

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101817\
 Data File : BF099614.D
 Acq On : 18 Oct 2017 13:44
 Operator : SJ/JU
 Sample : I5890-17
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ENGERT-COMP-2

Manual Integrations
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 10/19/2017 5:14:34 PM

Quant Time: Oct 18 15:44:22 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 18 15:18:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	88394	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	429239	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	214133	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	340483	20.00	ng	0.00
75) Chrysene-d12	13.99	240	200332	20.00	ng	0.00
86) Perylene-d12	15.46	264	212979	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	706098	127.16	ng	0.01
7) Phenol-d6	6.47	99	727977	106.28	ng	0.00
23) Nitrobenzene-d5	7.40	82	438042	65.45	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	152960	87.30	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	659967	51.45	ng	0.00
78) Terphenyl-d14	12.93	244	379269	43.06	ng	0.00
Target Compounds						
10) Phenol	6.49	94	52638	6.871	ng	89
31) Naphthalene	8.13	128	57213	2.838	ng	# 72
49) Dimethylphthalate	9.57	163	271925	16.825	ng	99
70) Phenanthrene	11.37	178	55418	3.041	ng	98
74) Fluoranthene	12.56	202	83443	4.521	ng	99
77) Pyrene	12.79	202	81542	5.338	ng	98
80) Benzo(a)anthracene	13.98	228	36413	3.002	ng	99
82) Chrysene	14.02	228	33601m	2.909	ng	
85) Indeno(1,2,3-cd)pyrene	16.94	276	27700	2.998	ng	98
87) Benzo(b)fluoranthene	15.03	252	51535m	3.936	ng	
89) Benzo(a)pyrene	15.40	252	39184	3.260	ng	# 82
91) Benzo(a,h,i)perylene	17.39	276	28925	3.042	ng	# 88

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

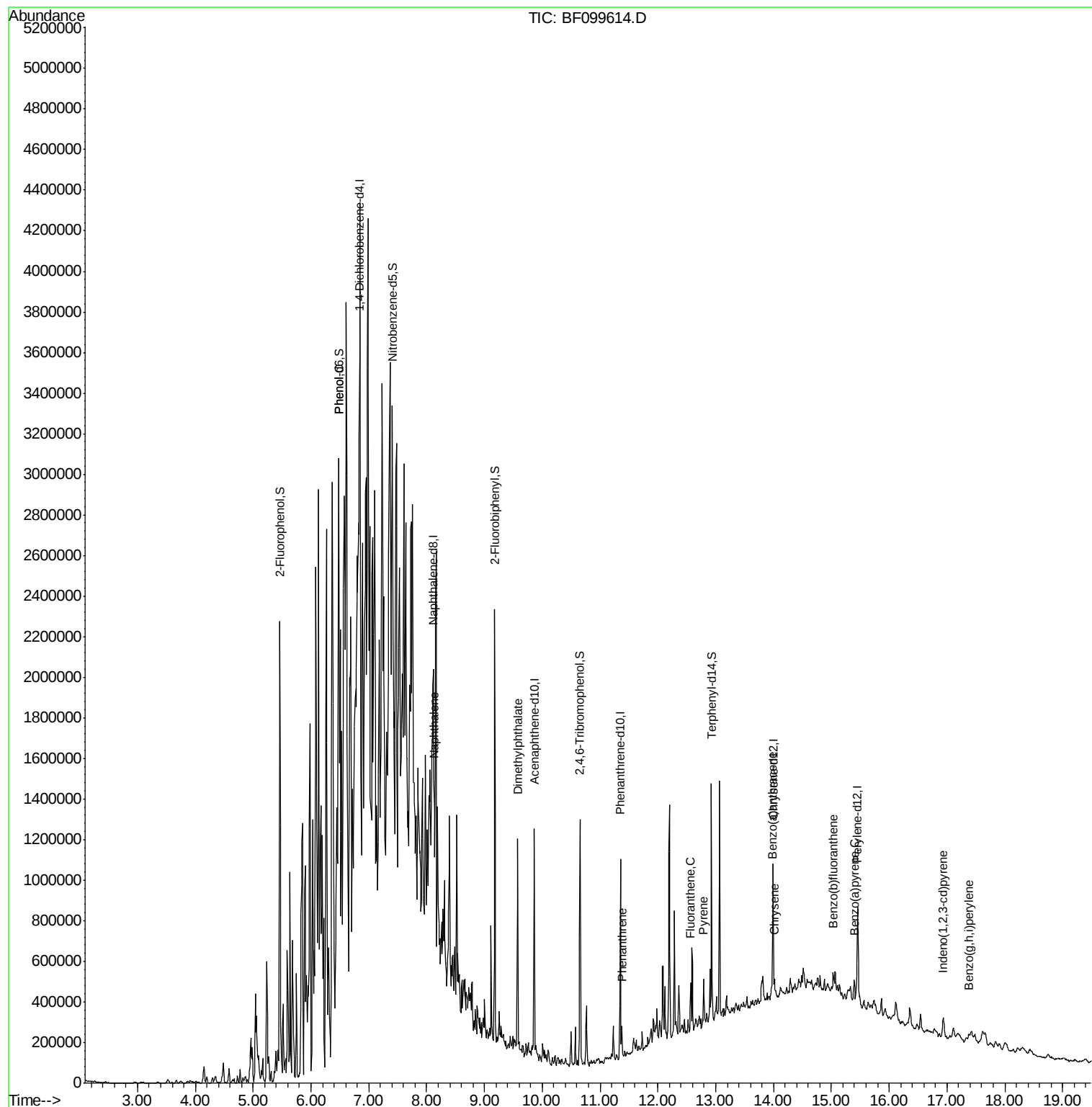
Data Path : Z:\HPCHEM1\BNA F\DATA\BF101817\
Data File : BF099614.D
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ALS Vial : 9 Sample Multiplier: 1

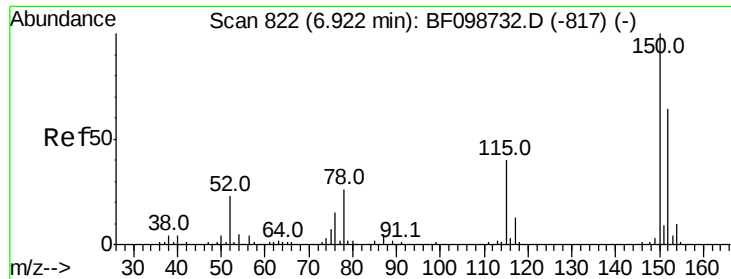
Instrument :
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ClientSampleId :
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Quant Time: Oct 18 15:44:22 2017
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

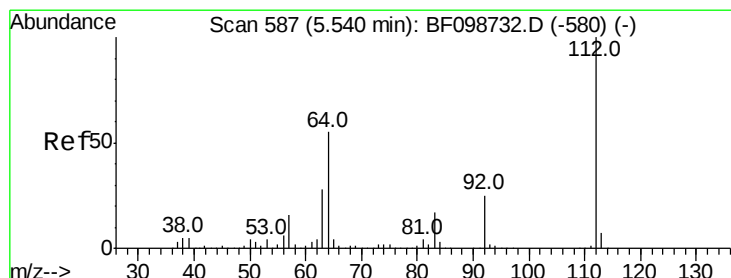
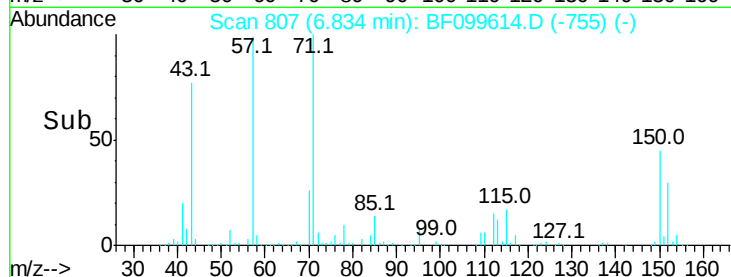
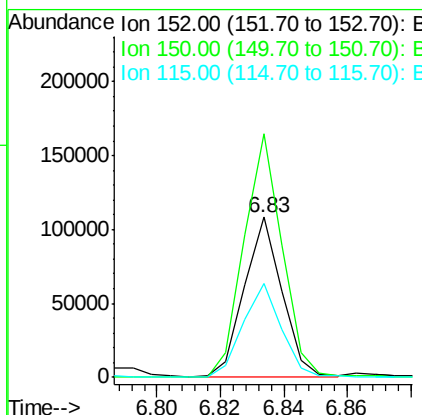
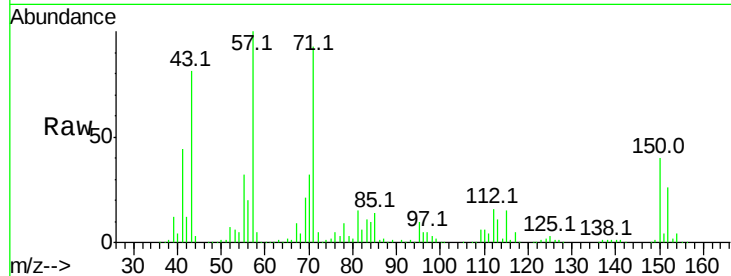
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. 0.01 min
Lab File: BF099614.D
Acq: 18 Oct 2017 13:44

