

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030119\
 Data File : BF112813.D
 Acq On : 1 Mar 2019 21:20
 Operator : JU/SJ
 Sample : K1675-17 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 Z-4-A-B

Manual Integrations
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 3/4/2019 4:55:38 PM

Quant Time: Mar 02 00:37:13 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 15:40:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	157278	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	560089	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	213978	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	404436	20.00	ng	0.00
76) Chrysene-d12	13.87	240	435091	20.00	ng	0.00
87) Perylene-d12	15.29	264	322277	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	207646	20.54	ng	0.00
7) Phenol-d6	6.36	99	263800	20.77	ng	0.00
23) Nitrobenzene-d5	7.30	82	139543	14.91	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	53566	23.58	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	239733	14.14	ng	0.00
79) Terphenyl-d14	12.83	244	250304	11.15	ng	0.00
Target Compounds						
71) Phenanthrene	11.27	178	62910	3.126	ng	96
75) Fluoranthene	12.46	202	173646	8.055	ng	96
78) Pyrene	12.68	202	165375	4.509	ng	98
81) Benzo(a)anthracene	13.86	228	93089	3.087	ng	99
83) Chrysene	13.90	228	90186	3.053	ng	96
88) Benzo(b)fluoranthene	14.89	252	111985m	5.372	ng	
90) Benzo(a)pyrene	15.22	252	62869	3.410	ng	98
92) Benzo(g,h,i)perylene	17.05	276	36279	2.296	ng	94

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

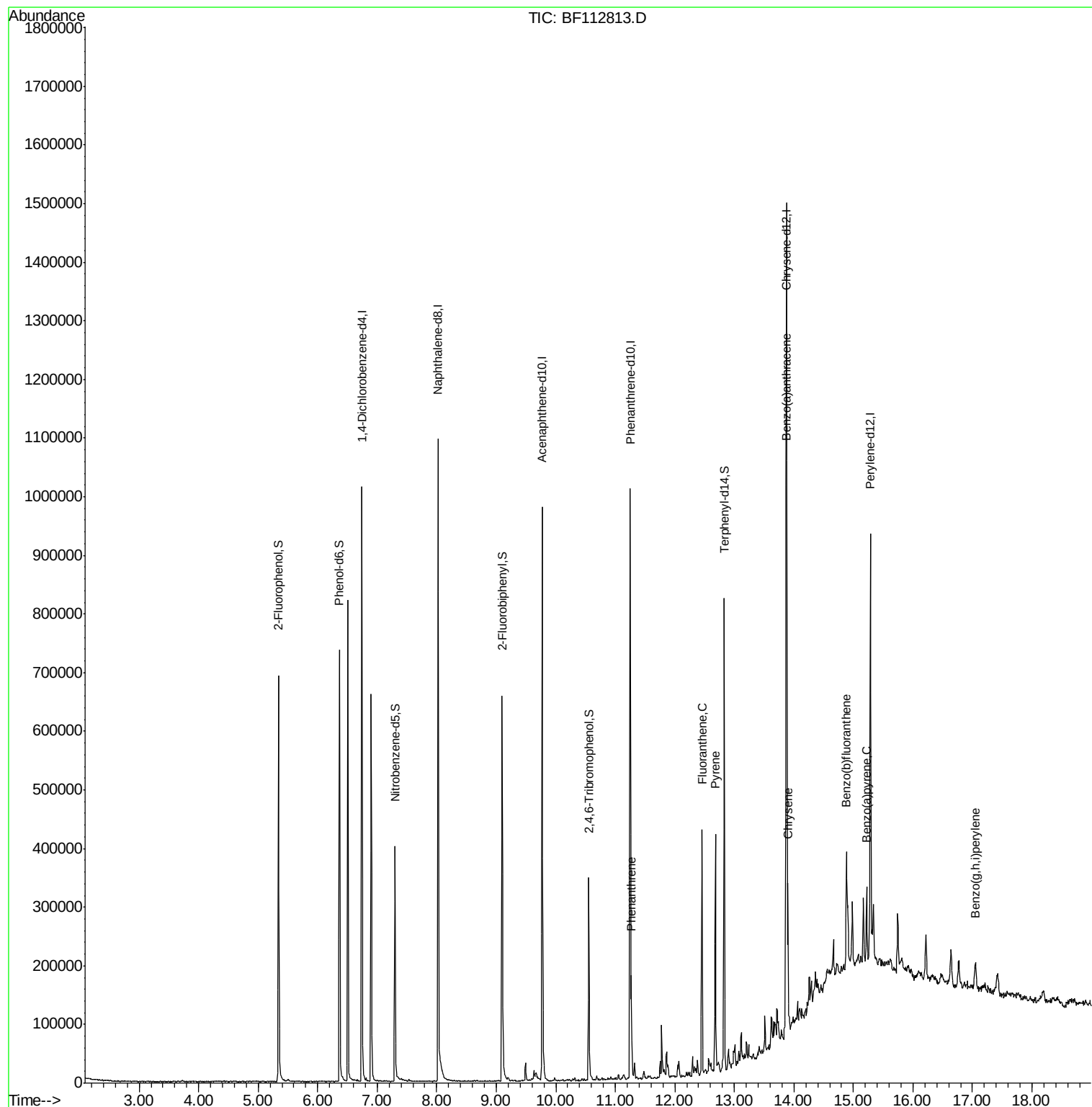
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030119\
Data File : BF112813.D
Acq On : 1 Mar 2019 21:20
Operator : JU/SJ
Sample : K1675-17 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

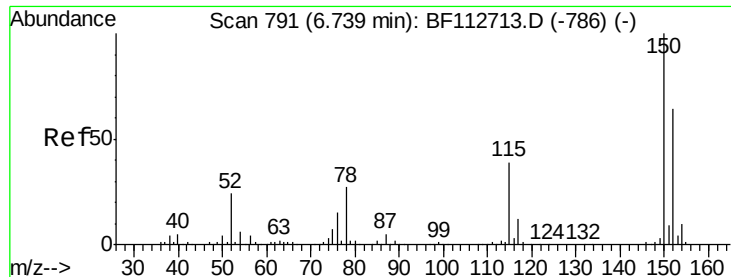
Instrument :
BNA_F
ClientSampleId :
Z-4-A-B

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Quant Time: Mar 02 00:37:13 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 01 15:40:43 2019
Response via : Initial Calibration





#1

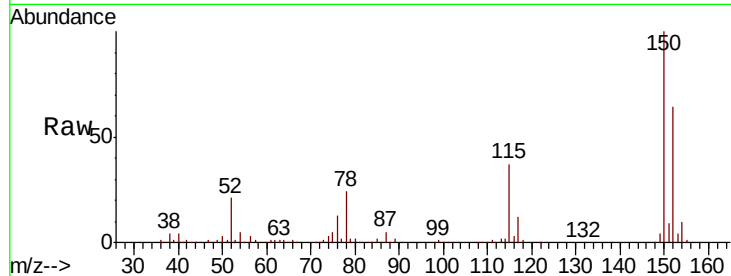
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 792
Delta R.T. 0.01 min
Lab File: BF112813.D
Acq: 1 Mar 2019 21:20

Instrument :
BNA_F
ClientSampled :
Z-4-A-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	124.2	186.2
115	57.9	48.2	72.4

