

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102517\
 Data File : BF099816.D
 Acq On : 25 Oct 2017 16:33
 Operator : SJ/JU
 Sample : I6070-01 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-102017

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Quant Time: Oct 25 17:38:44 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 25 17:02:52 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	86129	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	349695	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	154720	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	262733	20.00	ng	0.00
75) Chrysene-d12	13.98	240	173647	20.00	ng	0.00
86) Perylene-d12	15.46	264	158825	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	106233	19.36	ng	0.00
7) Phenol-d6	6.43	99	129498	19.91	ng	0.00
23) Nitrobenzene-d5	7.36	82	72004	13.26	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	25735	18.25	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	164691	16.42	ng	0.00
78) Terphenyl-d14	12.92	244	123963	15.60	ng	0.00
Target Compounds						
57) Fluorene	10.39	166	25678	2.297	ng	99
70) Phenanthrene	11.35	178	202544	13.660	ng	98
71) Anthracene	11.41	178	71900	4.777	ng	97
74) Fluoranthene	12.55	202	319616	20.742	ng	96
77) Pyrene	12.78	202	277606	21.024	ng	98
80) Benzo(a)anthracene	13.97	228	130887	11.890	ng	98
82) Chrysene	14.01	228	107498	10.387	ng	99
85) Indeno(1,2,3-cd)pyrene	16.94	276	58078	6.113	ng	97
87) Benzo(b)fluoranthene	15.03	252	158758m	15.830	ng	
88) Benzo(k)fluoranthene	15.05	252	56077m	5.930	ng	
89) Benzo(a)pyrene	15.40	252	116988	12.986	ng	# 96
91) Benzo(a,h,i)perylene	17.40	276	54920	7.013	ng	# 92

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

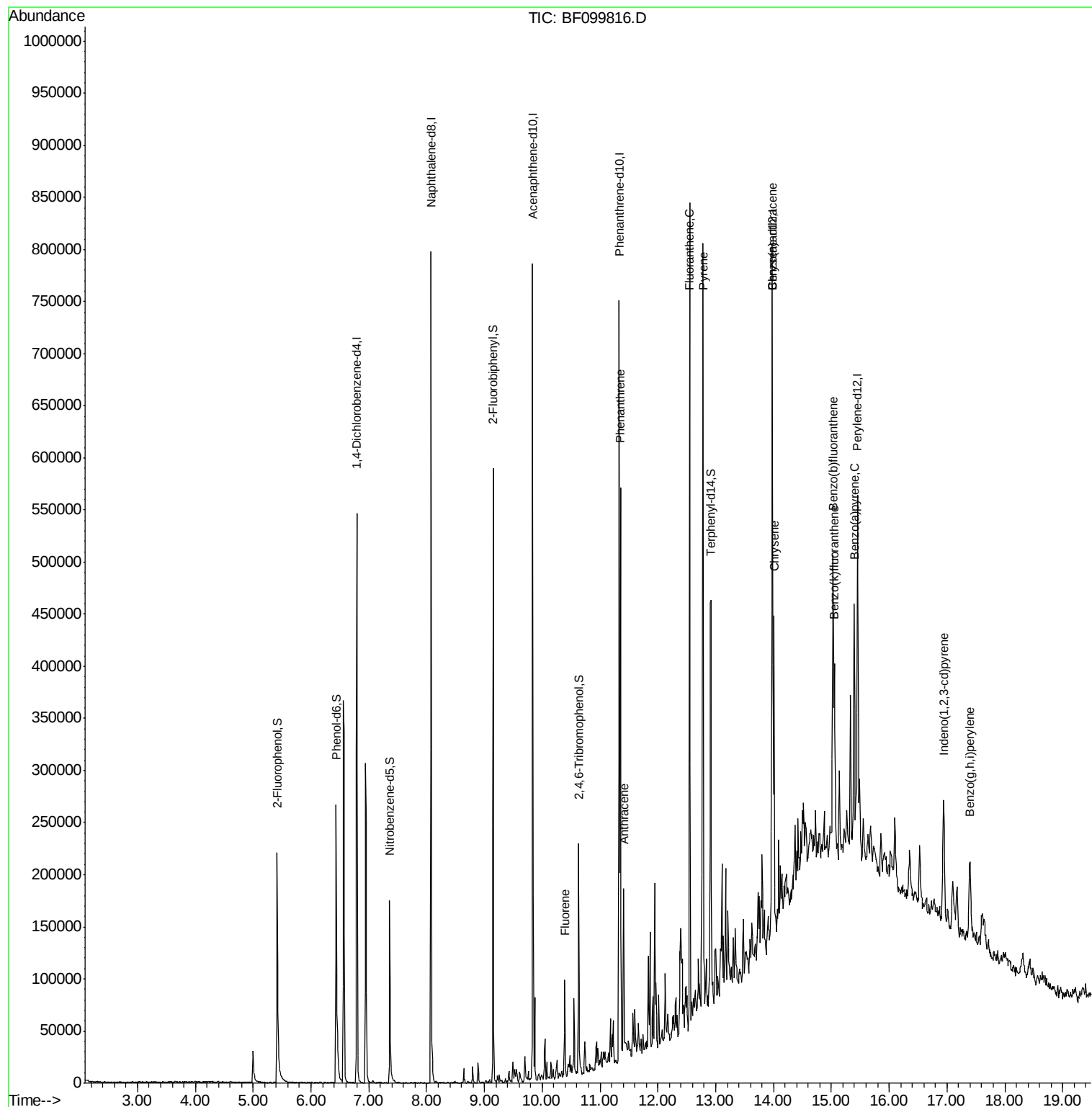
Data Path : Z:\HPCHEM1\BNA F\DATA\BF102517\
Data File : BF099816.D
Acq On : 25 Oct 2017 16:33
Operator : SJ/JU
Sample : I6070-01 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

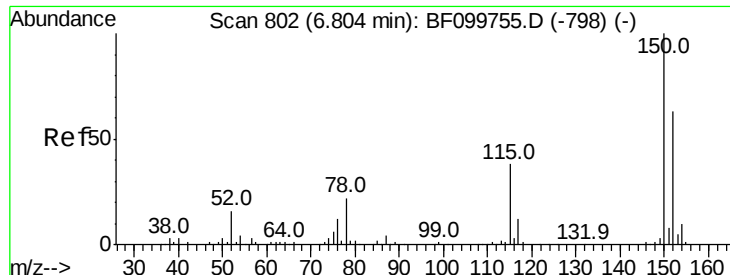
Instrument :
BNA_F
ClientSampleId :
OK-01-102017

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#1

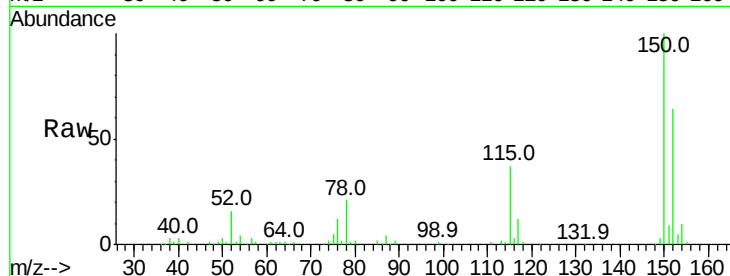
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.00 min
Lab File: BF099816.D
Acq: 25 Oct 2017 16:33

Instrument :
BNA_F
ClientSampleId :
OK-01-102017

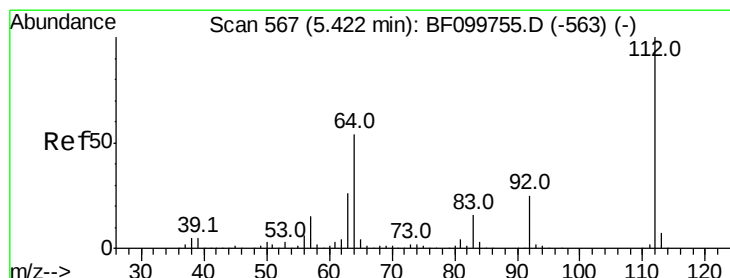
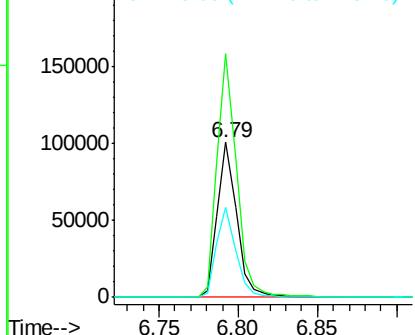
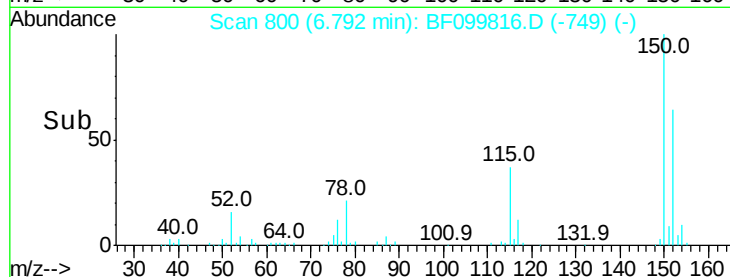
Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	124.6	186.8
115	58.1	50.1	75.1

