

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040319\
 Data File : BF113568.D
 Acq On : 4 Apr 2019 3:19
 Operator : JU/SJ
 Sample : K2178-01 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-16

Manual Integrations
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 4/4/2019 10:58:11 AM

Quant Time: Apr 04 07:34:17 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 04 04:05:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	101707	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	357692	20.00	ng	0.00
39) Acenaphthene-d10	9.72	164	156552	20.00	ng	0.00
64) Phenanthrene-d10	11.20	188	338740	20.00	ng	0.00
76) Chrysene-d12	13.84	240	295870	20.00	ng	0.00
87) Perylene-d12	15.26	264	216980	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	112256	18.82	ng	0.00
7) Phenol-d6	6.33	99	147882	20.12	ng	0.00
23) Nitrobenzene-d5	7.25	82	77154	12.63	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	33605	17.87	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	158283	16.28	ng	0.00
79) Terphenyl-d14	12.79	244	208732	14.36	ng	0.00
Target Compounds						
71) Phenanthrene	11.23	178	58997	3.505	ng	97
75) Fluoranthene	12.42	202	93664	5.193	ng	99
78) Pyrene	12.64	202	81288	3.611	ng	98
81) Benzo(a)anthracene	13.83	228	38603	2.262	ng	96
83) Chrysene	13.87	228	35854m	2.072	ng	
88) Benzo(b)fluoranthene	14.86	252	30772m	2.317	ng	

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

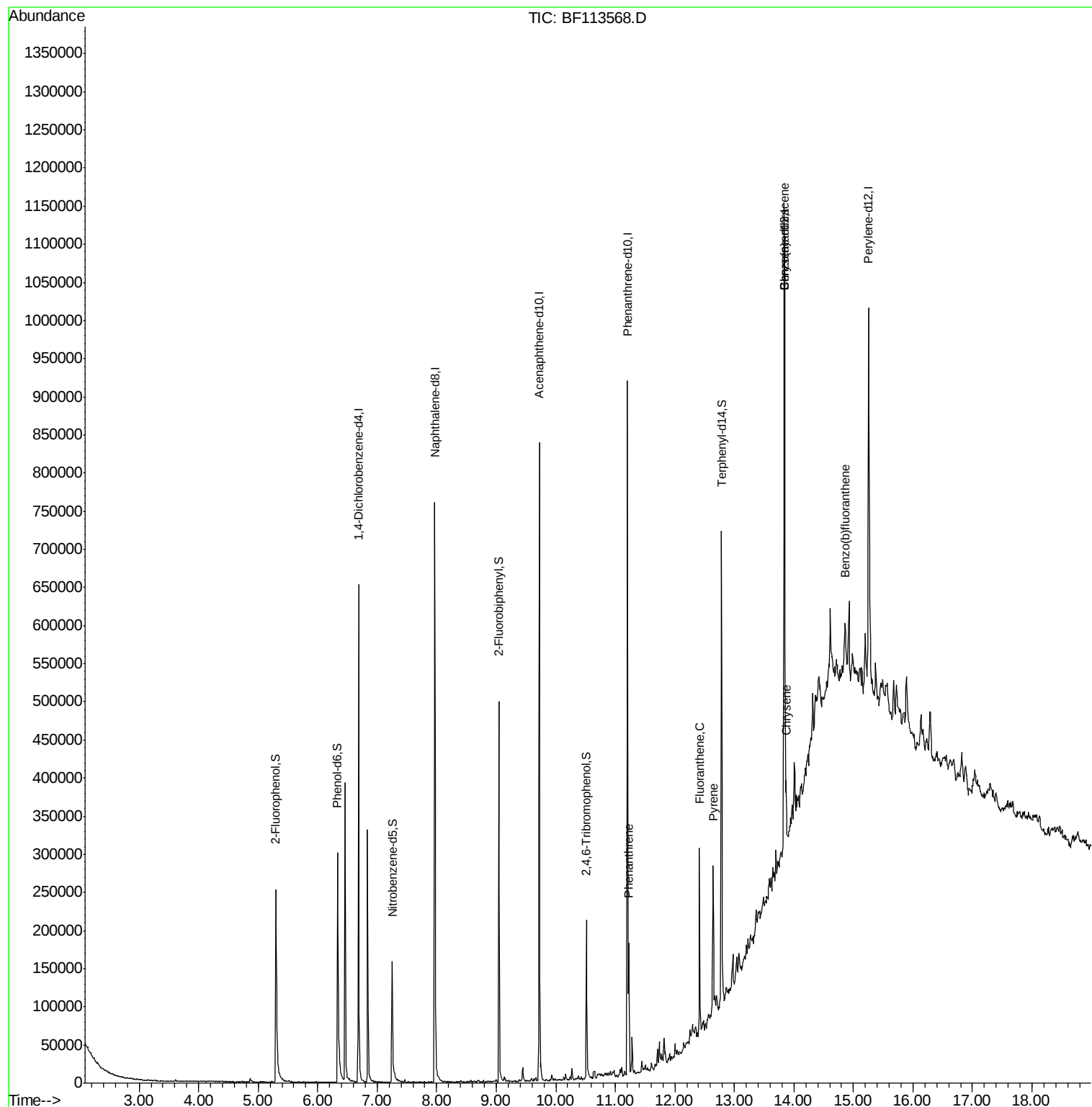
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040319\
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#1

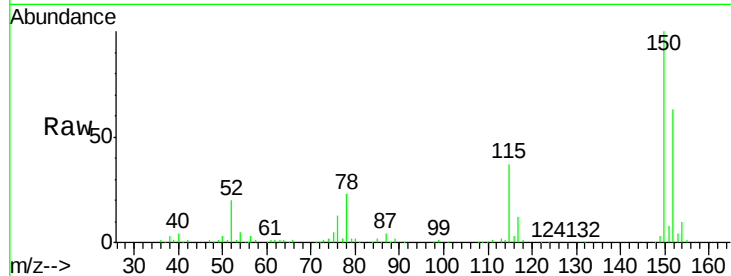
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 782
Delta R.T. -0.00 min
Lab File: BF113568.D
Acq: 4 Apr 2019 3:19