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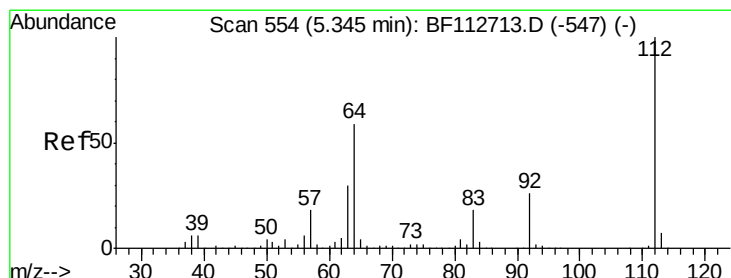
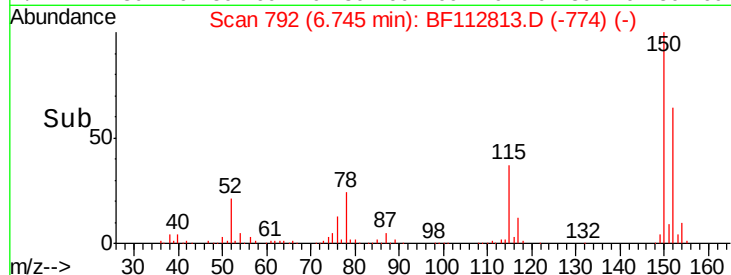
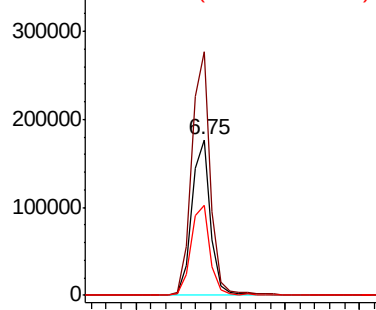


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

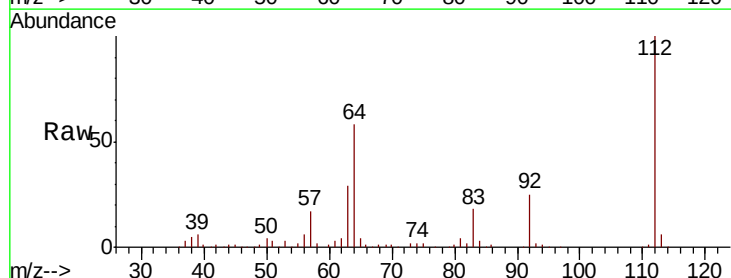
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 20.537 ng
RT: 5.35 min Scan# 554
Delta R.T. 0.00 min
Lab File: BF112813.D
Acq: 1 Mar 2019 21:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.8	47.6	71.4
63	28.8	24.4	36.6

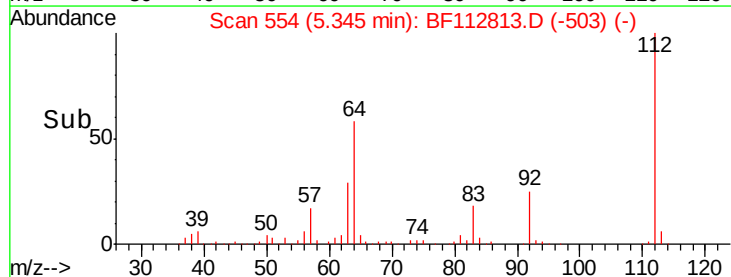
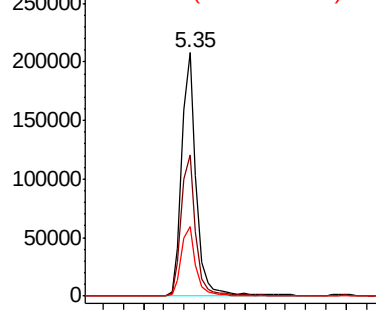


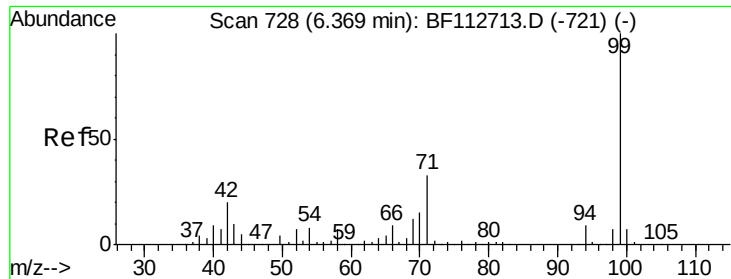
Abundance

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





#7

Phenol-d6

Concen: 20.770 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF112813.D

Acq: 1 Mar 2019 21:20

Instrument :

BNA_F

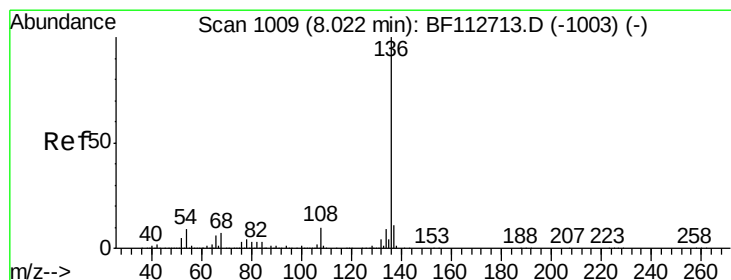
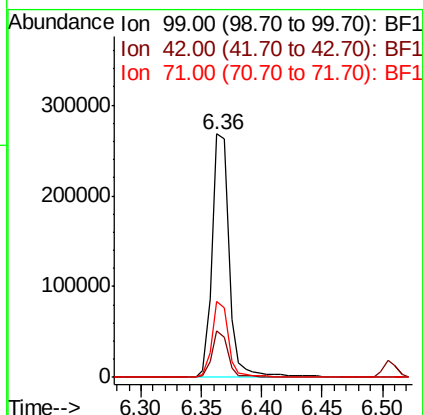
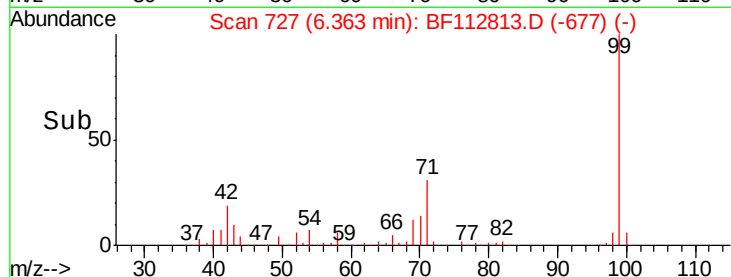
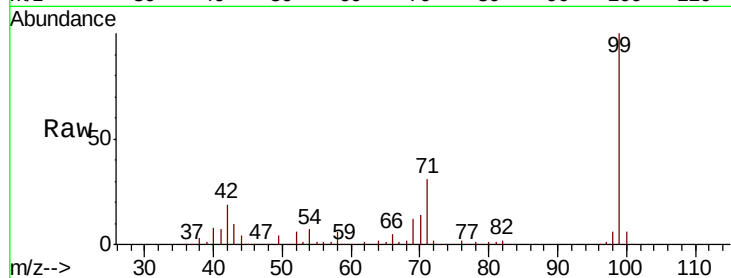
ClientSampleId :

Z-4-A-B

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		263800		
42	19.0	16.3	24.5		
71	31.3	26.2	39.4		

