

Data Path : Z:\HPCHEM1\BNA F\DATA\BF063017\
 Data File : BF096326.D
 Acq On : 30 Jun 2017 10:04
 Operator : SJ/MA
 Sample : I3951-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUCT-BANK

Manual Integrations
 APPROVED

mohammad
 7/3/2017 11:36:41 AM

Quant Time: Jun 30 17:52:03 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF062717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 28 15:41:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	137711	20.00	ng	-0.01
21) Naphthalene-d8	8.05	136	570033	20.00	ng	0.00
38) Acenaphthene-d10	9.80	164	239053	20.00	ng	0.00
63) Phenanthrene-d10	11.29	188	399714	20.00	ng	0.00
75) Chrysene-d12	13.92	240	275573	20.00	ng	0.00
86) Perylene-d12	15.34	264	263172	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	1100731	115.16	ng	0.00
7) Phenol-d6	6.40	99	1368379	118.22	ng	0.01
23) Nitrobenzene-d5	7.33	82	786302	95.49	ng	-0.03
41) 2,4,6-Tribromophenol	10.59	330	291191	154.78	ng	0.00
44) 2-Fluorobiphenyl	9.13	172	1177722	90.22	ng	-0.02
78) Terphenyl-d14	12.87	244	859626	77.84	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.42	94	30928	2.43	ng	87
31) Naphthalene	8.07	128	356814	12.99	ng	99
32) Benzoic acid	7.77	122	42016	14.53	ng	90
37) 2-Methylnaphthalene	8.76	142	88885	4.98	ng	98
49) Dimethylphthalate	9.52	163	291113	17.02	ng	99
54) Dibenzofuran	10.01	168	52327	2.70	ng	# 94
74) Fluoranthene	12.49	202	113089	5.09	ng	96
77) Pyrene	12.72	202	104330	4.61	ng	96
80) Benzo(a)anthracene	13.91	228	46473	2.77	ng	97
82) Chrysene	13.94	228	57043	3.28	ng	96
85) Indeno(1,2,3-cd)pyrene	16.73	276	40123	2.78	ng	100
87) Benzo(b)fluoranthene	14.93	252	78705m	4.55	ng	
89) Benzo(a)pyrene	15.28	252	45460	2.98	ng	# 73
91) Benzo(a,h,i)perylene	17.15	276	47347	3.81	ng	97

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

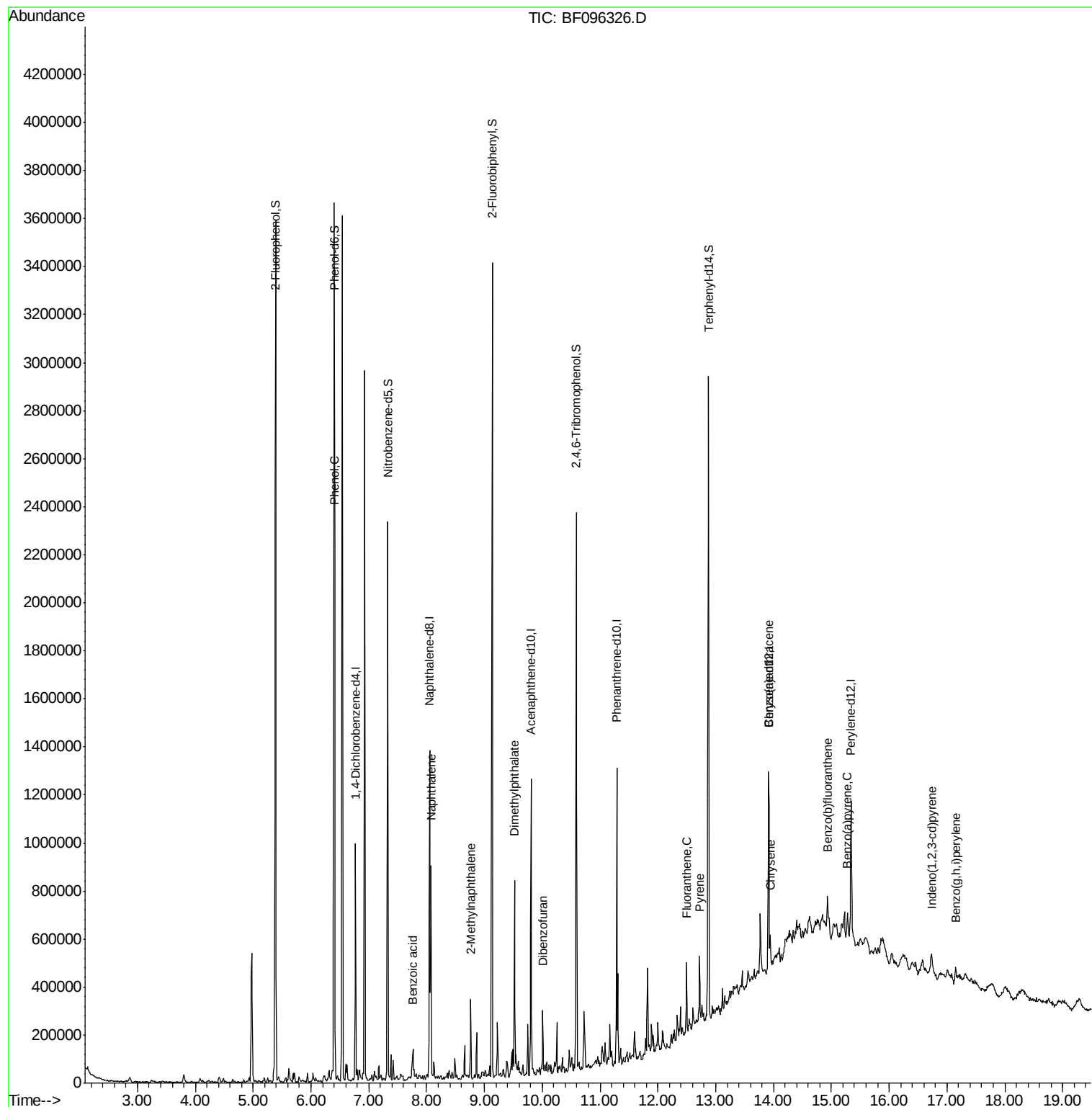
Data Path : Z:\HPCHEM1\BNA F\DATA\BF063017\
Data File : BF096326.D
Acq On : 30 Jun 2017 10:04
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Sample : I3951-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

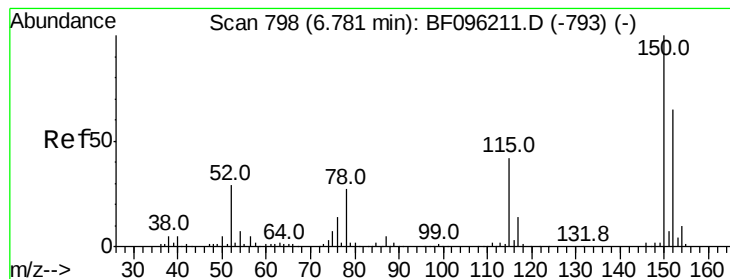
Instrument :
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#1

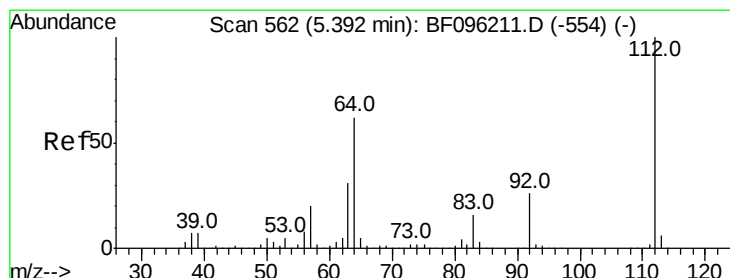
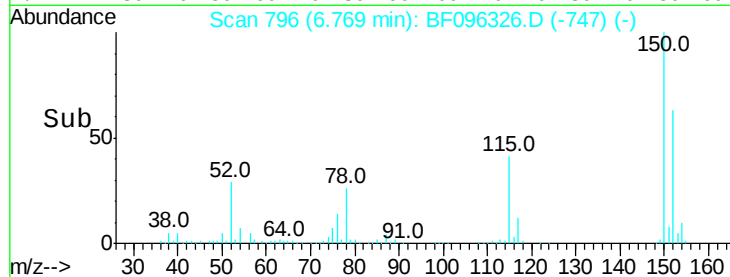
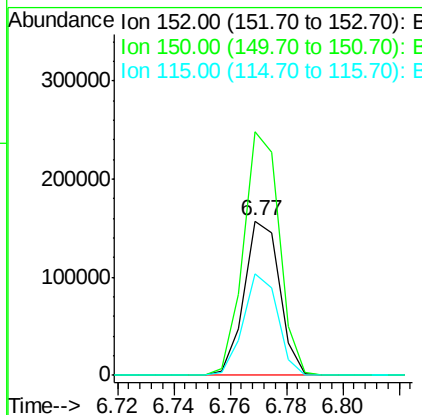
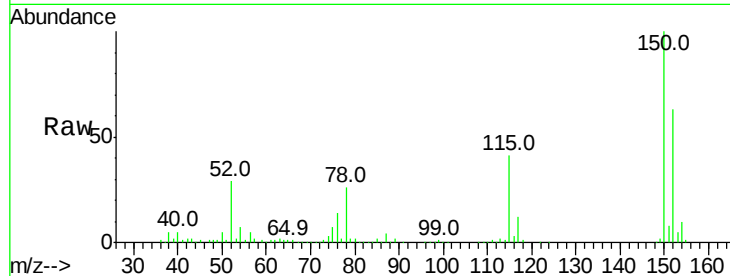
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.01 min
Lab File: BF096326.D
Acq: 30 Jun 2017 10:04

Instrument :
BNA_F
ClientSampleId :
DUCT-BANK

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.9	126.2	189.2
115	65.5	52.2	78.2