Instrument :
BNA_F
ClientSampleId :
ENGERT-COMP-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.4	124.6	186.8
115	58.7	50.1	75.1

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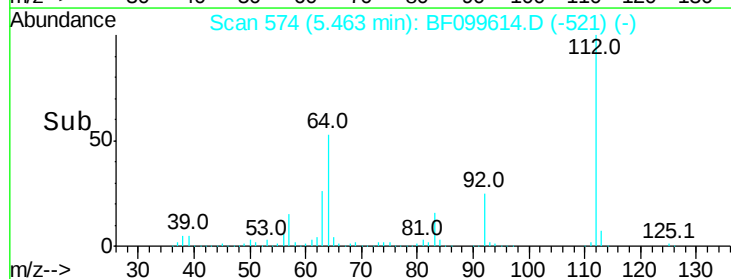
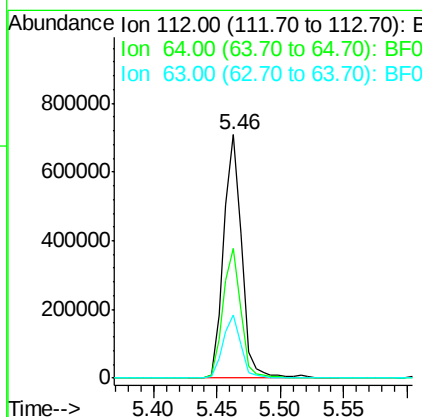
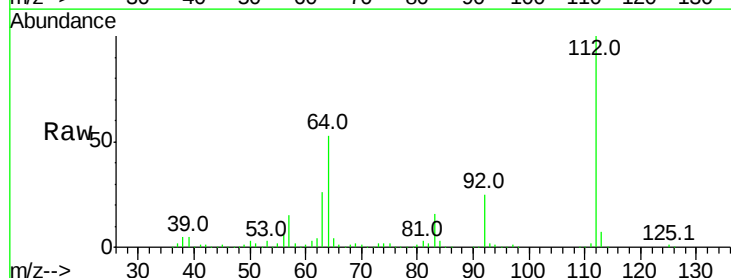
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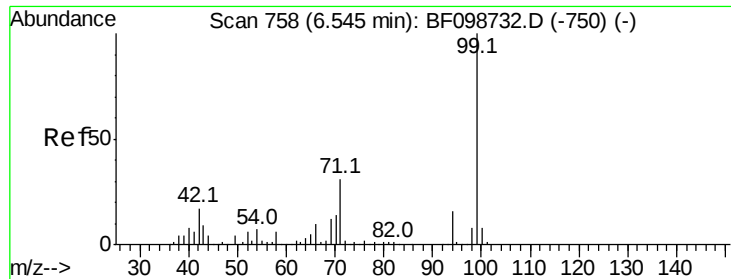


#5

2-Fluorophenol
Concen: 127.162 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.01 min
Lab File: BF099614.D
Acq: 18 Oct 2017 13:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.2	47.9	71.9
63	26.1	23.7	35.5





#7

Phenol-d6

Concen: 106.275 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF099614.D

Acq: 18 Oct 2017 13:44

Instrument :

BNA_F

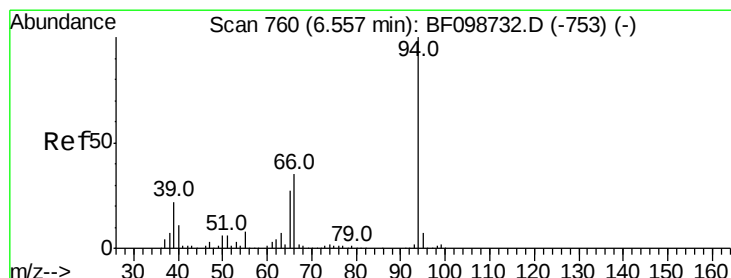
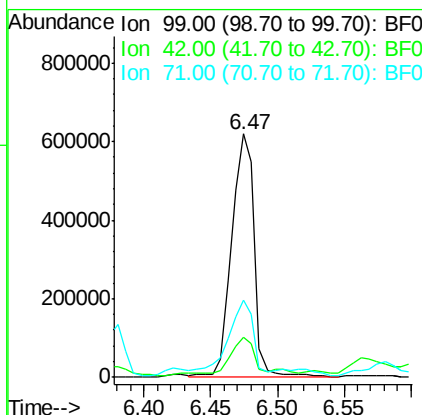
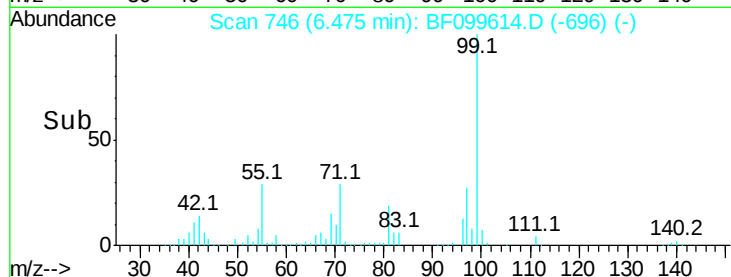
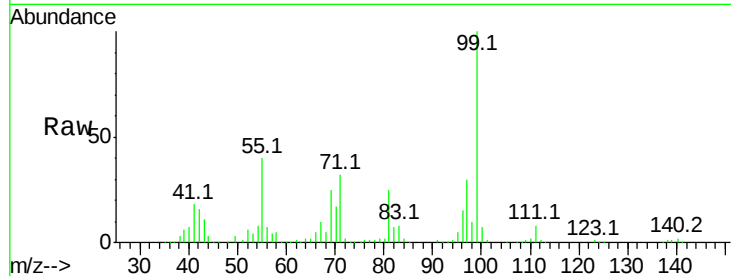
ClientSampleId :

ENGERT-COMP-2

Tot Ion:	99	Resp:	727977
Ion	Ratio	Lower	Upper
99	100		
42	16.4	14.5	21.7
71	31.7	25.4	38.0

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#10

Phenol

Concen: 6.871 ng

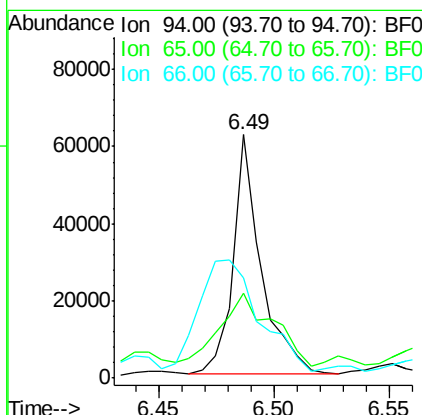
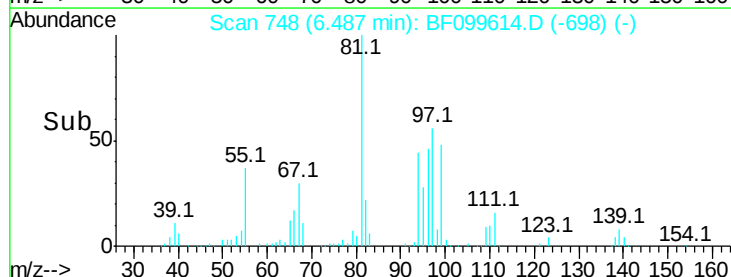
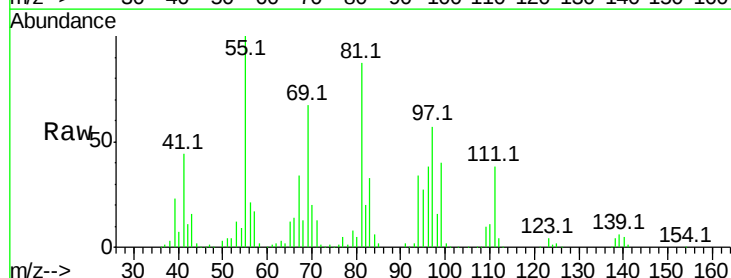
RT: 6.49 min Scan# 748

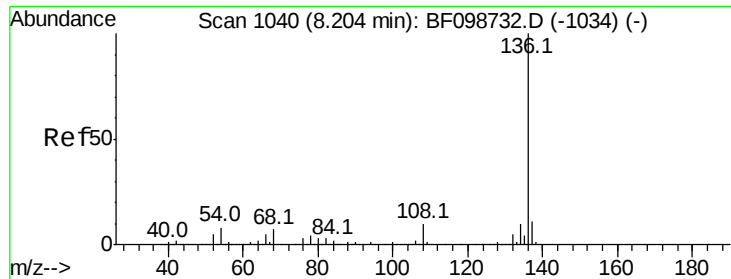
Delta R.T. -0.01 min

Lab File: BF099614.D

Acq: 18 Oct 2017 13:44

Tgt Ion:	94	Resp:	52638
Ion	Ratio	Lower	Upper
94	100		
65	34.7	7.9	47.9
66	41.4	16.2	56.2





