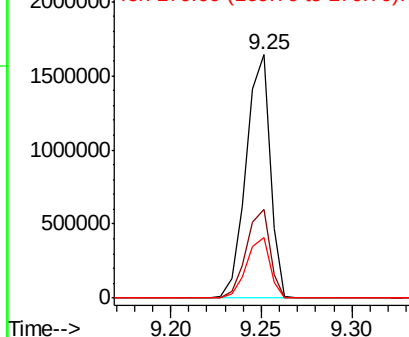
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1518191		
171	36.6	29.4	44.0	
170	24.8	19.9	29.9	

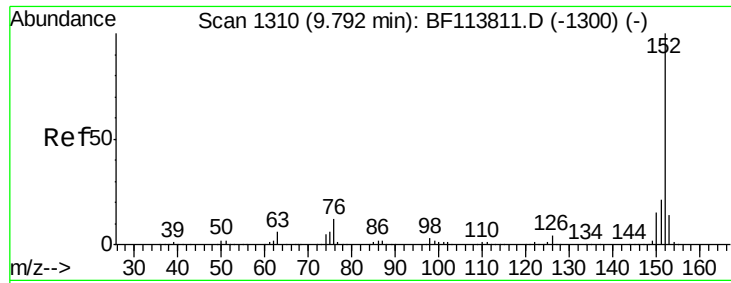
Abundance

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





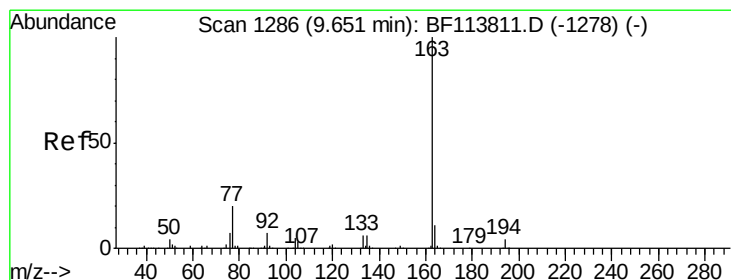
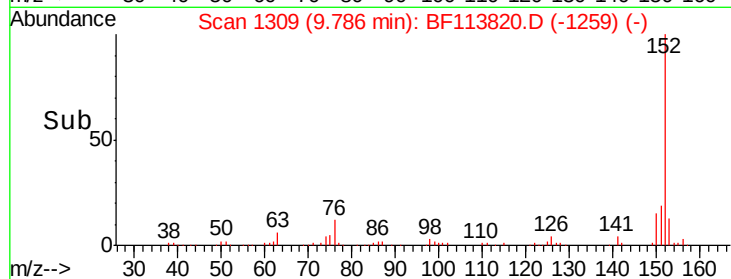
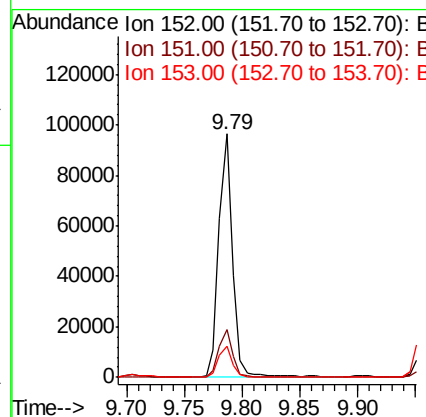
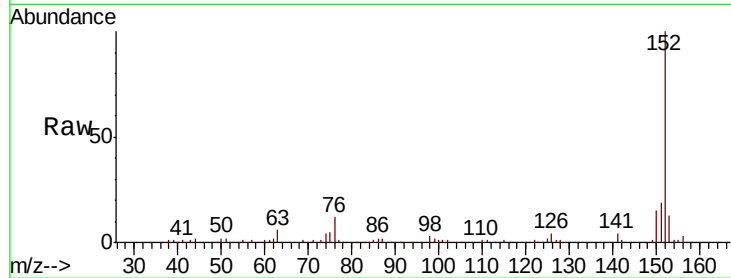
#49
Acenaphthylene
Concen: 2.482 ng
RT: 9.79 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BF113820.D
Acq: 18 Apr 2019 16:38

Instrument :
BNA_F
ClientSampleId :
TP-14-D

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.4	17.0	25.4
153	13.0	11.0	16.6

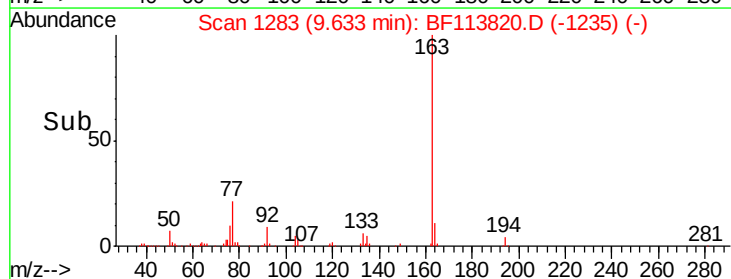
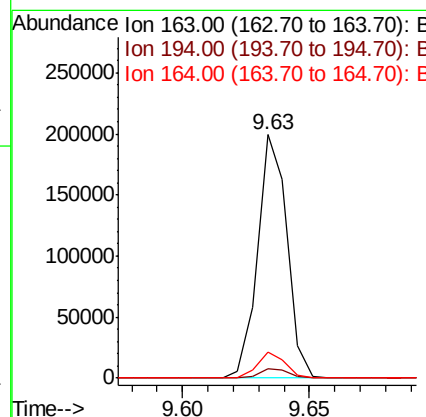
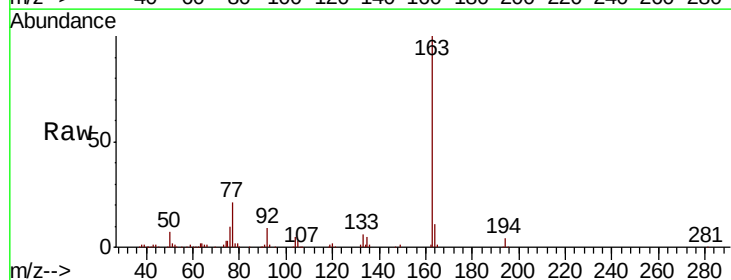
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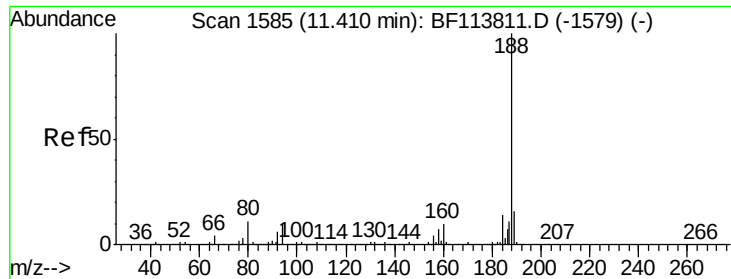
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#50
Dimethylphthalate
Concen: 6.838 ng
RT: 9.63 min Scan# 1283
Delta R.T. -0.02 min
Lab File: BF113820.D
Acq: 18 Apr 2019 16:38