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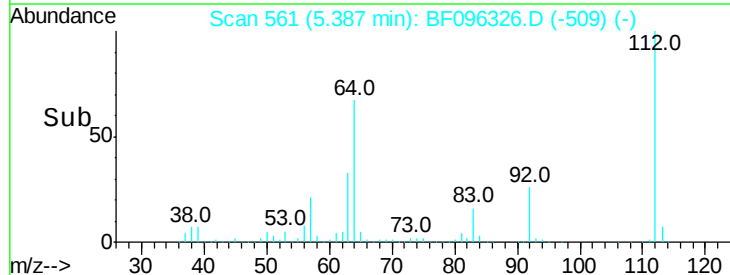
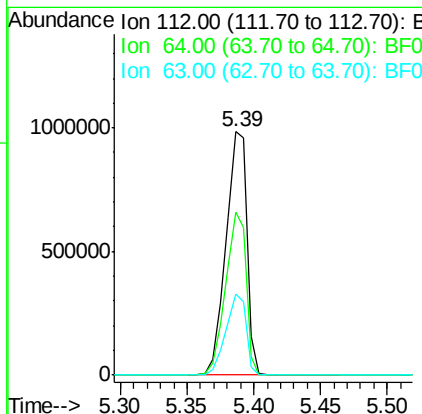
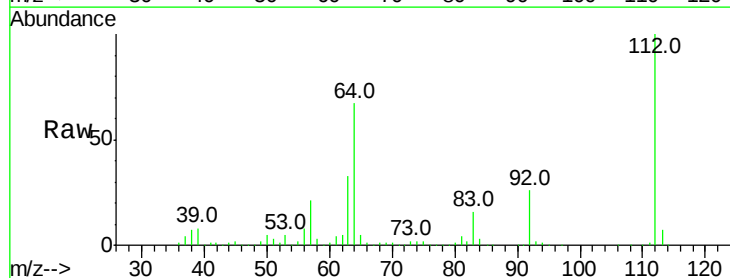
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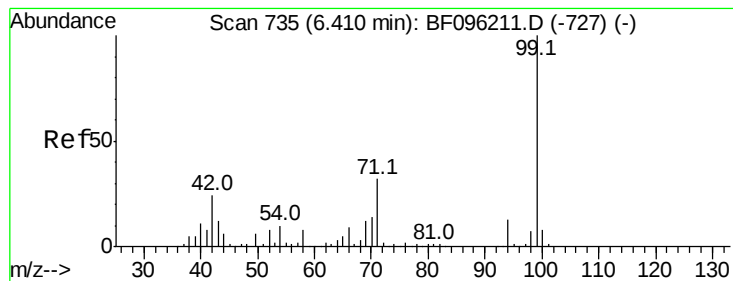


#5

2-Fluorophenol
Concen: 115.16 ng
RT: 5.39 min Scan# 561
Delta R.T. 0.01 min
Lab File: BF096326.D
Acq: 30 Jun 2017 10:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.1	46.0	69.0
63	33.3	23.4	35.0





#7

Phenol-d6

Concen: 118.22 ng

RT: 6.40 min Scan# 734

Delta R.T. 0.01 min

Lab File: BF096326.D

Acq: 30 Jun 2017 10:04

Instrument :

BNA_F

ClientSampleId :

DUCT-BANK

Tot Ion: 99 Resp: 1368379

Ion Ratio Lower Upper

99 100

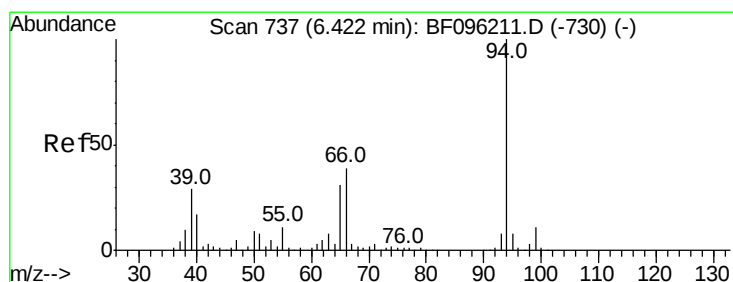
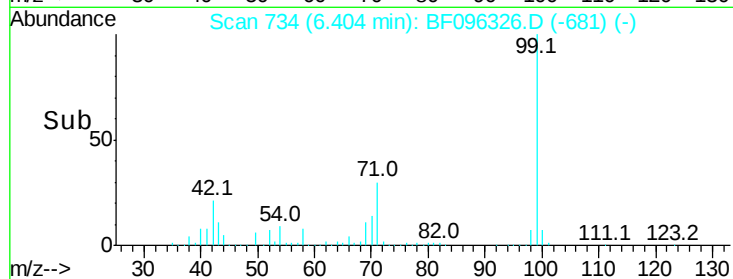
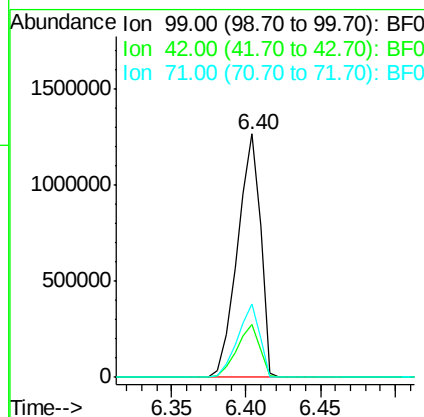
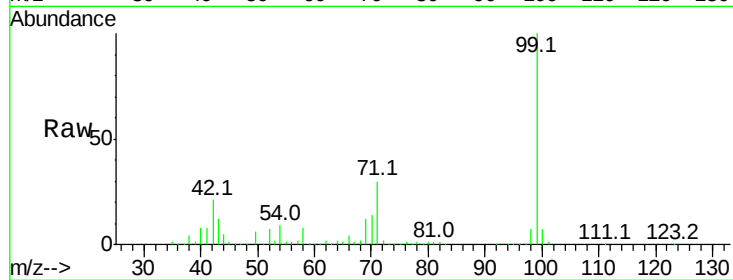
42 21.5 13.5 20.3#

71 30.1 24.5 36.7

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#10

Phenol

Concen: 2.43 ng

RT: 6.42 min Scan# 736

Delta R.T. 0.01 min

Lab File: BF096326.D

Acq: 30 Jun 2017 10:04

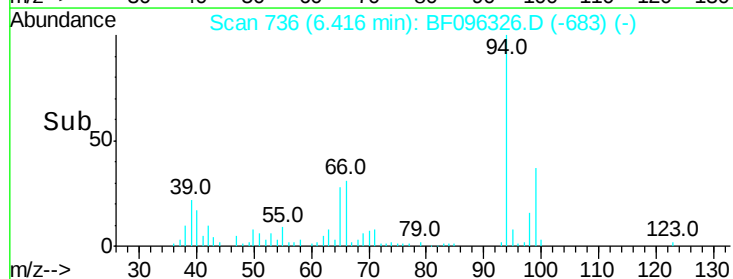
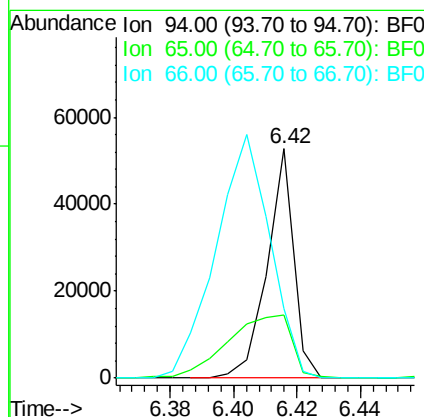
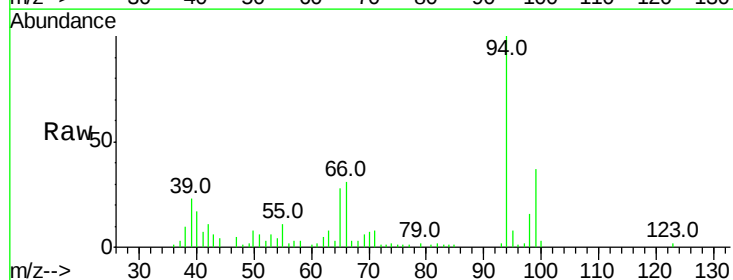
Tgt Ion: 94 Resp: 30928

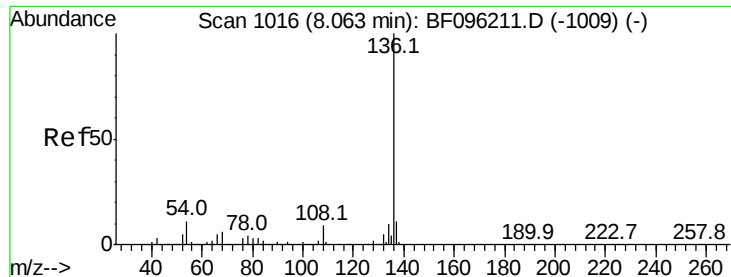
Ion Ratio Lower Upper

94 100

65 27.7 9.9 49.9

66 30.5 23.1 63.1





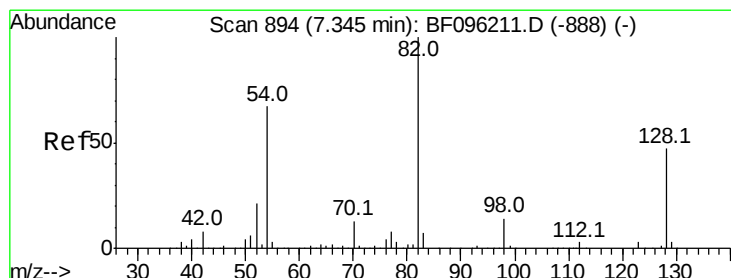
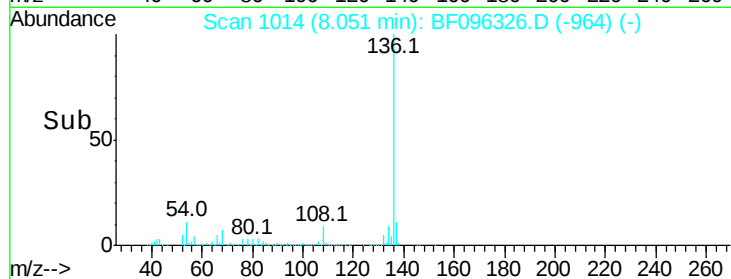
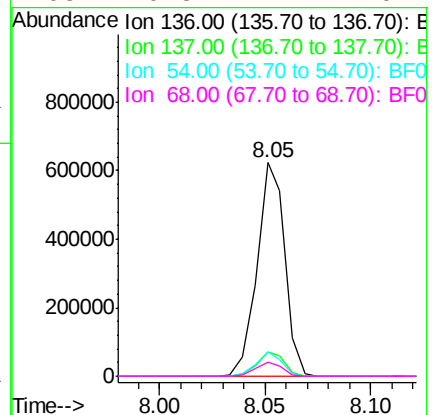
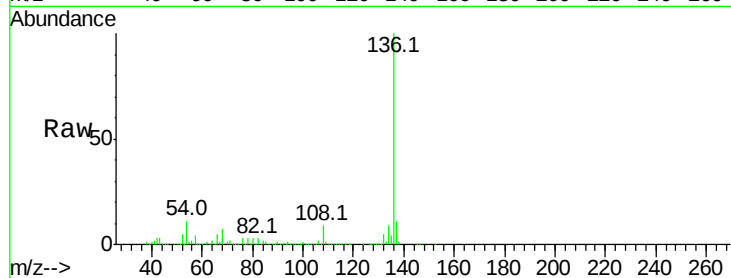
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.05 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BF096326.D
Acq: 30 Jun 2017 10:04