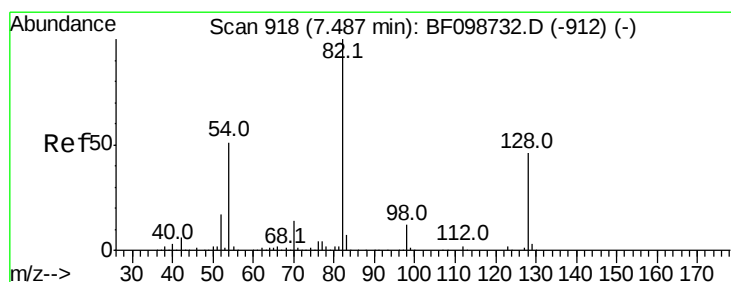
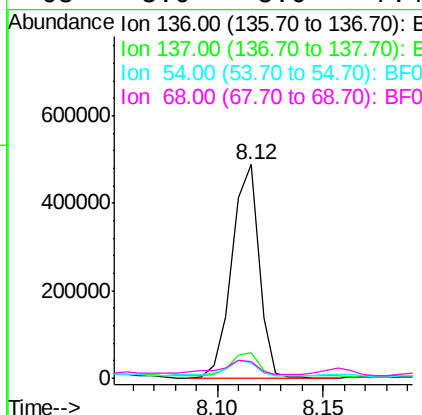
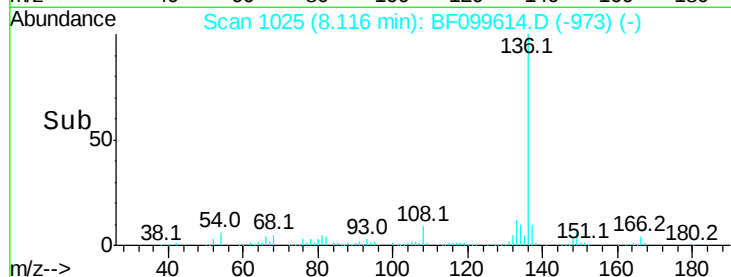
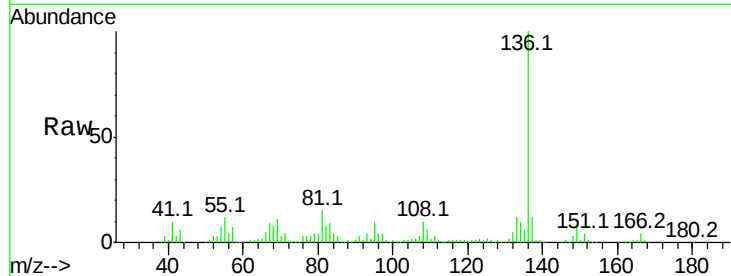
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. 0.01 min
Lab File: BF099614.D
Acq: 18 Oct 2017 13:44

Instrument :
BNA_F
ClientSampleId :
ENGERT-COMP-2

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.8	8.9	13.3	
54	7.4	6.6	9.8	
68	8.0	5.0	7.4#	

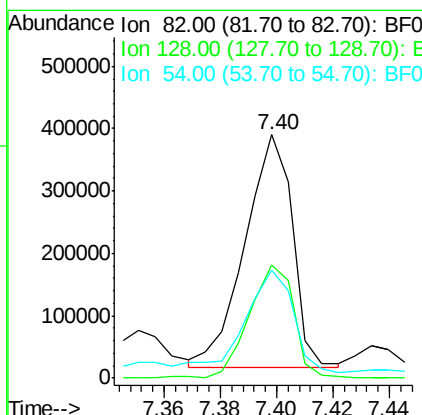
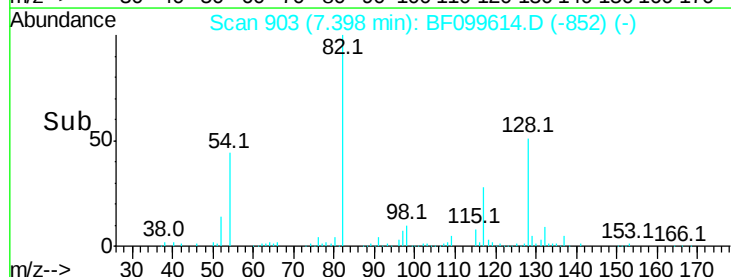
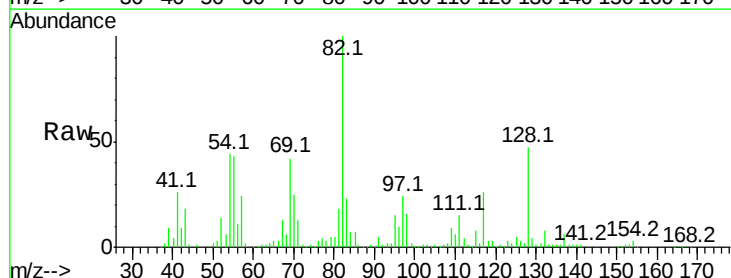
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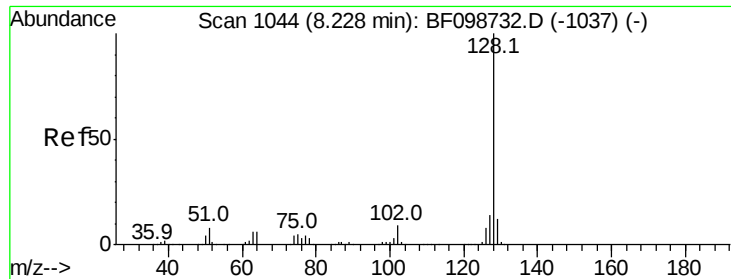
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#23
Nitrobenzene-d5
Concen: 65.445 ng
RT: 7.40 min Scan# 903
Delta R.T. 0.00 min
Lab File: BF099614.D
Acq: 18 Oct 2017 13:44

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.6	36.1	54.1	
54	44.3	41.4	62.2	





#31

Naphthalene

Concen: 2.838 ng

RT: 8.13 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BF099614.D

Acq: 18 Oct 2017 13:44

Instrument :

BNA_F

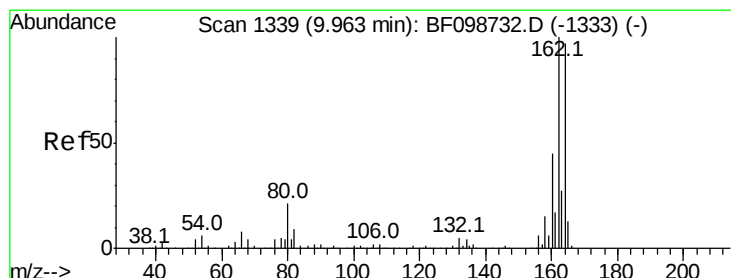
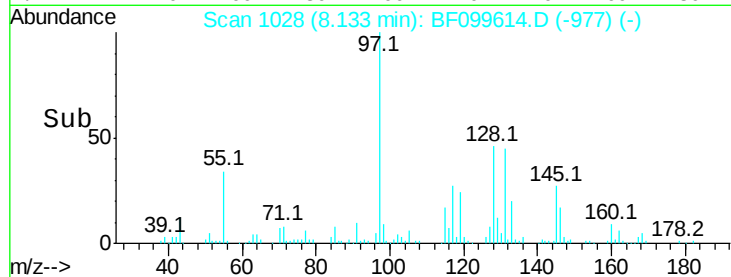
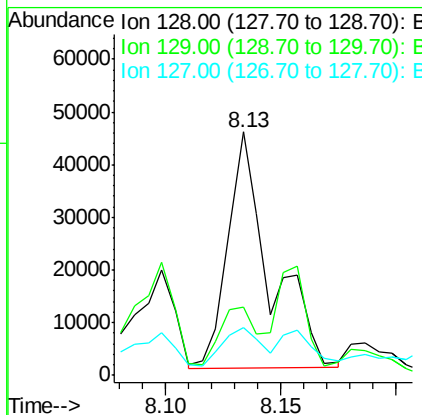
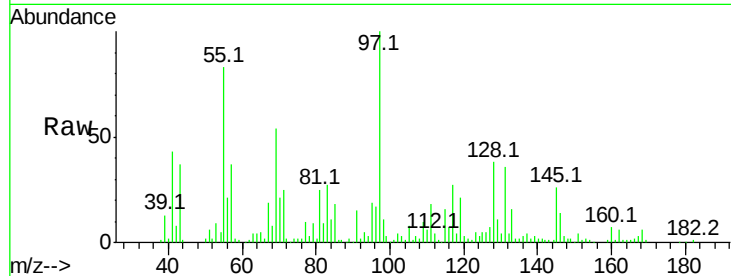
ClientSampleId :

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Tot Ion	Ratio	Lower	Upper
128	100		
129	27.9	8.8	13.2#
127	19.7	10.9	16.3#