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.4	5.2
164	10.7	8.5	12.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.00 min

Lab File: BF113820.D

Acq: 18 Apr 2019 16:38

Instrument :

BNA_F

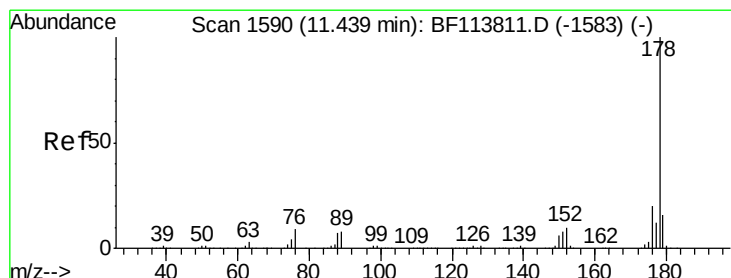
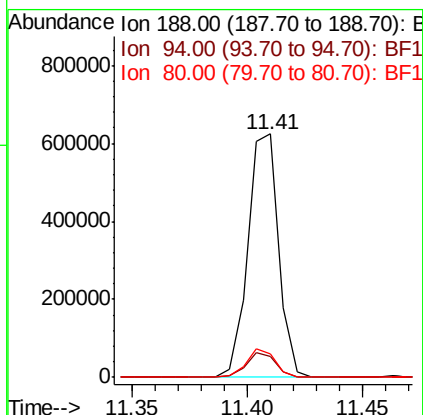
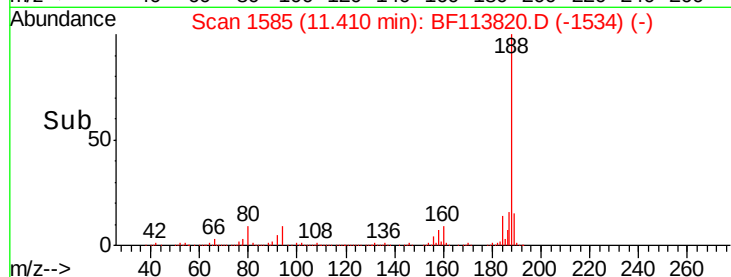
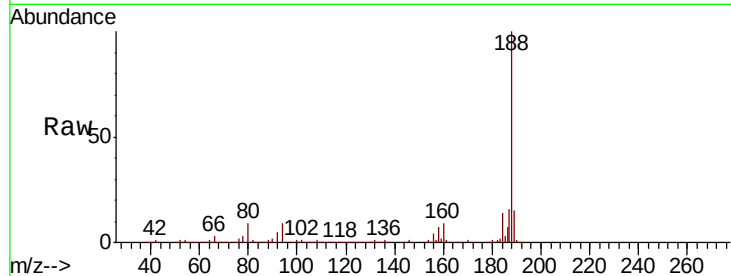
ClientSampleId :

TP-14-D

Tot Ion:	188	Resp:	579783
Ion Ratio	Lower	Upper	
188	100		
94	8.5	8.2	12.4
80	9.4	9.0	13.6

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#71

Phenanthrene

Concen: 3.113 ng

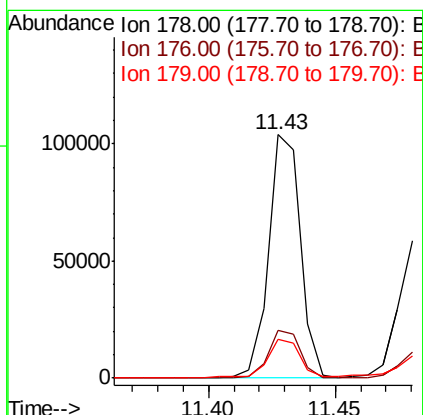
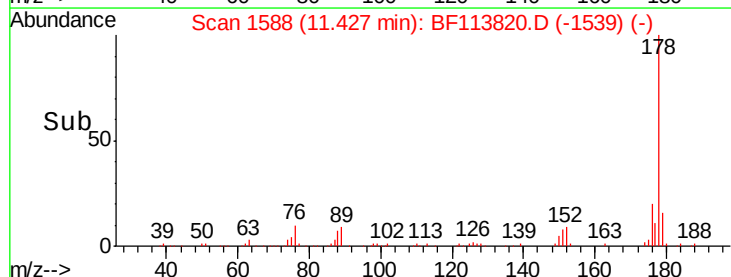
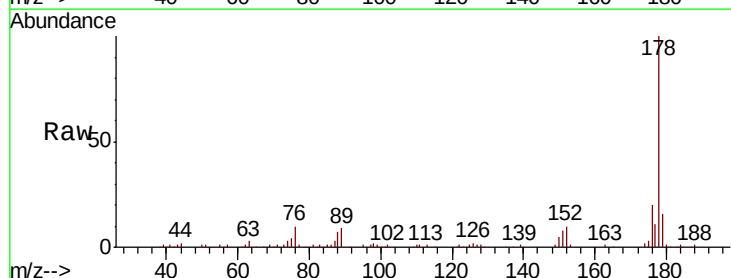
RT: 11.43 min Scan# 1588