Instrument :
BNA_F
ClientSampleId :
DUCT-BANK

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	11.1	8.5	12.7
54	11.2	4.9	7.3#
68	6.8	4.1	6.1#

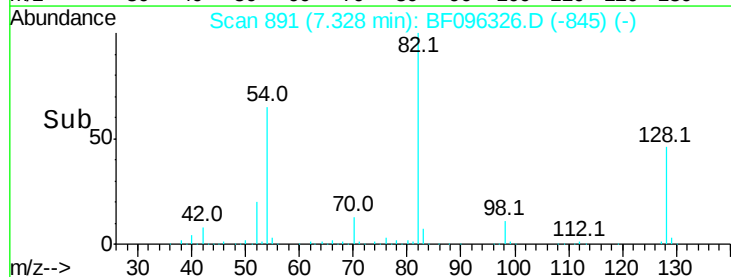
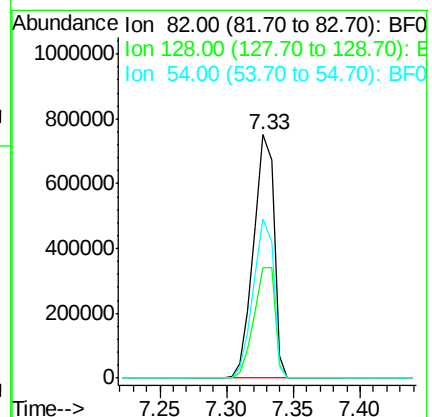
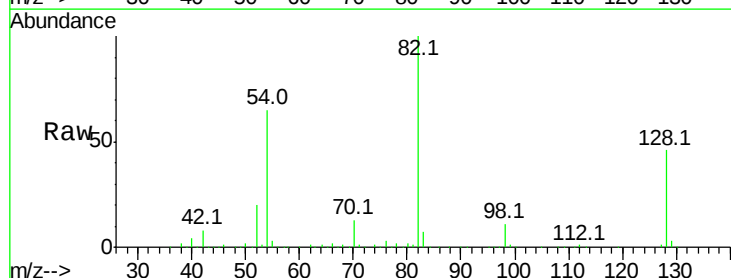
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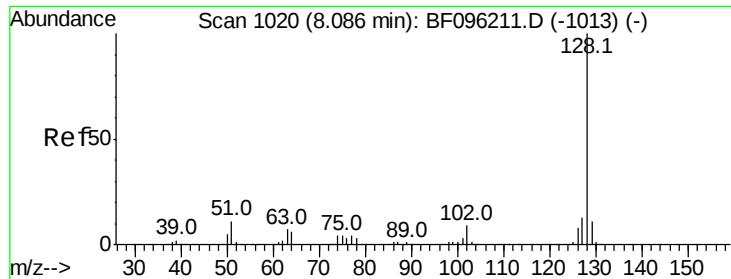
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#23
Nitrobenzene-d5
Concen: 95.49 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.03 min
Lab File: BF096326.D
Acq: 30 Jun 2017 10:04

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	45.5	34.0	51.0
54	65.3	42.2	63.2#





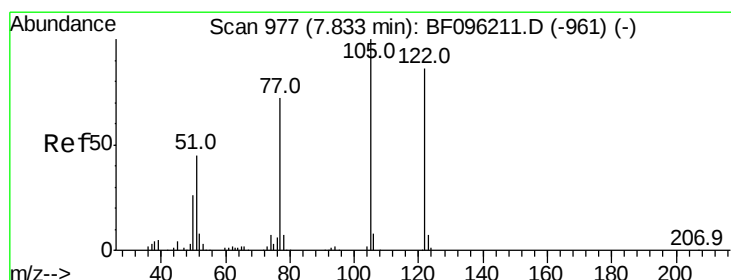
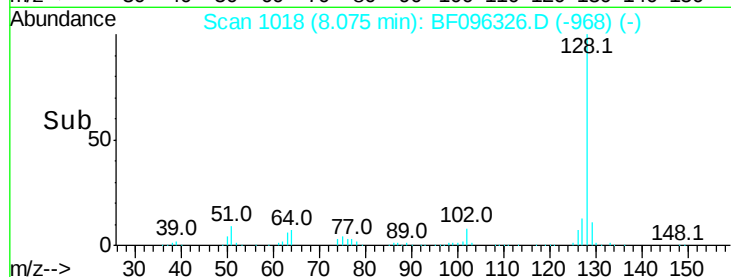
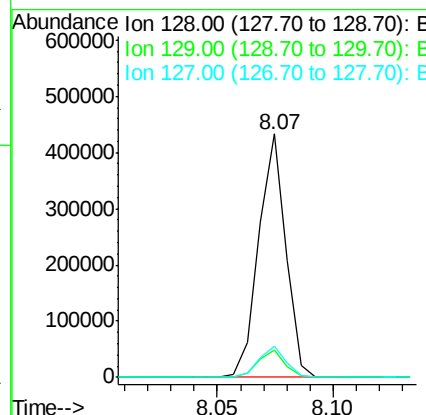
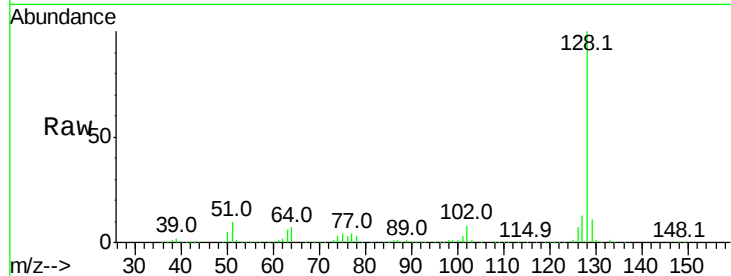
#31
Naphthalene
Concen: 12.99 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF096326.D
Acq: 30 Jun 2017 10:04

Instrument :
BNA_F
ClientSampleId :
DUCT-BANK

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.0	13.6
127	13.0	10.8	16.2

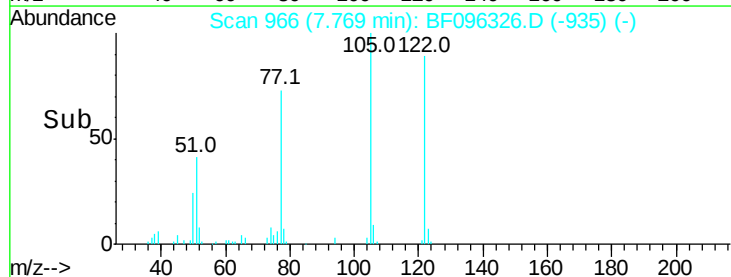
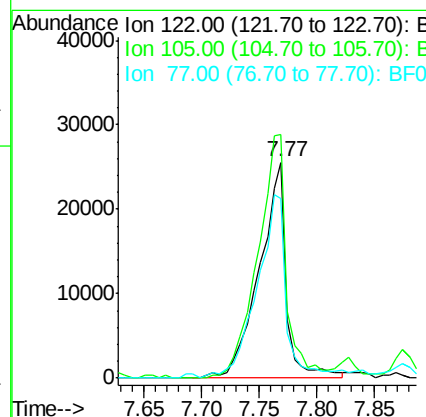
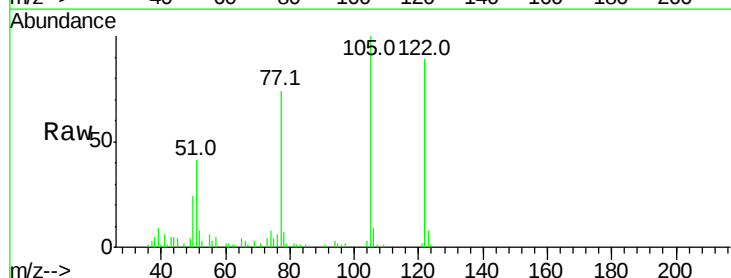
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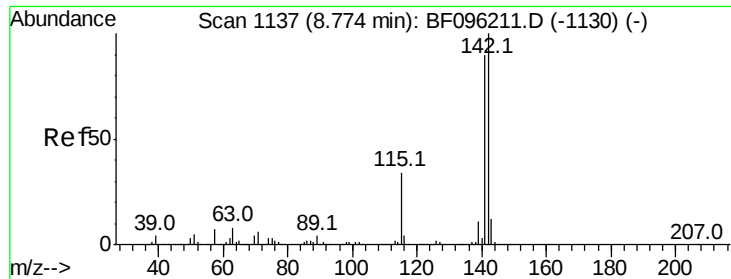
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#32
Benzoic acid
Concen: 14.53 ng
RT: 7.77 min Scan# 966
Delta R.T. -0.12 min
Lab File: BF096326.D
Acq: 30 Jun 2017 10:04