Instrument :
BNA_F
ClientSampleId :
COMP-16

Tgt Ion	Ratio	Lower	Upper
152	100		
150	158.2	124.7	187.1
115	58.0	46.0	69.0

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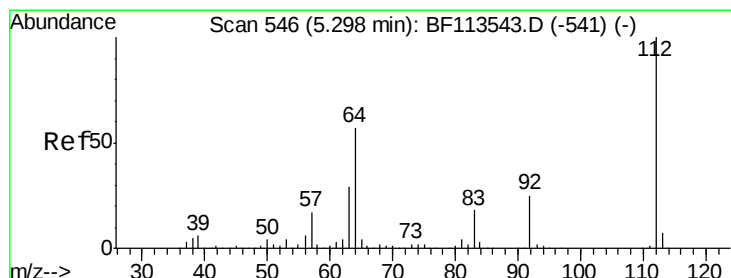
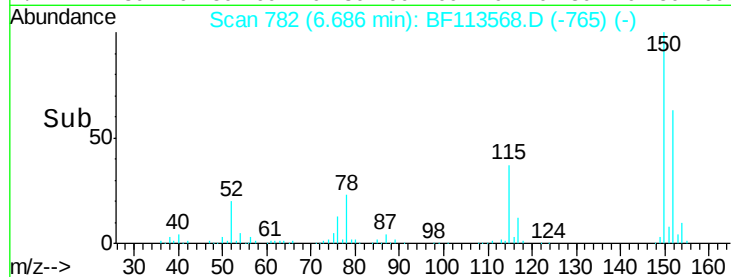
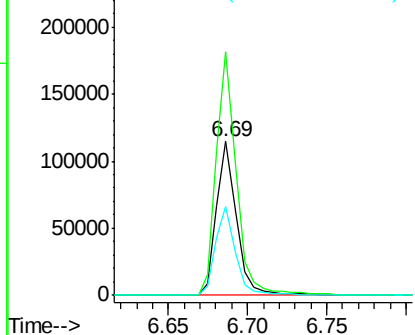


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

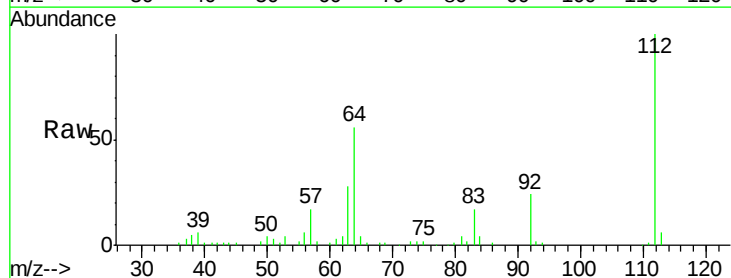
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 18.821 ng
RT: 5.30 min Scan# 546
Delta R.T. -0.00 min
Lab File: BF113568.D
Acq: 4 Apr 2019 3:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.5	49.2	73.8
63	28.2	24.9	37.3

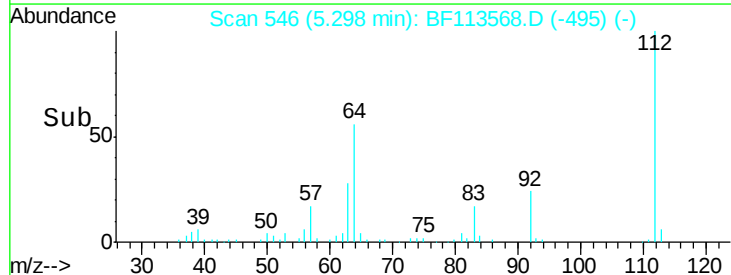
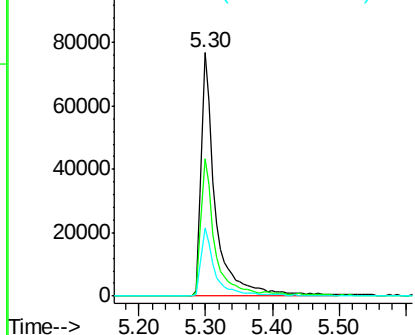


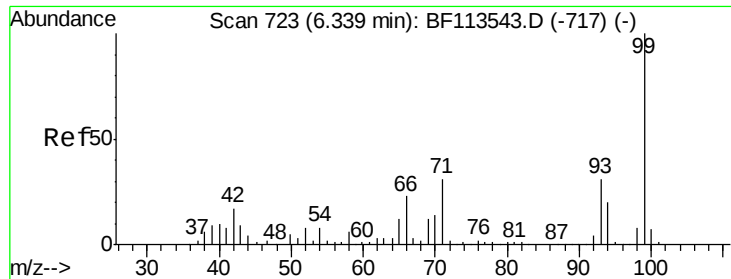
Abundance

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: 20.117 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.01 min

Lab File: BF113568.D

Acq: 4 Apr 2019 3:19

Instrument :

BNA_F

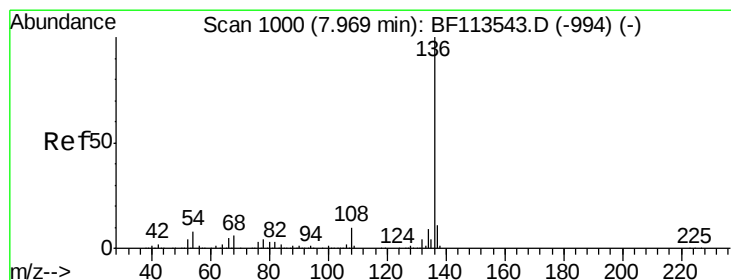
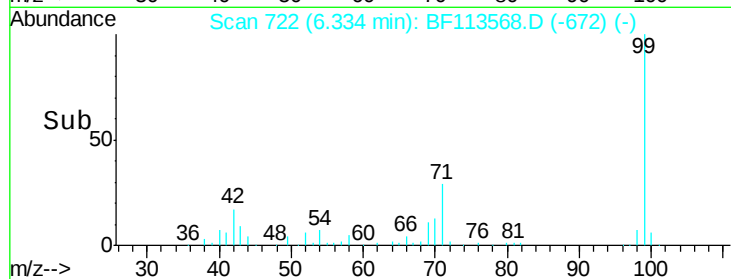
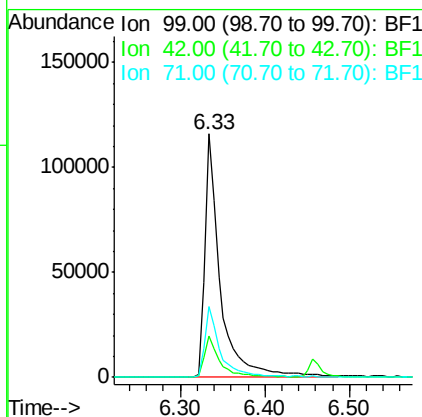
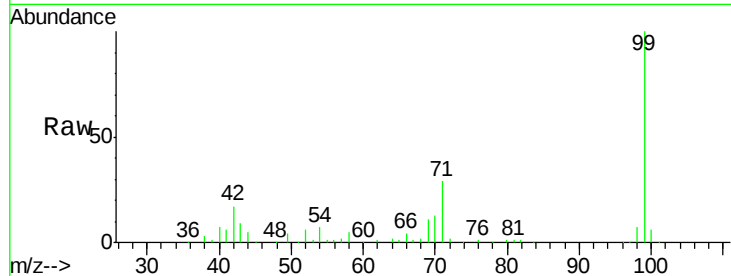
ClientSampleId :