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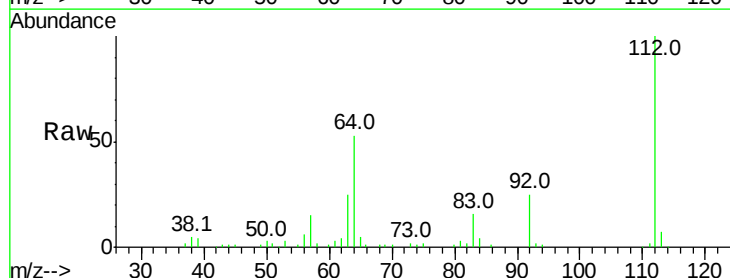
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



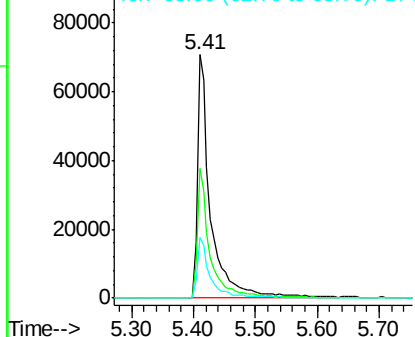
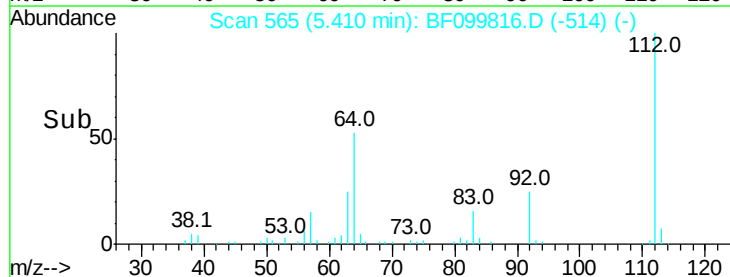
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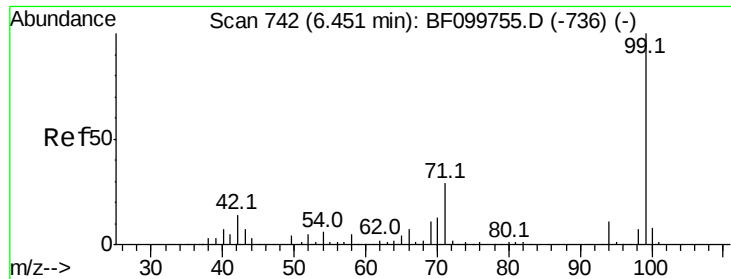
2-Fluorophenol
Concen: 19.364 ng
RT: 5.41 min Scan# 565
Delta R.T. -0.00 min
Lab File: BF099816.D
Acq: 25 Oct 2017 16:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.2	47.9	71.9
63	25.1	23.7	35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 19.908 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF099816.D

Acq: 25 Oct 2017 16:33

Instrument :

BNA_F

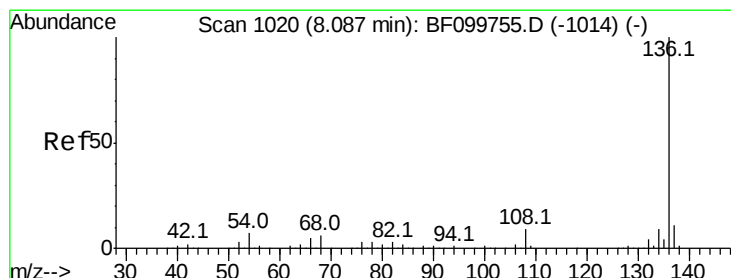
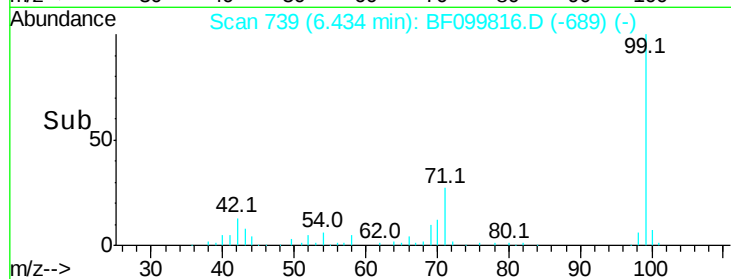
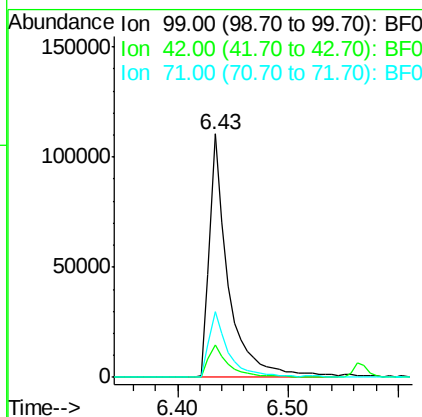
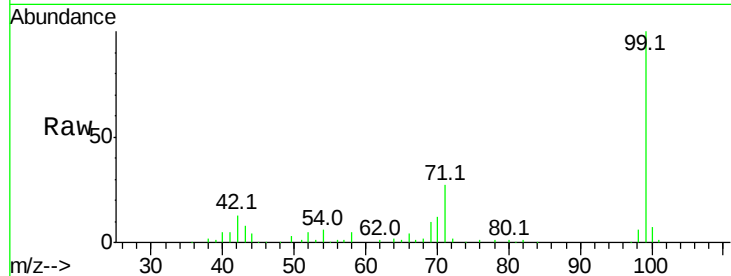
ClientSampled :

OK-01-102017

Tot Ion:	99	Resp:	129498
Ion Ratio	Lower	Upper	
99	100		
42	13.5	14.5	21.7#
71	27.0	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

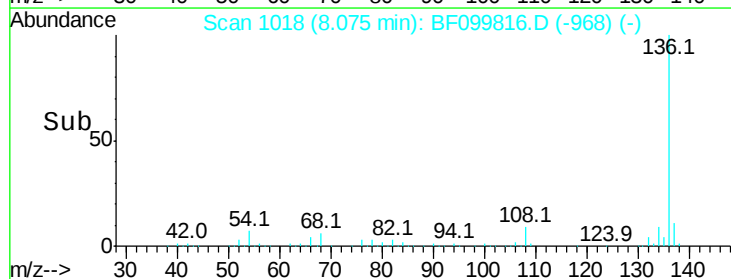
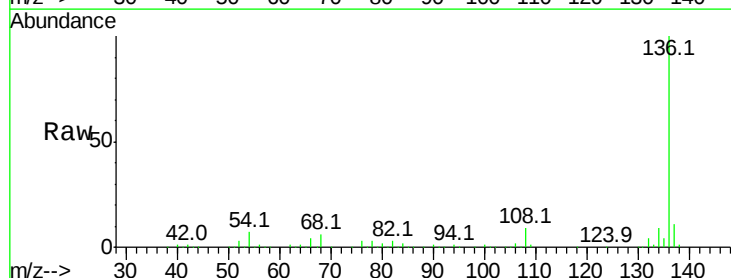
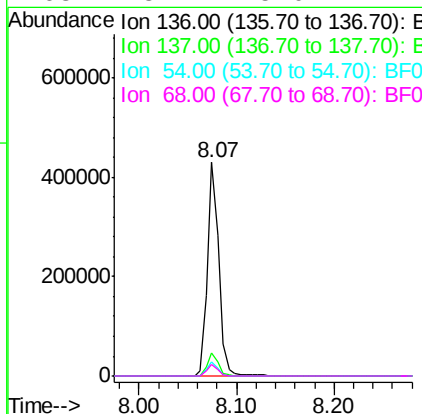
RT: 8.07 min Scan# 1018

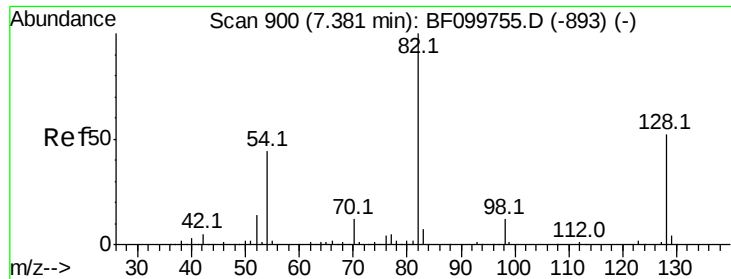
Delta R.T. -0.01 min

Lab File: BF099816.D

Acq: 25 Oct 2017 16:33

Tgt Ion:	136	Resp:	349695
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.9	13.3
54	6.6	6.6	9.8
68	5.7	5.0	7.4