Tgt Ion	Ratio	Lower	Upper
122	100		
105	112.7	103.3	143.3
77	83.3	73.7	113.7





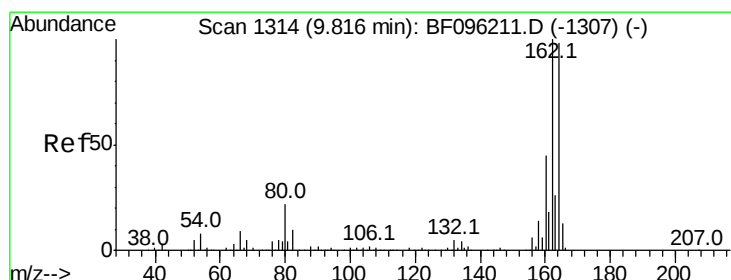
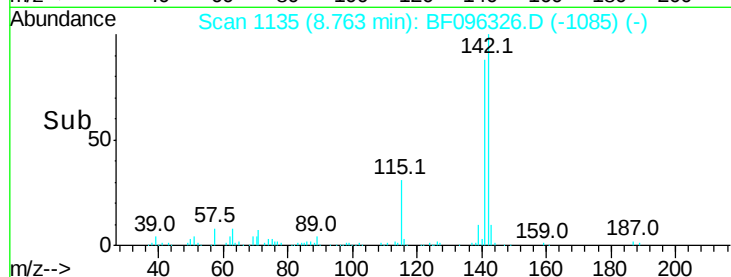
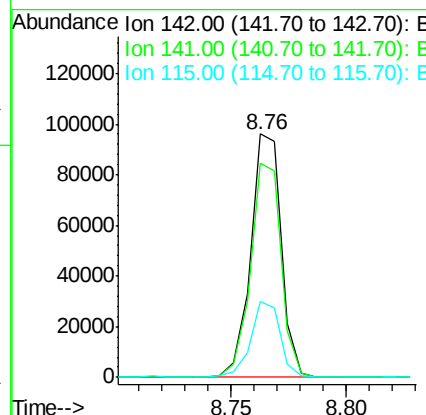
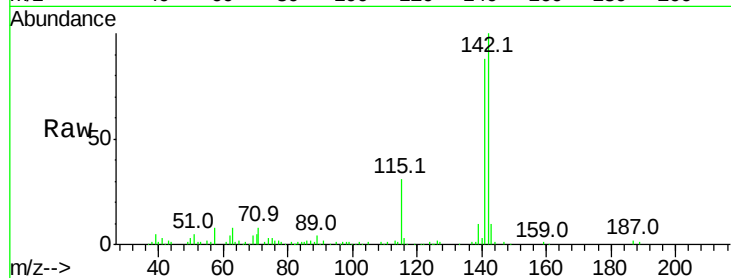
#37
2-Methylnaphthalene
Concen: 4.98 ng
RT: 8.76 min Scan# 1135
Delta R.T. -0.01 min
Lab File: BF096326.D
Acq: 30 Jun 2017 10:04

Instrument :
BNA_F
ClientSampleId :
DUCT-BANK

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.8	71.3	106.9
115	31.1	27.1	40.7

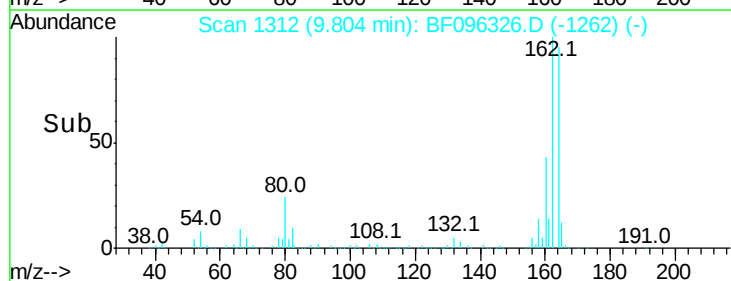
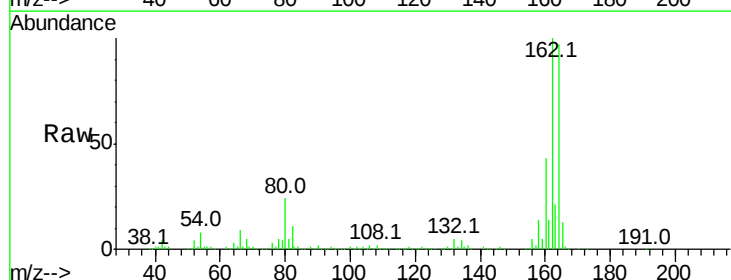
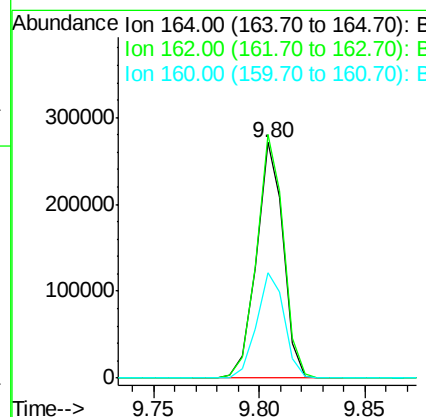
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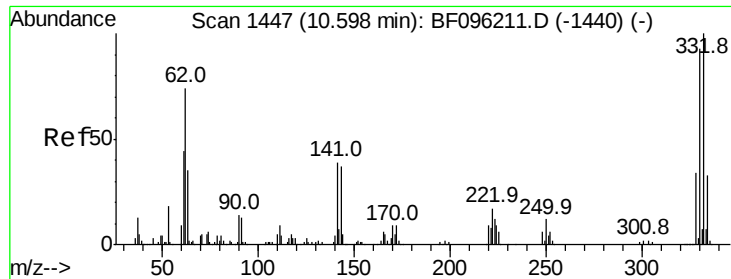
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.80 min Scan# 1312
Delta R.T. -0.01 min
Lab File: BF096326.D
Acq: 30 Jun 2017 10:04

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.3	82.6	123.8
160	44.5	36.2	54.2





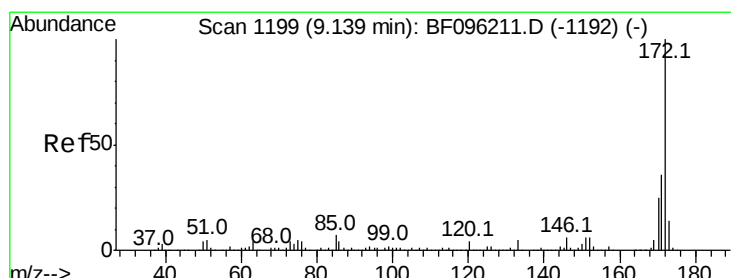
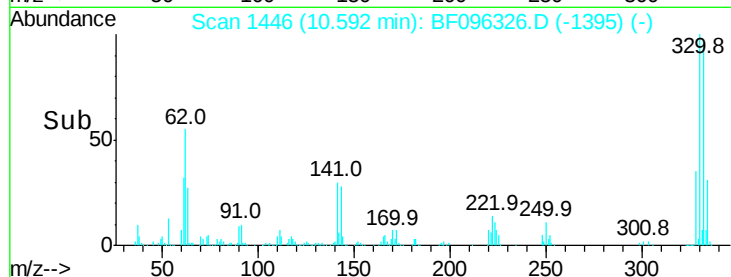
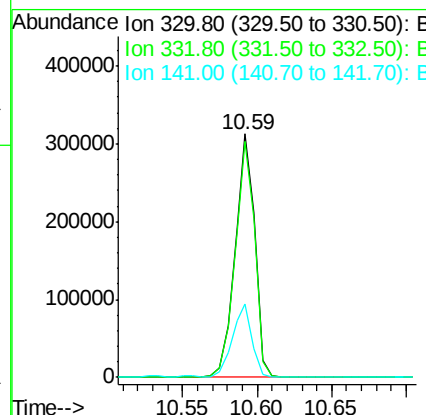
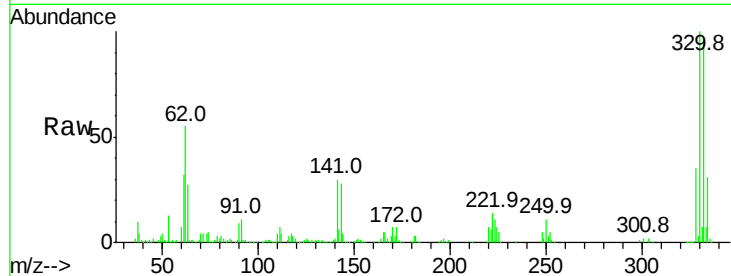
#41
 2,4,6-Tribromophenol
 Concen: 154.78 ng
 RT: 10.59 min Scan# 1446
 Delta R.T. -0.00 min
 Lab File: BF096326.D
 Acq: 30 Jun 2017 10:04

Instrument :
 BNA_F
 ClientSampleId :
 DUCT-BANK

Tot Ion	Ratio	Resp	Lower	Upper
330	100	291191		
332	96.9	76.6	115.0	
141	29.7	31.4	47.2#	