COMP-16

Tgt Ion:	99	Resp:	147882
Ion Ratio	Lower	Upper	
99	100		
42	16.7	14.8	22.2
71	29.1	24.9	37.3

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#21

Naphthalene-d8

Concen: 20.000 ng

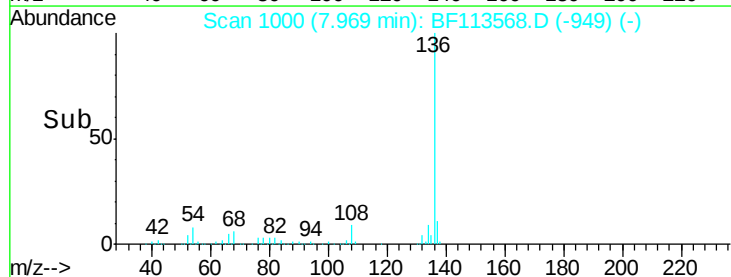
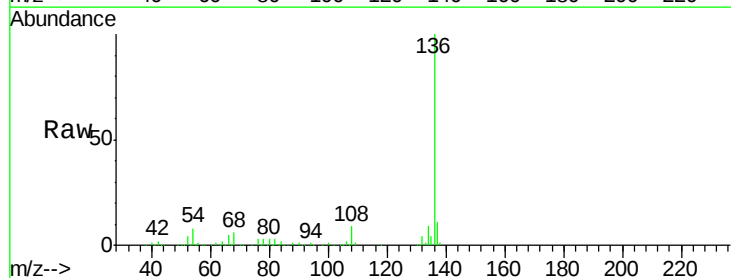
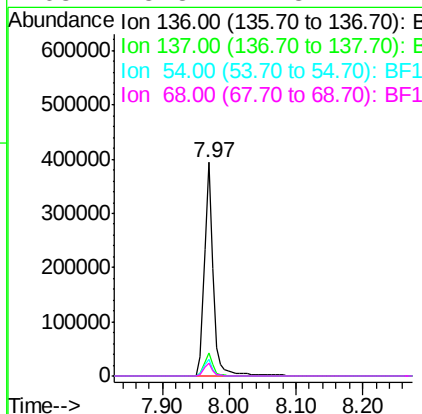
RT: 7.97 min Scan# 1000

Delta R.T. -0.00 min

Lab File: BF113568.D

Acq: 4 Apr 2019 3:19

Tgt Ion:	136	Resp:	357692
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.9	13.3
54	7.6	7.0	10.6
68	5.8	4.8	7.2





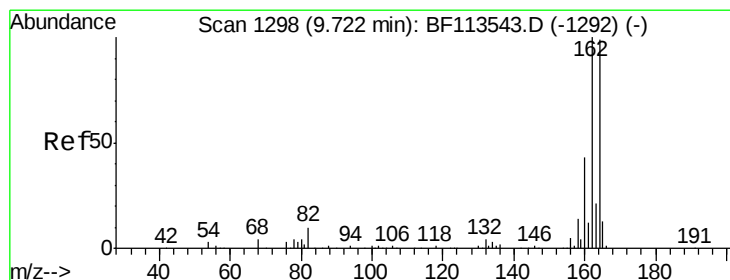
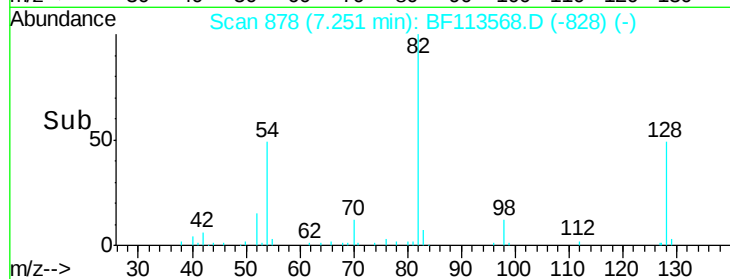
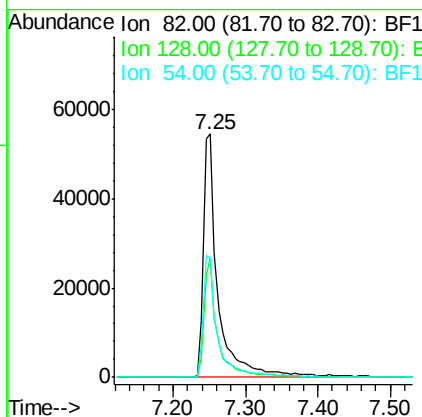
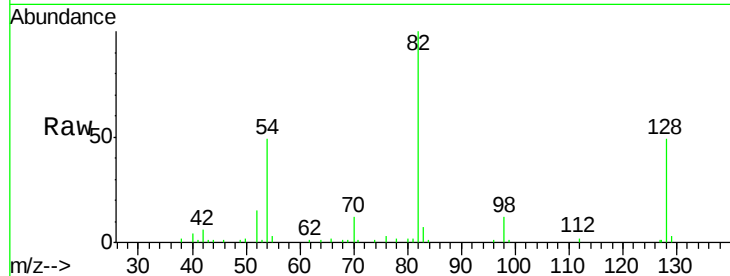
#23
 Nitrobenzene-d5
 Concen: 12.635 ng
 RT: 7.25 min Scan# 878
 Delta R.T. -0.01 min
 Lab File: BF113568.D
 Acq: 4 Apr 2019 3:19

Instrument :
 BNA_F
 ClientSampled :
 COMP-16

Tgt Ion	Ratio	Lower	Upper
82	100		
128	49.1	36.5	54.7
54	49.0	42.2	63.2

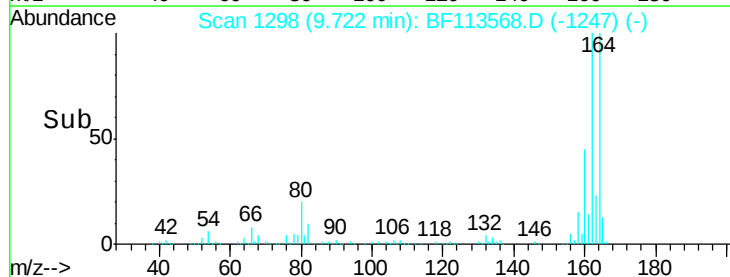
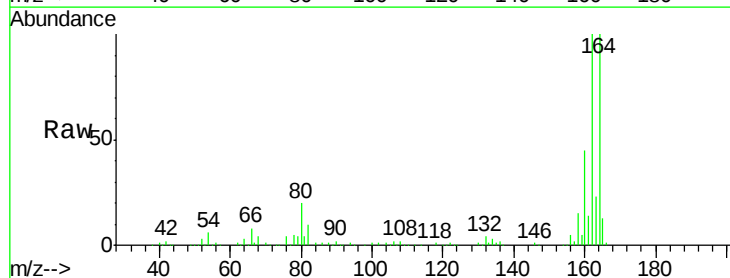
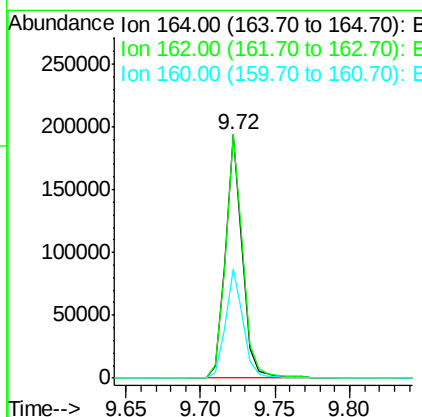
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.72 min Scan# 1298
 Delta R.T. -0.00 min
 Lab File: BF113568.D
 Acq: 4 Apr 2019 3:19