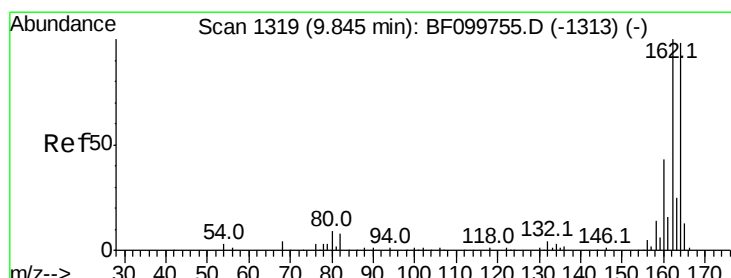
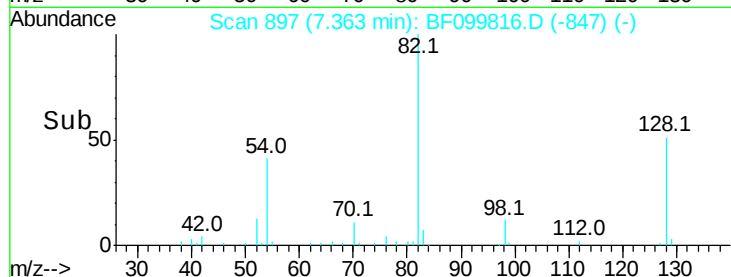
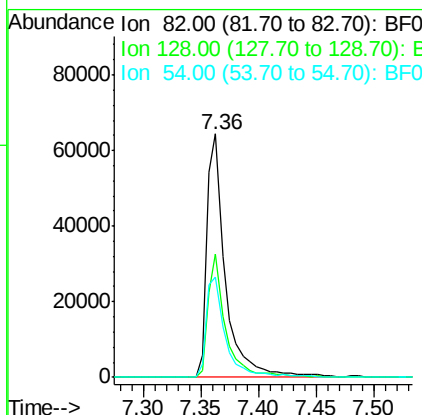
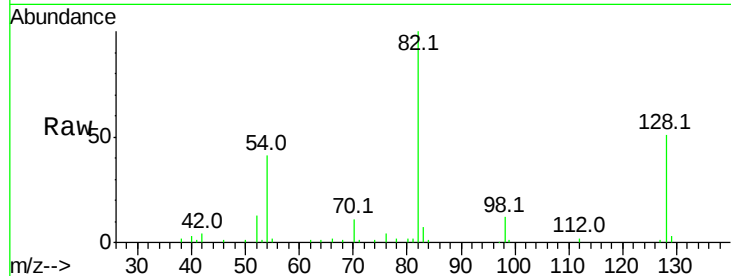
#23
 Nitrobenzene-d5
 Concen: 13.256 ng
 RT: 7.36 min Scan# 897
 Delta R.T. -0.01 min
 Lab File: BF099816.D
 Acq: 25 Oct 2017 16:33

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-102017

Tot Ion	Ratio	Lower	Upper
82	100		
128	50.5	36.1	54.1
54	40.9	41.4	62.2#

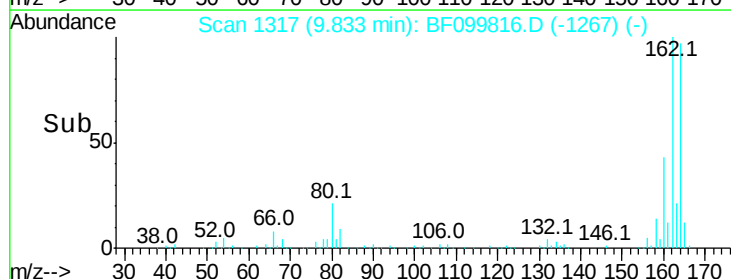
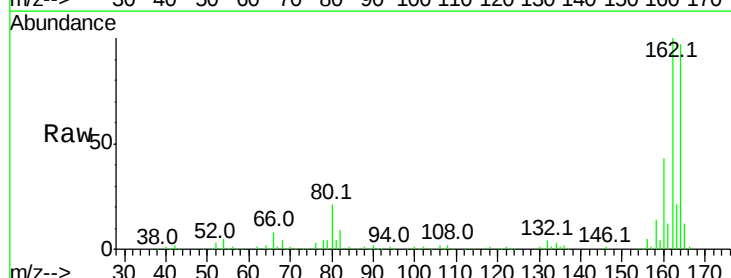
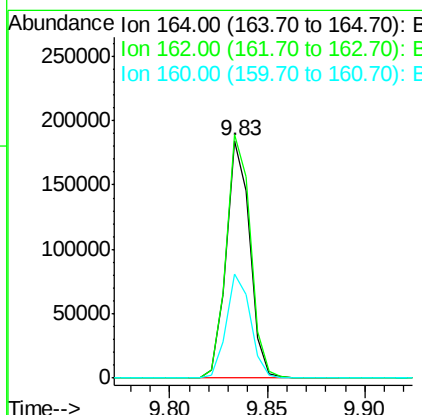
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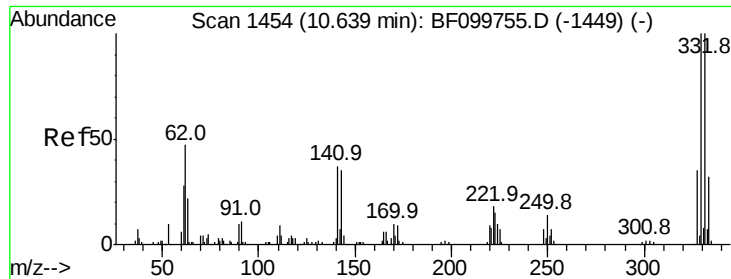
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.01 min
 Lab File: BF099816.D
 Acq: 25 Oct 2017 16:33

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.6	86.1	129.1
160	43.8	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 18.252 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.00 min

Lab File: BF099816.D

Acq: 25 Oct 2017 16:33

Instrument :

BNA_F

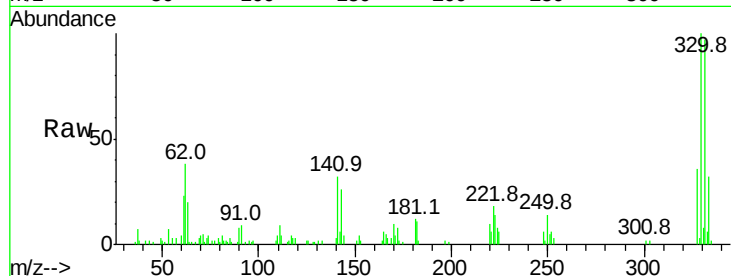
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OK-01-102017

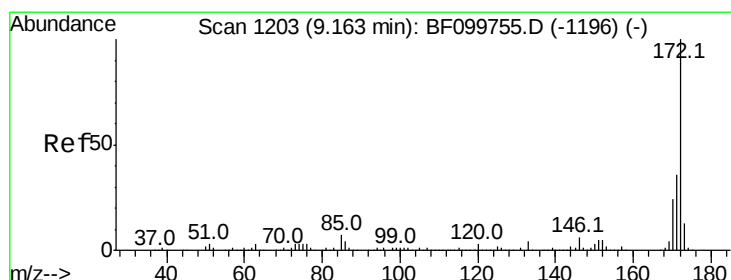
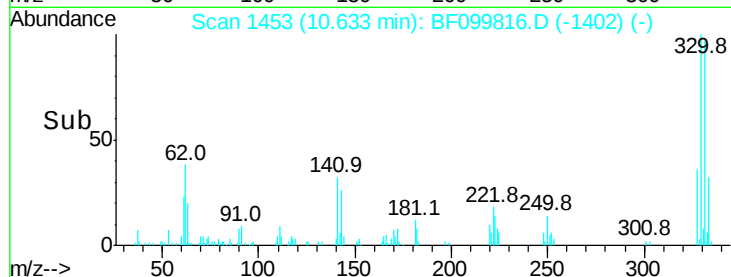
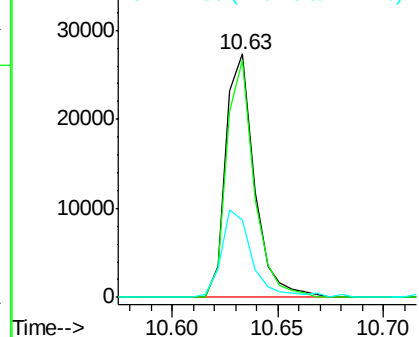
Tot Ion:	330	Resp:	25735
Ion Ratio	Lower	Upper	
330	100		
332	93.7	77.0	115.6
141	39.1	29.9	44.9

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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



#44

2-Fluorobiphenyl

Concen: 16.423 ng

RT: 9.15 min Scan# 1201

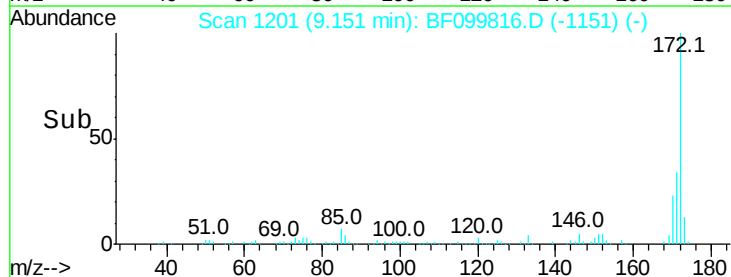
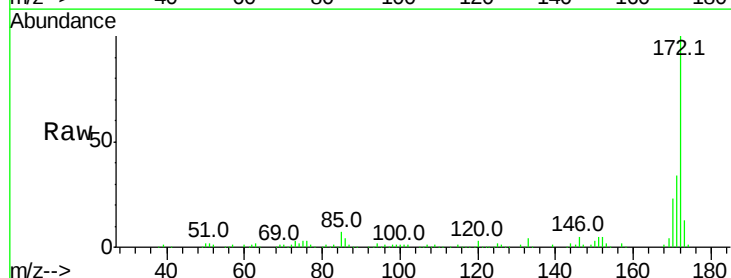
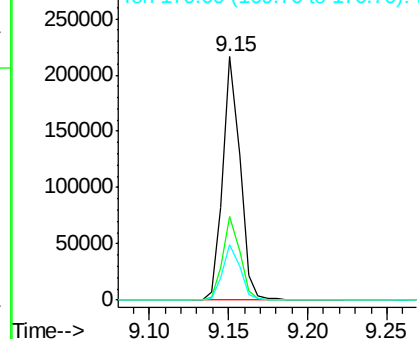
Delta R.T. -0.01 min