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#38

Acenaphthene-d10

Concen: 20.000 ng

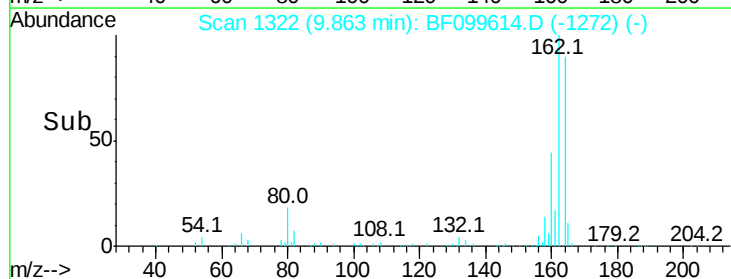
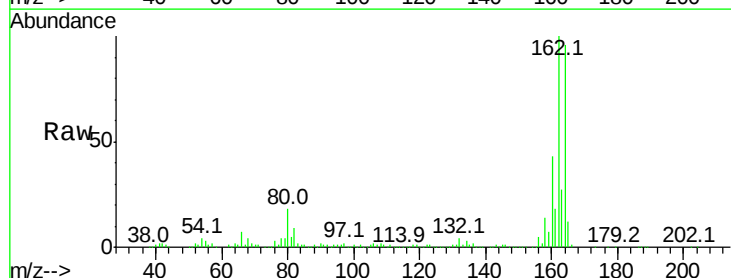
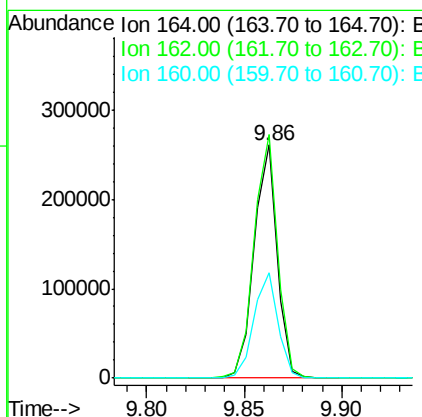
RT: 9.86 min Scan# 1322

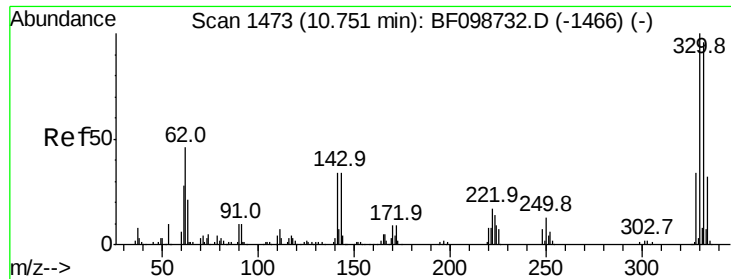
Delta R.T. -0.01 min

Lab File: BF099614.D

Acq: 18 Oct 2017 13:44

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.3	86.1	129.1
160	45.3	38.3	57.5





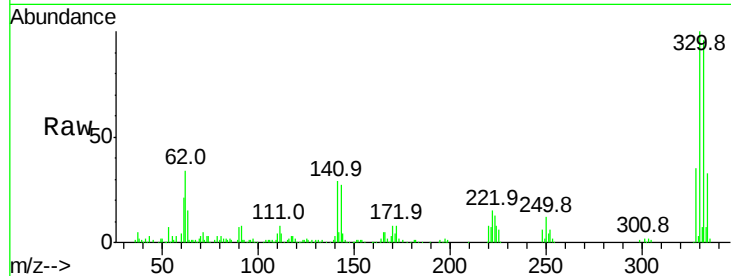
#41
 2,4,6-Tribromophenol
 Concen: 87.297 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: BF099614.D
 Acq: 18 Oct 2017 13:44

Instrument :
 BNA_F
 ClientSampleId :
 ENGERT-COMP-2

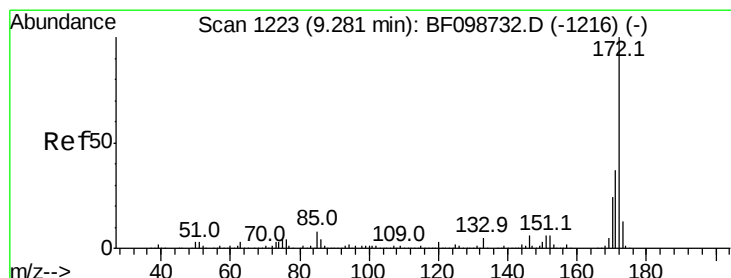
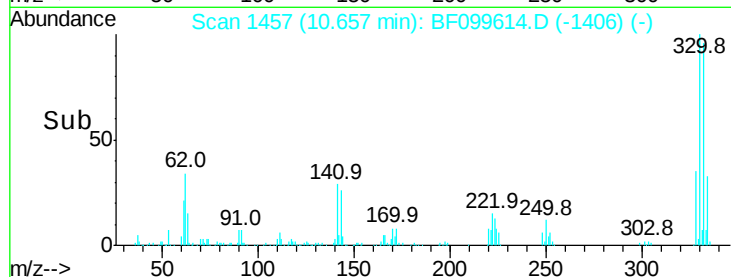
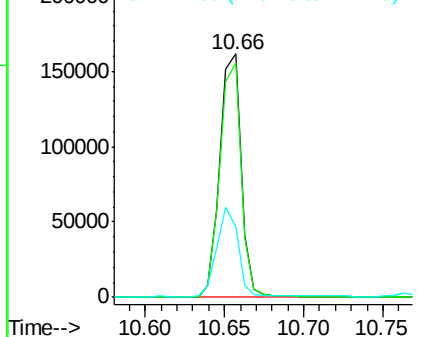
Tot Ion	Ratio	Resp	Lower	Upper
330	100	152960		
332	95.9	77.0	115.6	
141	36.4	29.9	44.9	

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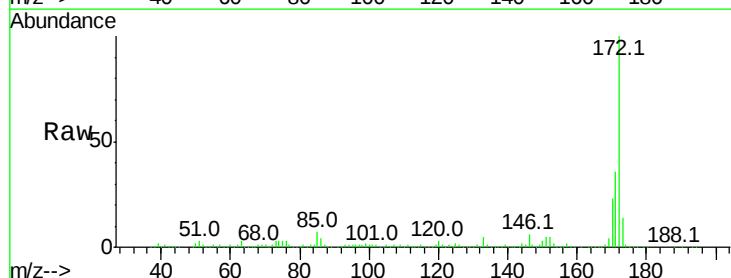


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

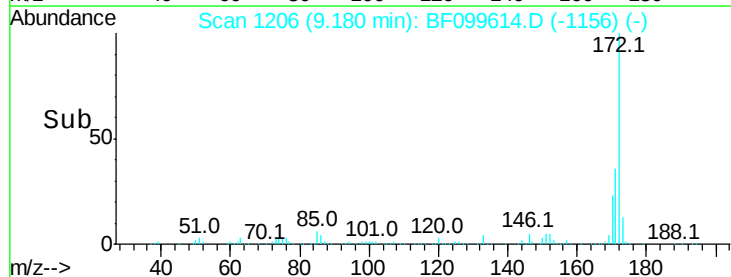
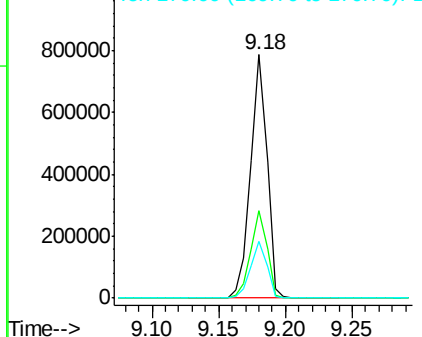


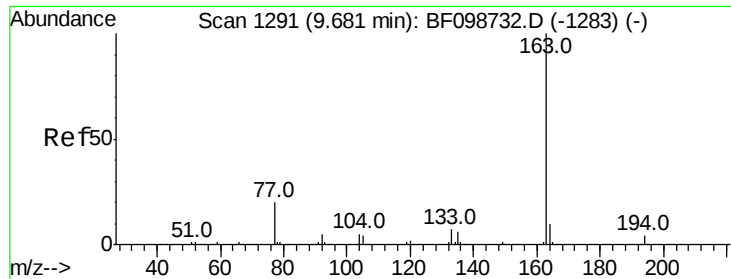
#44
 2-Fluorobiphenyl
 Concen: 51.452 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: BF099614.D
 Acq: 18 Oct 2017 13:44

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	659967		
171	35.8	29.7	44.5	
170	23.5	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





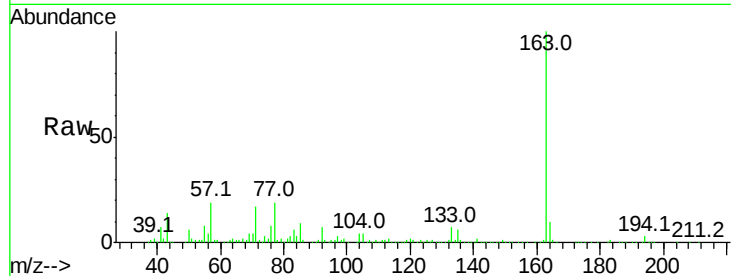
#49
Dimethylphthalate
Concen: 16.825 ng
RT: 9.57 min Scan# 1273
Delta R.T. -0.02 min
Lab File: BF099614.D
Acq: 18 Oct 2017 13:44