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.1	81.8	122.6
160	44.9	36.4	54.6





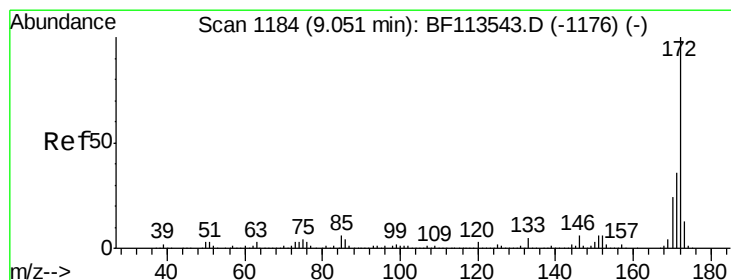
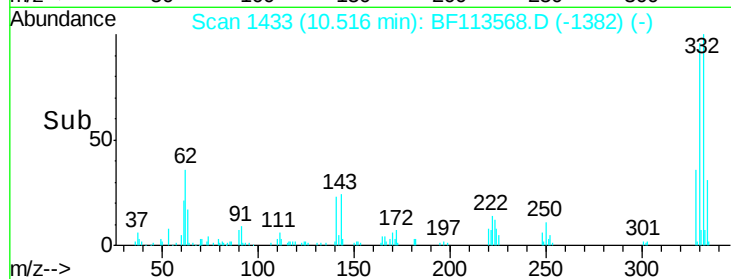
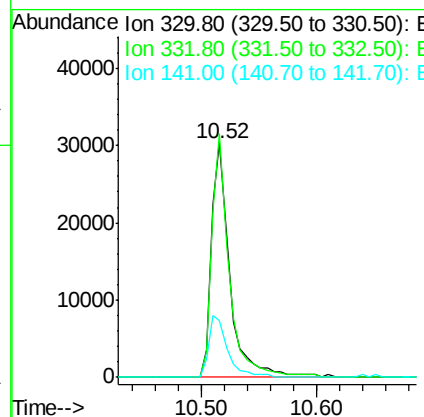
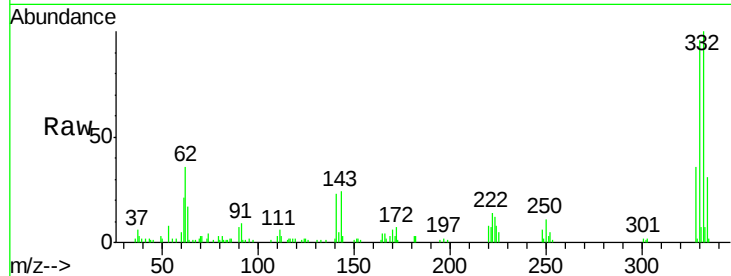
#42
 2,4,6-Tribromophenol
 Concen: 17.870 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. -0.00 min
 Lab File: BF113568.D
 Acq: 4 Apr 2019 3:19

Instrument :
 BNA_F
 ClientSampleId :
 COMP-16

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	33605		
332	98.0	77.8	116.6	
141	27.1	22.7	34.1	

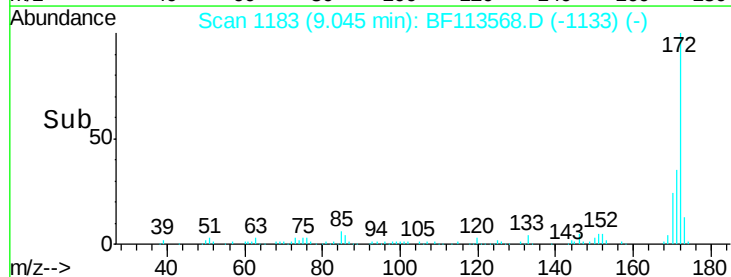
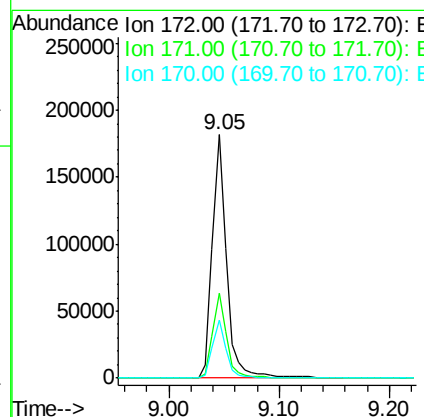
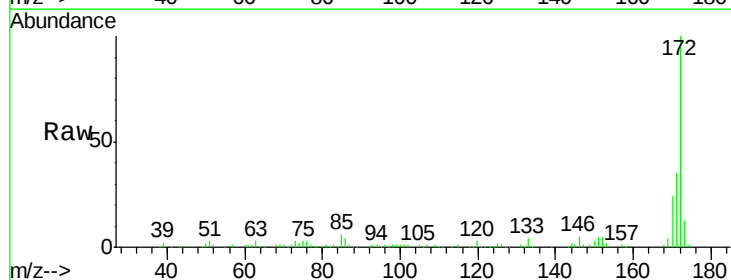
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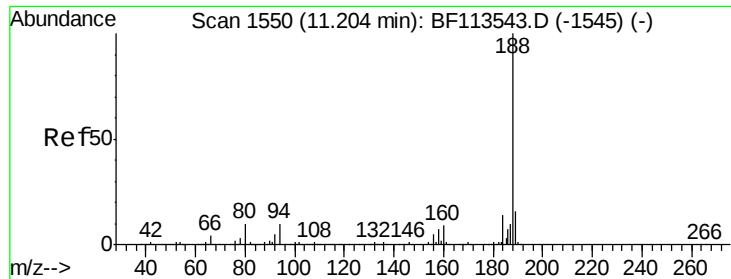
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#45
 2-Fluorobiphenyl
 Concen: 16.277 ng
 RT: 9.05 min Scan# 1183
 Delta R.T. -0.01 min
 Lab File: BF113568.D
 Acq: 4 Apr 2019 3:19

