

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081617\
 Data File : BF097783.D
 Acq On : 17 Aug 2017 12:24
 Operator : SJ/JU
 Sample : I4797-06 10X
 Misc :
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-K9-BASE

Manual Integrations
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Quant Time: Aug 17 15:21:19 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 15 13:25:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	151535	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	562973	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	226095	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	340217	20.00	ng	0.00
75) Chrysene-d12	13.93	240	315962	20.00	ng	0.00
86) Perylene-d12	15.36	264	257346	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	102143	10.25	ng	-0.01
7) Phenol-d6	6.40	99	134492	9.94	ng	-0.01
23) Nitrobenzene-d5	7.33	82	77964	7.52	ng	-0.02
41) 2,4,6-Tribromophenol	10.60	330	14038	7.16	ng	-0.01
44) 2-Fluorobiphenyl	9.14	172	126496	8.22	ng	0.00
78) Terphenyl-d14	12.88	244	73331	4.84	ng	-0.01
Target Compounds						
70) Phenanthrene	11.32	178	85449	4.713	ng	98
74) Fluoranthene	12.50	202	125742	6.645	ng	98
77) Pyrene	12.73	202	127623	4.939	ng	98
80) Benzo(a)anthracene	13.92	228	68895	3.638	ng	98
82) Chrysene	13.96	228	63025	3.346	ng	96
85) Indeno(1,2,3-cd)pyrene	16.75	276	36609	2.642	ng	96
87) Benzo(b)fluoranthene	14.95	252	90559m	5.583	ng	
89) Benzo(a)pyrene	15.30	252	61956	4.314	ng	99
91) Benzo(g,h,i)perylene	17.17	276	36038	2.954	ng	90

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

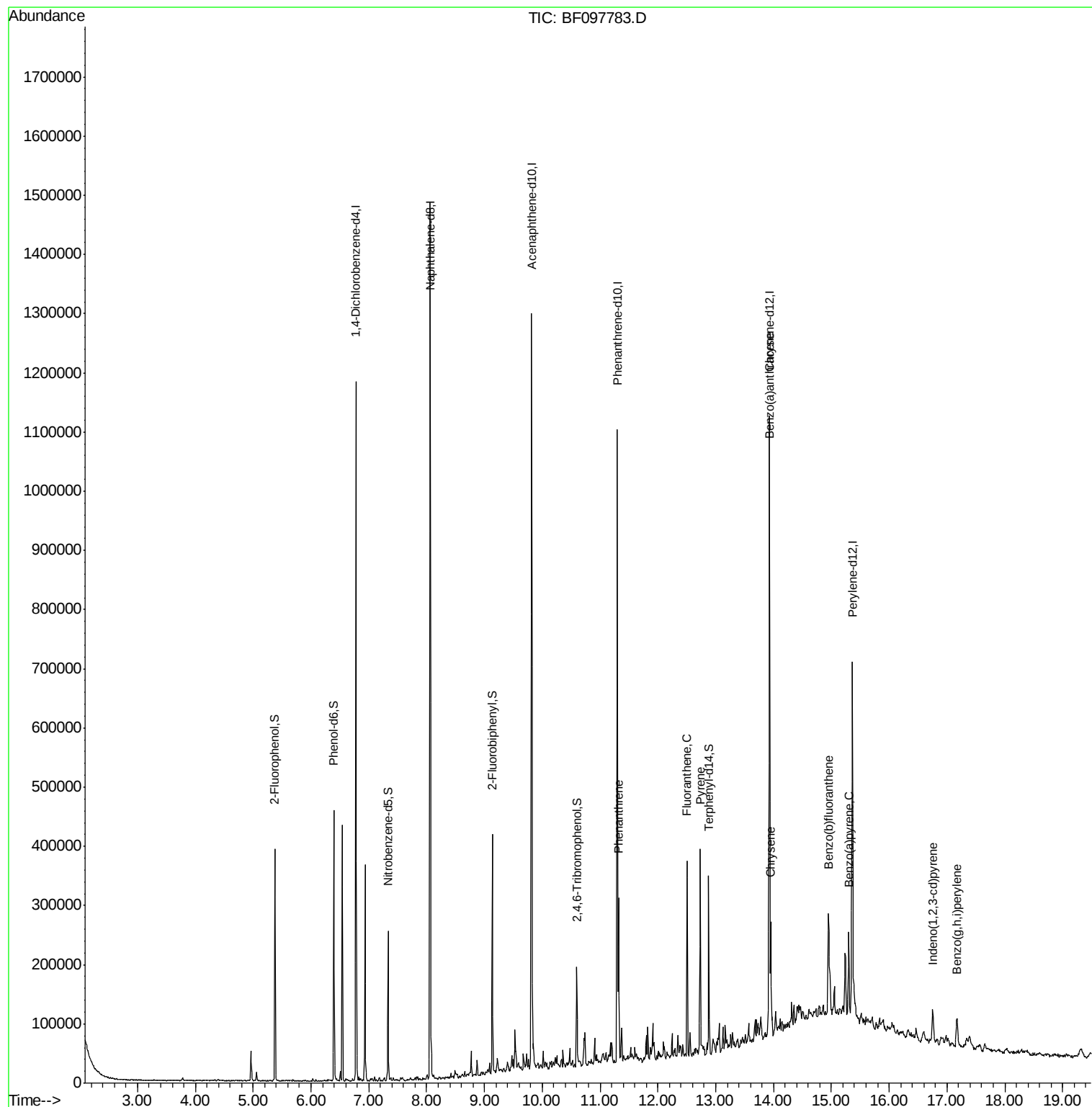
Data Path : Z:\HPCHEM1\BNA F\DATA\BF081617\
Data File : BF097783.D
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Sample : I4797-06 10X
Misc :
ALS Vial : 49 Sample Multiplier: 1

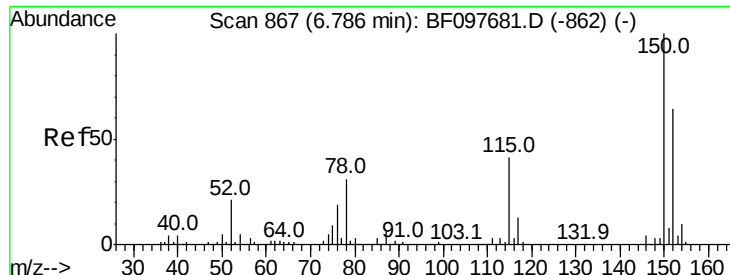
Instrument :
BNA_F
ClientSampleId :
E2-K9-BASE

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Quant Time: Aug 17 15:21:19 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
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#1