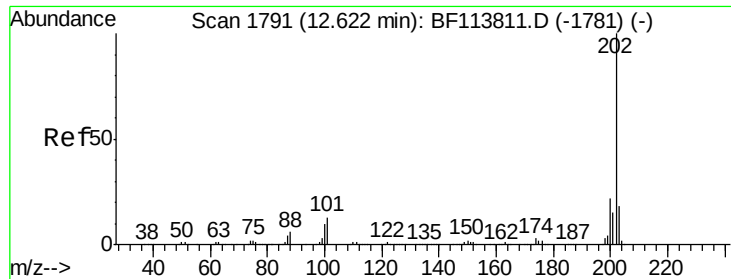
Delta R.T. -0.01 min

Lab File: BF113820.D

Acq: 18 Apr 2019 16:38

Tgt Ion:	178	Resp:	91931
Ion Ratio	Lower	Upper	
178	100		
176	19.9	16.1	24.1
179	15.8	12.8	19.2





#75

Fluoranthene

Concen: 3.702 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.01 min

Lab File: BF113820.D

Acq: 18 Apr 2019 16:38

Instrument :

BNA_F

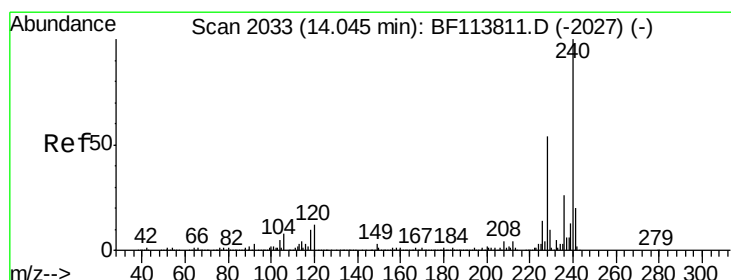
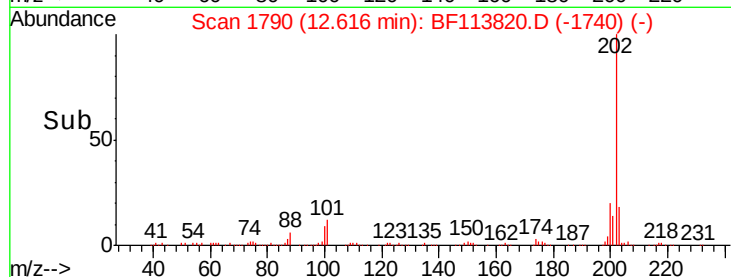
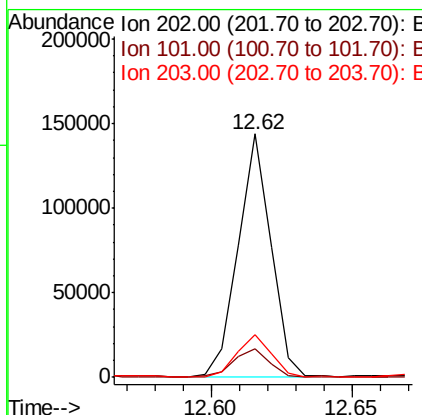
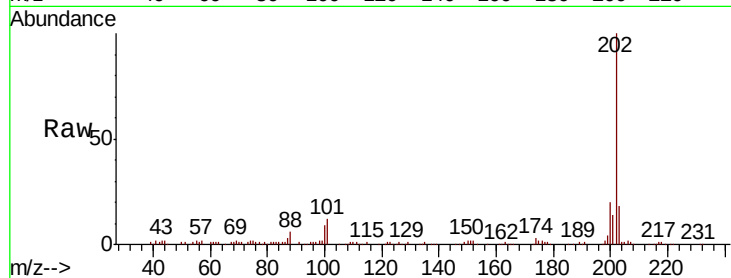
ClientSampleId :

TP-14-D

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	11.8	0.0	32.9		
203	17.8	0.0	38.2		

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#76

Chrysene-d12

Concen: 20.000 ng

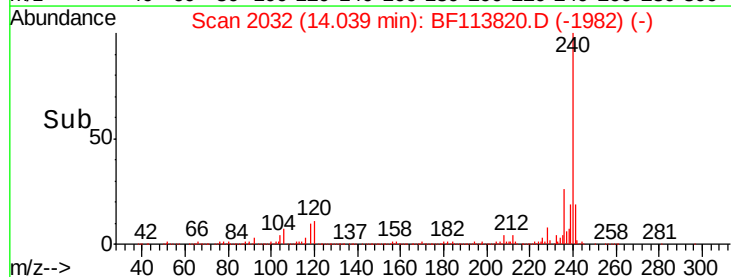
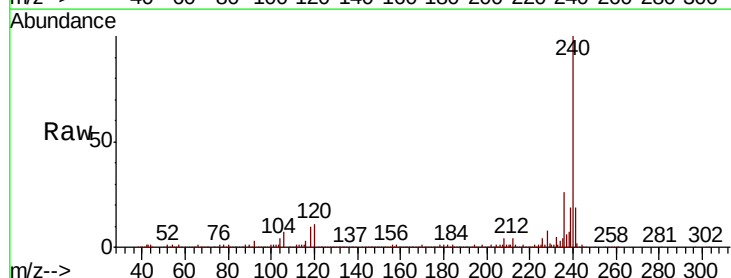
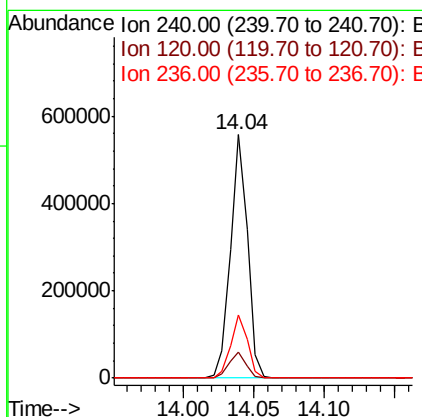
RT: 14.04 min Scan# 2032