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	158283		
171	34.7	29.0	43.6	
170	23.7	19.5	29.3	





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.20 min Scan# 1550

Delta R.T. -0.00 min

Lab File: BF113568.D

Acq: 4 Apr 2019 3:19

Instrument :

BNA_F

ClientSampleId :

COMP-16

Tgt Ion:188 Resp: 338740

Ion Ratio Lower Upper

188 100

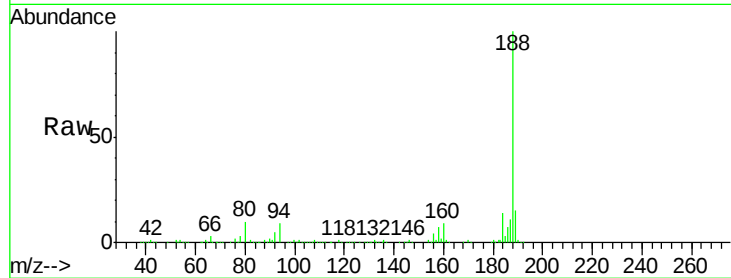
94 9.3 7.0 10.6

80 9.8 7.7 11.5

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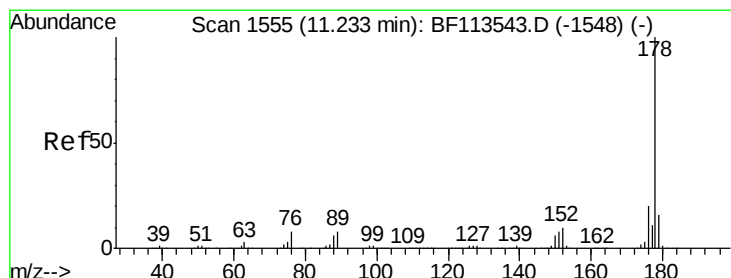
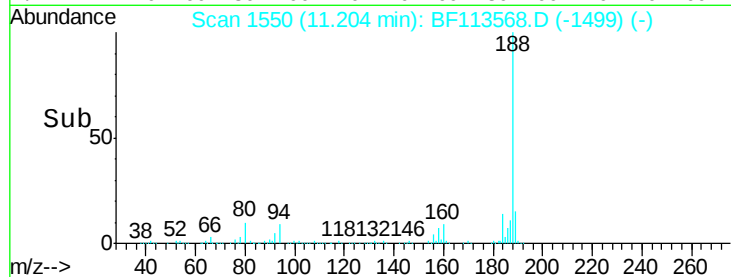
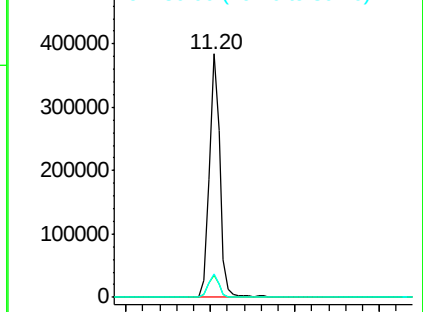
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 3.505 ng

RT: 11.23 min Scan# 1554

Delta R.T. -0.01 min

Lab File: BF113568.D

Acq: 4 Apr 2019 3:19

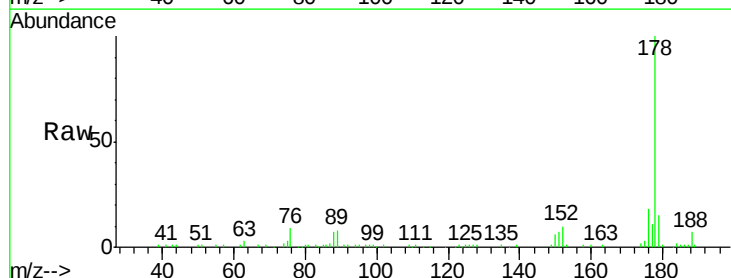
Tgt Ion:178 Resp: 58997

Ion Ratio Lower Upper

178 100

176 18.4 16.2 24.2

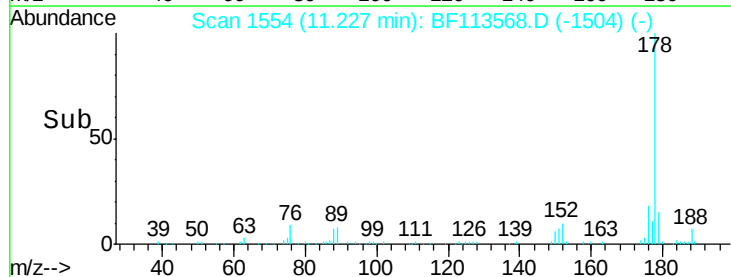
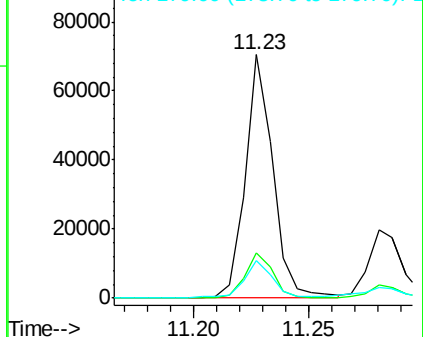
179 15.3 12.7 19.1

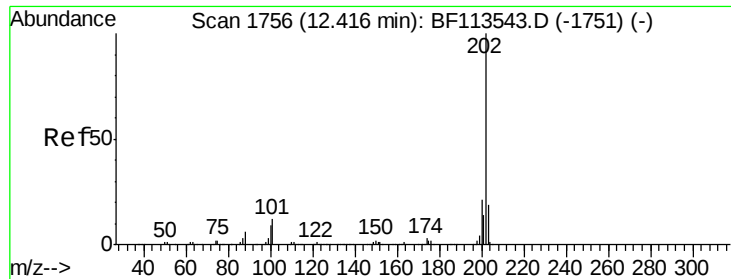


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 5.193 ng

RT: 12.42 min Scan# 1756

Delta R.T. -0.00 min

Lab File: BF113568.D

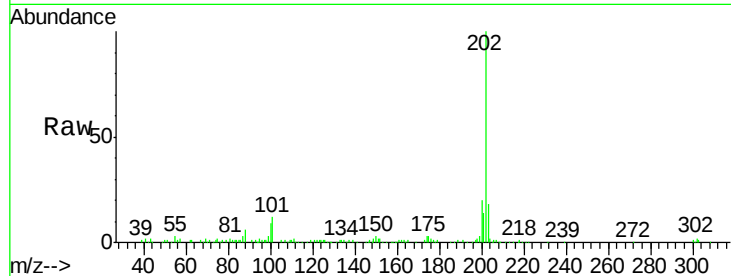
Acq: 4 Apr 2019 3:19

Instrument :

BNA_F

ClientSampled :