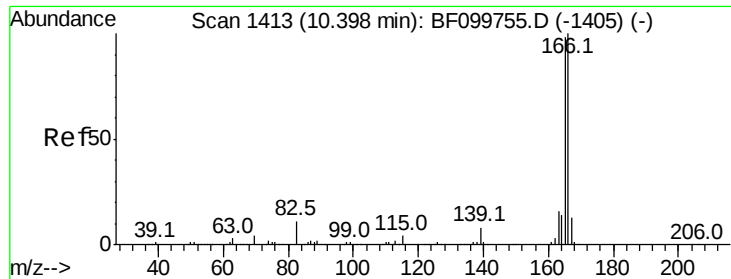
Lab File: BF099816.D

Acq: 25 Oct 2017 16:33

Tgt Ion:	172	Resp:	164691
Ion Ratio	Lower	Upper	
172	100		
171	34.5	29.7	44.5
170	22.5	19.6	29.4

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





#57

Fluorene

Concen: 2.297 ng

RT: 10.39 min Scan# 1411

Delta R.T. -0.00 min

Lab File: BF099816.D

Acq: 25 Oct 2017 16:33

Instrument :

BNA_F

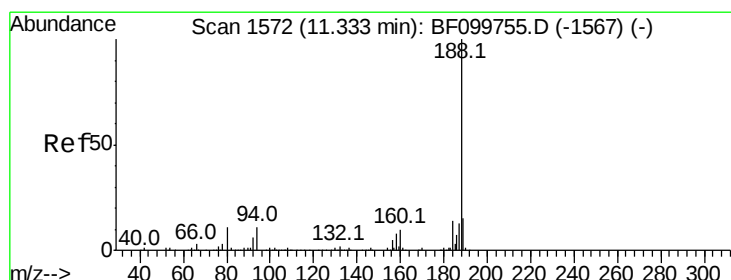
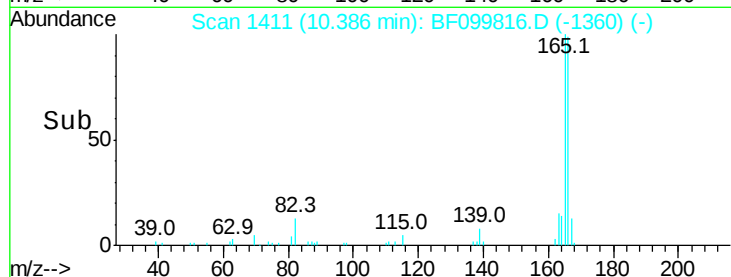
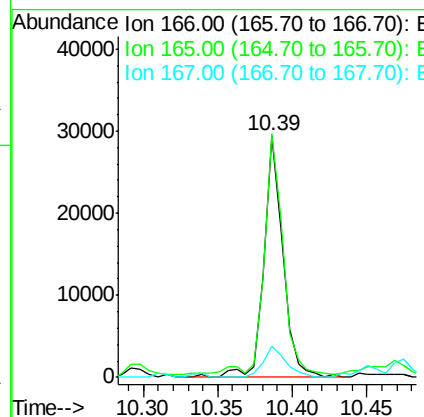
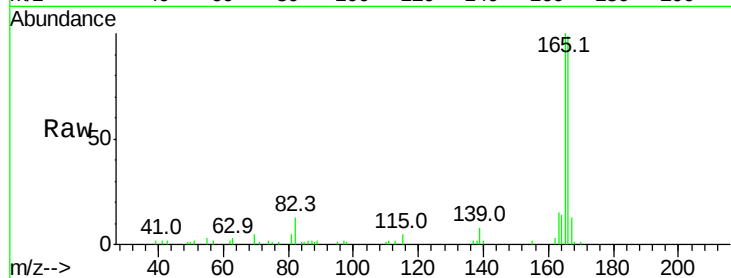
ClientSampleId :

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Tot Ion:	166	Resp:	25678
Ion Ratio	Lower	Upper	
166	100		
165	100.8	79.8	119.8
167	13.1	10.6	16.0

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#63

Phenanthrene-d10

Concen: 20.000 ng

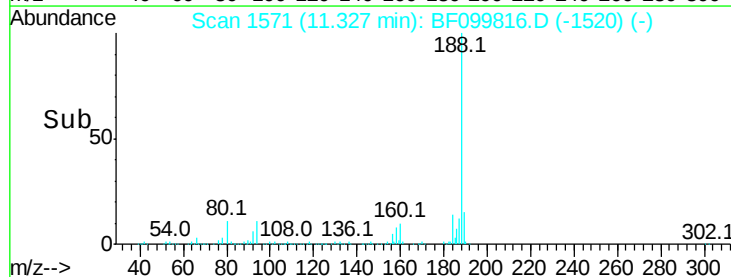
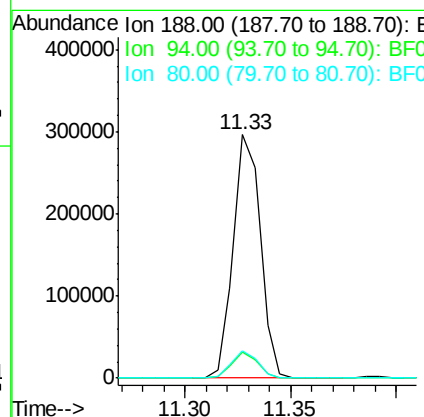
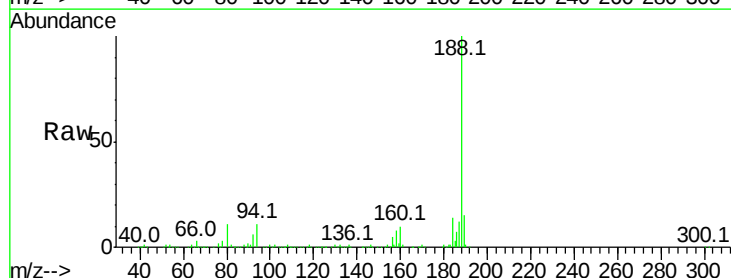
RT: 11.33 min Scan# 1571

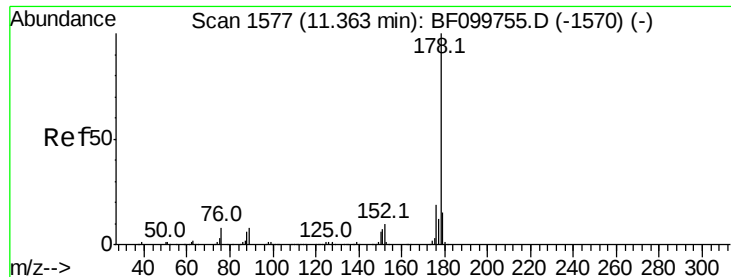
Delta R.T. -0.00 min

Lab File: BF099816.D

Acq: 25 Oct 2017 16:33

Tgt Ion:	188	Resp:	262733
Ion Ratio	Lower	Upper	
188	100		
94	10.7	8.5	12.7
80	11.4	9.2	13.8





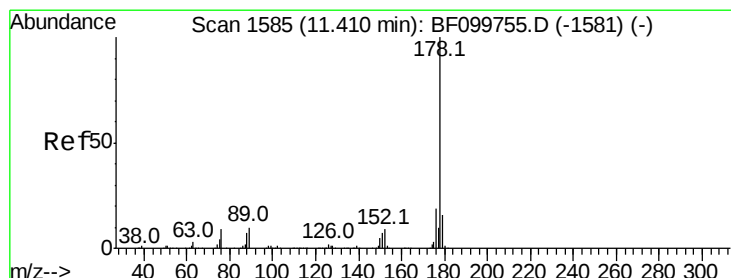
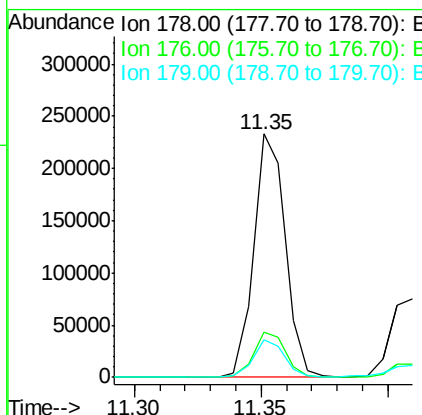
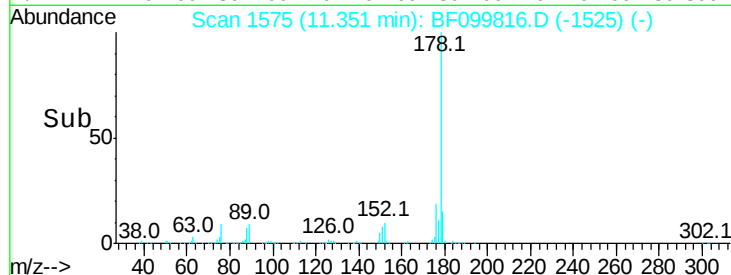
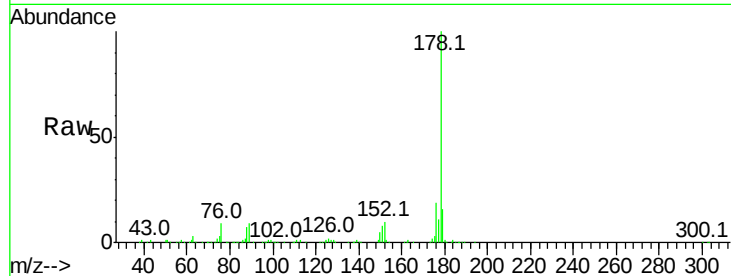
#70
Phenanthrene
Concen: 13.660 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BF099816.D
Acq: 25 Oct 2017 16:33