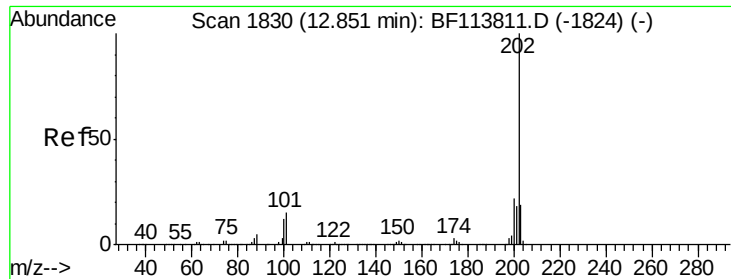
Delta R.T. -0.01 min

Lab File: BF113820.D

Acq: 18 Apr 2019 16:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	10.6	9.3	13.9		
236	25.9	21.2	31.8		





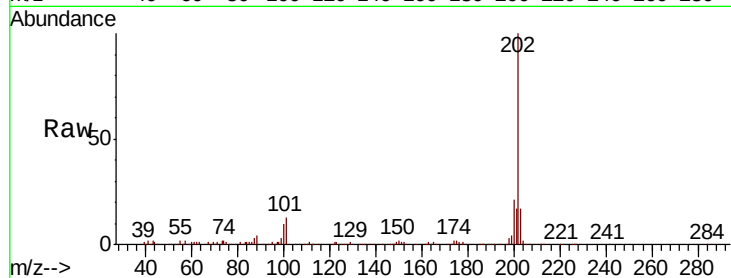
#78
Pvrene
Concen: 5.342 ng
RT: 12.85 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BF113820.D
Acq: 18 Apr 2019 16:38

Instrument :
BNA_F
ClientSampled :
TP-14-D

Tot Ion	Ratio	Resp	Lower	Upper
202	100	176080		
200	20.6		17.7	26.5
203	17.4		15.0	22.6

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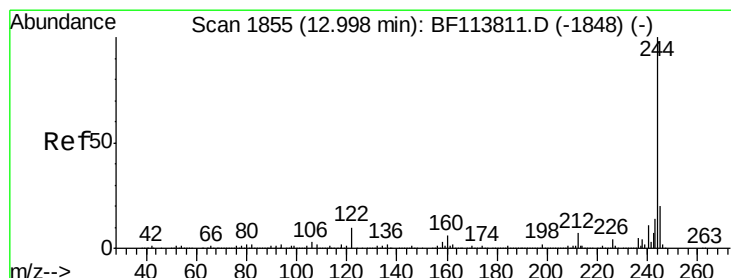
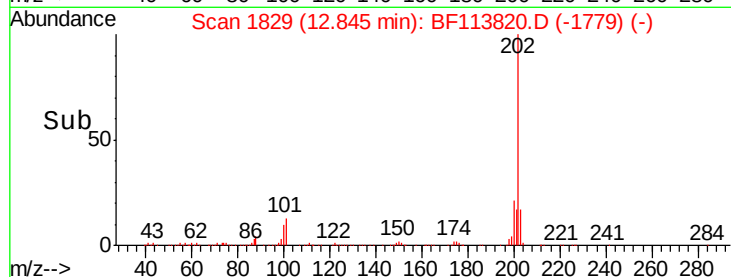
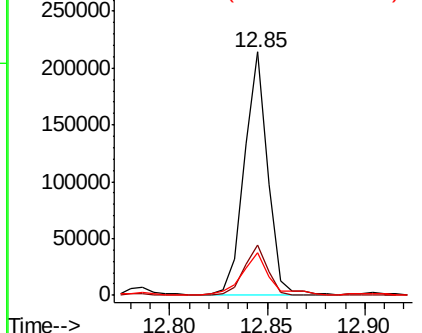


Abundance

Ion 202.00 (201.70 to 202.70): E

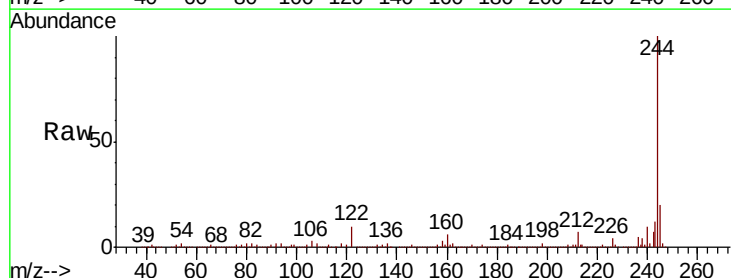
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79
Terphenyl-d14
Concen: 66.661 ng
RT: 12.99 min Scan# 1854
Delta R.T. -0.01 min
Lab File: BF113820.D
Acq: 18 Apr 2019 16:38

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	1486777		
212	6.7		5.4	8.2
122	9.8		7.6	11.4

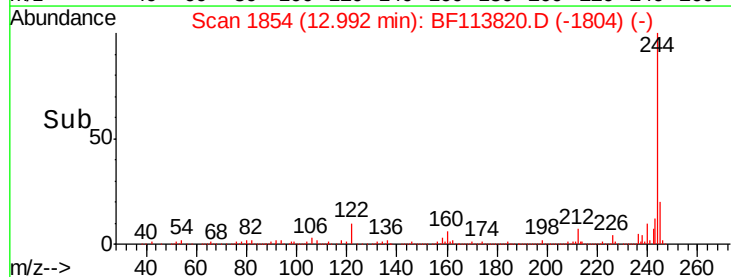
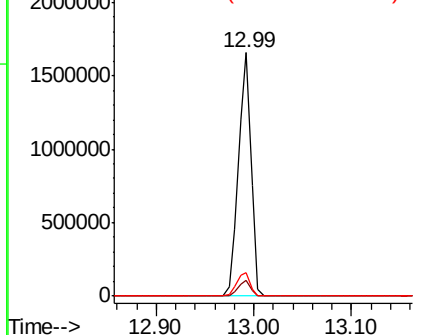