Instrument :
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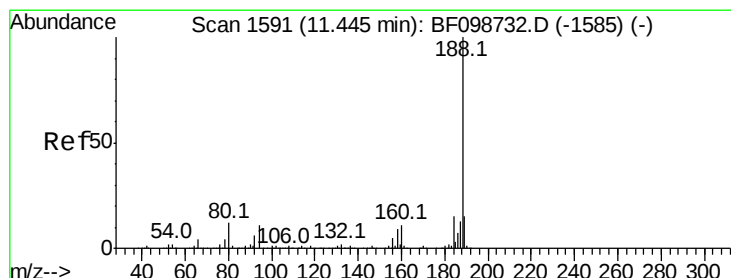
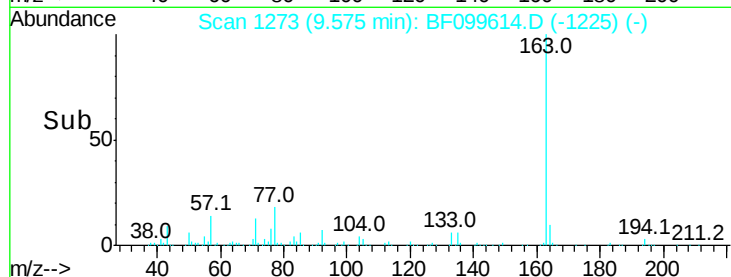
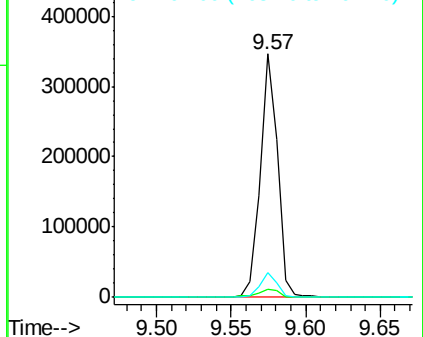
Tot Ion	Ratio	Resp	Lower	Upper
163	100	271925		
194	3.4	2.7	4.1	
164	9.9	8.2	12.2	

Manual Integrations
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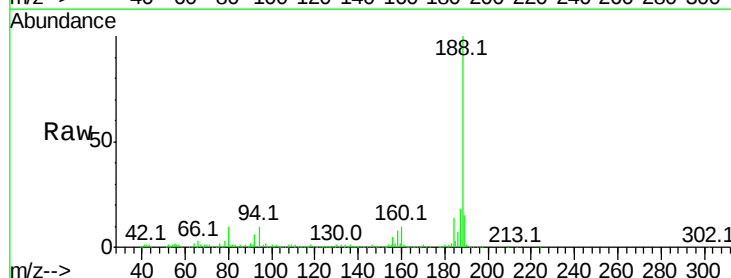


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

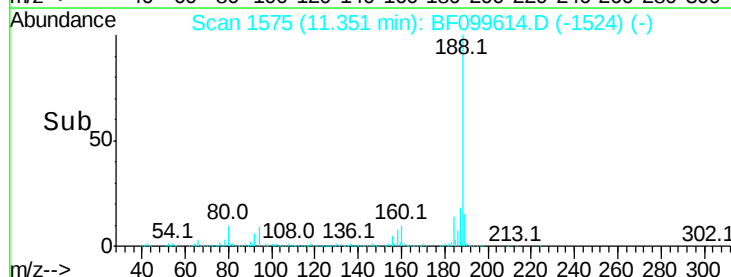
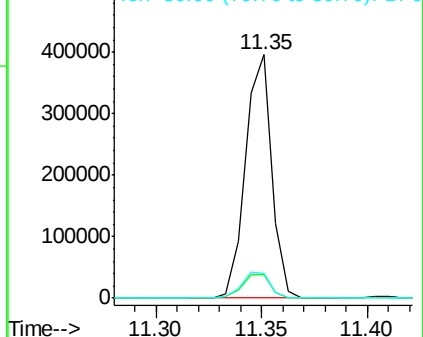


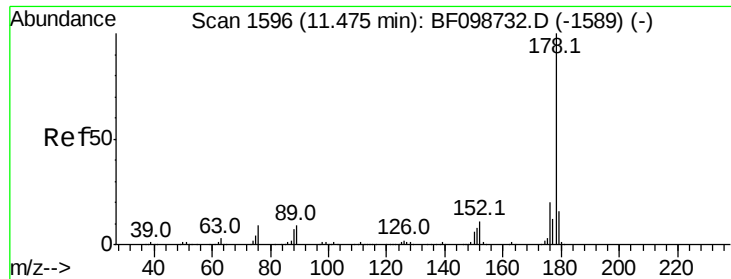
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1575
Delta R.T. 0.00 min
Lab File: BF099614.D
Acq: 18 Oct 2017 13:44

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	340483		
94	9.6	8.5	12.7	
80	9.9	9.2	13.8	



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0





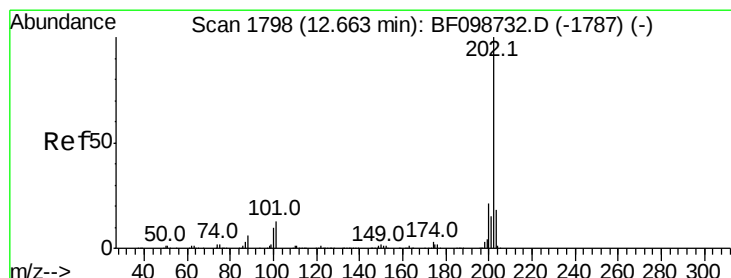
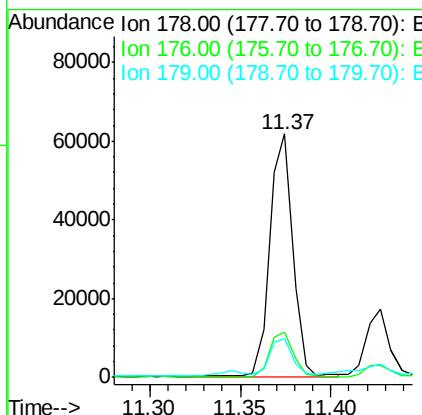
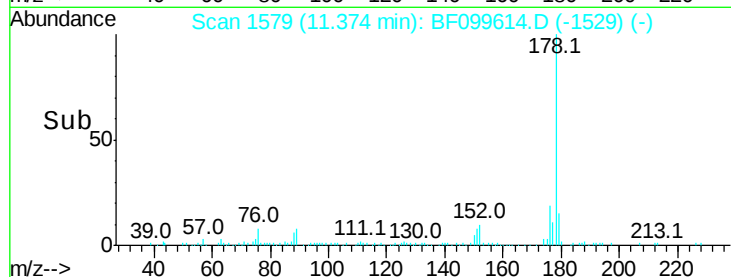
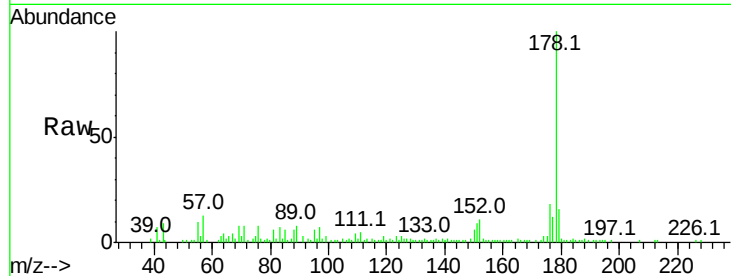
#70
Phenanthrene
Concen: 3.041 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BF099614.D
Acq: 18 Oct 2017 13:44

Instrument :
BNA_F
ClientSampleId :
ENGERT-COMP-2

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.8	23.8
179	15.7	13.0	19.6

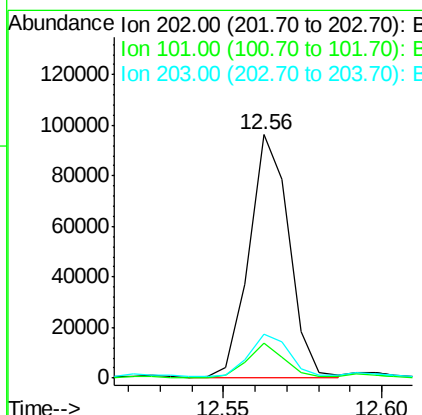
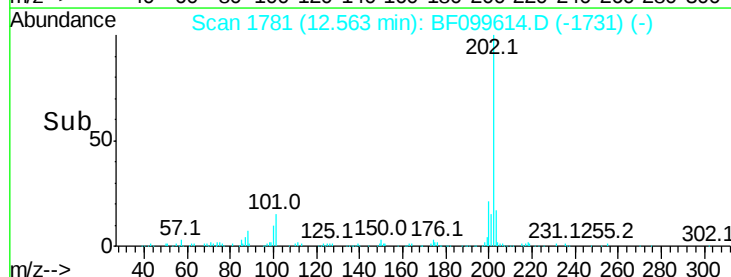
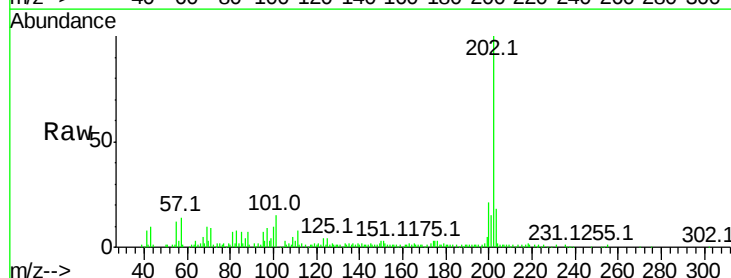
Manual Integrations
APPROVED