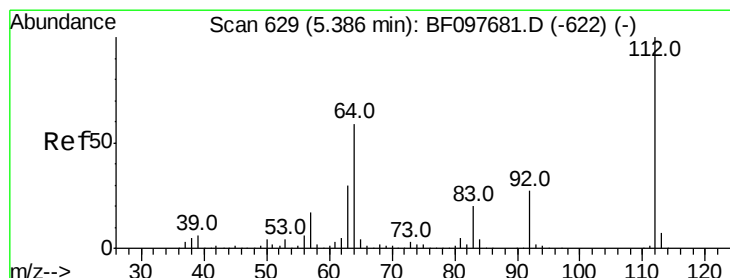
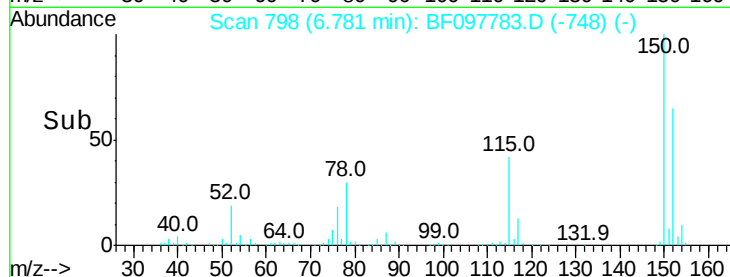
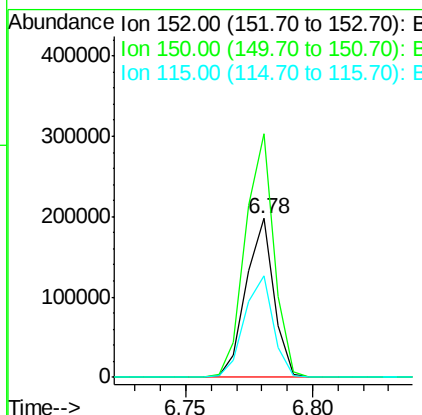
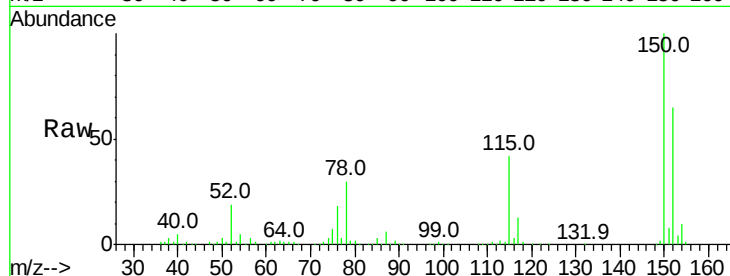
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF097783.D
Acq: 17 Aug 2017 12:24

Instrument :
BNA_F
ClientSampleId :
E2-K9-BASE

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.0	126.2	189.2
115	64.1	52.2	78.2

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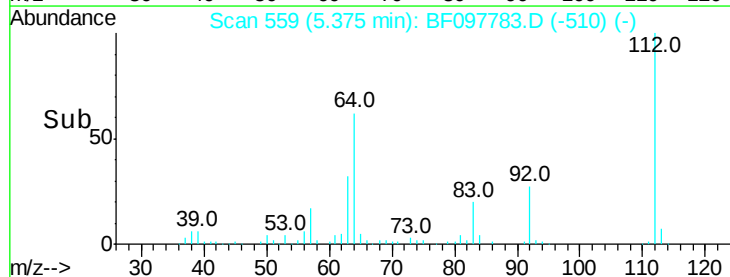
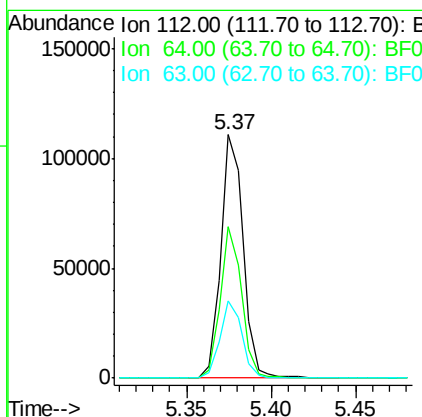
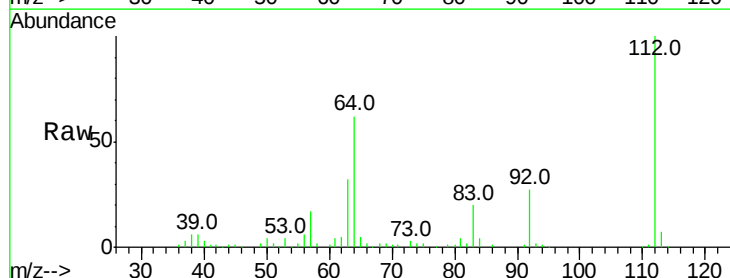
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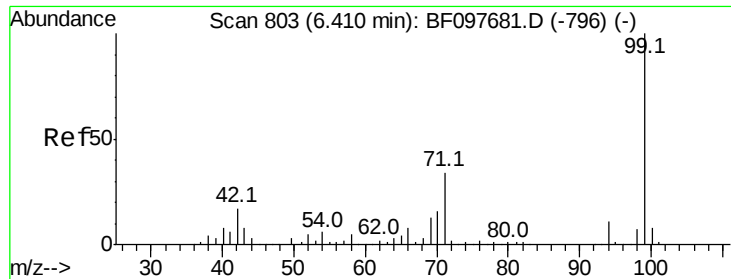


#5

2-Fluorophenol
Concen: 10.253 ng
RT: 5.37 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF097783.D
Acq: 17 Aug 2017 12:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.0	46.0	69.0
63	31.7	23.4	35.0





#7

Phenol-d6

Concen: 9.936 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF097783.D

Acq: 17 Aug 2017 12:24

Instrument :

BNA_F

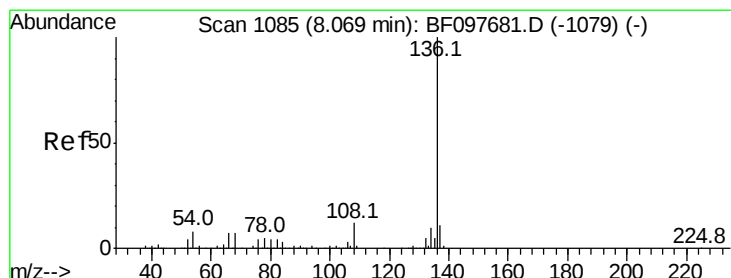
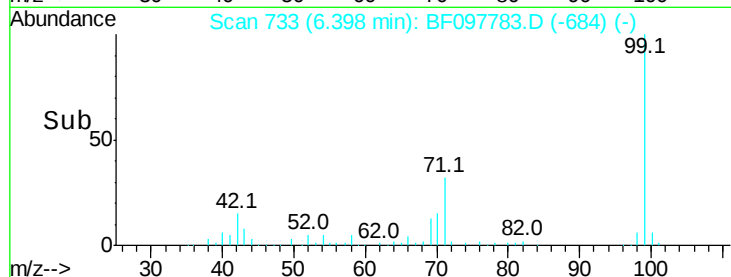
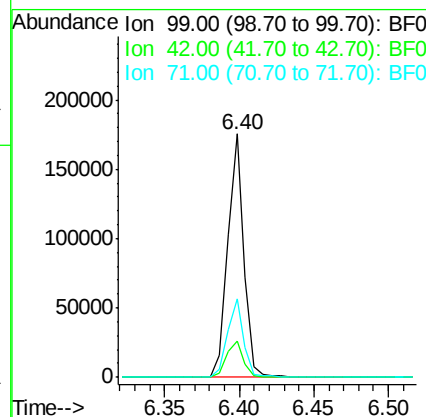
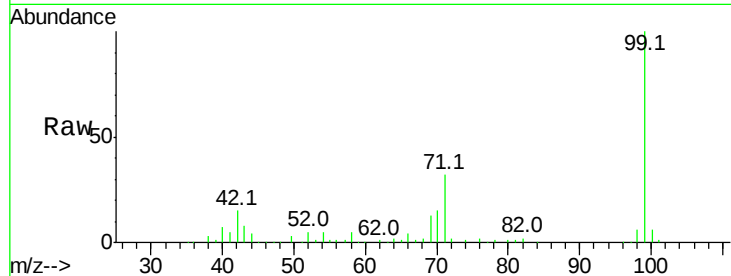
ClientSampleId :