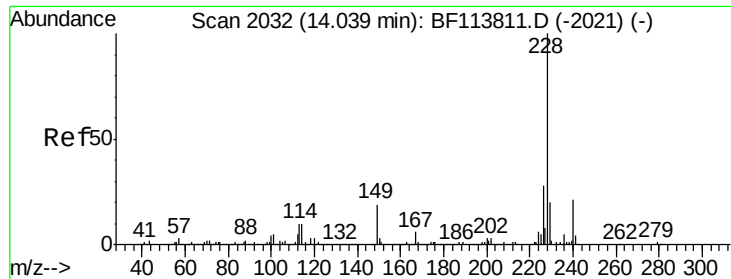
Abundance

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





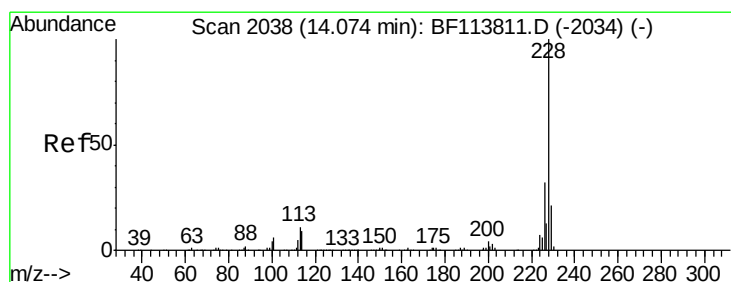
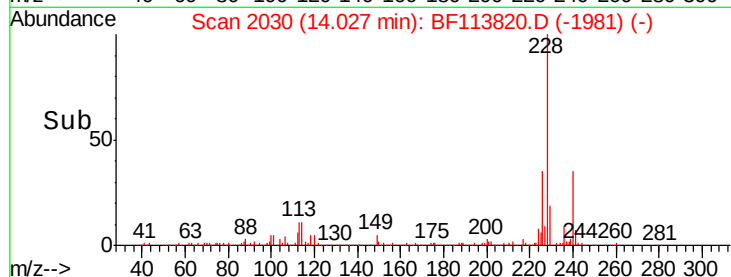
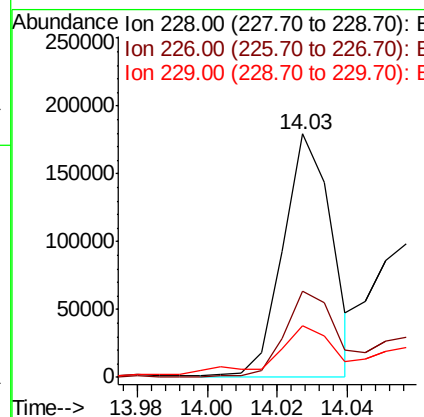
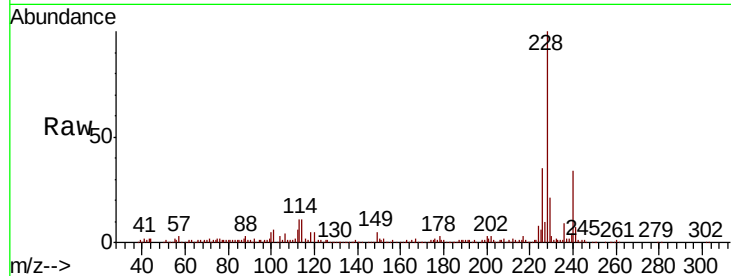
#81
Benzo(a)anthracene
Concen: 6.278 ng m
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF113820.D
Acq: 18 Apr 2019 16:38

Instrument :
BNA_F
ClientSampled :
TP-14-D

Tot Ion	Ratio	Lower	Upper
228	100		
226	35.3	22.2	33.2#
229	21.0	16.0	24.0

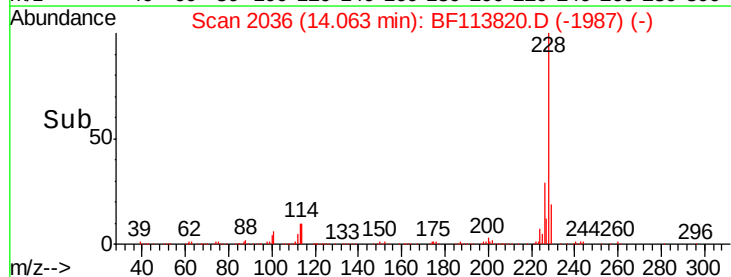
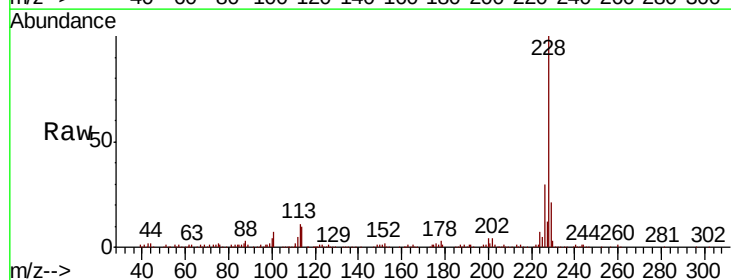
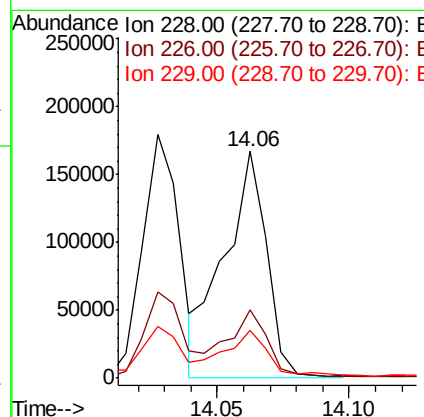
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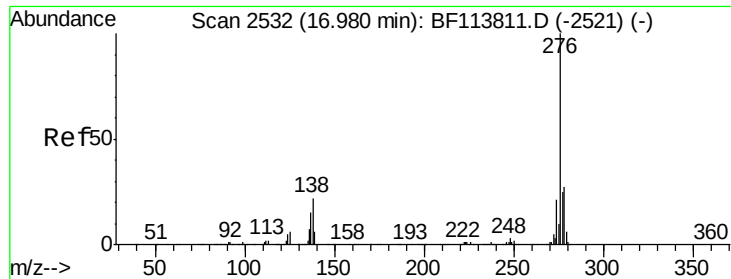
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#83
Chrysene
Concen: 7.048 ng m
RT: 14.06 min Scan# 2036
Delta R.T. -0.01 min
Lab File: BF113820.D
Acq: 18 Apr 2019 16:38