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#21

Naphthalene-d8

Concen: 20.000 ng

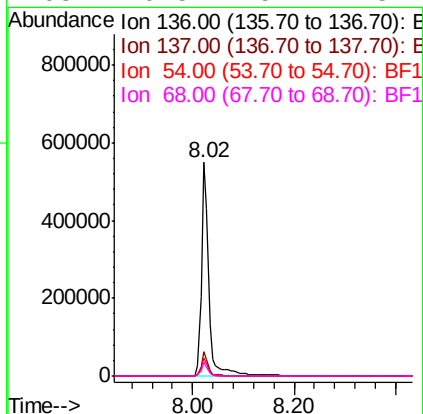
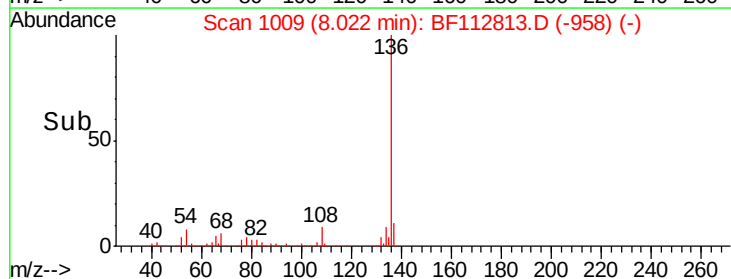
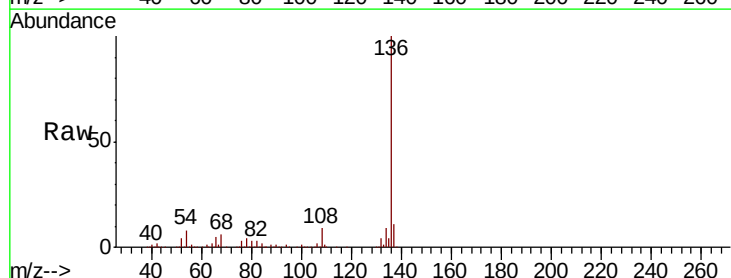
RT: 8.02 min Scan# 1009

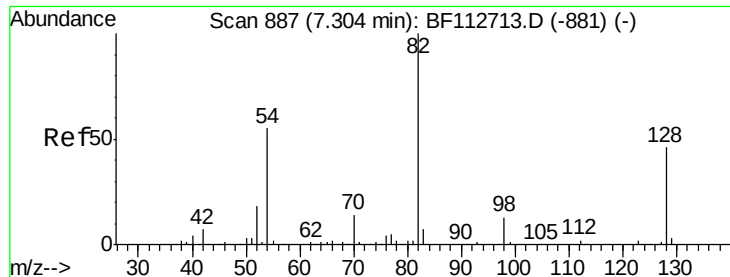
Delta R.T. 0.00 min

Lab File: BF112813.D

Acq: 1 Mar 2019 21:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		560089		
137	11.2	8.9	13.3		
54	8.3	7.3	10.9		
68	6.5	5.4	8.2		





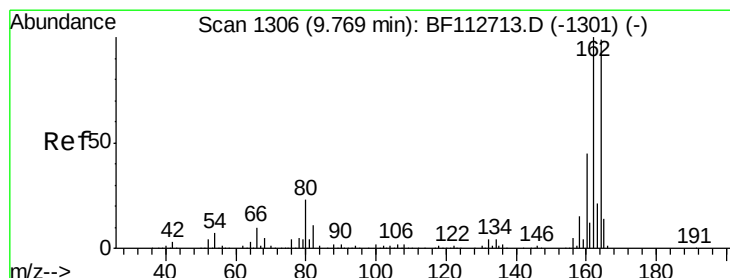
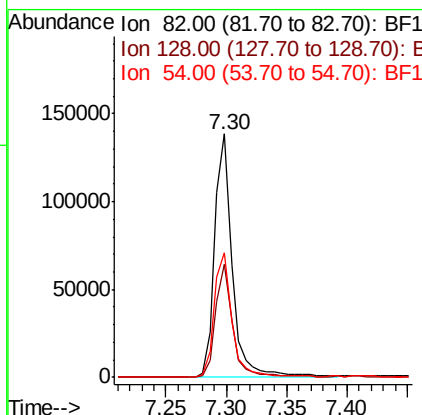
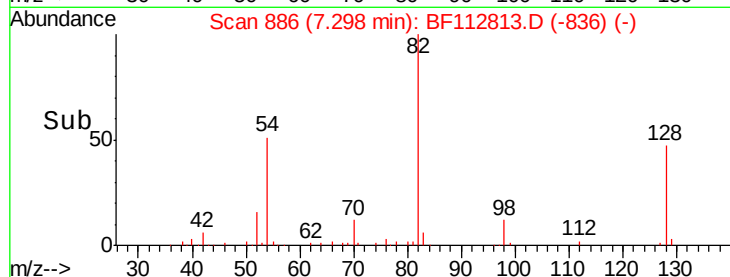
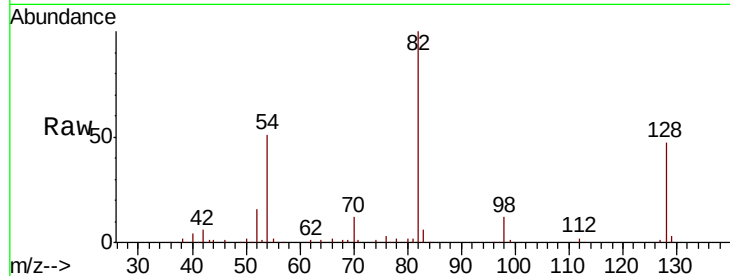
#23
Nitrobenzene-d5
Concen: 14.908 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF112813.D
Acq: 1 Mar 2019 21:20

Instrument :
BNA_F
ClientSampled :
Z-4-A-B

Tot Ion	Ratio	Resp	Lower	Upper
82	100	139543		
128	46.6	36.3	54.5	
54	51.3	43.7	65.5	

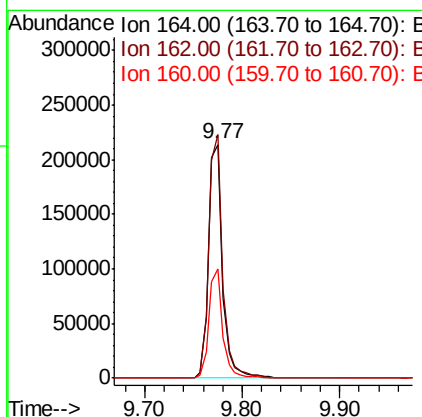
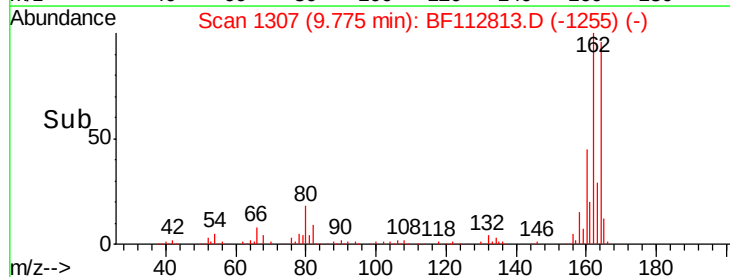
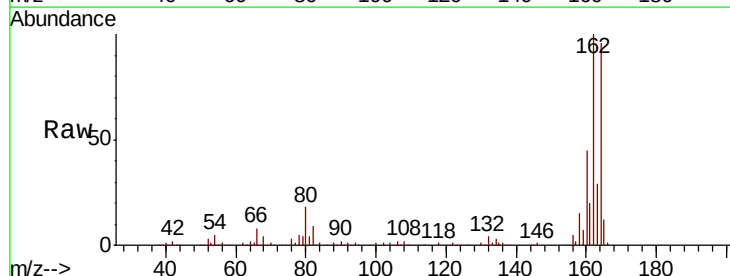
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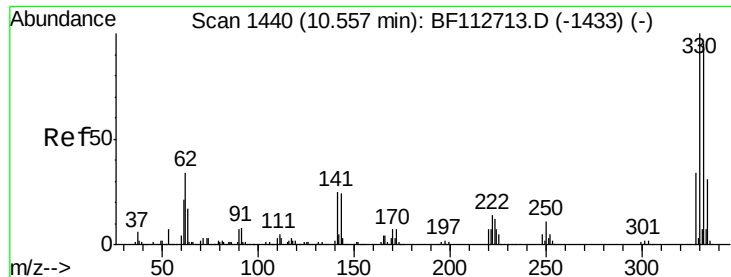
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1307
Delta R.T. 0.01 min
Lab File: BF112813.D
Acq: 1 Mar 2019 21:20