E2-K9-BASE

Tot Ion:	99	Resp:	134492
Ion Ratio	Lower	Upper	
99	100		
42	14.8	13.5	20.3
71	32.1	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

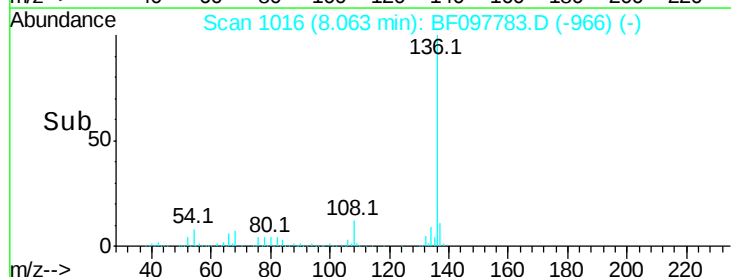
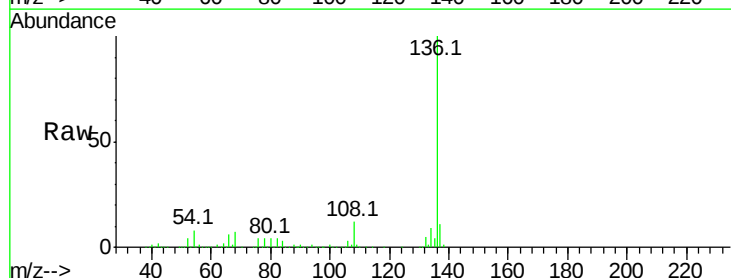
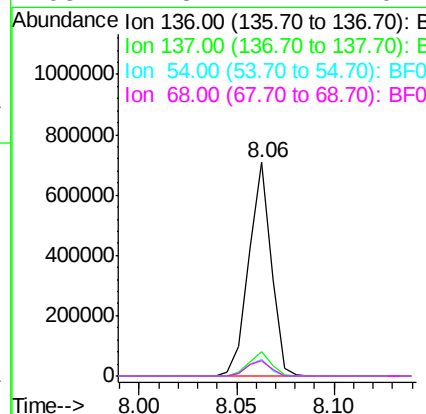
RT: 8.06 min Scan# 1016

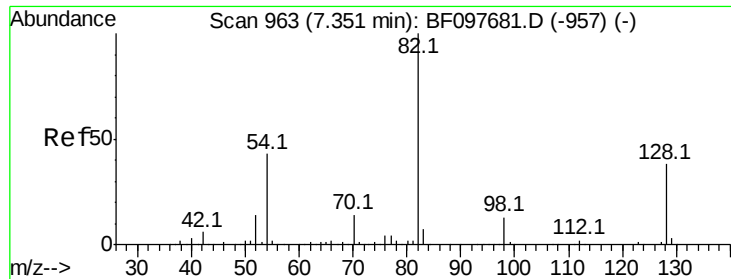
Delta R.T. -0.01 min

Lab File: BF097783.D

Acq: 17 Aug 2017 12:24

Tgt Ion:	136	Resp:	562973
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.5	12.7
54	7.8	4.9	7.3#
68	7.3	4.1	6.1#





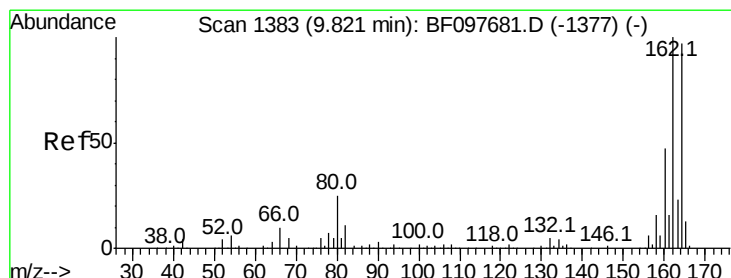
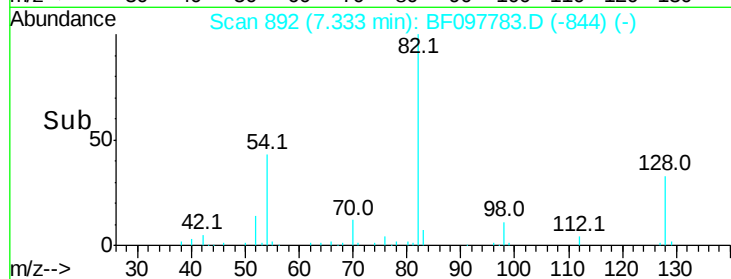
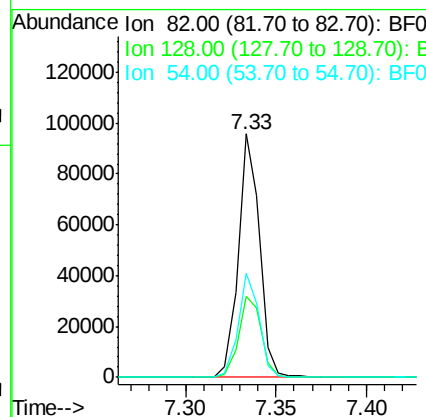
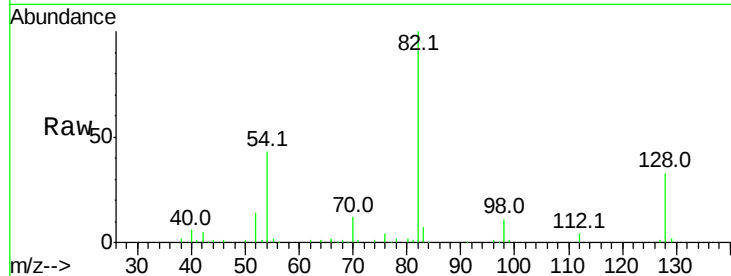
#23
 Nitrobenzene-d5
 Concen: 7.523 ng
 RT: 7.33 min Scan# 892
 Delta R.T. -0.02 min
 Lab File: BF097783.D
 Acq: 17 Aug 2017 12:24