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.2	37.8
229	21.0	16.7	25.1





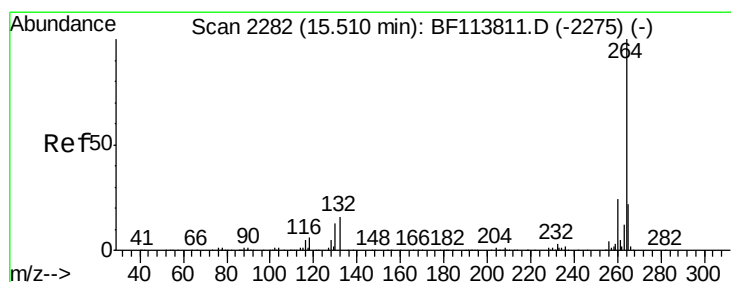
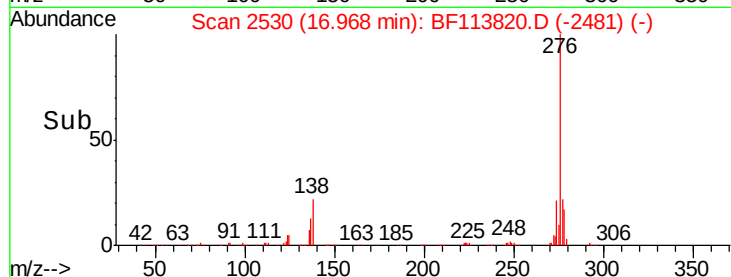
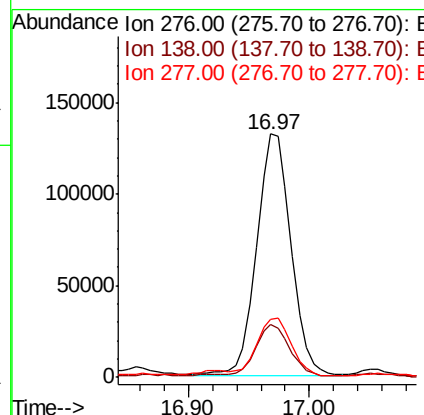
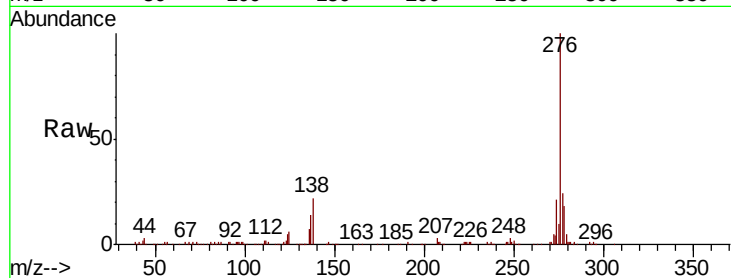
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 11.731 ng
 RT: 16.97 min Scan# 2530
 Delta R.T. -0.01 min
 Lab File: BF113820.D
 Acq: 18 Apr 2019 16:38

Instrument :
 BNA_F
 ClientSampleId :
 TP-14-D

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.0	19.6	29.4
277	24.2	20.2	30.4

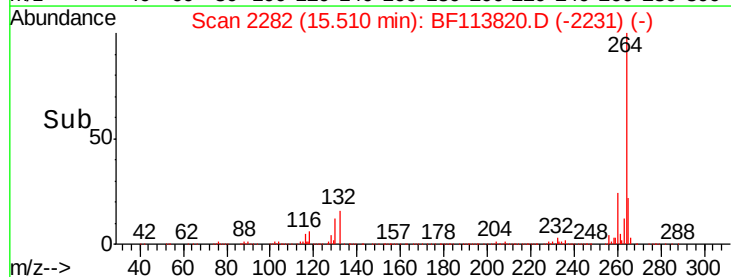
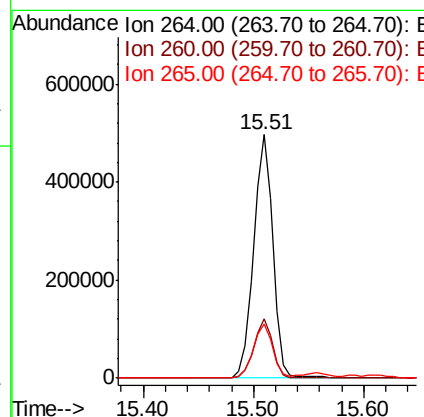
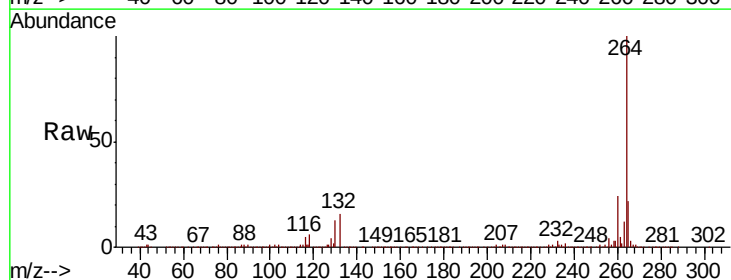
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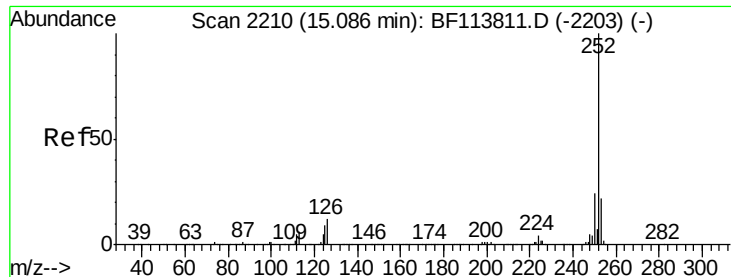
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.51 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: BF113820.D
 Acq: 18 Apr 2019 16:38

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	18.9	28.3
265	22.2	17.3	25.9