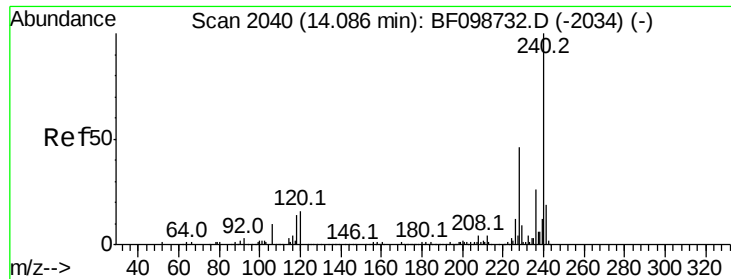
Sohil
10/19/2017 5:14:34 PM



#74
Fluoranthene
Concen: 4.521 ng
RT: 12.56 min Scan# 1781
Delta R.T. -0.01 min
Lab File: BF099614.D
Acq: 18 Oct 2017 13:44

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.6	0.0	34.1
203	17.9	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF099614.D

Acq: 18 Oct 2017 13:44

Instrument :

BNA_F

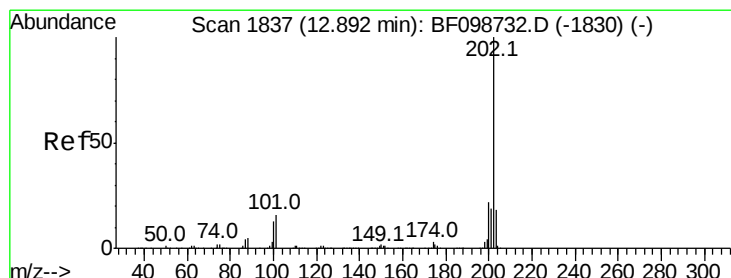
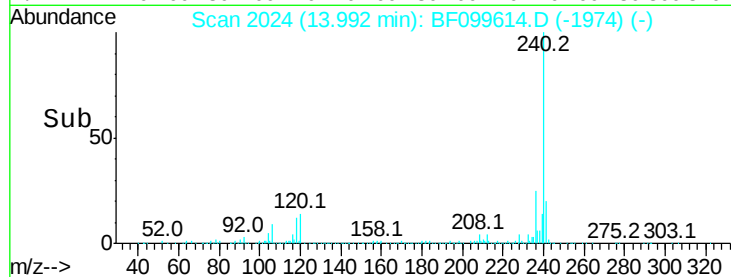
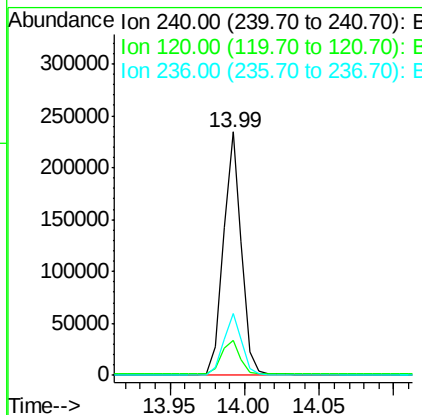
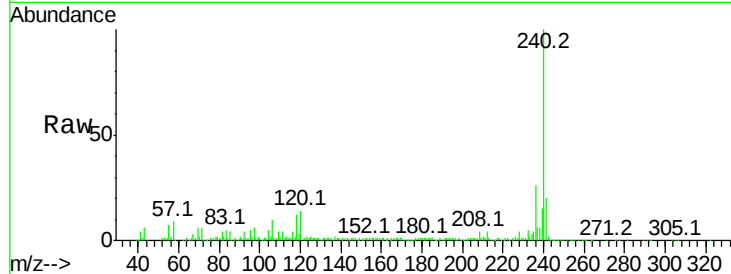
ClientSampleId :

ENGERT-COMP-2

Tot Ion:	240	Resp:	200332
Ion Ratio	Lower	Upper	
240	100		
120	14.5	9.5	14.3#
236	25.5	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 5.338 ng

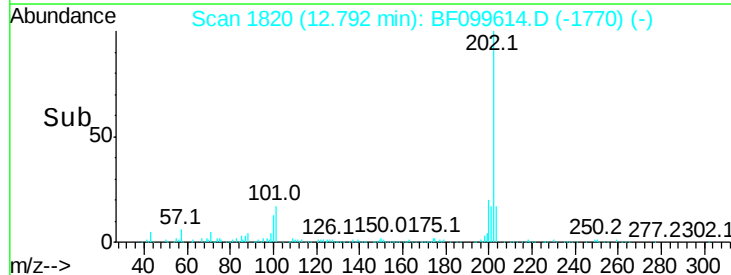
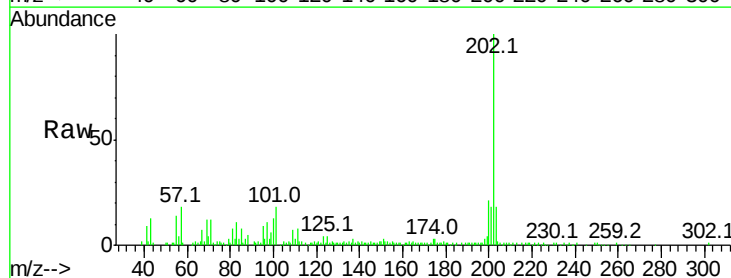
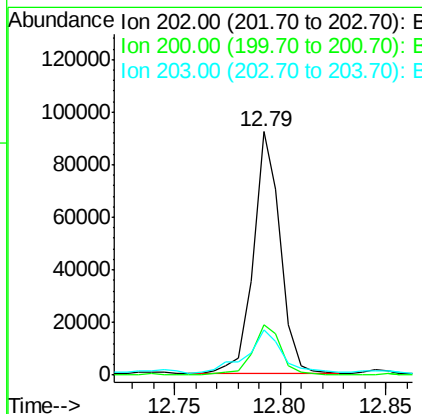
RT: 12.79 min Scan# 1820

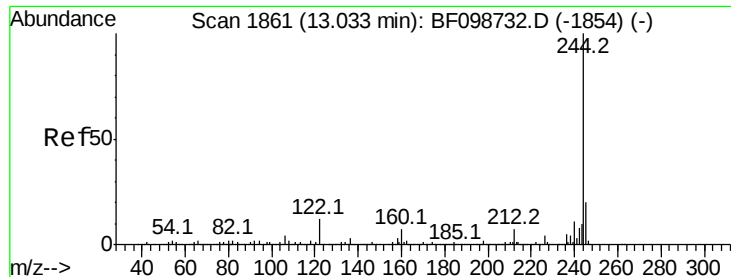
Delta R.T. -0.01 min

Lab File: BF099614.D

Acq: 18 Oct 2017 13:44

Tgt Ion:	202	Resp:	81542
Ion Ratio	Lower	Upper	
202	100		
200	20.5	17.4	26.2
203	18.4	14.3	21.5





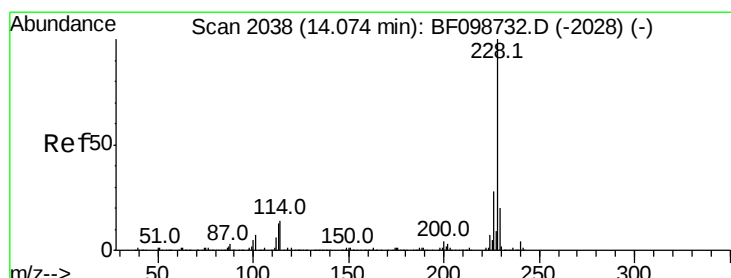
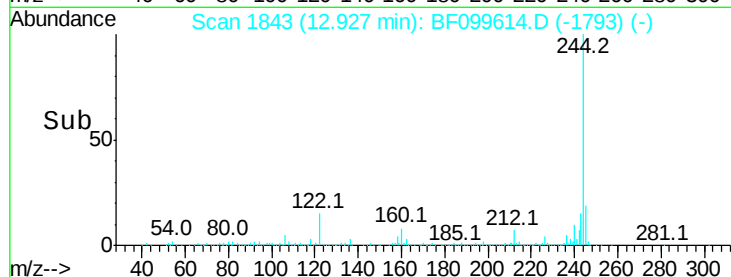
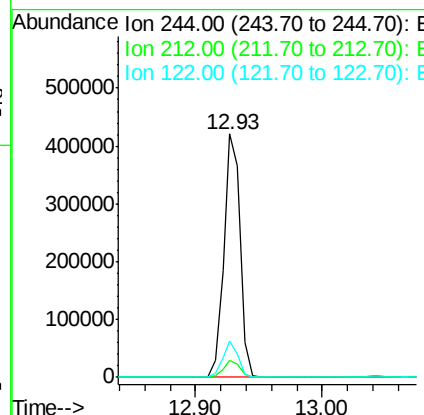
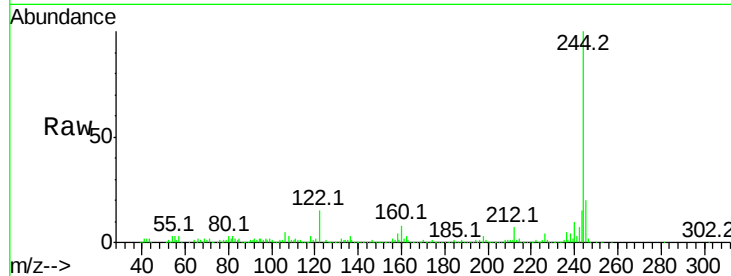
#78
 Terphenyl-d14
 Concen: 43.055 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: BF099614.D
 Acq: 18 Oct 2017 13:44