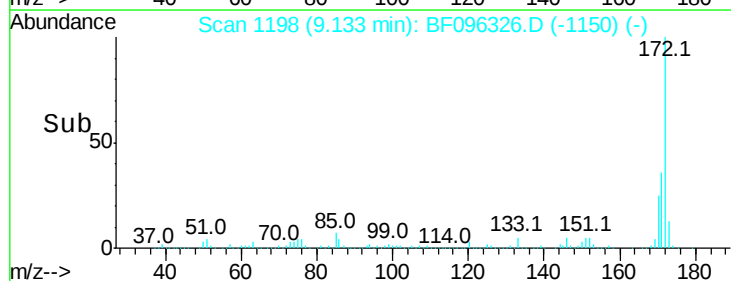
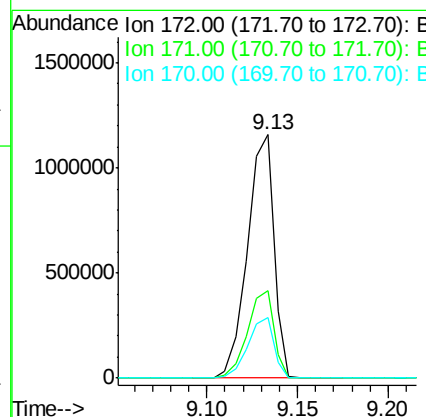
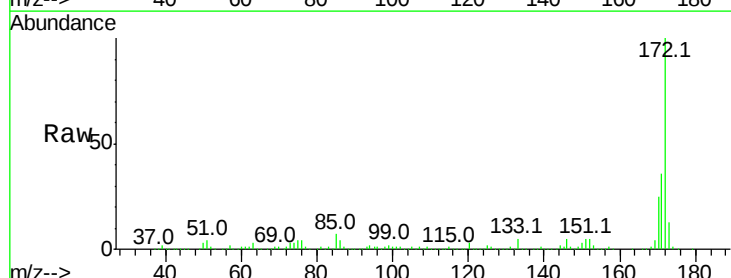
Manual Integrations
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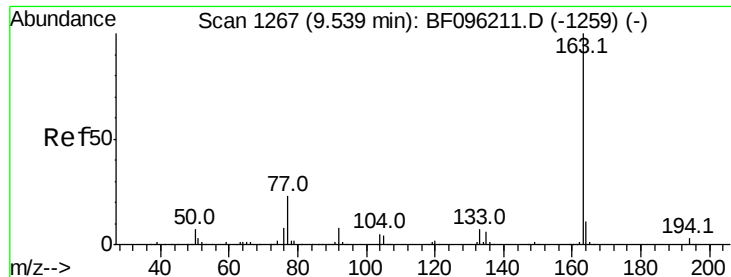
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#44
 2-Fluorobiphenyl
 Concen: 90.22 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. -0.02 min
 Lab File: BF096326.D
 Acq: 30 Jun 2017 10:04

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1177722		
171	35.8	29.6	44.4	
170	24.9	19.8	29.8	





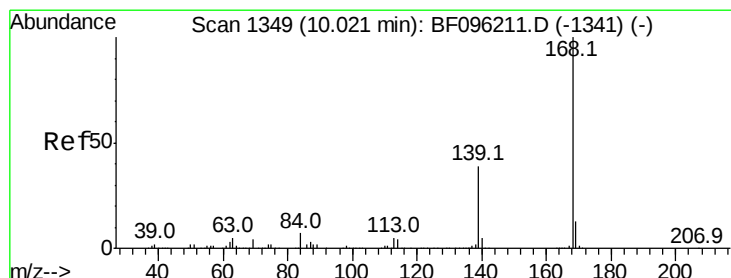
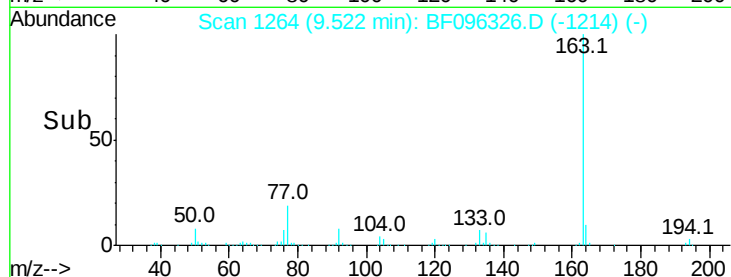
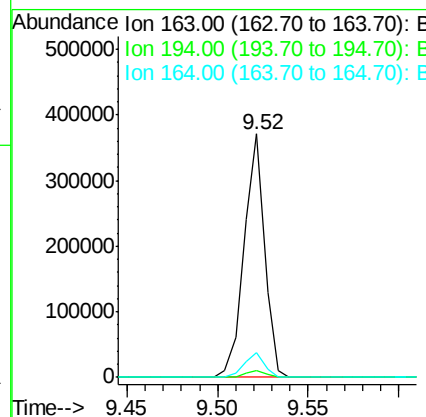
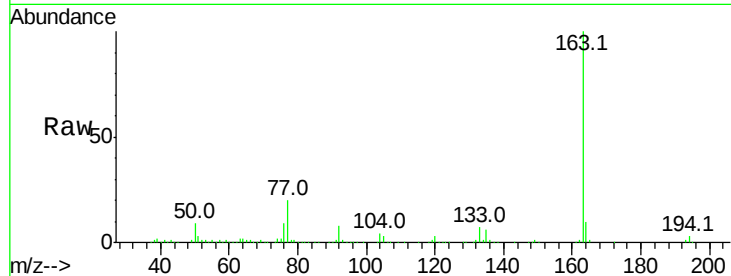
#49
Dimethylphthalate
Concen: 17.02 ng
RT: 9.52 min Scan# 1264
Delta R.T. -0.01 min
Lab File: BF096326.D
Acq: 30 Jun 2017 10:04

Instrument :
BNA_F
ClientSampleId :
DUCT-BANK

Tot Ion	Ratio	Resp	Lower	Upper
163	100	291113		
194	2.9		2.6	4.0
164	10.3		8.4	12.6

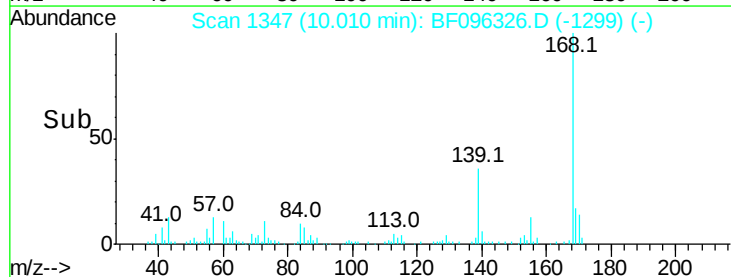
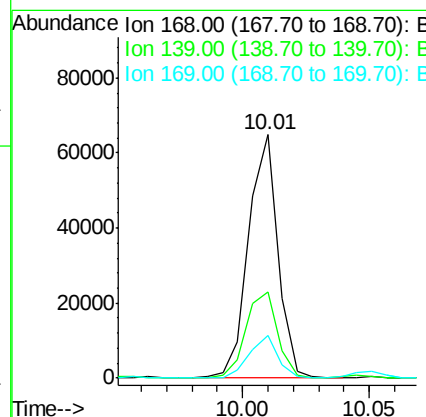
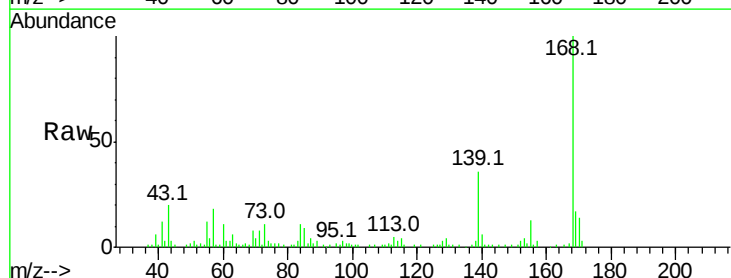
Manual Integrations
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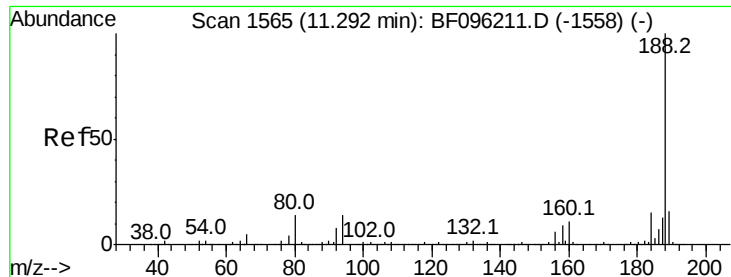
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#54
Dibenzofuran
Concen: 2.70 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.02 min
Lab File: BF096326.D
Acq: 30 Jun 2017 10:04

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	52327		
139	35.6		30.6	45.8
169	17.4		10.8	16.2#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.29 min Scan# 1564

Delta R.T. -0.00 min

Lab File: BF096326.D

Acq: 30 Jun 2017 10:04

Instrument :

BNA_F

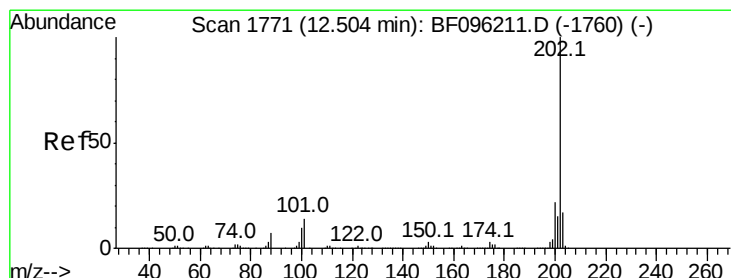
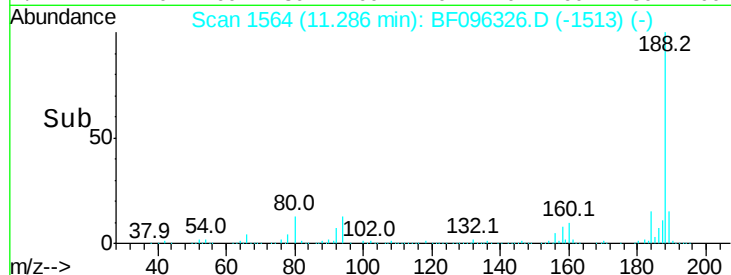
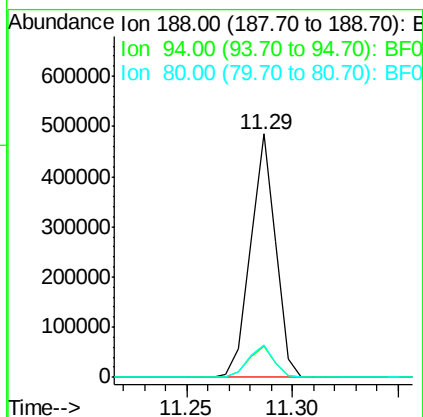
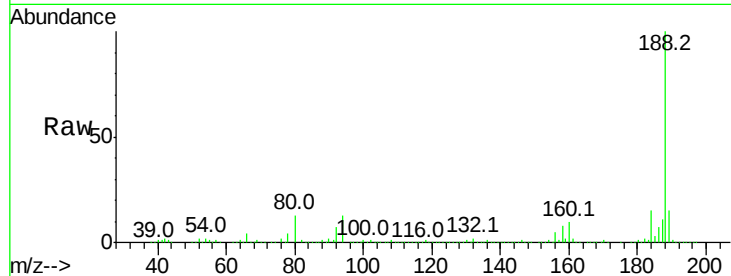
ClientSampleId :