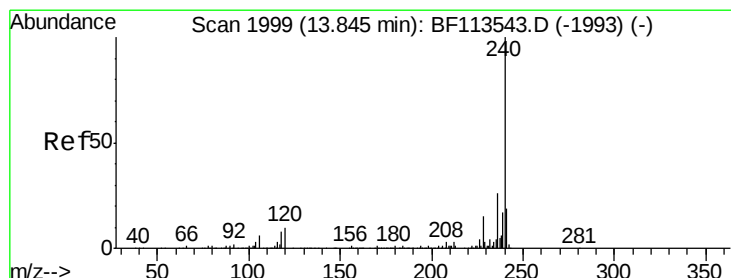
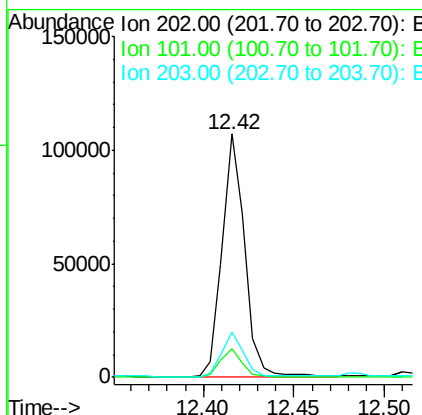
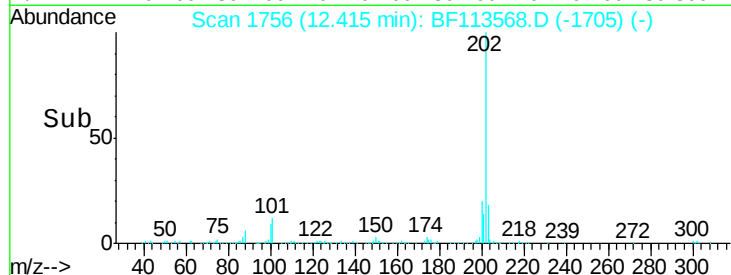
COMP-16



Tgt Ion:	202	Resp:	93664
Ion Ratio	Lower	Upper	
202	100		
101	11.5	0.0	31.4
203	18.4	0.0	38.0

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#76

Chrysene-d12

Concen: 20.000 ng

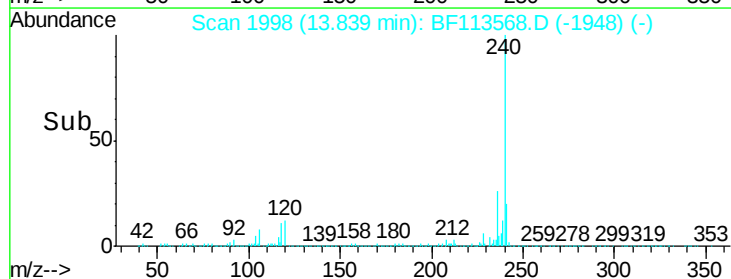
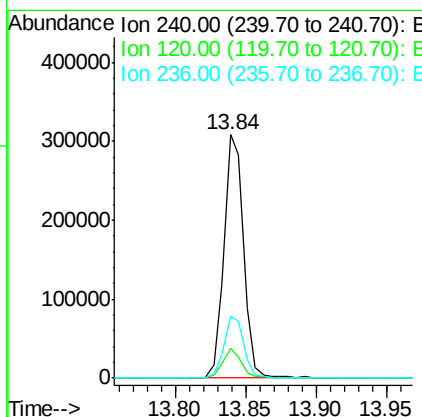
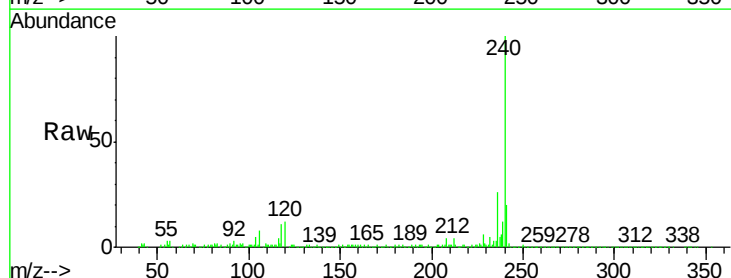
RT: 13.84 min Scan# 1998

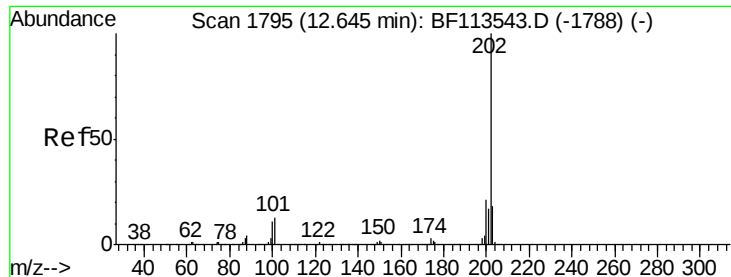
Delta R.T. -0.01 min

Lab File: BF113568.D

Acq: 4 Apr 2019 3:19

Tgt Ion:	240	Resp:	295870
Ion Ratio	Lower	Upper	
240	100		
120	12.1	8.8	13.2
236	25.7	20.9	31.3





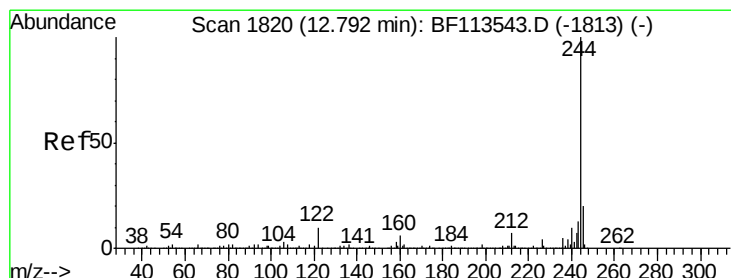
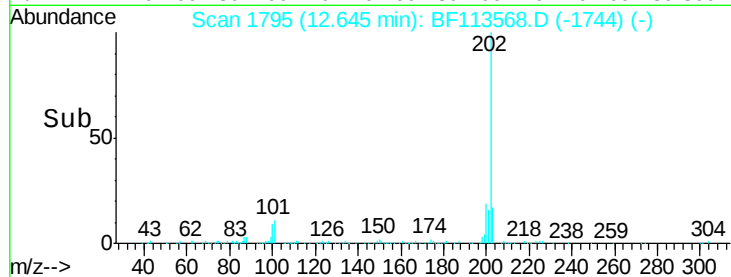
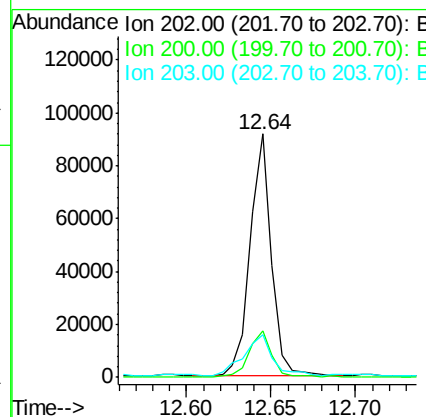
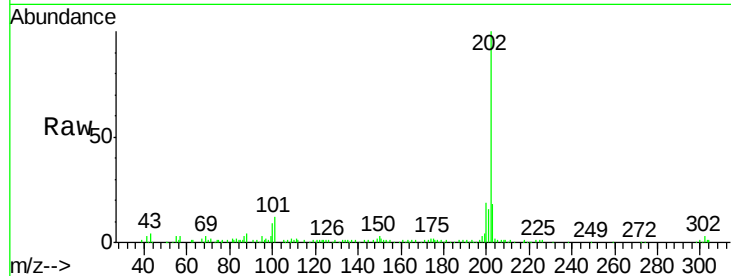
#78
 Pyrene
 Concen: 3.611 ng
 RT: 12.64 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: BF113568.D
 Acq: 4 Apr 2019 3:19