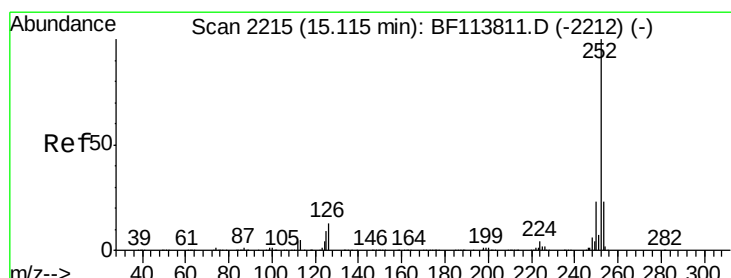
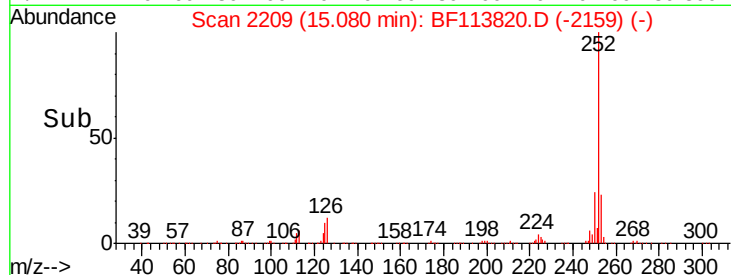
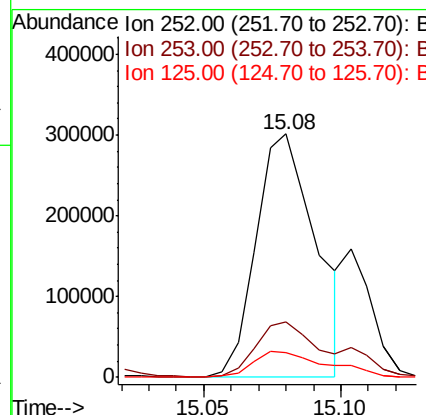
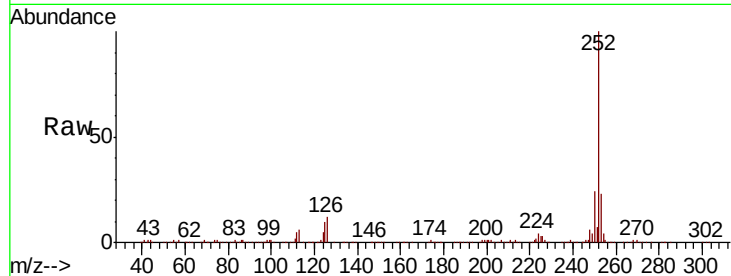
#88
Benzo(b)fluoranthene
Concen: 12.103 ng m
RT: 15.08 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BF113820.D
Acq: 18 Apr 2019 16:38

Instrument :
BNA_F
ClientSampleId :
TP-14-D

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.6
125	10.3	7.0	10.6

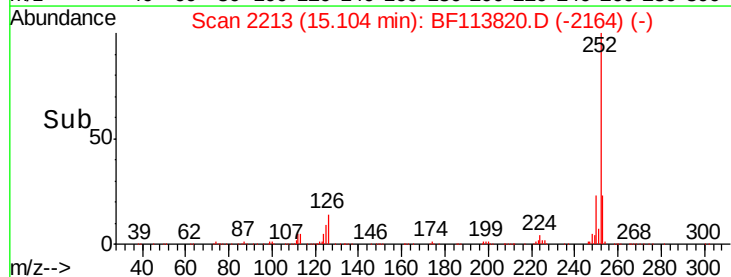
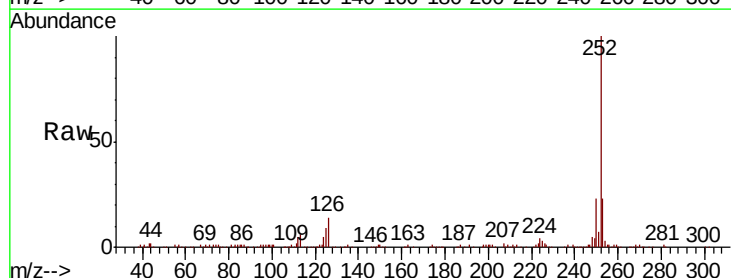
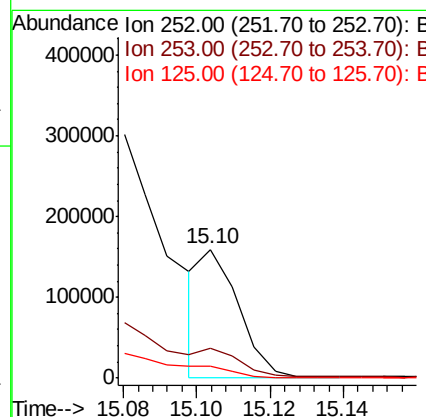
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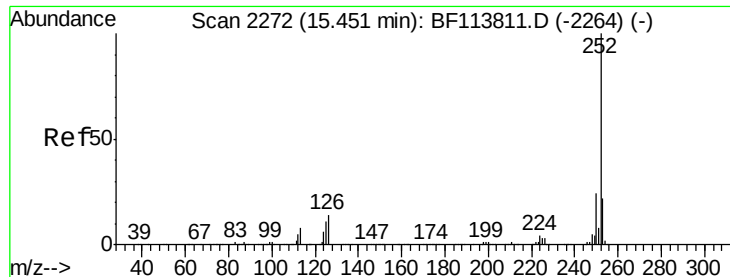
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#89
Benzo(k)fluoranthene
Concen: 3.325 ng m
RT: 15.10 min Scan# 2213
Delta R.T. -0.01 min
Lab File: BF113820.D
Acq: 18 Apr 2019 16:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.2	27.2
125	9.0	7.4	11.2