DUCT-BANK

Tot Ion:	188	Resp:	399714
Ion Ratio	Lower	Upper	
188	100		
94	12.6	9.4	14.2
80	13.4	10.2	15.2

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#74

Fluoranthene

Concen: 5.09 ng

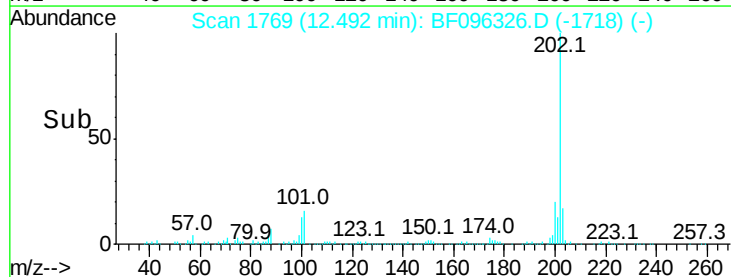
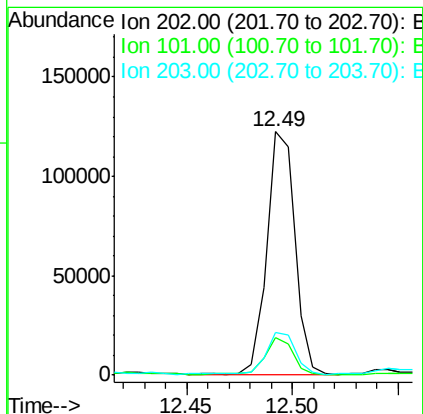
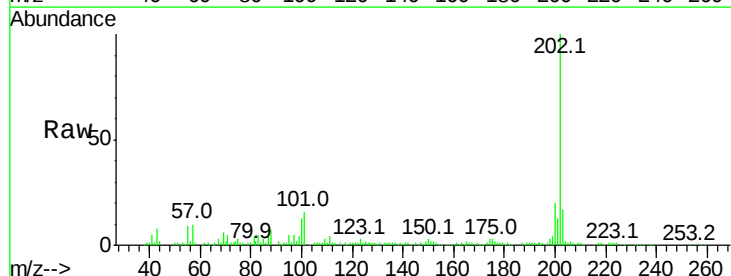
RT: 12.49 min Scan# 1769

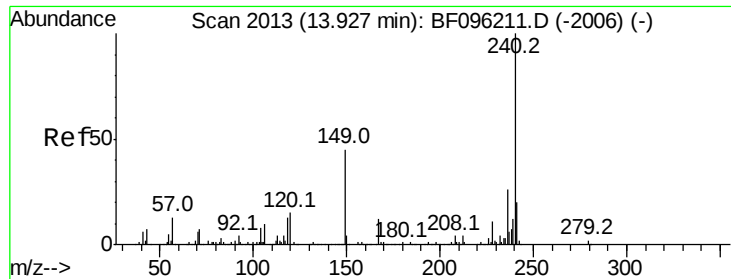
Delta R.T. -0.00 min

Lab File: BF096326.D

Acq: 30 Jun 2017 10:04

Tgt Ion:	202	Resp:	113089
Ion Ratio	Lower	Upper	
202	100		
101	15.6	0.0	33.2
203	17.3	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.92 min Scan# 2011

Delta R.T. -0.00 min

Lab File: BF096326.D

Acq: 30 Jun 2017 10:04

Instrument :

BNA_F

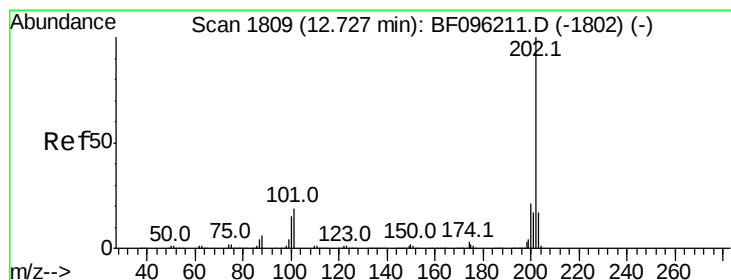
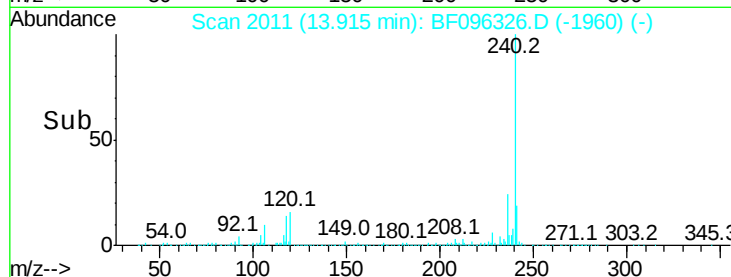
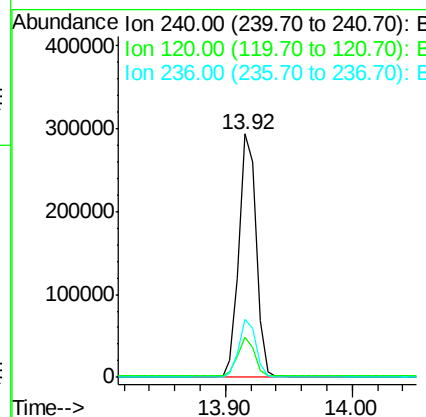
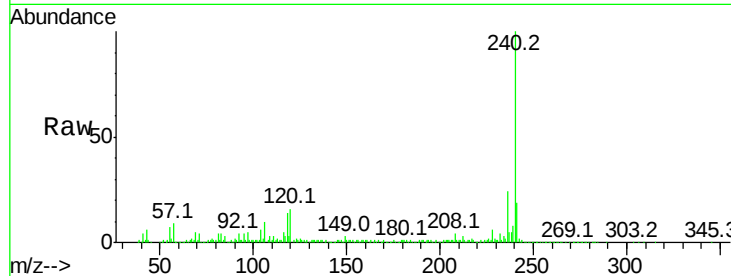
ClientSampleId :

DUCT-BANK

Tot Ion	Ratio	Lower	Upper
240	100		
120	16.5	5.8	8.8#
236	23.7	20.5	30.7

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#77

Pyrene

Concen: 4.61 ng

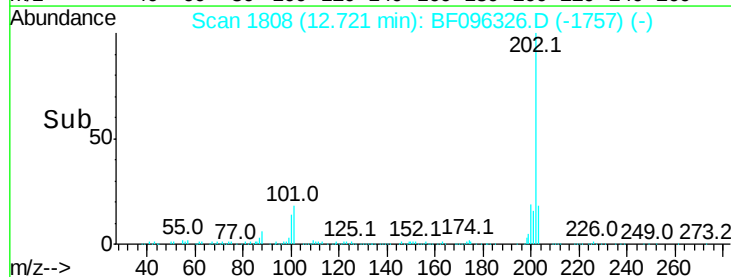
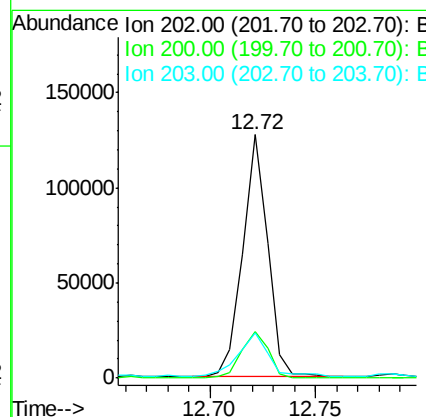
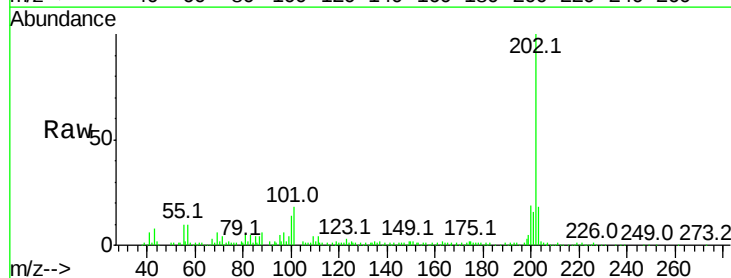
RT: 12.72 min Scan# 1808