Instrument :
BNA_F
ClientSampleId :
OK-01-102017

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	15.6	13.0	19.6

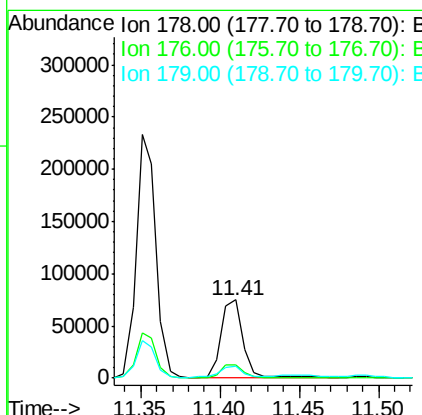
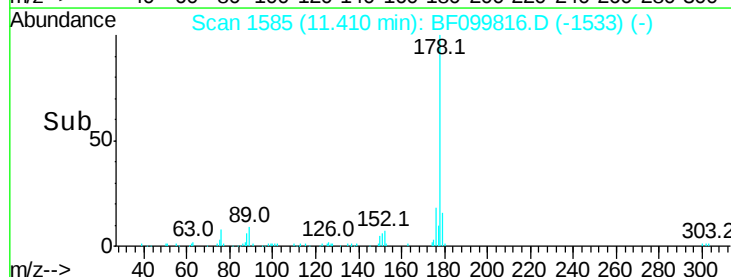
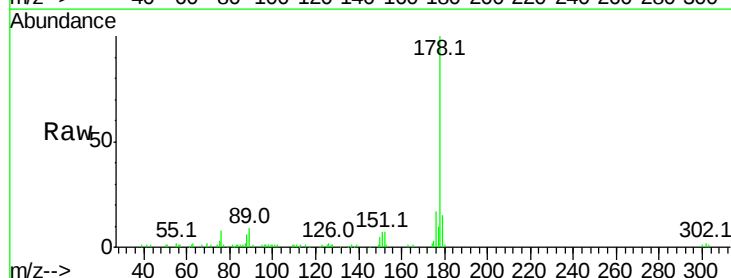
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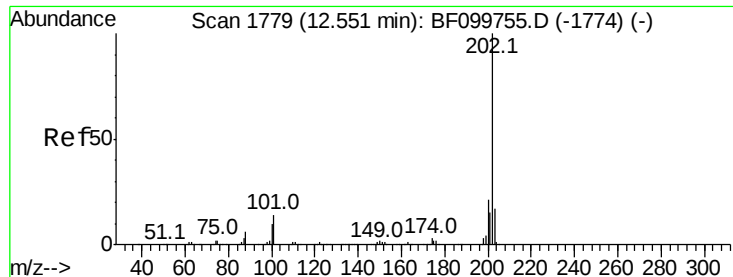
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#71
Anthracene
Concen: 4.777 ng
RT: 11.41 min Scan# 1585
Delta R.T. 0.01 min
Lab File: BF099816.D
Acq: 25 Oct 2017 16:33

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.4	15.4	23.2
179	15.4	12.6	19.0





#74

Fluoranthene

Concen: 20.742 ng

RT: 12.55 min Scan# 1779

Delta R.T. 0.01 min

Lab File: BF099816.D

Acq: 25 Oct 2017 16:33

Instrument :

BNA_F

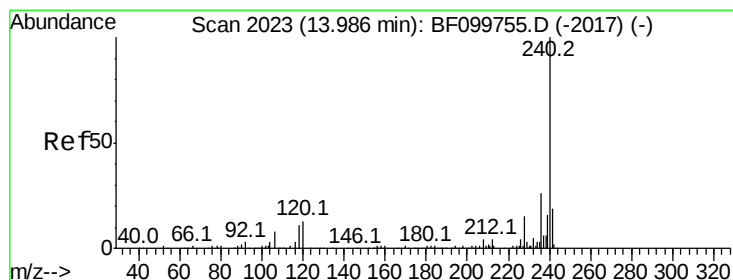
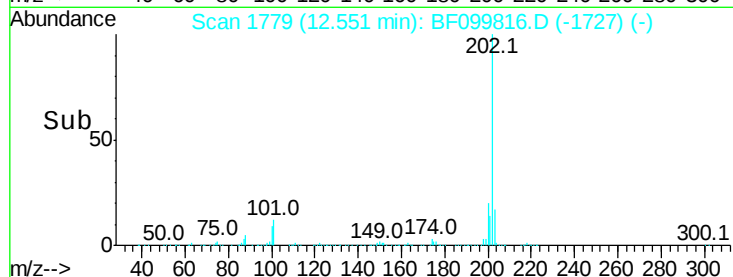
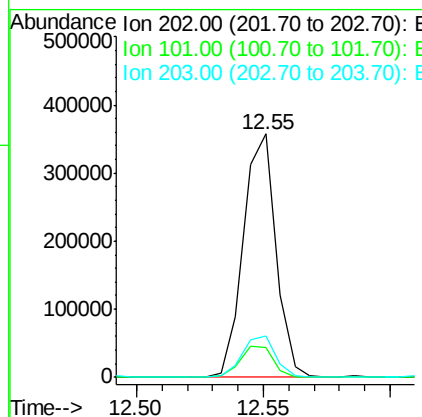
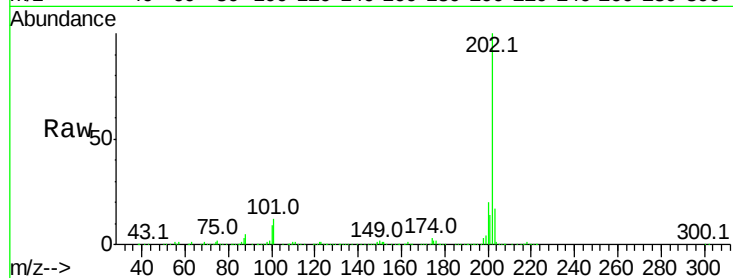
ClientSampleId :

OK-01-102017

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	12.1	0.0	34.1		
203	17.0	0.0	38.1		

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#75

Chrysene-d12

Concen: 20.000 ng

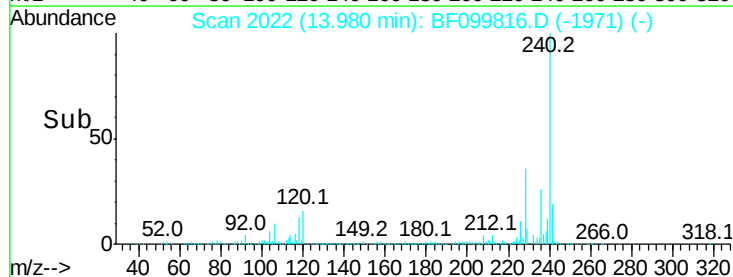
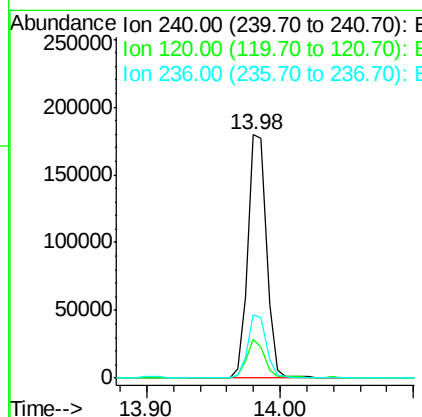
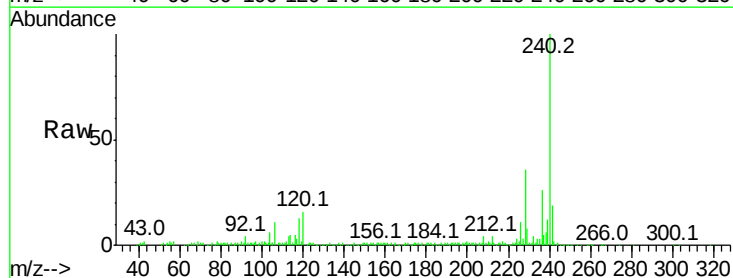
RT: 13.98 min Scan# 2022