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	213978		
162	104.1	80.6	120.8	
160	46.8	36.0	54.0	





#42

2,4,6-Tribromophenol

Concen: 23.580 ng

RT: 10.56 min Scan# 1440

Delta R.T. 0.00 min

Lab File: BF112813.D

Acq: 1 Mar 2019 21:20

Instrument :

BNA_F

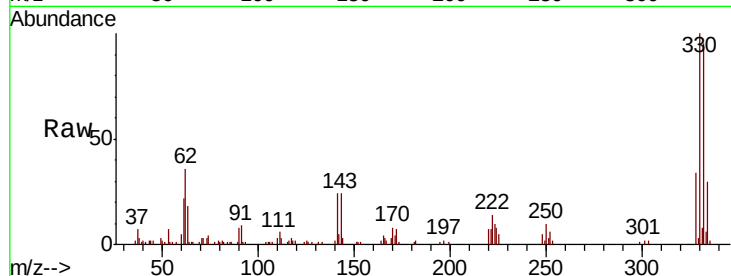
ClientSampled :

Z-4-A-B

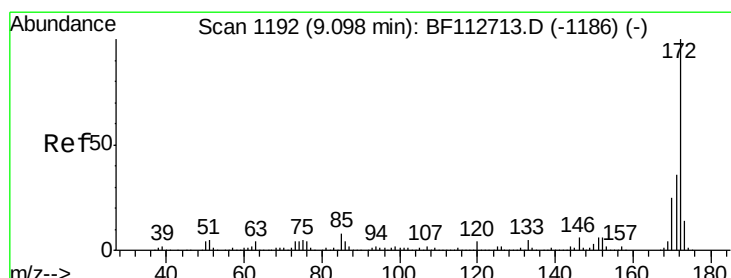
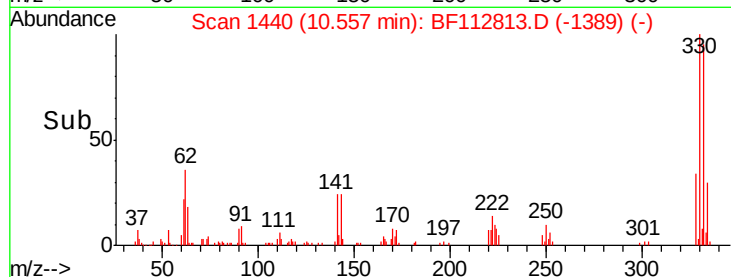
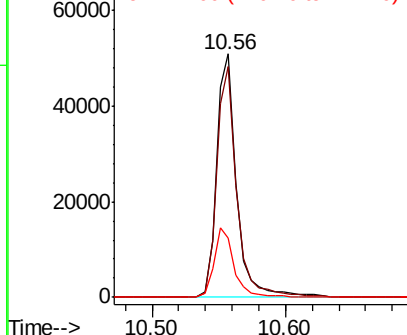
Tot Ion:	330	Resp:	53566
Ion Ratio	Lower	Upper	
330	100		
332	95.5	76.2	114.4
141	28.7	27.0	40.6

Manual Integrations
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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: 14.136 ng

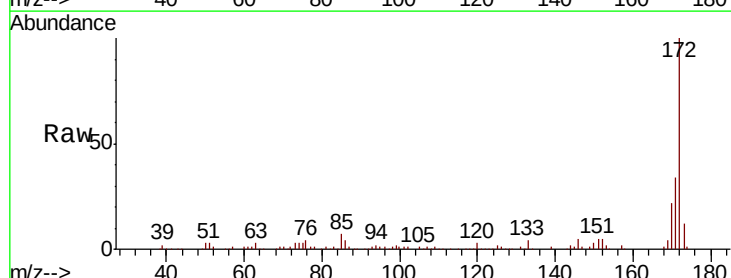
RT: 9.10 min Scan# 1192

Delta R.T. 0.00 min

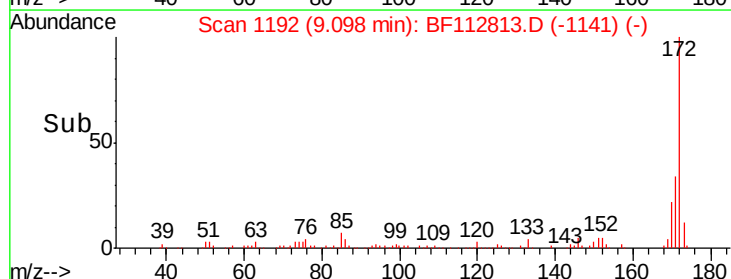
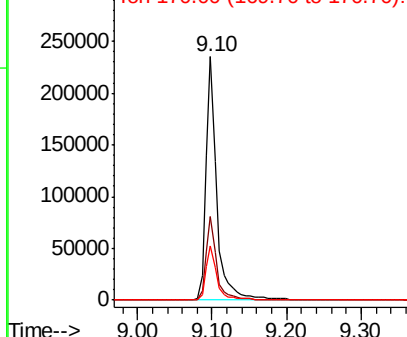
Lab File: BF112813.D

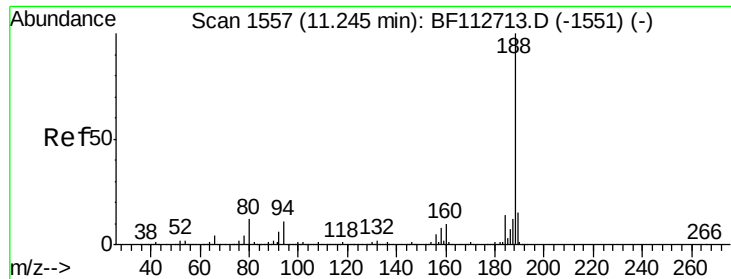
Acq: 1 Mar 2019 21:20

Tgt Ion:	172	Resp:	239733
Ion Ratio	Lower	Upper	
172	100		
171	34.4	29.0	43.4
170	22.5	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





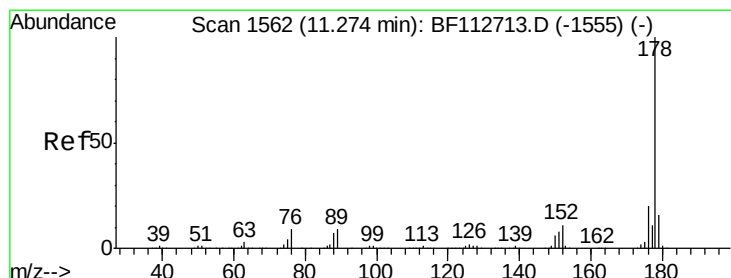
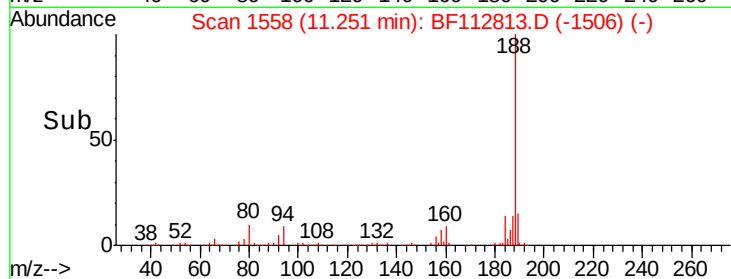
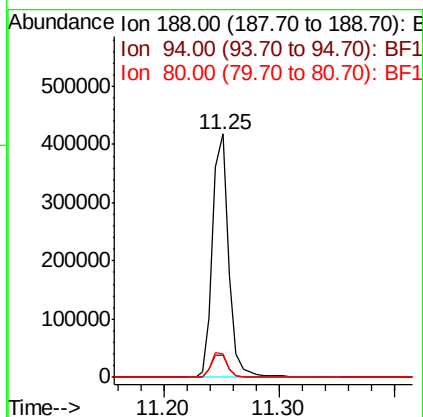
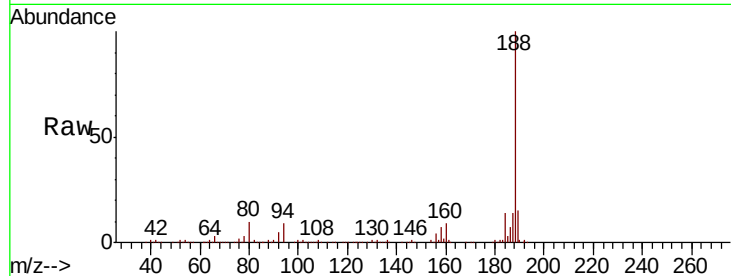
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. 0.01 min
Lab File: BF112813.D
Acq: 1 Mar 2019 21:20