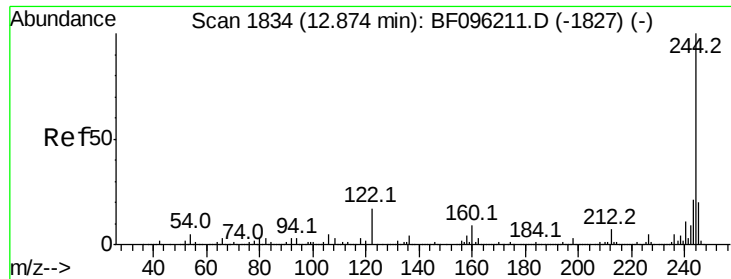
Delta R.T. -0.00 min

Lab File: BF096326.D

Acq: 30 Jun 2017 10:04

Tgt Ion	Ratio	Lower	Upper
202	100		
200	18.9	17.6	26.4
203	18.3	14.4	21.6





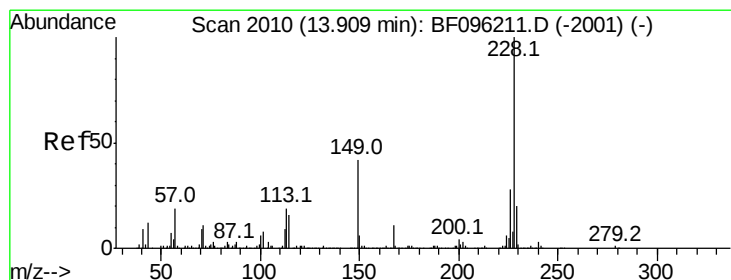
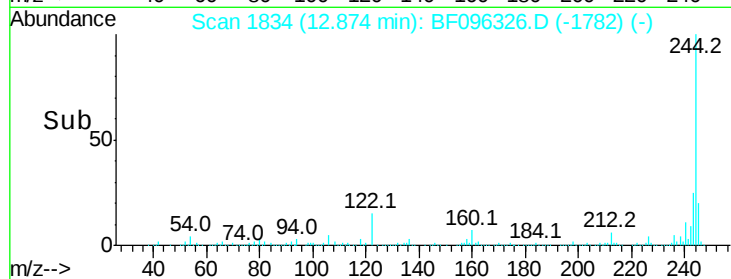
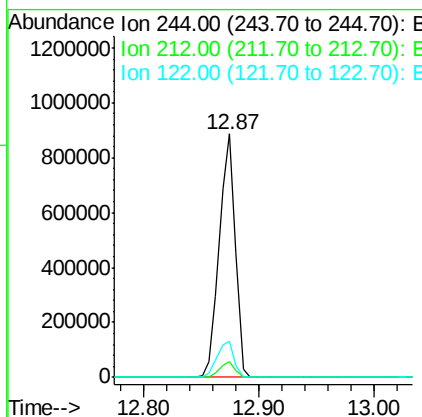
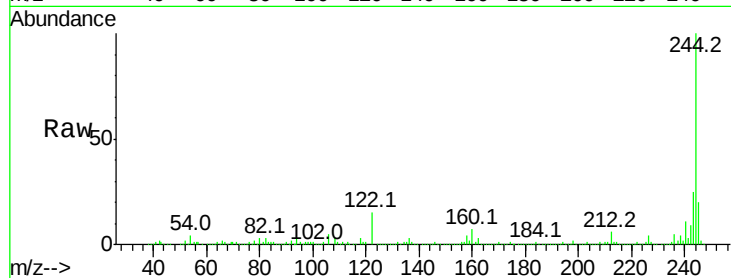
#78
 Terphenyl-d14
 Concen: 77.84 ng
 RT: 12.87 min Scan# 1834
 Delta R.T. 0.01 min
 Lab File: BF096326.D
 Acq: 30 Jun 2017 10:04

Instrument :
 BNA_F
 ClientSampleId :
 DUCT-BANK

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.5	6.0	9.0
122	14.9	10.3	15.5

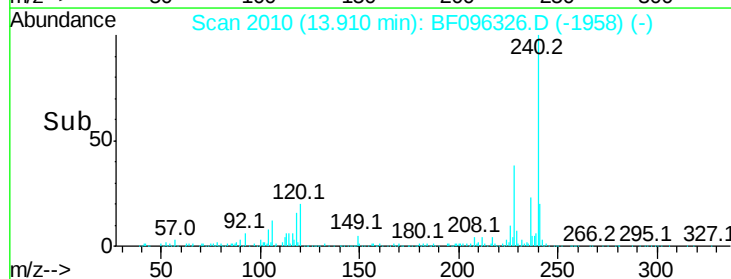
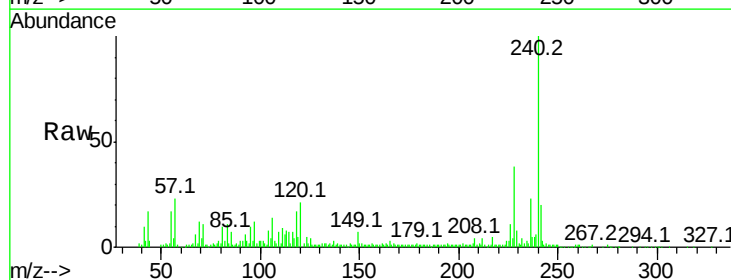
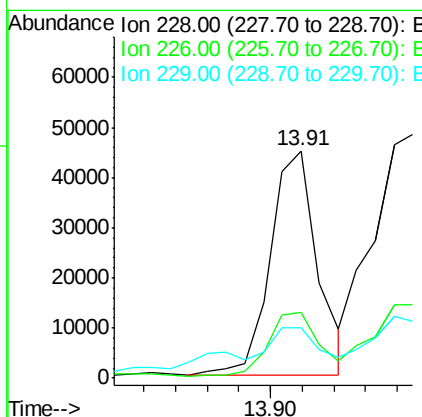
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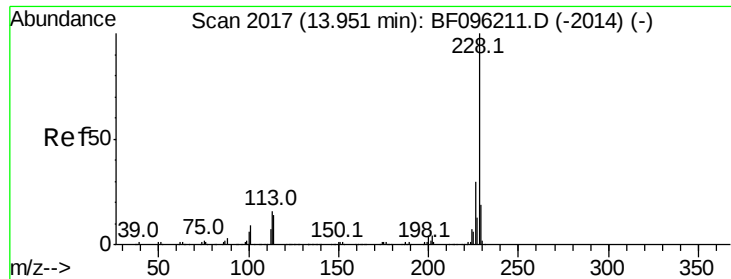
mohammad
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#80
 Benzo(a)anthracene
 Concen: 2.77 ng
 RT: 13.91 min Scan# 2010
 Delta R.T. 0.01 min
 Lab File: BF096326.D
 Acq: 30 Jun 2017 10:04

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.6	33.8
229	22.4	16.3	24.5





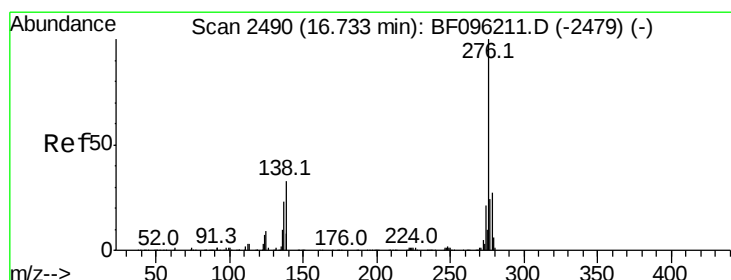
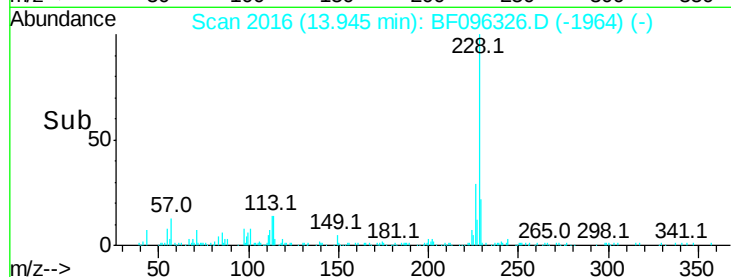
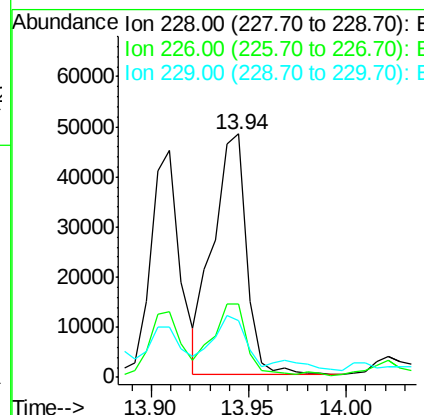
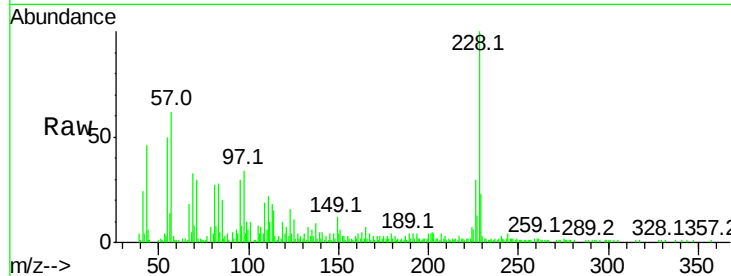
#82
Chrysene
Concen: 3.28 ng
RT: 13.94 min Scan# 2016
Delta R.T. 0.01 min
Lab File: BF096326.D
Acq: 30 Jun 2017 10:04

Instrument :
BNA_F
ClientSampleId :
DUCT-BANK

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.9	37.3
229	23.2	15.8	23.6

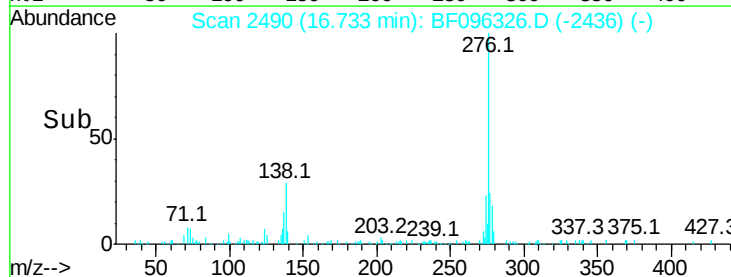
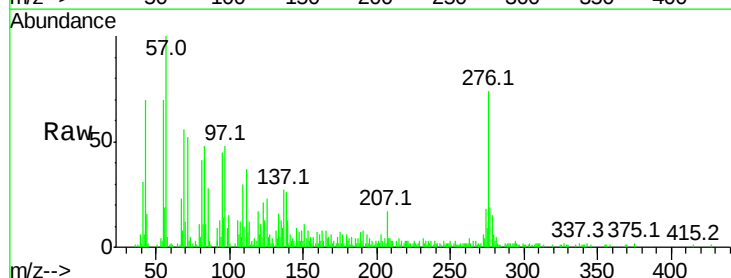
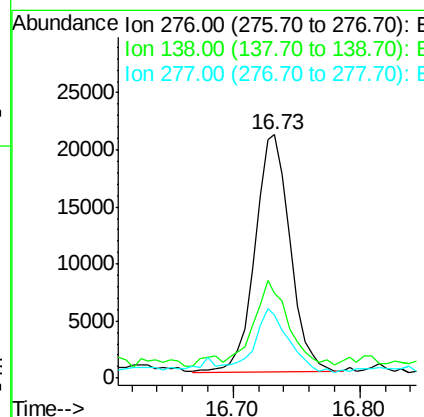
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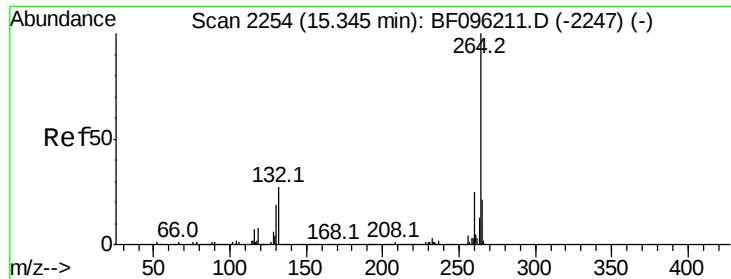
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#85
Indeno(1,2,3-cd)pyrene
Concen: 2.78 ng
RT: 16.73 min Scan# 2490
Delta R.T. 0.02 min
Lab File: BF096326.D
Acq: 30 Jun 2017 10:04