Instrument :
 BNA_F
 ClientSampleId :
 E2-K9-BASE

Tot Ion	Ratio	Lower	Upper
82	100		
128	33.1	34.0	51.0#
54	42.7	42.2	63.2

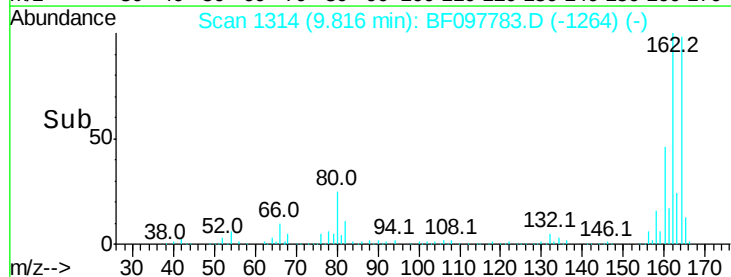
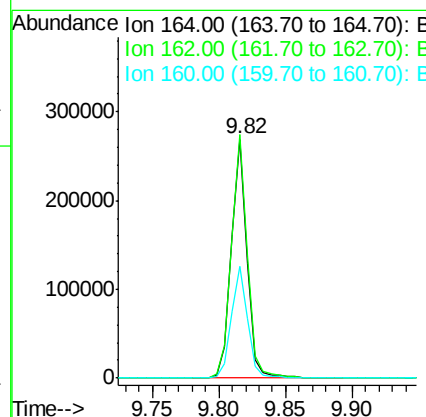
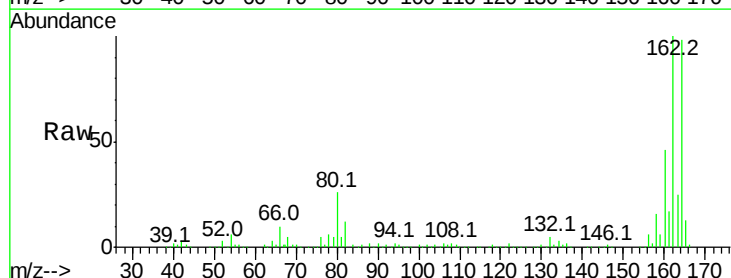
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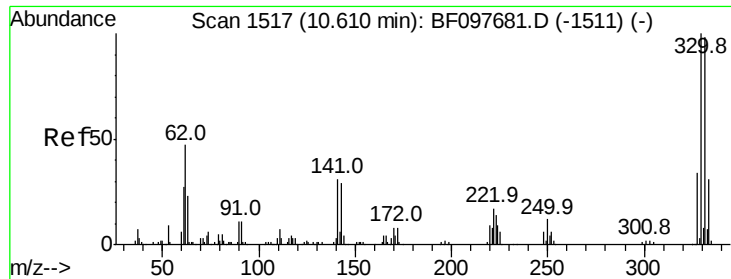
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.82 min Scan# 1314
 Delta R.T. -0.01 min
 Lab File: BF097783.D
 Acq: 17 Aug 2017 12:24

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.8	82.6	123.8
160	46.6	36.2	54.2





#41

2,4,6-Tribromophenol

Concen: 7.156 ng

RT: 10.60 min Scan# 1447

Delta R.T. -0.01 min

Lab File: BF097783.D

Acq: 17 Aug 2017 12:24

Instrument :

BNA_F

ClientSampled :

E2-K9-BASE

Tot Ion:330 Resp: 14038

Ion Ratio Lower Upper

330 100

332 96.7 76.6 115.0

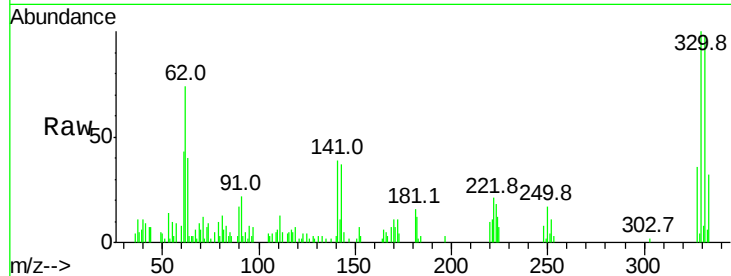
141 46.3 31.4 47.2

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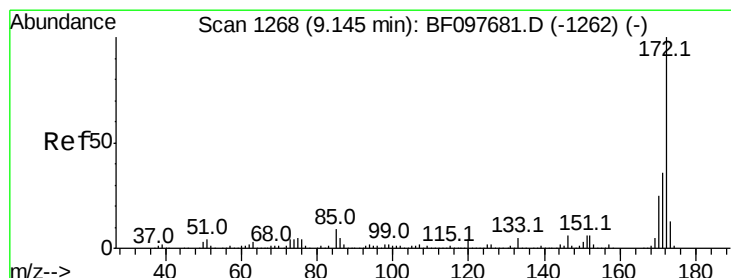
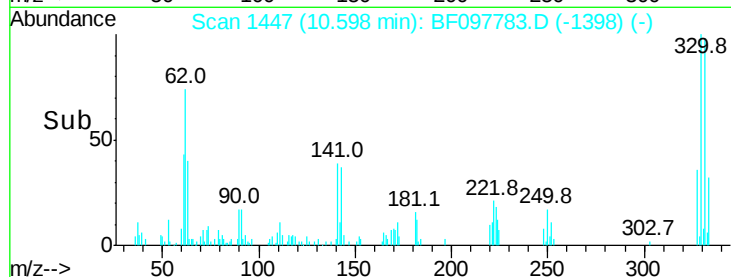
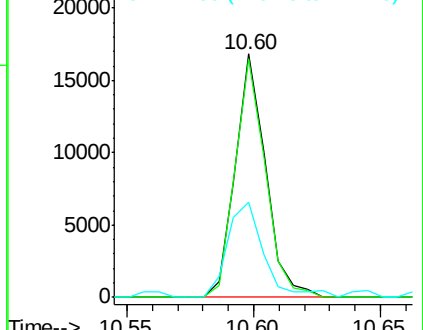
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Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 8.220 ng