Instrument :
BNA_F
ClientSampled :
Z-4-A-B

Tot Ion	Ratio	Resp	Lower	Upper
188	100	404436		
94	9.2		9.0	13.4
80	9.6		9.2	13.8

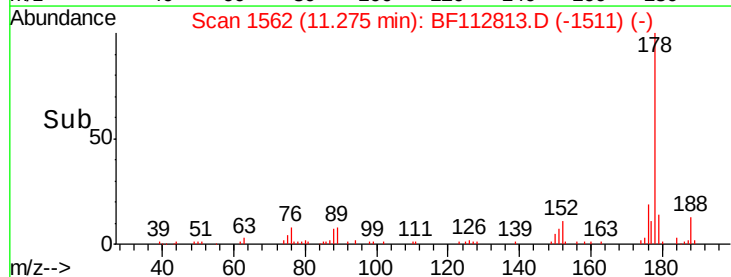
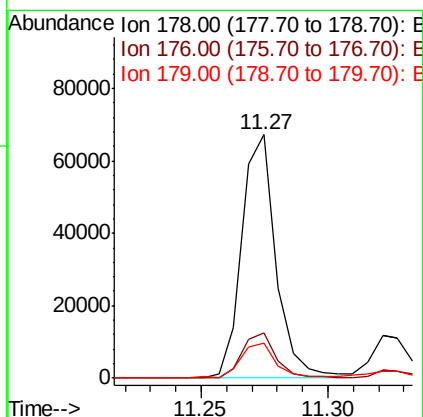
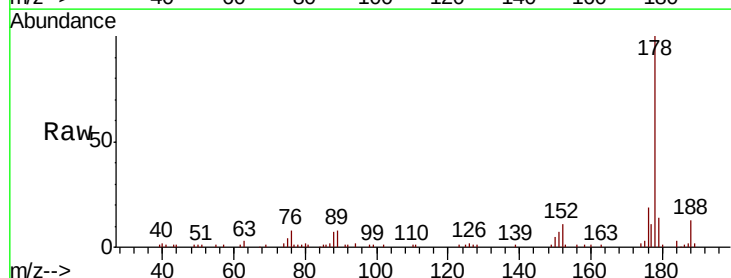
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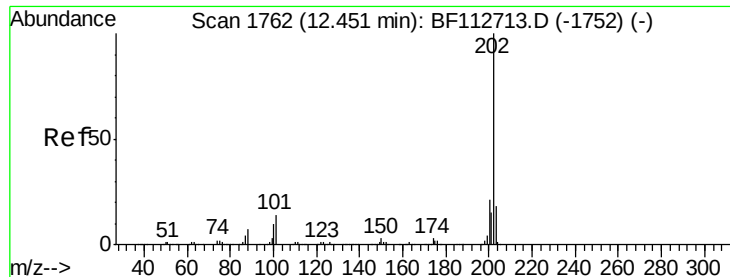
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#71
Phenanthrene
Concen: 3.126 ng
RT: 11.27 min Scan# 1562
Delta R.T. 0.00 min
Lab File: BF112813.D
Acq: 1 Mar 2019 21:20

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	62910		
176	18.6		16.3	24.5
179	14.5		12.7	19.1





#75

Fluoranthene

Concen: 8.055 ng

RT: 12.46 min Scan# 1763

Delta R.T. 0.01 min

Lab File: BF112813.D

Acq: 1 Mar 2019 21:20

Instrument :

BNA_F

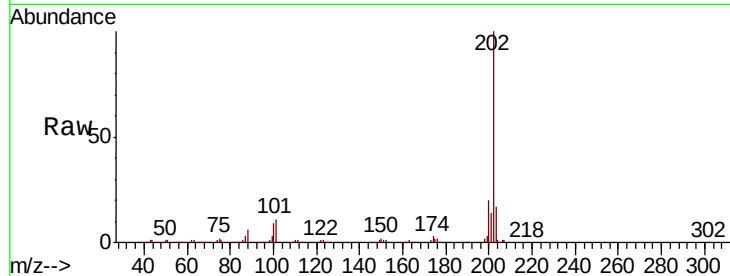
ClientSampled :

Z-4-A-B

Tot Ion:	202	Resp:	173646
Ion Ratio	Lower	Upper	
202	100		
101	11.4	0.0	33.8
203	17.2	0.0	38.4

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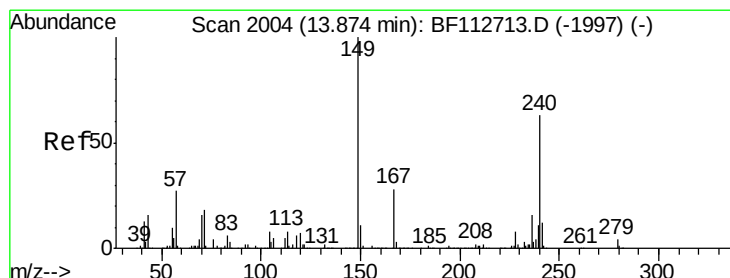
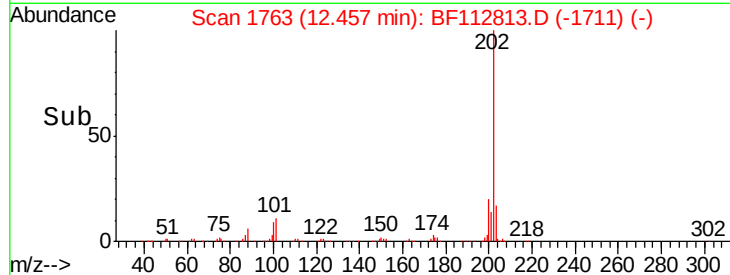
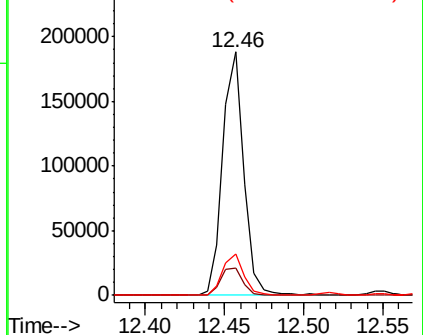