Instrument :
 BNA_F
 ClientSampleId :
 ENGERT-COMP-2

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	15.0	11.0	16.4

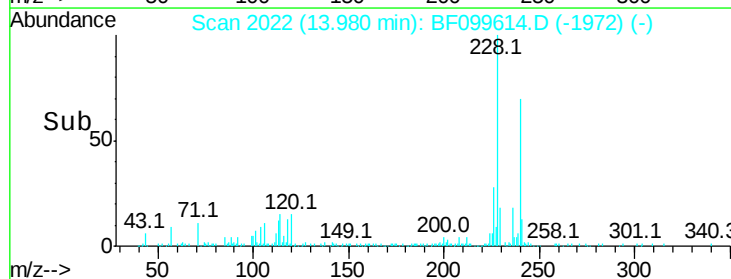
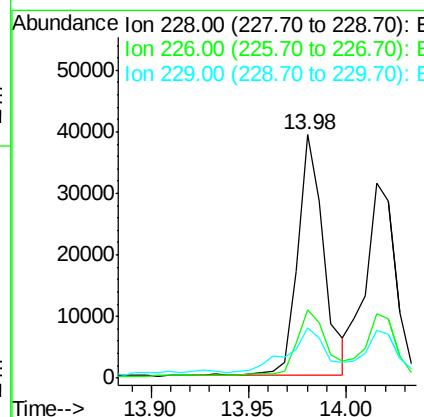
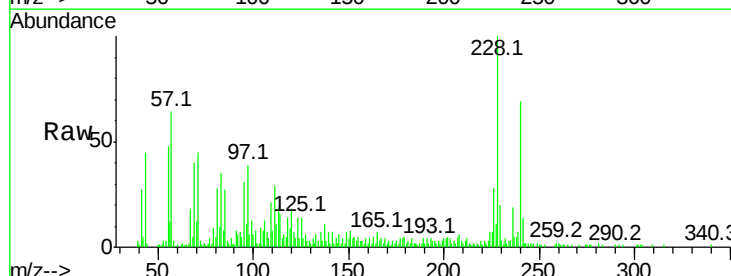
Manual Integrations
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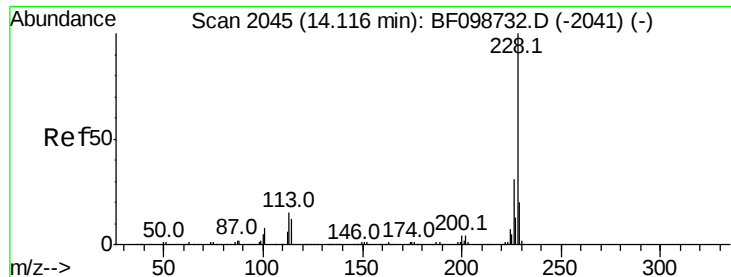
Sohil
 10/19/2017 5:14:34 PM



#80
 Benzo(a)anthracene
 Concen: 3.002 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.01 min
 Lab File: BF099614.D
 Acq: 18 Oct 2017 13:44

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.6	33.8
229	20.5	15.8	23.6





#82

Chrysene

Concen: 2.909 ng/mL

RT: 14.02 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BF099614.D

Acq: 18 Oct 2017 13:44

Instrument :

BNA_F

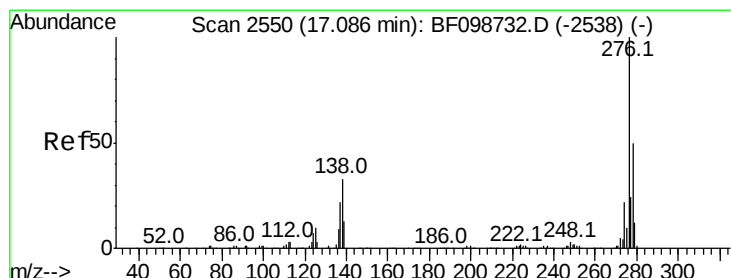
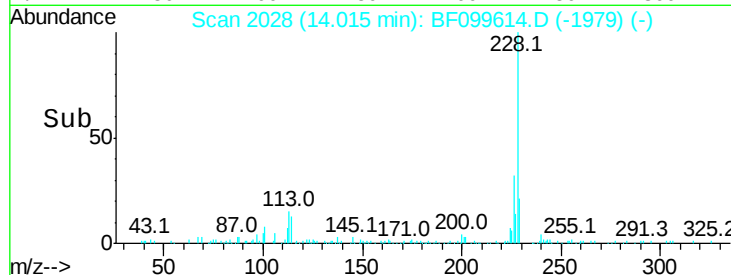
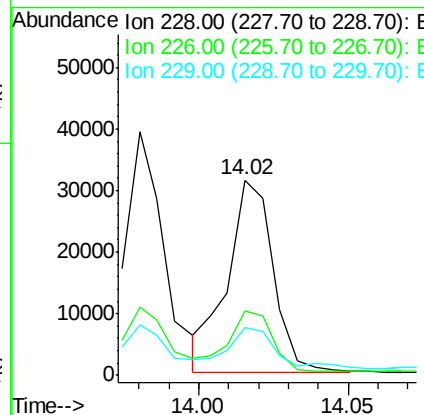
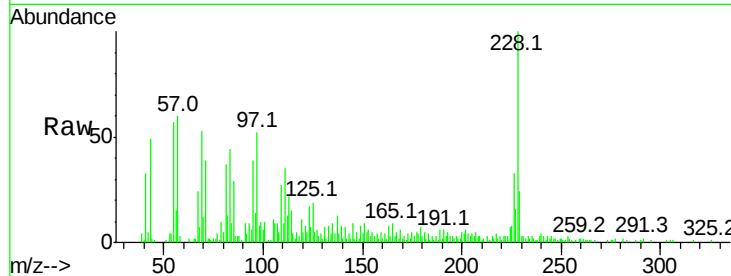
ClientSampleID :

ENGERT-COMP-2

Tot Ion:	228	Resp:	33601
Ion Ratio	Lower	Upper	
228	100		
226	33.1	25.0	37.6
229	24.4	16.2	24.4

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 2.998 ng/mL

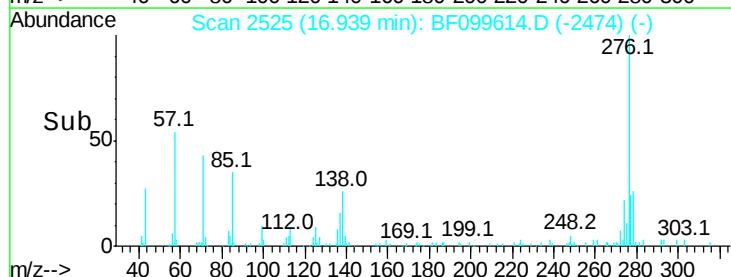
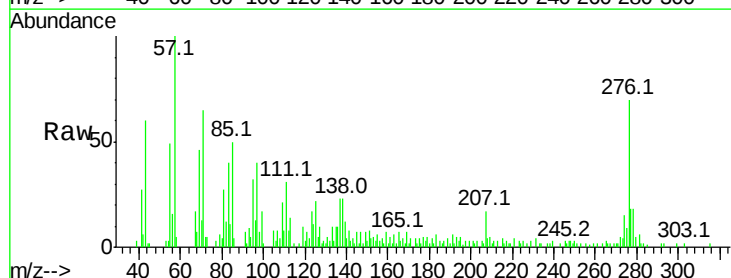
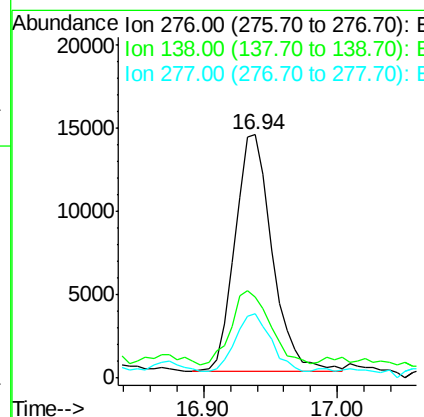
RT: 16.94 min Scan# 2525

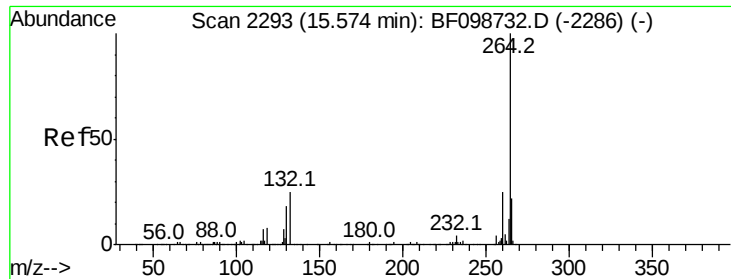
Delta R.T. 0.00 min

Lab File: BF099614.D

Acq: 18 Oct 2017 13:44

Tgt Ion:	276	Resp:	27700
Ion Ratio	Lower	Upper	
276	100		
138	31.9	25.0	37.6
277	23.1	20.1	30.1