RT: 9.14 min Scan# 1199

Delta R.T. -0.01 min

Lab File: BF097783.D

Acq: 17 Aug 2017 12:24

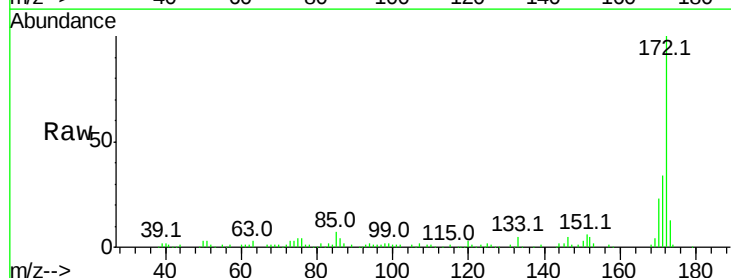
Tgt Ion:172 Resp: 126496

Ion Ratio Lower Upper

172 100

171 33.8 29.6 44.4

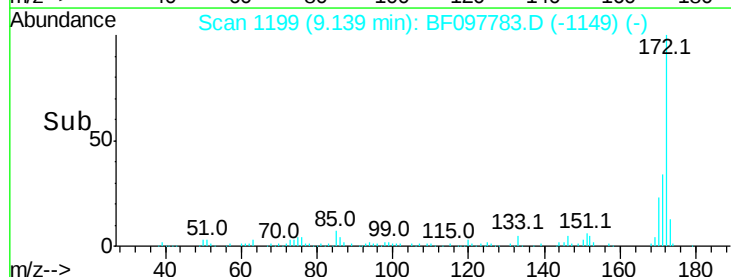
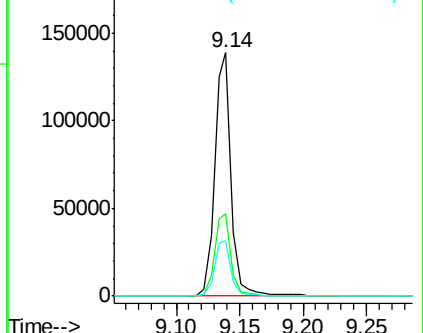
170 22.8 19.8 29.8

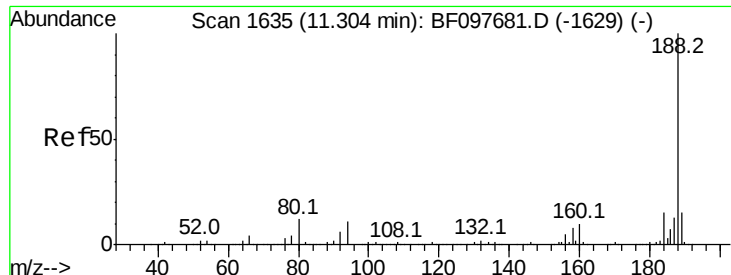


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.30 min Scan# 1566

Delta R.T. -0.01 min

Lab File: BF097783.D

Acq: 17 Aug 2017 12:24

Instrument :

BNA_F

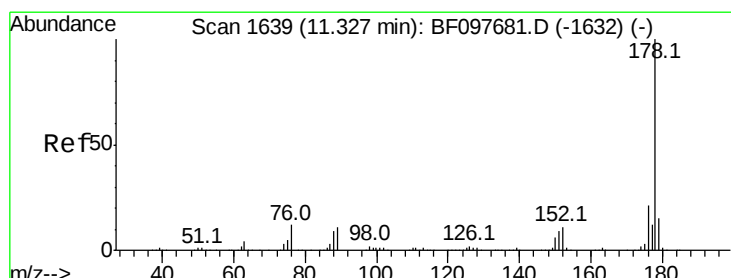
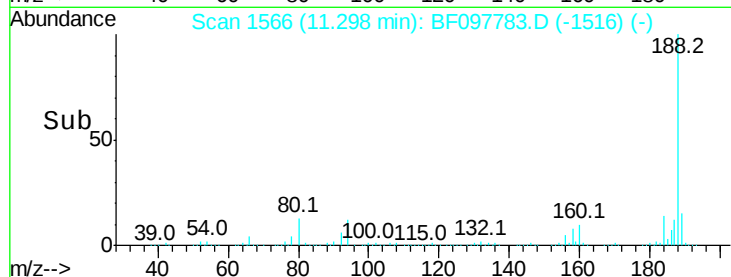
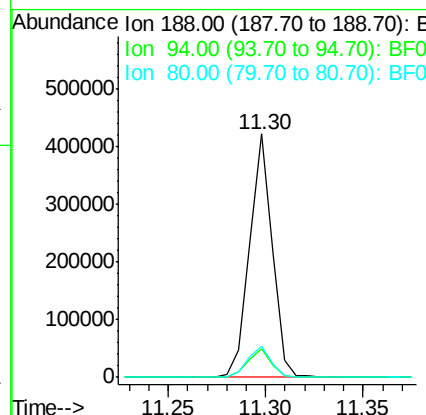
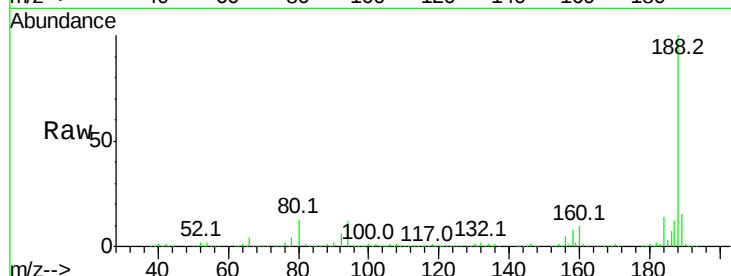
ClientSampled :

E2-K9-BASE

Tot Ion:	188	Resp:	340217
Ion Ratio	Lower	Upper	
188	100		
94	11.9	9.4	14.2
80	12.9	10.2	15.2

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#70

Phenanthrene

Concen: 4.713 ng

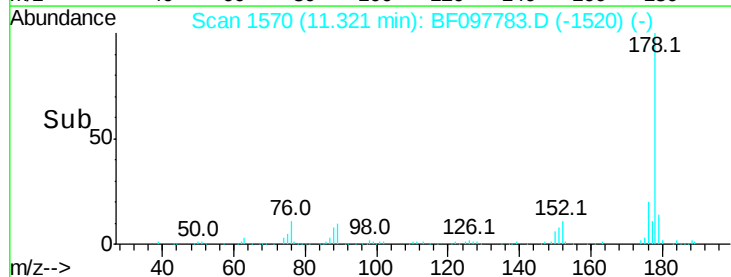
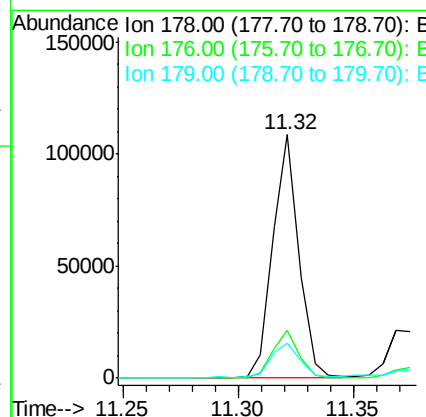
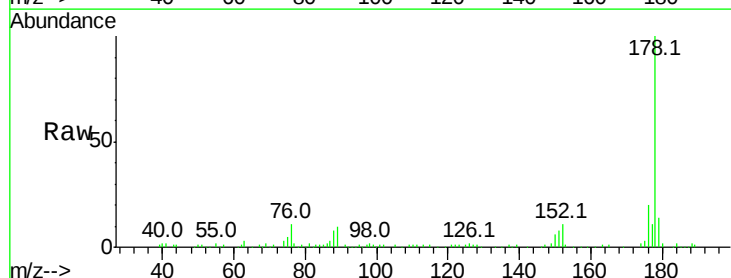
RT: 11.32 min Scan# 1570