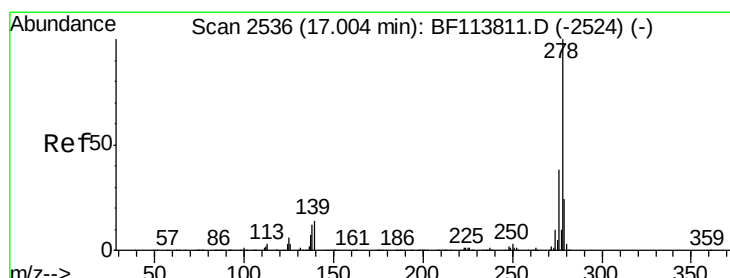
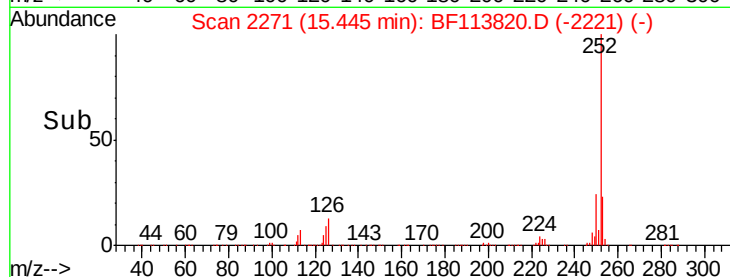
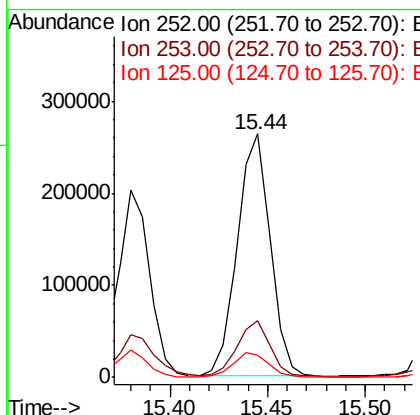
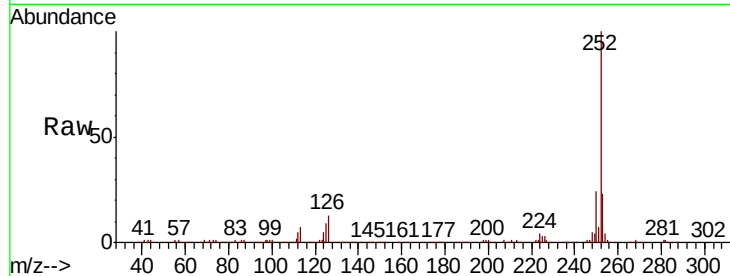
#90
Benzo(a)pyrene
Concen: 9.201 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.01 min
Lab File: BF113820.D
Acq: 18 Apr 2019 16:38

Instrument :
BNA_F
ClientSampleId :
TP-14-D

Tot Ion	Ratio	Resp	Lower	Upper
252	100	308537		
253	23.1		17.5	26.3
125	9.4		8.5	12.7

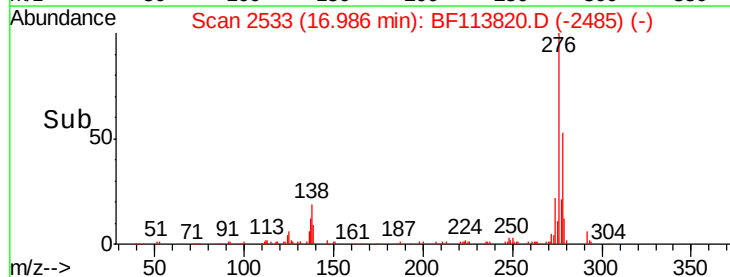
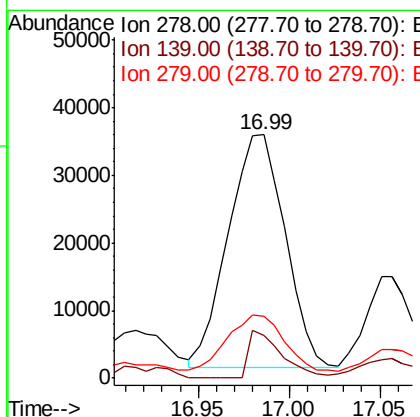
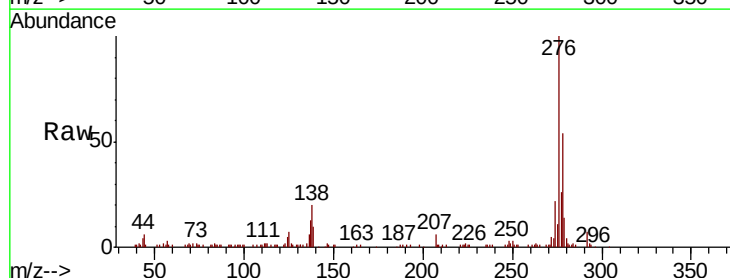
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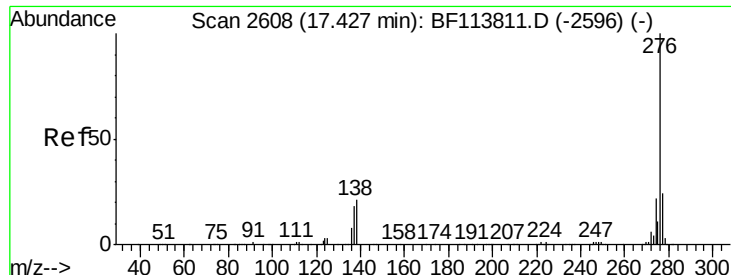
Sohil
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#91
Dibenzo(a,h)anthracene
Concen: 2.509 ng m
RT: 16.99 min Scan# 2533
Delta R.T. -0.02 min
Lab File: BF113820.D
Acq: 18 Apr 2019 16:38

Tgt Ion	Ratio	Resp	Lower	Upper
278	100	74846		
139	17.7		11.6	17.4#
279	25.6		19.0	28.6





#92
 Benzo(a,h,i)perylene
 Concen: 7.766 ng
 RT: 17.42 min Scan# 2606
 Delta R.T. -0.01 min
 Lab File: BF113820.D
 Acq: 18 Apr 2019 16:38

Instrument :
 BNA_F
 ClientSampleId :
 TP-14-D

Tot Ion:	276	Resp:	235505
Ion Ratio	Lower	Upper	
276	100		
277	23.3	19.0	28.4
138	21.1	16.6	25.0

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