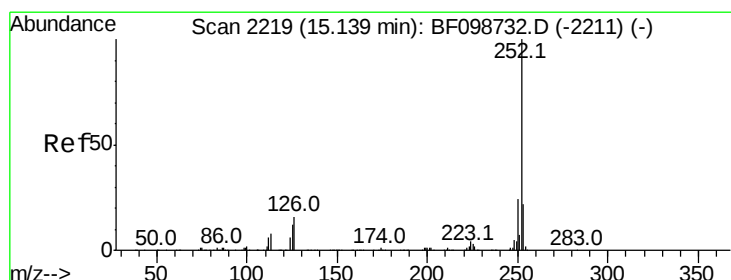
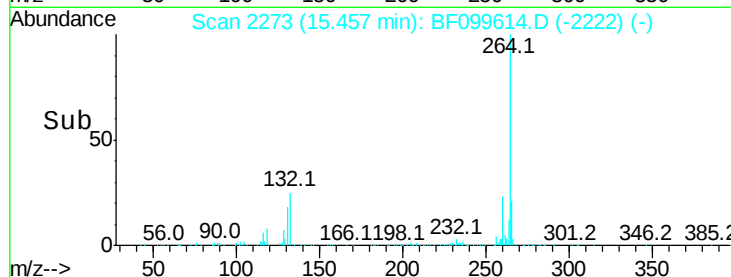
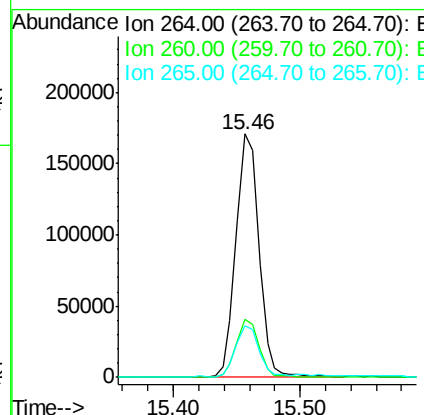
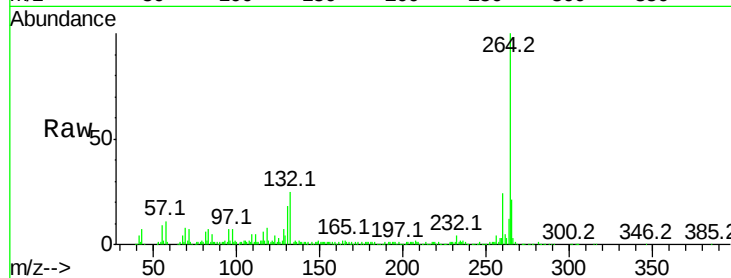
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2273
Delta R.T. 0.00 min
Lab File: BF099614.D
Acq: 18 Oct 2017 13:44

Instrument :
BNA_F
ClientSampleId :
ENGERT-COMP-2

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.1	17.5	26.3

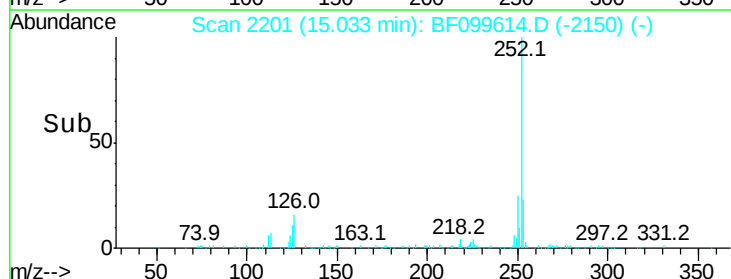
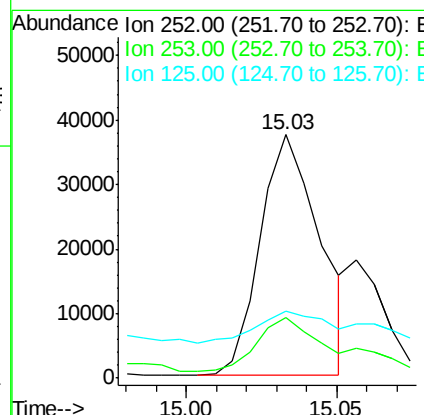
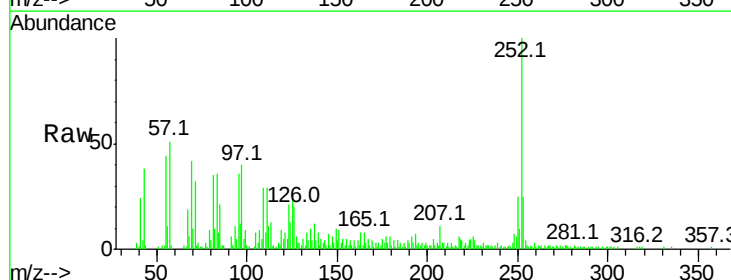
Manual Integrations
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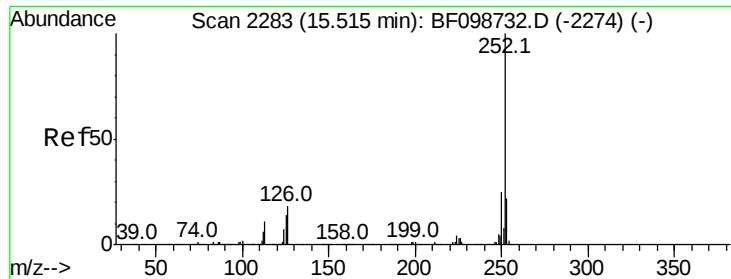
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#87
Benzo(b)fluoranthene
Concen: 3.936 ng m
RT: 15.03 min Scan# 2201
Delta R.T. 0.00 min
Lab File: BF099614.D
Acq: 18 Oct 2017 13:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.0	25.6
125	27.5	9.0	13.6#





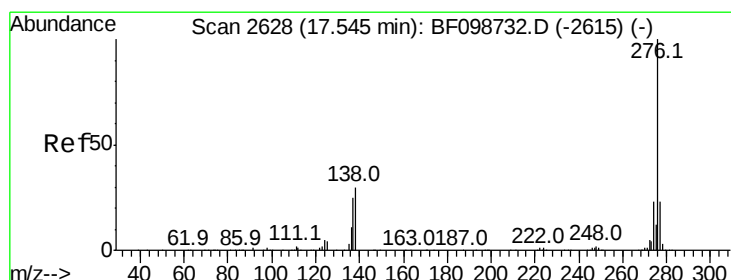
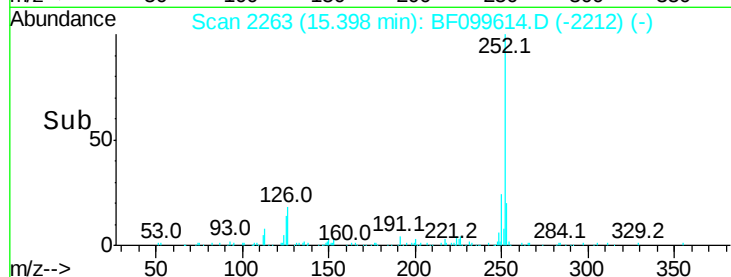
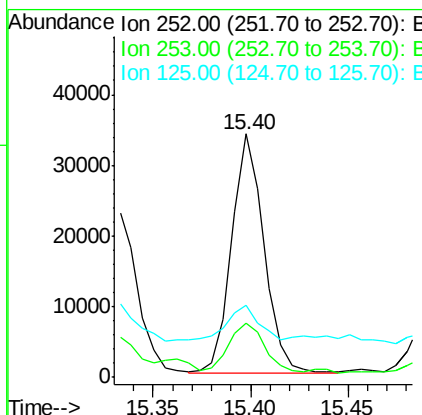
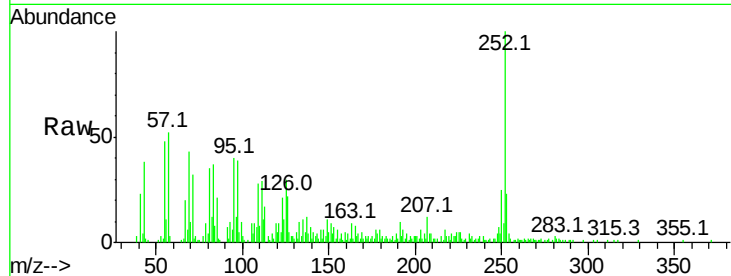
#89
Benzo(a)pyrene
Concen: 3.260 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.00 min
Lab File: BF099614.D
Acq: 18 Oct 2017 13:44

Instrument :
BNA_F
ClientSampleId :
ENGERT-COMP-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.1	25.7
125	29.8	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 3.042 ng
RT: 17.39 min Scan# 2601
Delta R.T. 0.01 min
Lab File: BF099614.D
Acq: 18 Oct 2017 13:44

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.8	17.9	26.9
138	33.8	21.8	32.8