Instrument :
 BNA_F
 ClientSampleId :
 COMP-16

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.3	16.8	25.2
203	17.7	14.4	21.6

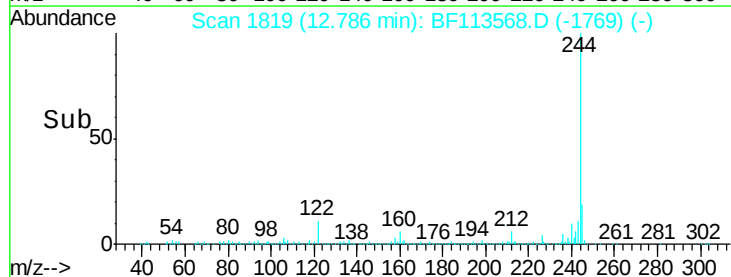
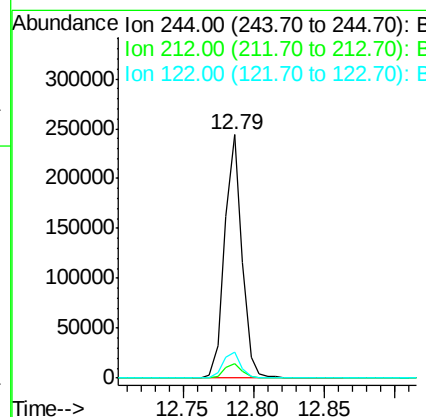
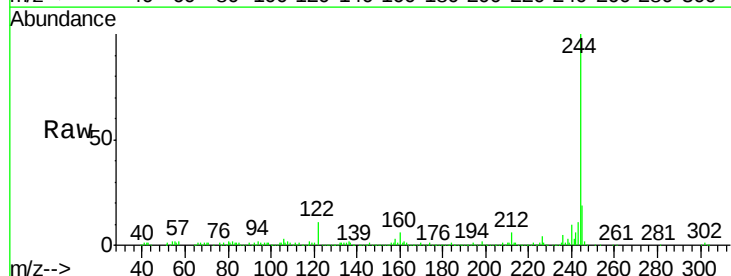
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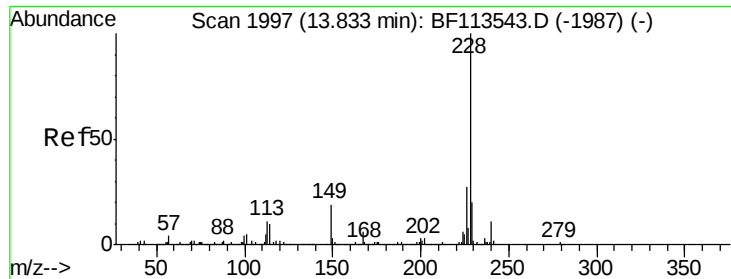
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#79
 Terphenyl-d14
 Concen: 14.364 ng
 RT: 12.79 min Scan# 1819
 Delta R.T. -0.01 min
 Lab File: BF113568.D
 Acq: 4 Apr 2019 3:19

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.1	5.5	8.3
122	10.5	8.6	13.0





#81

Benzo(a)anthracene

Concen: 2.262 ng

RT: 13.83 min Scan# 1997

Delta R.T. -0.00 min

Lab File: BF113568.D

Acq: 4 Apr 2019 3:19

Instrument :

BNA_F

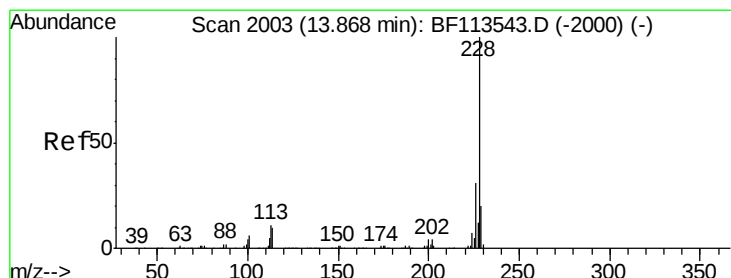
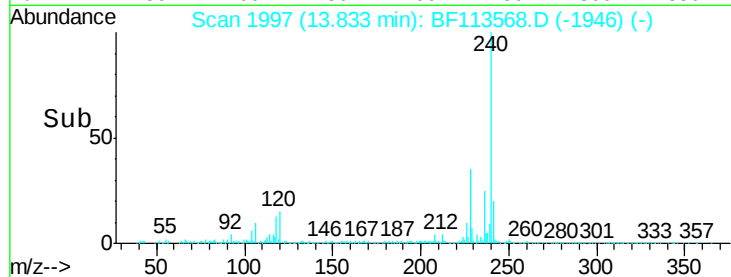
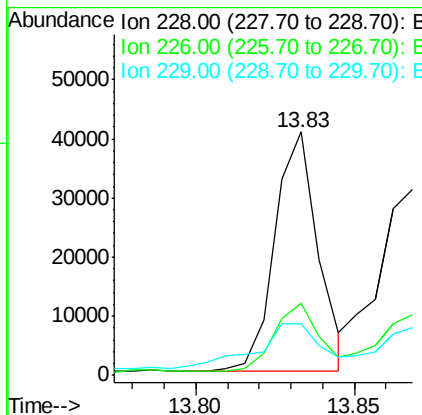
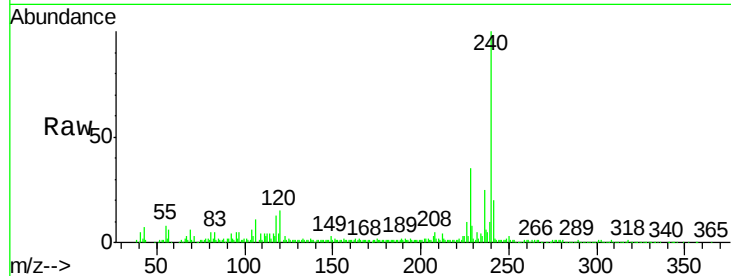
ClientSampled :