Abundance

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

RT: 13.87 min Scan# 2004

Delta R.T. 0.00 min

Lab File: BF112813.D

Acq: 1 Mar 2019 21:20

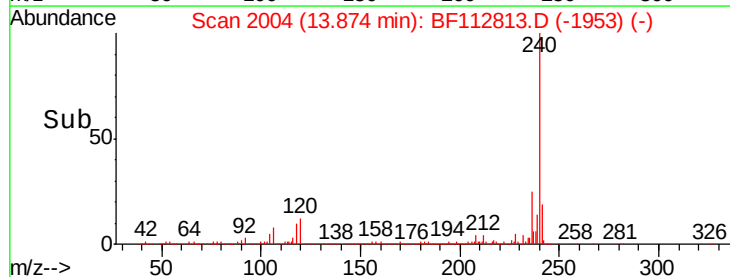
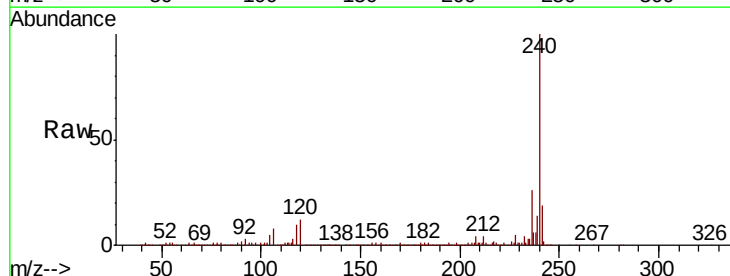
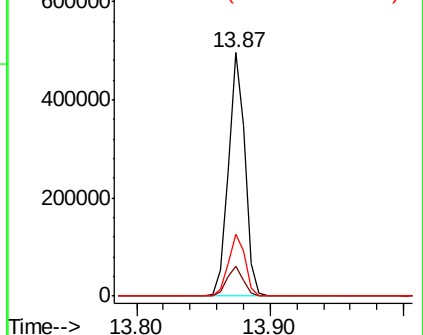
Tgt Ion:	240	Resp:	435091
Ion Ratio	Lower	Upper	
240	100		
120	12.0	8.9	13.3
236	25.6	20.7	31.1

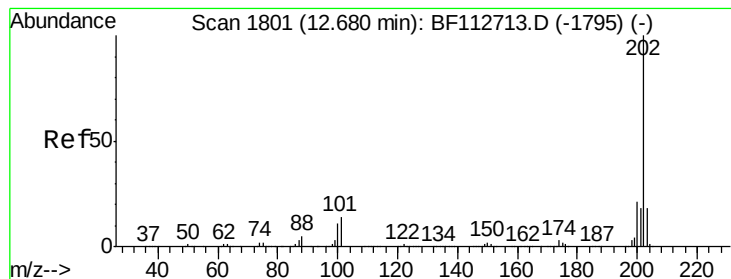
Abundance

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

Pvrene

Concen: 4.509 ng

RT: 12.68 min Scan# 1801

Delta R.T. 0.00 min

Lab File: BF112813.D

Acq: 1 Mar 2019 21:20

Instrument :

BNA_F

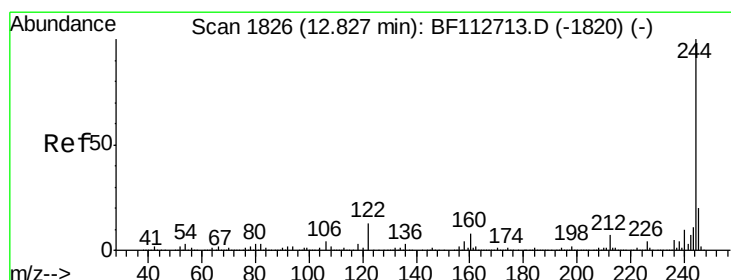
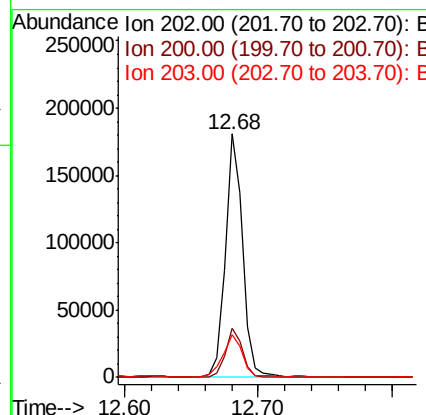
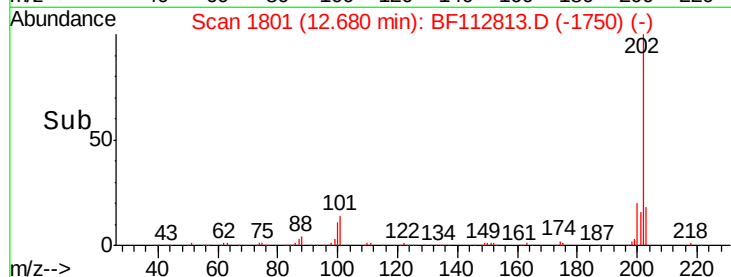
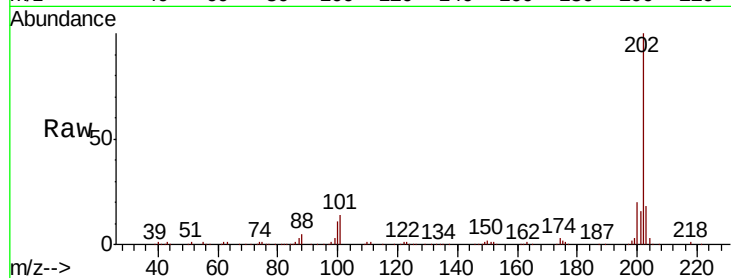
ClientSampled :

Z-4-A-B

Tot Ion:	202	Resp:	165375
Ion Ratio		Lower	Upper
202	100		
200	20.0	17.0	25.4
203	17.8	14.4	21.6

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#79

Terphenyl-d14

Concen: 11.152 ng

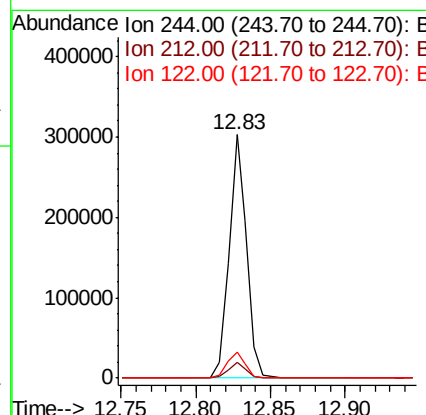
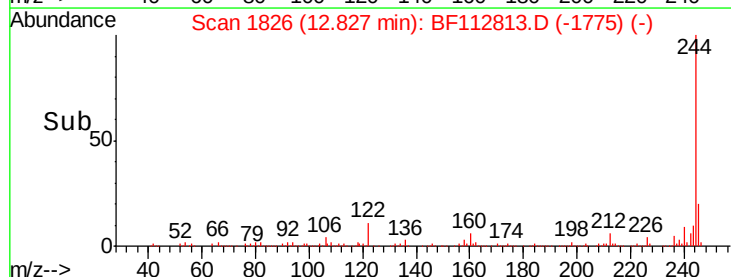
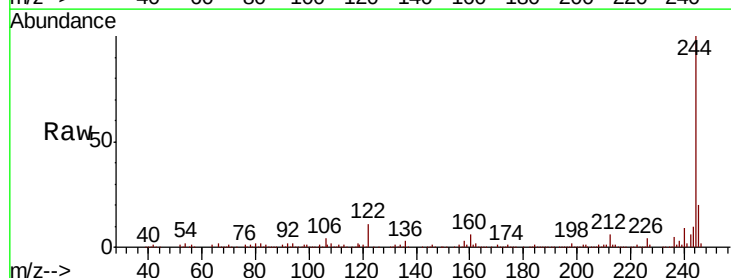
RT: 12.83 min Scan# 1826