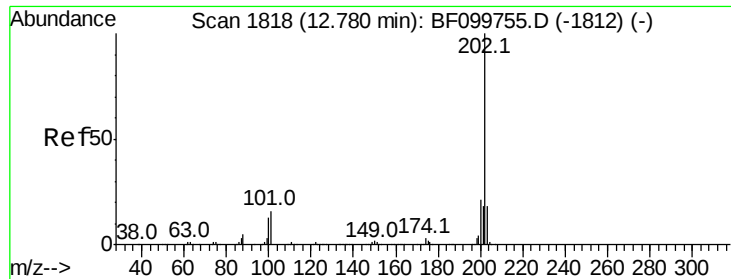
Delta R.T. -0.00 min

Lab File: BF099816.D

Acq: 25 Oct 2017 16:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	15.8	9.5	14.3#		
236	25.9	20.7	31.1		





#77

Pvrene

Concen: 21.024 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.00 min

Lab File: BF099816.D

Acq: 25 Oct 2017 16:33

Instrument :

BNA_F

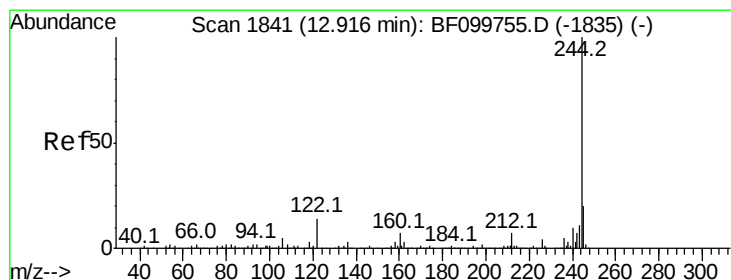
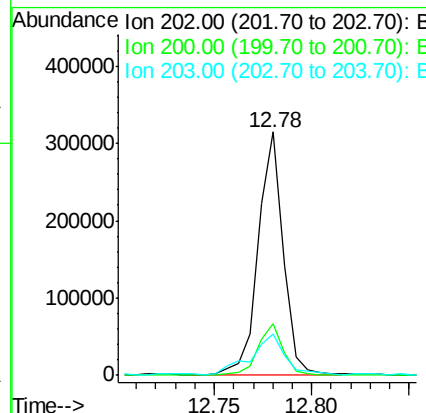
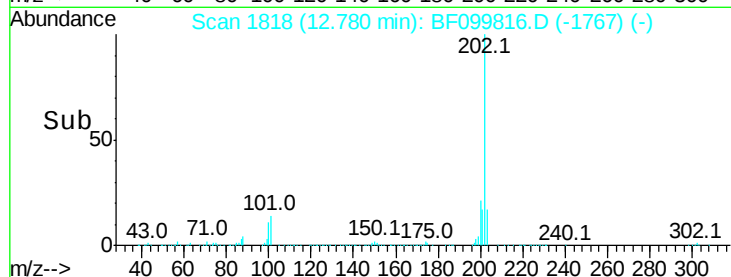
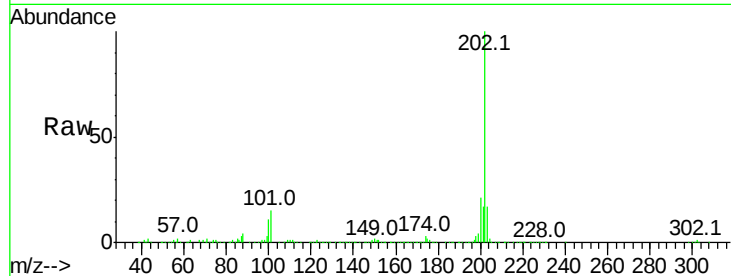
ClientSampleId :

OK-01-102017

Tot Ion:	202	Resp:	277606
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.4	26.2
203	17.1	14.3	21.5

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#78

Terphenyl-d14

Concen: 15.601 ng

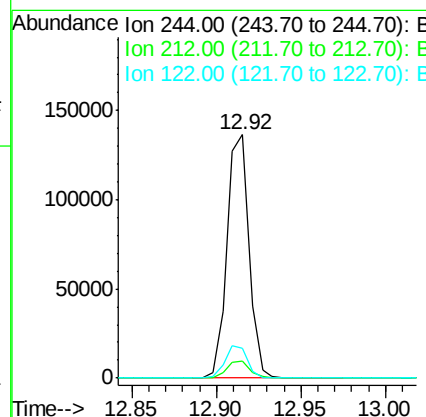
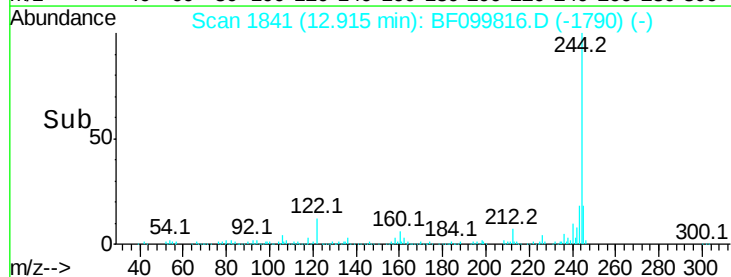
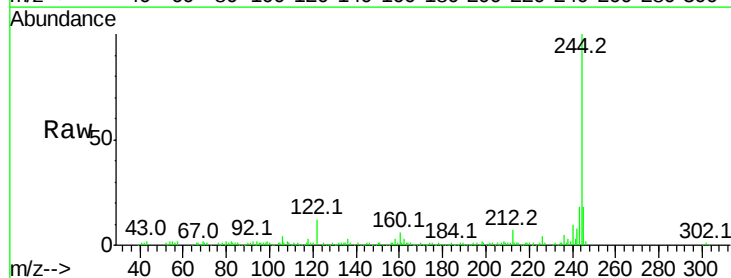
RT: 12.92 min Scan# 1841

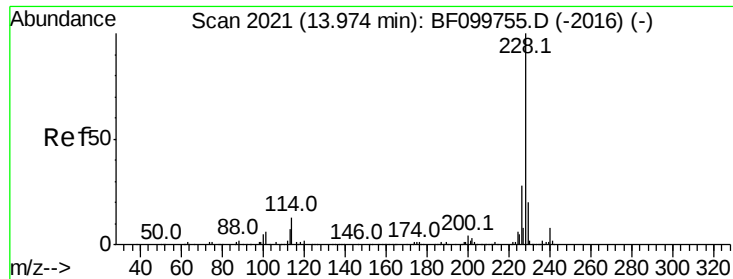
Delta R.T. -0.00 min

Lab File: BF099816.D

Acq: 25 Oct 2017 16:33

Tgt Ion:	244	Resp:	123963
Ion Ratio	Lower	Upper	
244	100		
212	6.8	5.4	8.0
122	12.4	11.0	16.4





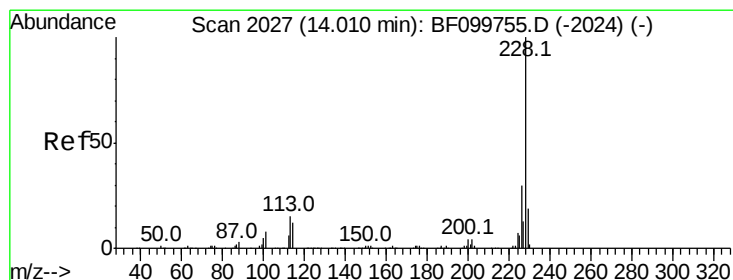
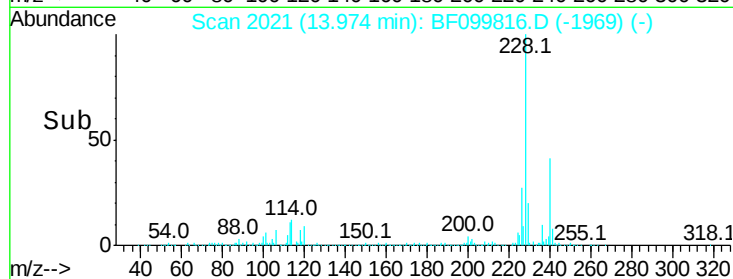
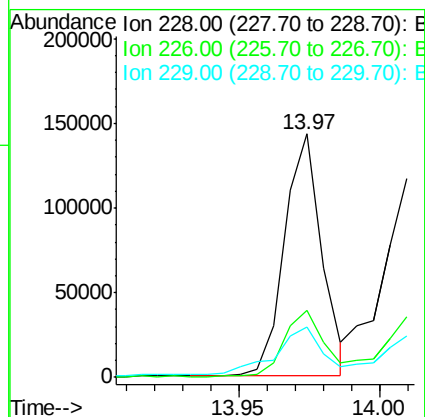
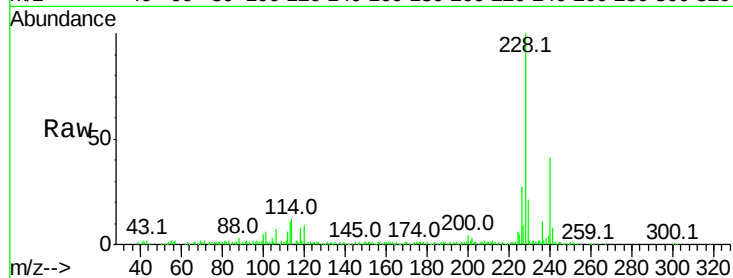
#80
Benzo(a)anthracene
Concen: 11.890 ng
RT: 13.97 min Scan# 2021
Delta R.T. 0.01 min
Lab File: BF099816.D
Acq: 25 Oct 2017 16:33