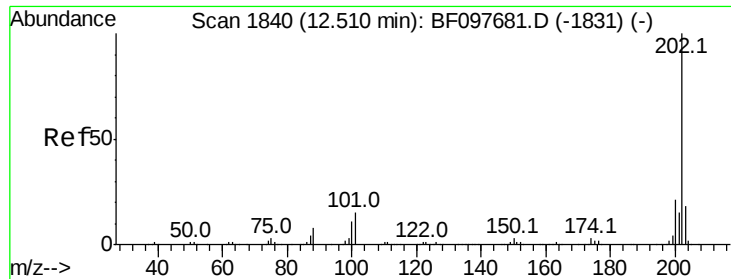
Delta R.T. -0.01 min

Lab File: BF097783.D

Acq: 17 Aug 2017 12:24

Tgt Ion:	178	Resp:	85449
Ion Ratio	Lower	Upper	
178	100		
176	19.7	16.2	24.4
179	14.4	12.6	19.0





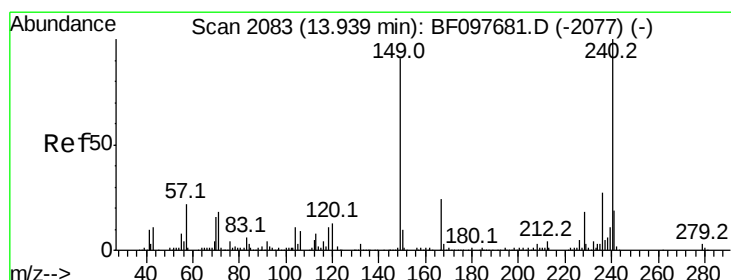
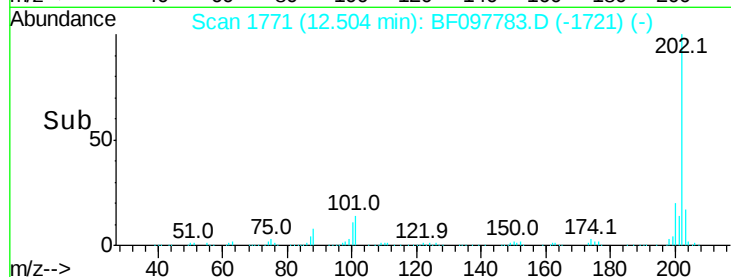
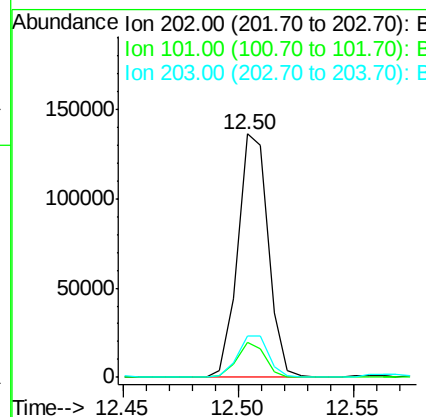
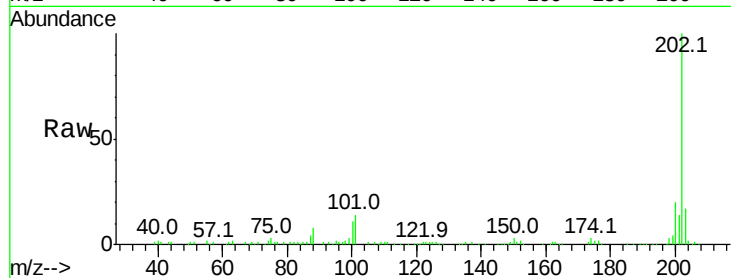
#74
Fluoranthene
 Concen: 6.645 ng
 RT: 12.50 min Scan# 1771
 Delta R.T. -0.01 min
 Lab File: BF097783.D
 Acq: 17 Aug 2017 12:24

Instrument :
 BNA_F
 ClientSampleId :
 E2-K9-BASE

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	14.1	0.0	33.2
203	17.0	0.0	38.1

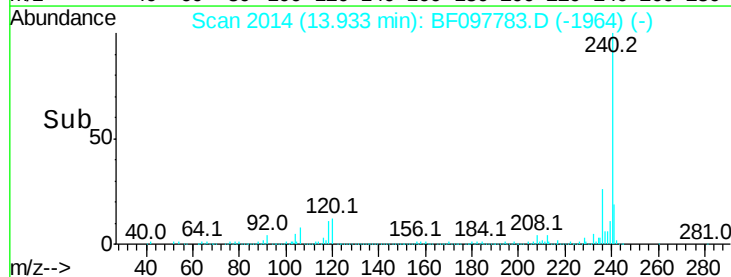
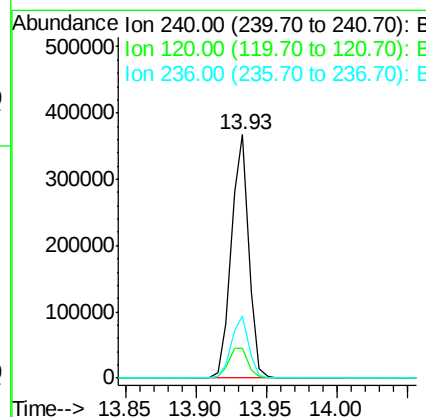
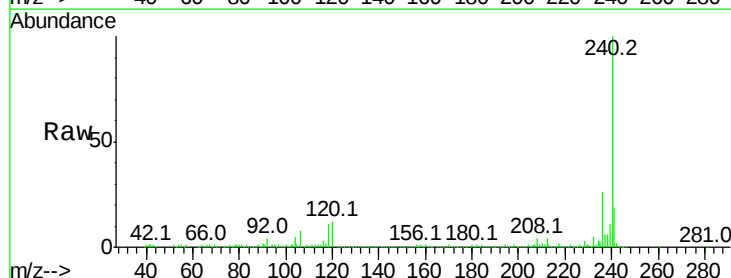
Manual Integrations
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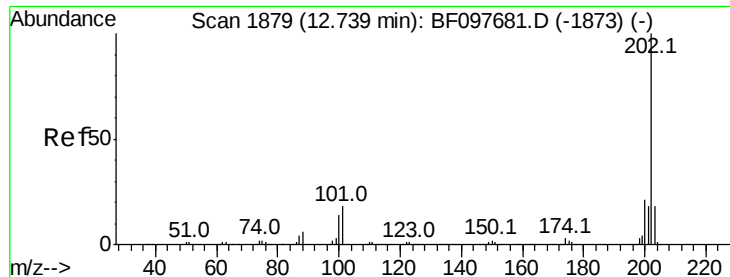
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#75
Chrysene-d12
 Concen: 20.000 ng
 RT: 13.93 min Scan# 2014
 Delta R.T. -0.01 min
 Lab File: BF097783.D
 Acq: 17 Aug 2017 12:24