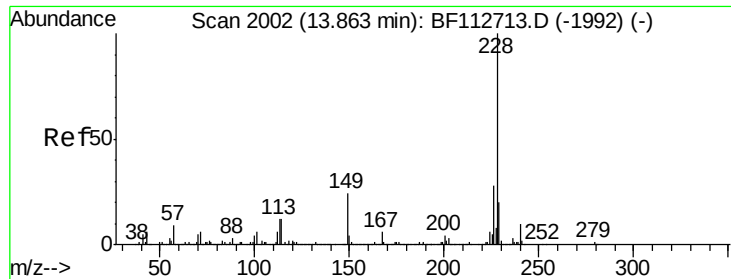
Delta R.T. 0.00 min

Lab File: BF112813.D

Acq: 1 Mar 2019 21:20

Tgt Ion:	244	Resp:	250304
Ion Ratio		Lower	Upper
244	100		
212	6.4	5.6	8.4
122	10.9	10.5	15.7





#81

Benzo(a)anthracene

Concen: 3.087 ng

RT: 13.86 min Scan# 2002

Delta R.T. 0.00 min

Lab File: BF112813.D

Acq: 1 Mar 2019 21:20

Instrument :

BNA_F

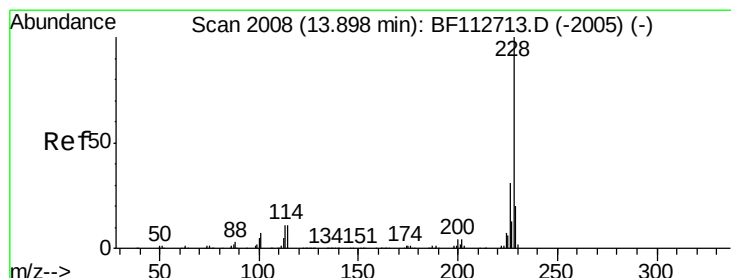
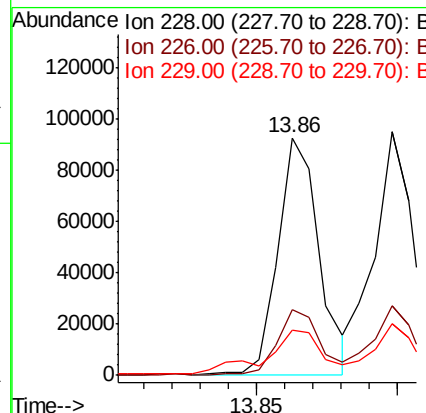
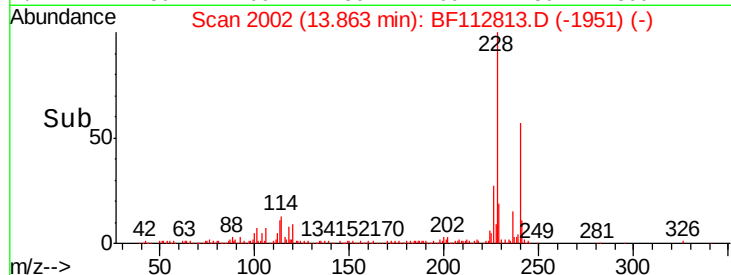
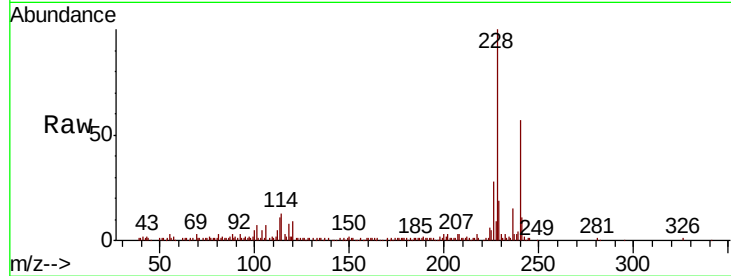
ClientSampleId :

Z-4-A-B

Tot Ion:	228	Resp:	93089
Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.2	33.4
229	19.2	16.0	24.0

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#83

Chrysene

Concen: 3.053 ng

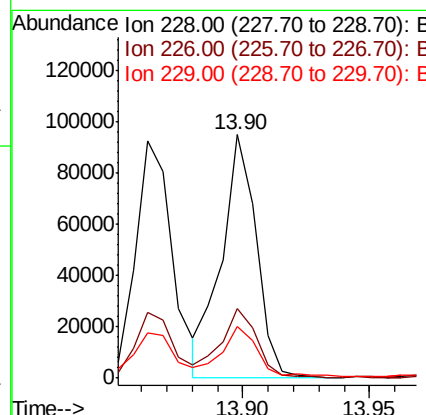
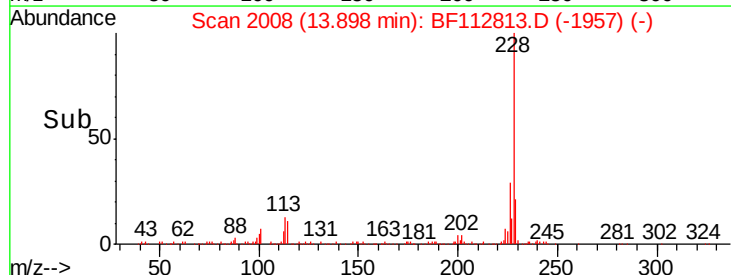
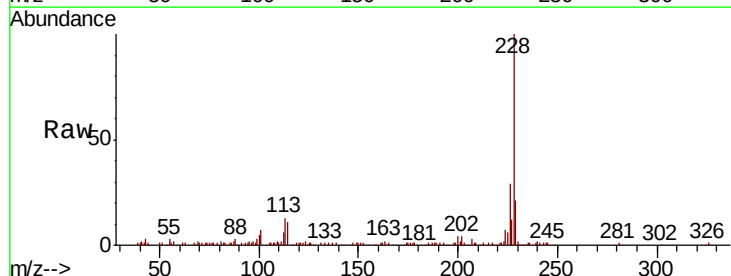
RT: 13.90 min Scan# 2008

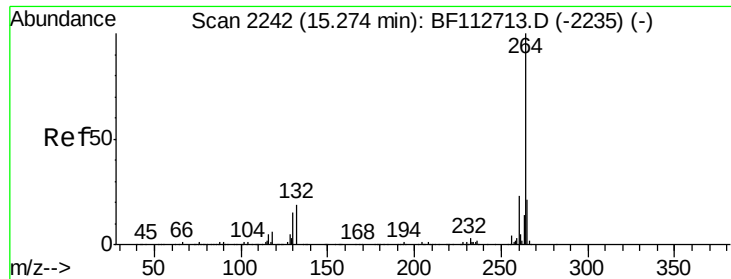
Delta R.T. 0.00 min

Lab File: BF112813.D

Acq: 1 Mar 2019 21:20

Tgt Ion:	228	Resp:	90186
Ion	Ratio	Lower	Upper
228	100		
226	28.6	24.9	37.3
229	21.4	16.3	24.5





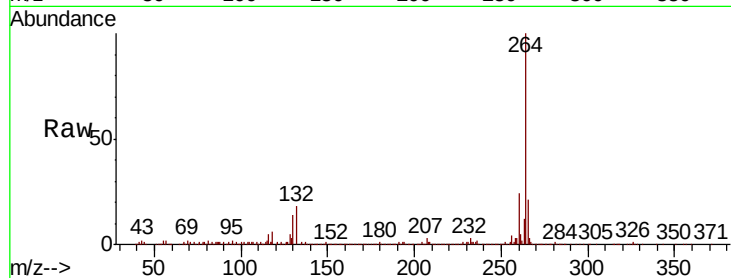
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2244
Delta R.T. 0.01 min
Lab File: BF112813.D
Acq: 1 Mar 2019 21:20