Instrument :
BNA_F
ClientSampleId :
OK-01-102017

Tot Ion:	228	Resp:	130887
Ion Ratio	Lower	Upper	
228	100		
226	27.3	22.6	33.8
229	20.8	15.8	23.6

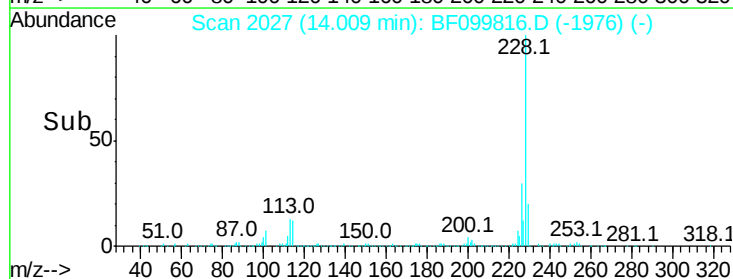
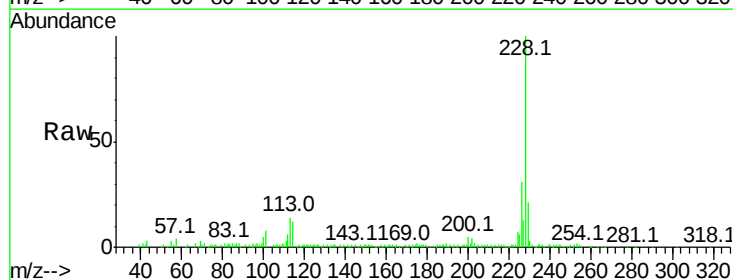
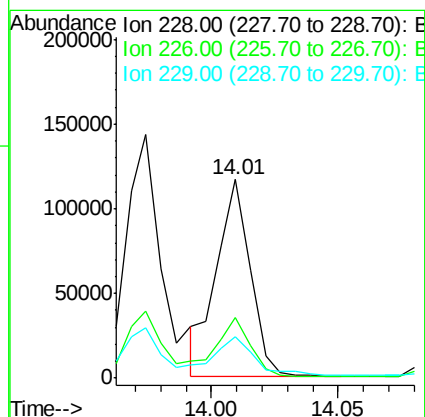
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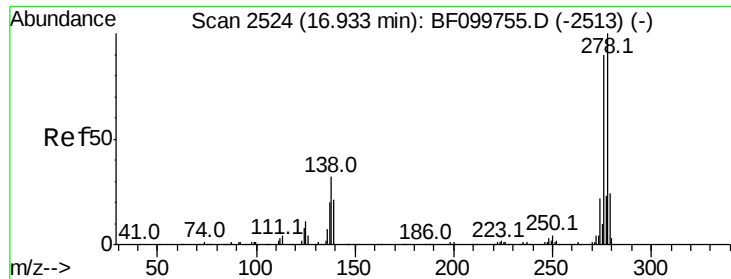
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#82
Chrysene
Concen: 10.387 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.00 min
Lab File: BF099816.D
Acq: 25 Oct 2017 16:33

Tgt Ion:	228	Resp:	107498
Ion Ratio	Lower	Upper	
228	100		
226	30.6	25.0	37.6
229	21.0	16.2	24.4





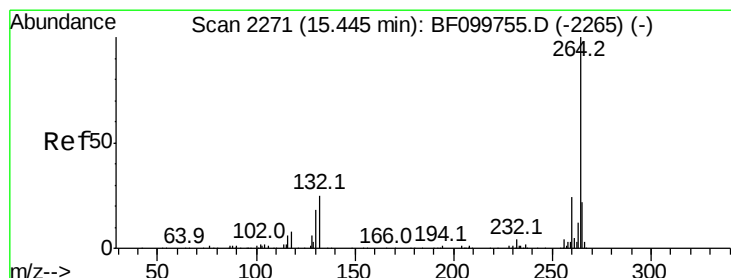
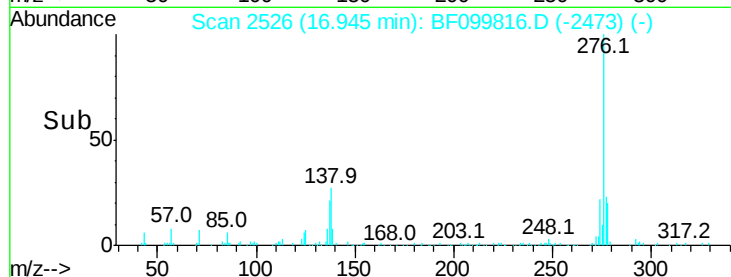
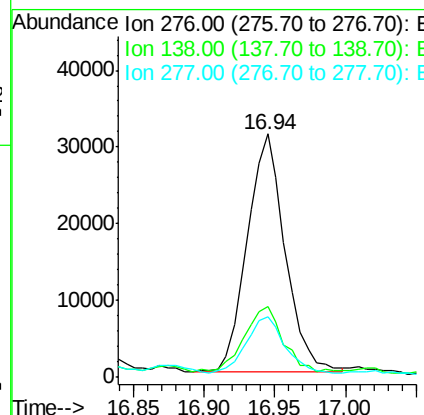
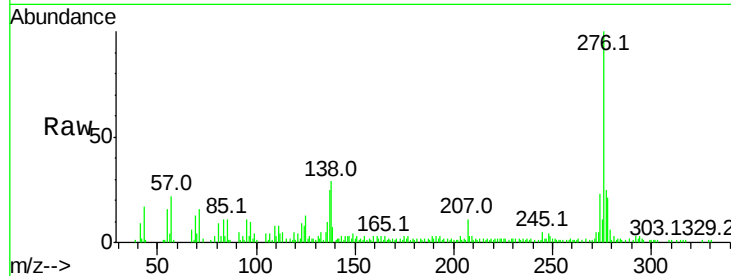
#85
Indeno(1,2,3-cd)pyrene
Concen: 6.113 ng
RT: 16.94 min Scan# 2526
Delta R.T. 0.01 min
Lab File: BF099816.D
Acq: 25 Oct 2017 16:33

Instrument :
BNA_F
ClientSampleId :
OK-01-102017

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.8	25.0	37.6
277	25.0	20.1	30.1

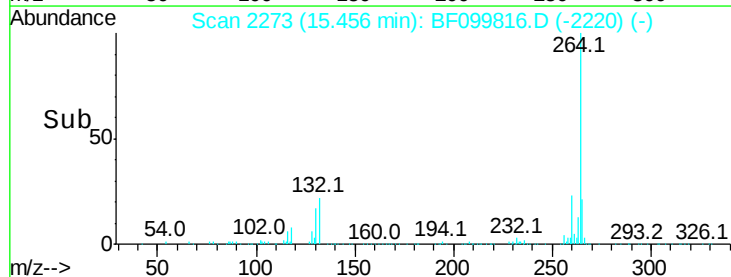
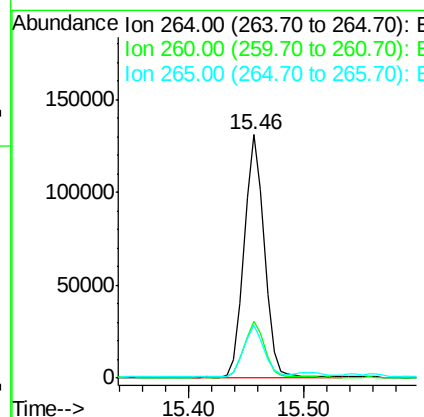
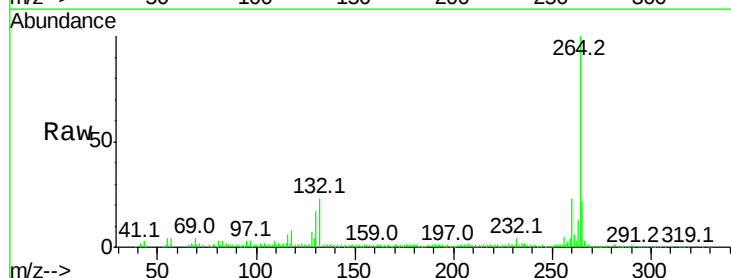
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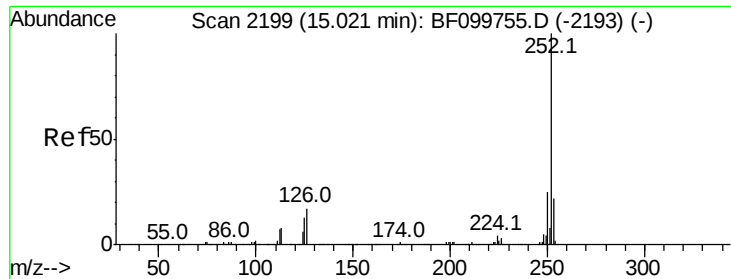
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2273
Delta R.T. 0.01 min
Lab File: BF099816.D
Acq: 25 Oct 2017 16:33