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	12.3	5.8	8.8#
236	25.7	20.5	30.7





#77

Pvrene

Concen: 4.939 ng

RT: 12.73 min Scan# 1810

Delta R.T. -0.01 min

Lab File: BF097783.D

Acq: 17 Aug 2017 12:24

Instrument :

BNA_F

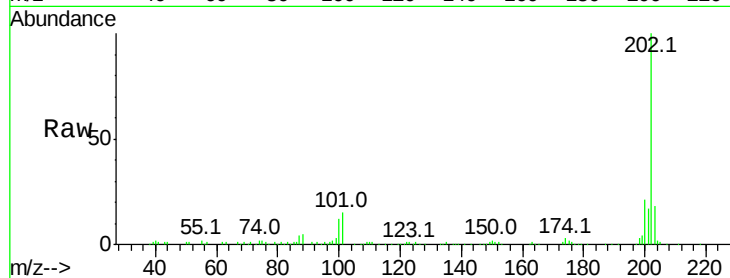
ClientSampleId :

E2-K9-BASE

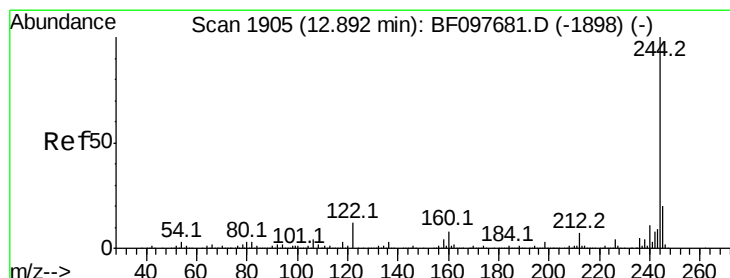
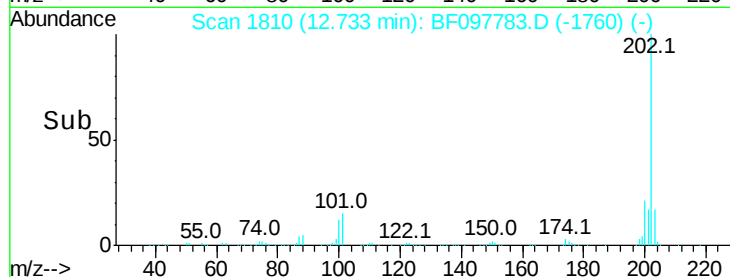
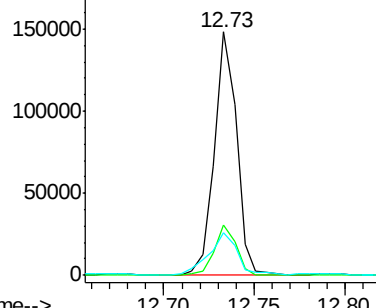
Tot Ion:	202	Resp:	127623
Ion Ratio	Lower	Upper	
202	100		
200	20.7	17.6	26.4
203	17.7	14.4	21.6

Manual Integrations
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 4.840 ng

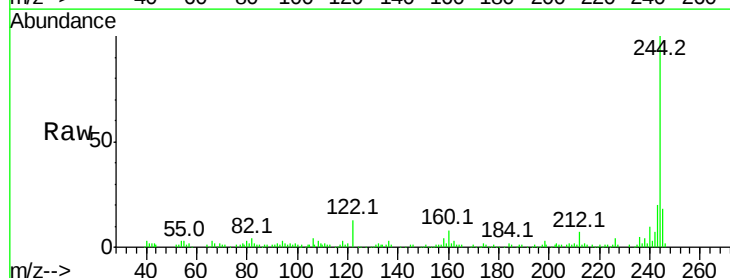
RT: 12.88 min Scan# 1835

Delta R.T. -0.01 min

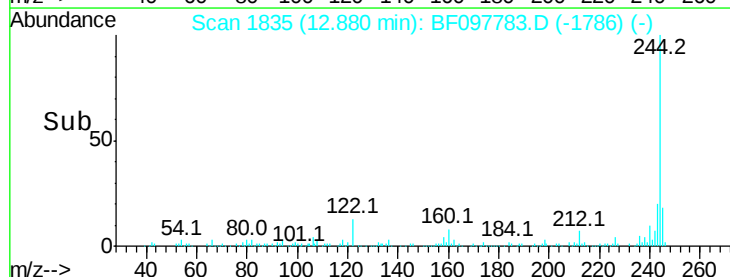
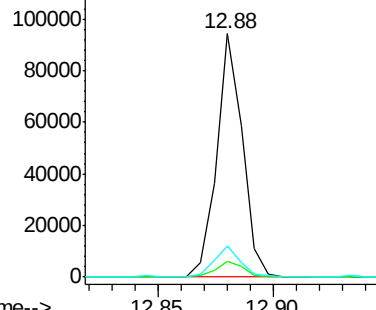
Lab File: BF097783.D

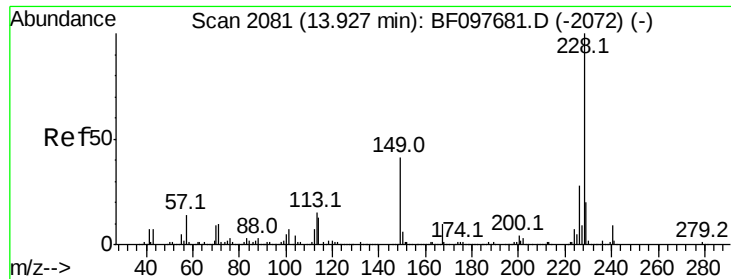
Acq: 17 Aug 2017 12:24

Tgt Ion:	244	Resp:	73331
Ion Ratio	Lower	Upper	
244	100		
212	6.6	6.0	9.0
122	13.0	10.3	15.5