Instrument :
BNA_F
ClientSampled :
Z-4-A-B

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.7	28.1
265	21.3	17.2	25.8

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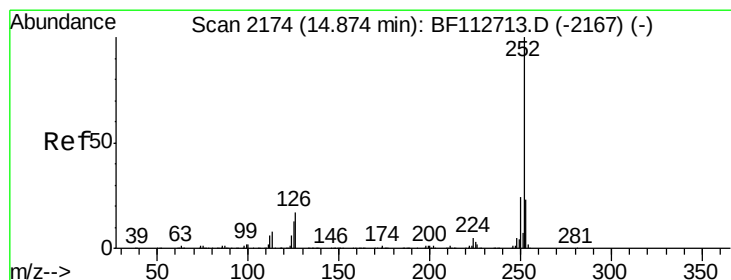
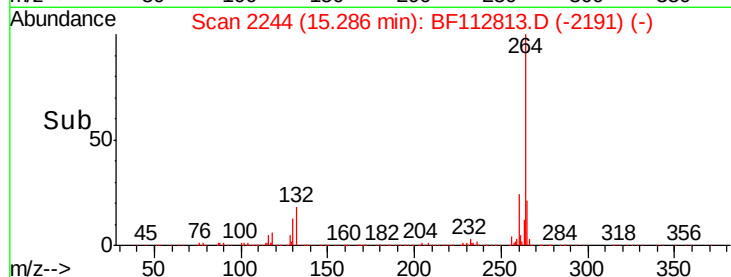
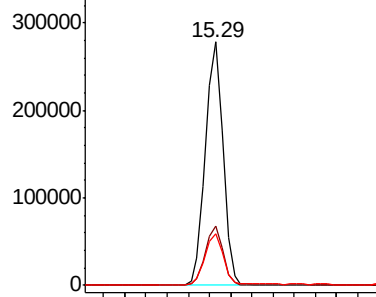


Abundance

Ion 264.00 (263.70 to 264.70): E

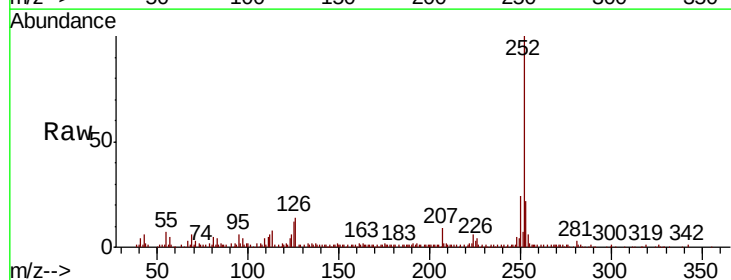
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88
Benzo(b)fluoranthene
Concen: 5.372 ng m
RT: 14.89 min Scan# 2176
Delta R.T. 0.01 min
Lab File: BF112813.D
Acq: 1 Mar 2019 21:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.0	27.0
125	11.8	10.2	15.2

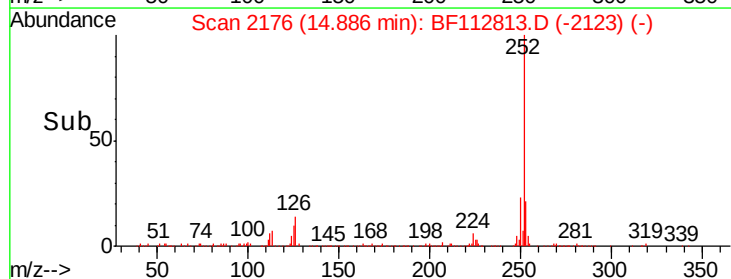
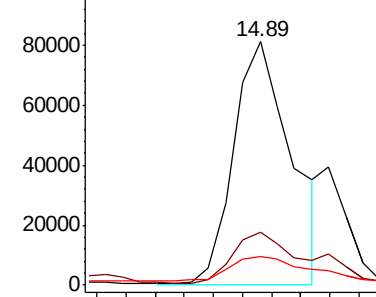


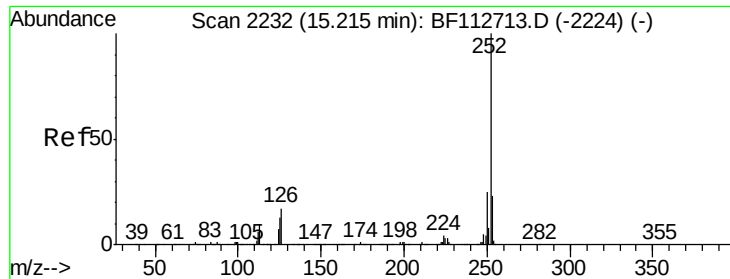
Abundance

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





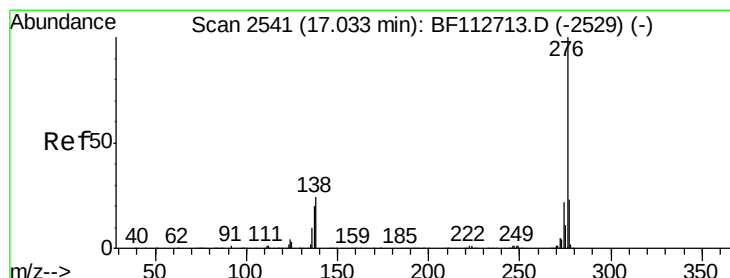
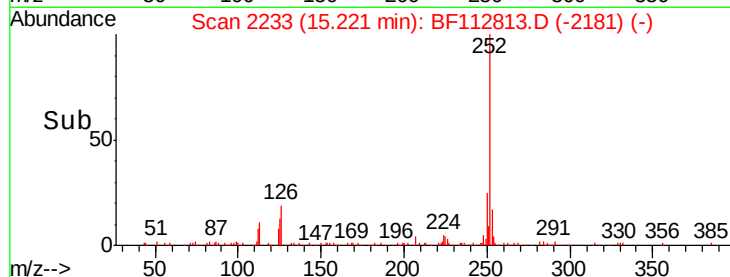
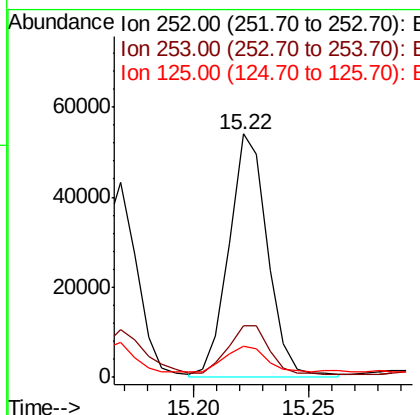
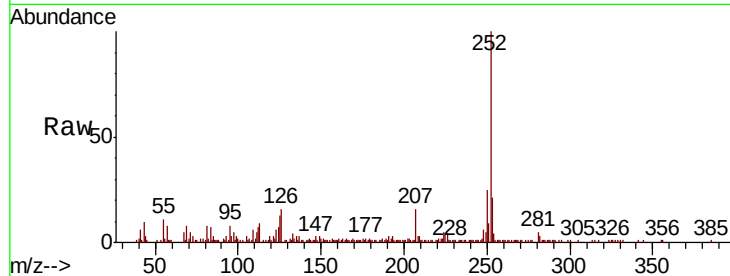
#90
Benzo(a)pyrene
Concen: 3.410 ng
RT: 15.22 min Scan# 2233
Delta R.T. 0.01 min
Lab File: BF112813.D
Acq: 1 Mar 2019 21:20

Instrument :
BNA_F
ClientSampleId :
Z-4-A-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.2	18.0	27.0
125	12.7	10.7	16.1

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 2.296 ng
RT: 17.05 min Scan# 2544
Delta R.T. 0.02 min
Lab File: BF112813.D
Acq: 1 Mar 2019 21:20

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.5	18.6	27.8
138	22.1	19.4	29.0