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.9	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 15.830 ng m

RT: 15.03 min Scan# 2200

Delta R.T. 0.01 min

Lab File: BF099816.D

Acq: 25 Oct 2017 16:33

Instrument :

BNA_F

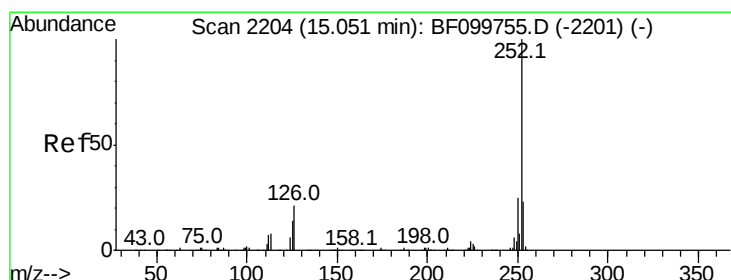
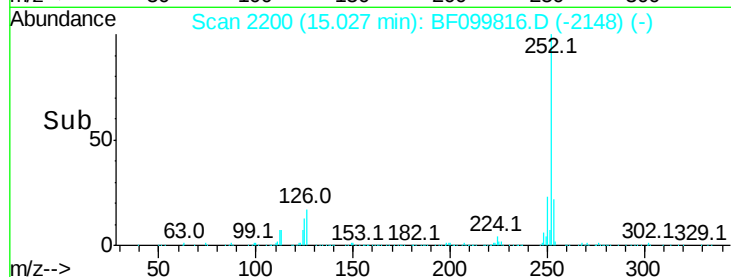
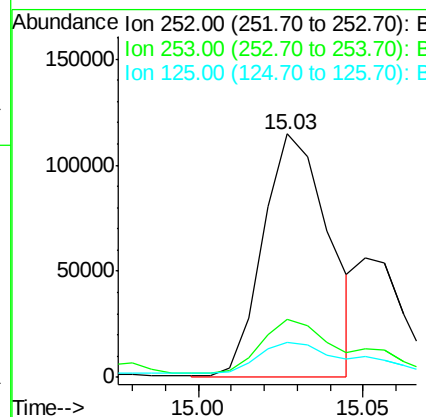
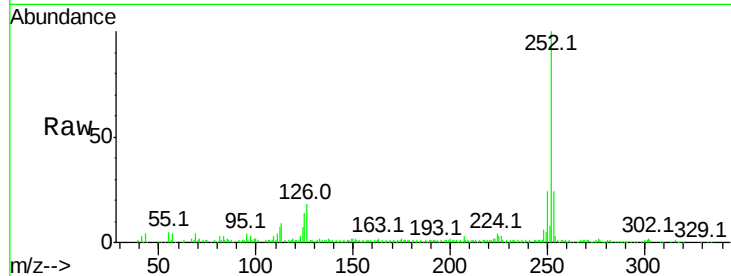
ClientSampleId :

OK-01-102017

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.0	25.6
125	14.5	9.0	13.6#

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#88

Benzo(k)fluoranthene

Concen: 5.930 ng m

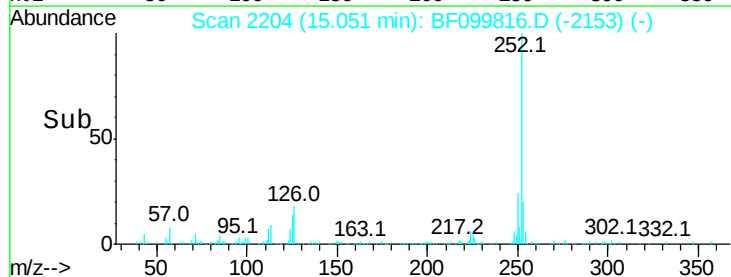
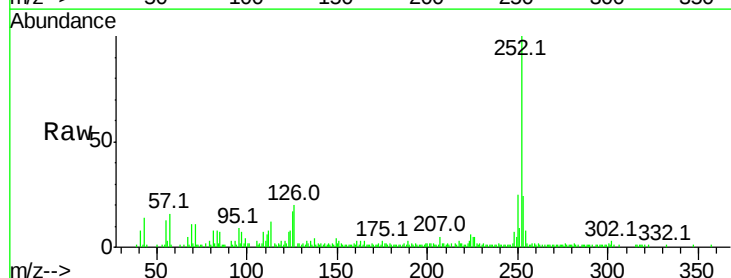
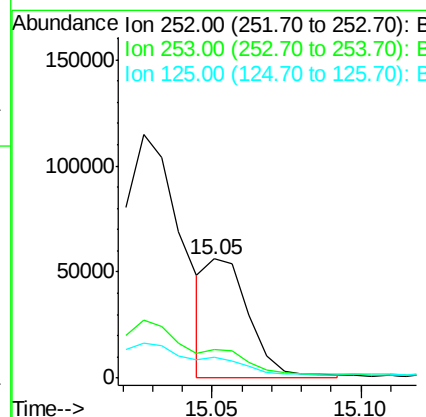
RT: 15.05 min Scan# 2204

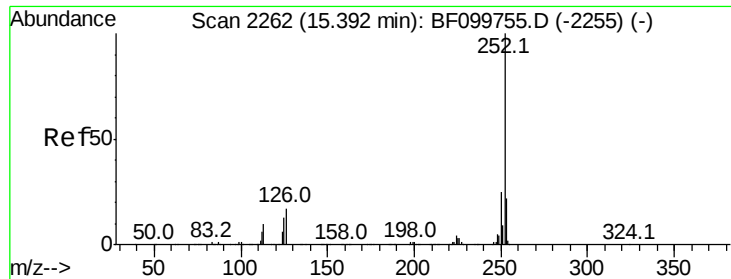
Delta R.T. -0.00 min

Lab File: BF099816.D

Acq: 25 Oct 2017 16:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.9	26.9
125	17.1	10.2	15.2#





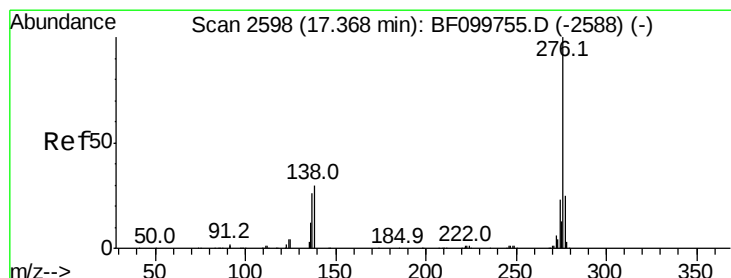
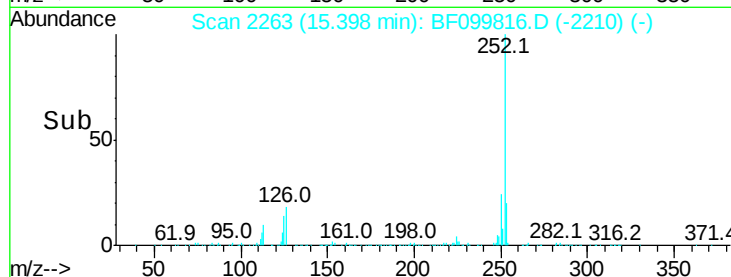
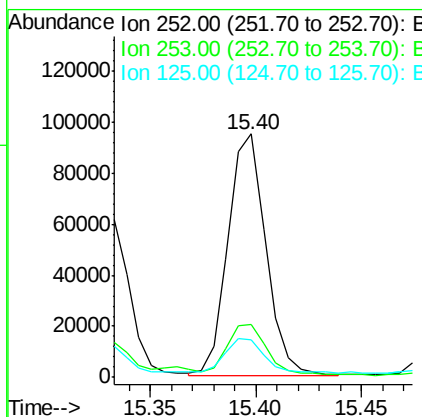
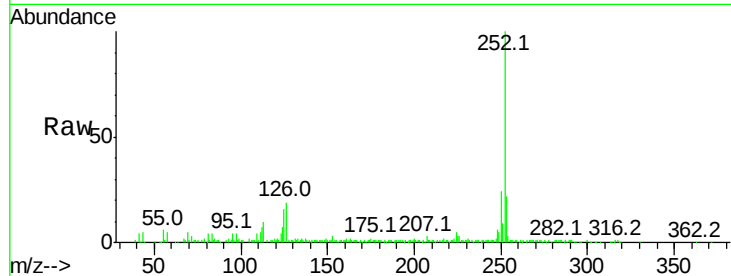
#89
Benzo(a)pyrene
Concen: 12.986 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.01 min
Lab File: BF099816.D
Acq: 25 Oct 2017 16:33

Instrument :
BNA_F
ClientSampleId :
OK-01-102017

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.1	25.7
125	15.5	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 7.013 ng
RT: 17.40 min Scan# 2603
Delta R.T. 0.02 min
Lab File: BF099816.D
Acq: 25 Oct 2017 16:33

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.4	17.9	26.9
138	30.6	21.8	32.8