COMP-16

Tgt Ion:	228	Resp:	38603
Ion Ratio	Lower	Upper	
228	100		
226	29.7	21.8	32.8
229	21.3	16.2	24.4

Manual Integrations
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Sohil
4/4/2019 10:58:11 AM



#83

Chrysene

Concen: 2.072 ng m

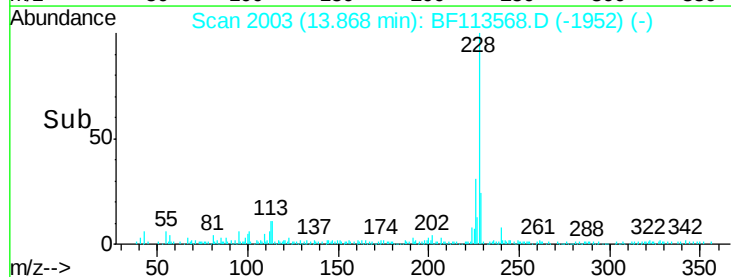
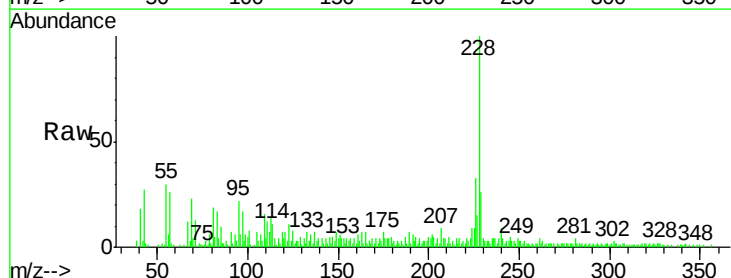
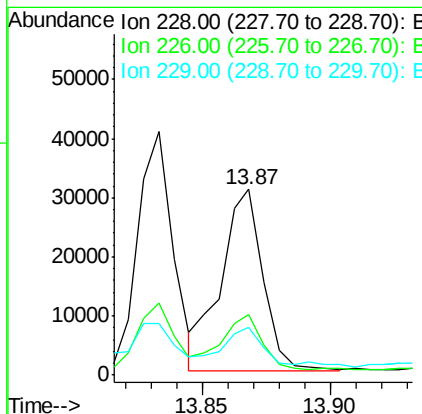
RT: 13.87 min Scan# 2003

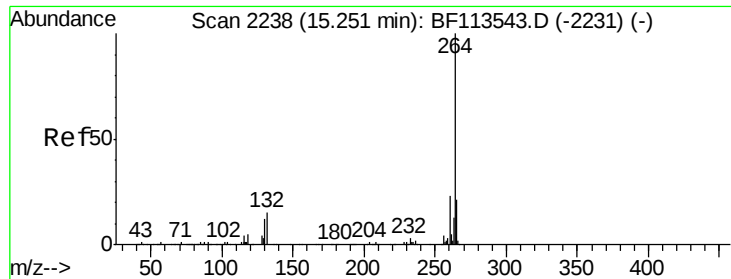
Delta R.T. -0.00 min

Lab File: BF113568.D

Acq: 4 Apr 2019 3:19

Tgt Ion:	228	Resp:	35854
Ion Ratio	Lower	Upper	
228	100		
226	32.6	24.3	36.5
229	25.8	16.3	24.5#





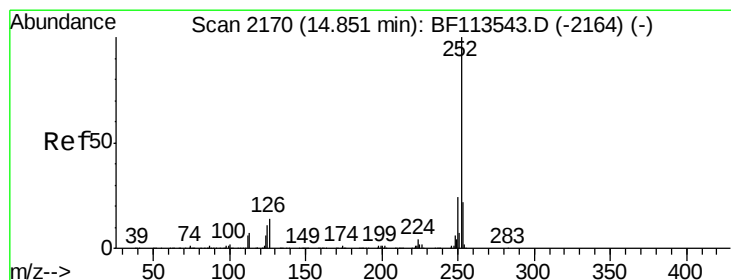
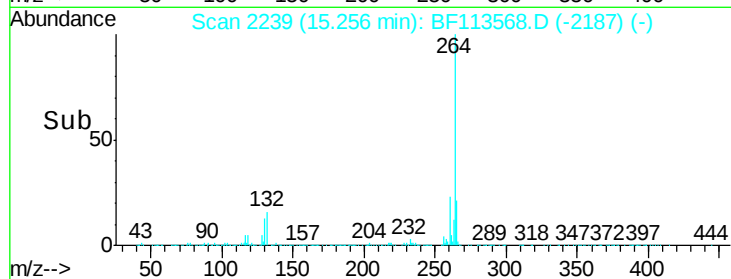
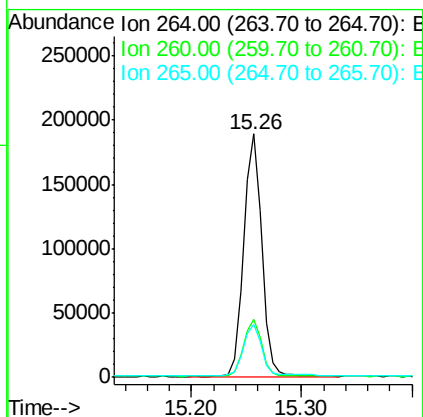
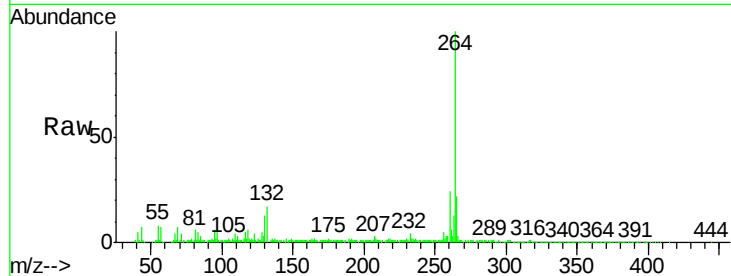
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.26 min Scan# 2239
Delta R.T. 0.01 min
Lab File: BF113568.D
Acq: 4 Apr 2019 3:19

Instrument :
BNA_F
ClientSampleId :
COMP-16

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.1	28.7
265	21.8	17.1	25.7

Manual Integrations
APPROVED

Sohil
4/4/2019 10:58:11 AM



#88
Benzo(b)fluoranthene
Concen: 2.317 ng m
RT: 14.86 min Scan# 2171
Delta R.T. 0.01 min
Lab File: BF113568.D
Acq: 4 Apr 2019 3:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	33.3	18.0	27.0#
125	25.8	7.6	11.4#