Tgt Ion	Ratio	Lower	Upper
276	100		
138	34.6	27.8	41.6
277	25.3	20.2	30.4





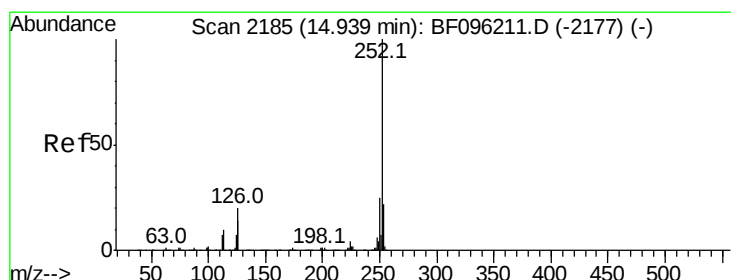
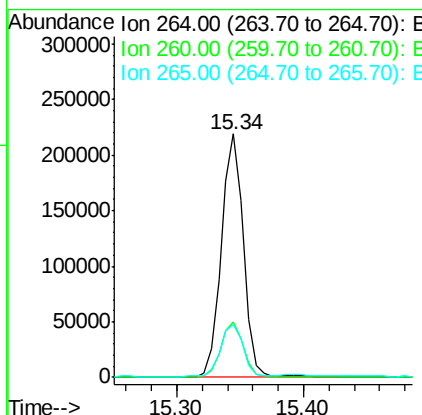
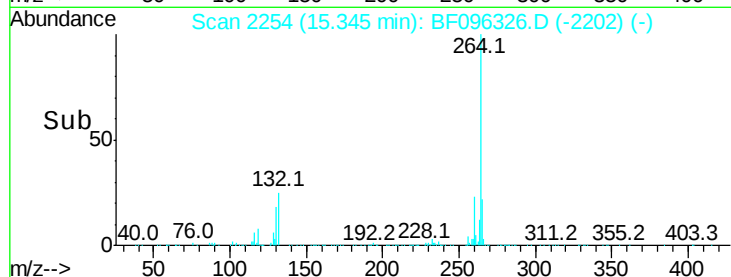
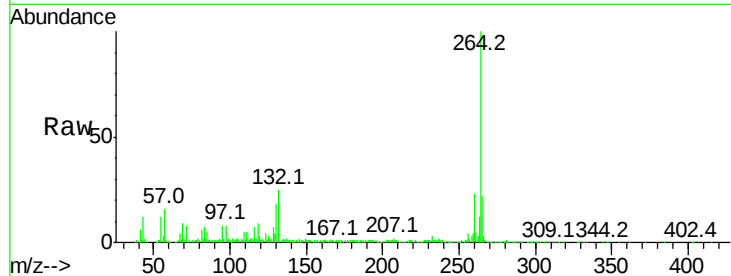
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.34 min Scan# 2254
Delta R.T. 0.01 min
Lab File: BF096326.D
Acq: 30 Jun 2017 10:04

Instrument :
BNA_F
ClientSampleId :
DUCT-BANK

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.5	29.3
265	21.8	17.2	25.8

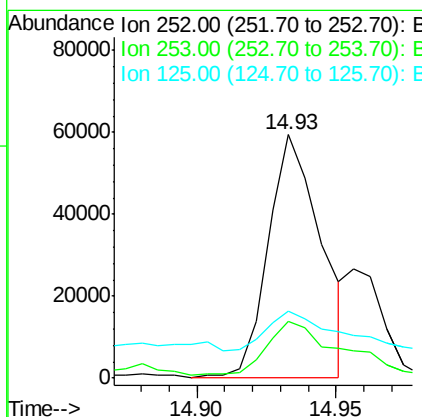
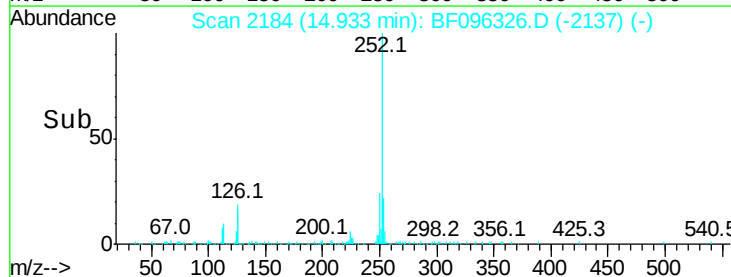
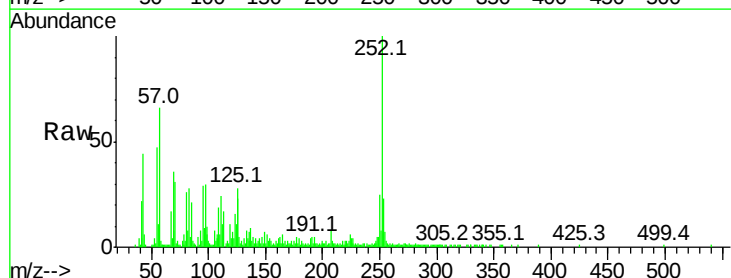
Manual Integrations
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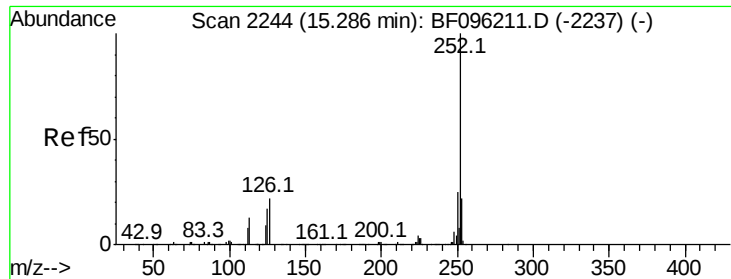
mohammad
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#87
Benzo(b)fluoranthene
Concen: 4.55 ng m
RT: 14.93 min Scan# 2184
Delta R.T. -0.02 min
Lab File: BF096326.D
Acq: 30 Jun 2017 10:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.1	27.1
125	27.7	9.8	14.8#





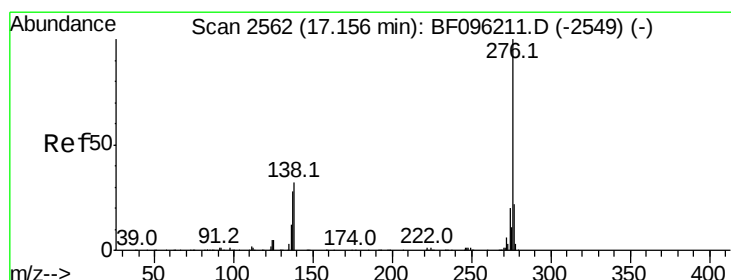
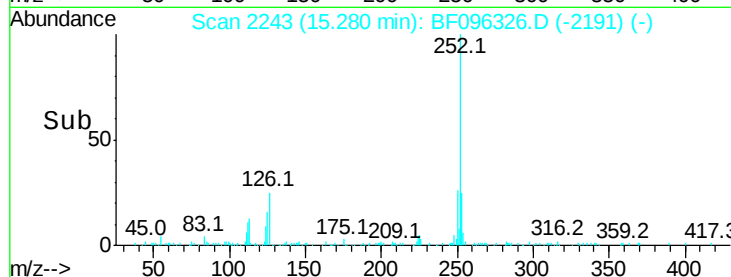
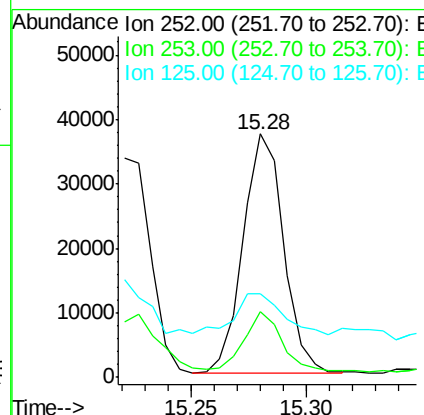
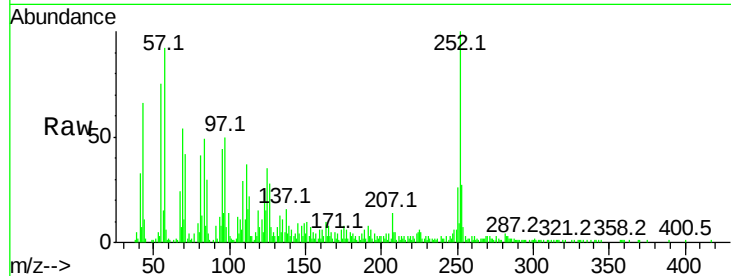
#89
Benzo(a)pyrene
Concen: 2.98 ng
RT: 15.28 min Scan# 2243
Delta R.T. 0.01 min
Lab File: BF096326.D
Acq: 30 Jun 2017 10:04

Instrument :
BNA_F
ClientSampleId :
DUCT-BANK

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.2	17.5	26.3#
125	34.6	11.0	16.4#

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 3.81 ng
RT: 17.15 min Scan# 2561
Delta R.T. 0.02 min
Lab File: BF096326.D
Acq: 30 Jun 2017 10:04

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.3	18.6	28.0
138	32.6	25.4	38.0