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





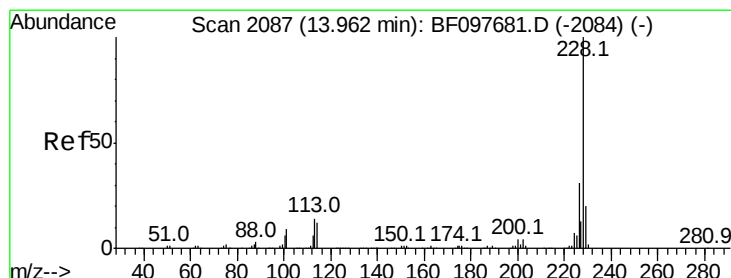
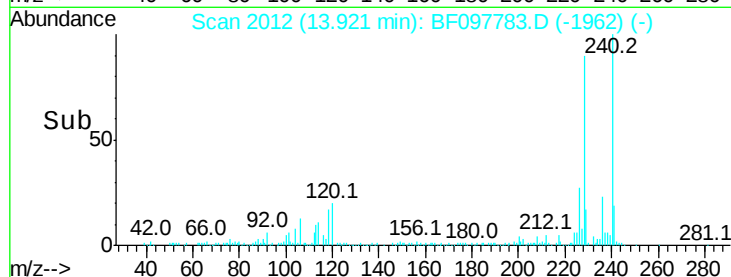
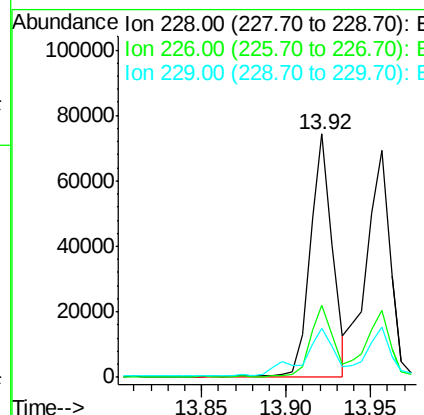
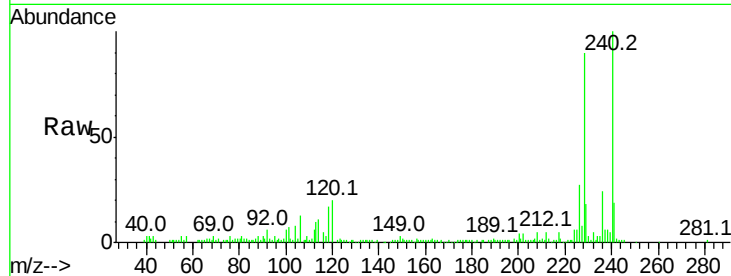
#80
Benzo(a)anthracene
Concen: 3.638 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF097783.D
Acq: 17 Aug 2017 12:24

Instrument :
BNA_F
ClientSampleId :
E2-K9-BASE

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.8	22.6	33.8
229	20.3	16.3	24.5

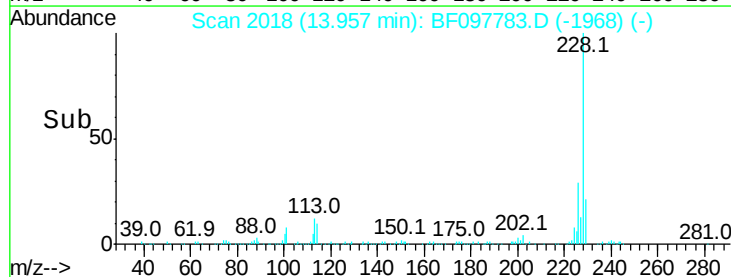
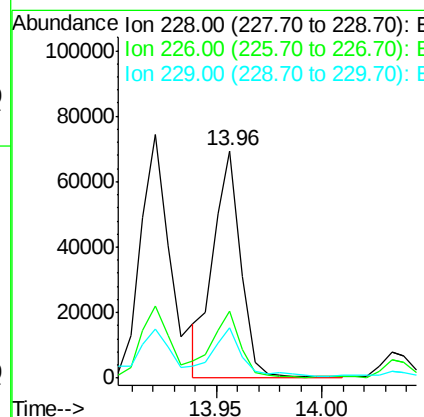
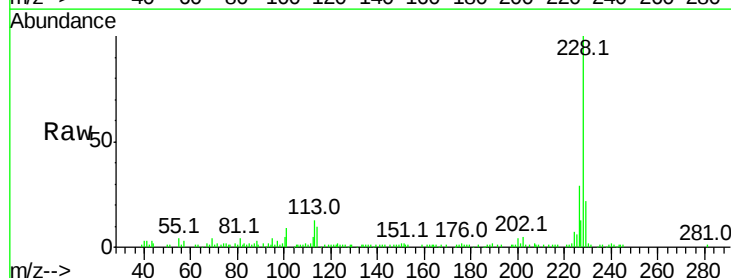
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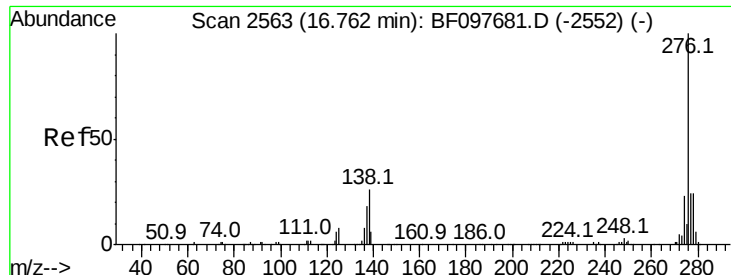
Sohil
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#82
Chrysene
Concen: 3.346 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF097783.D
Acq: 17 Aug 2017 12:24

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.9	37.3
229	22.0	15.8	23.6





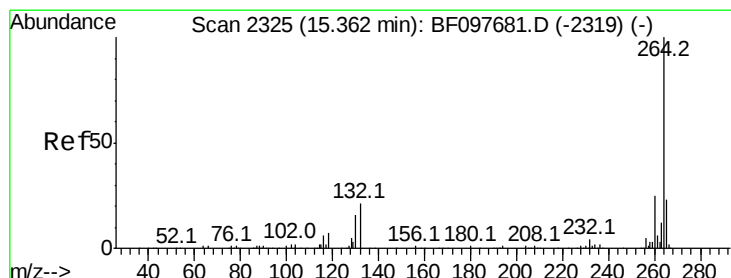
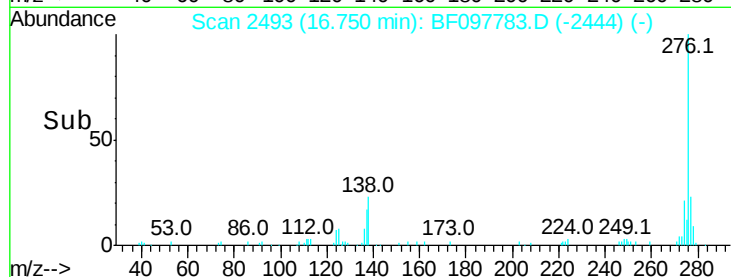
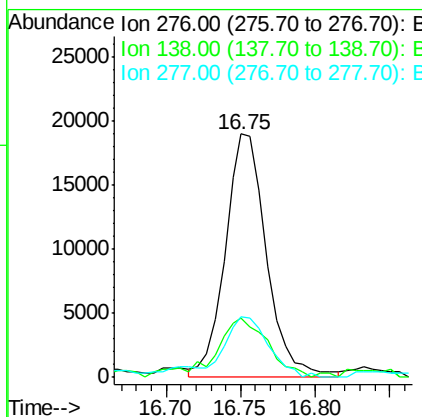
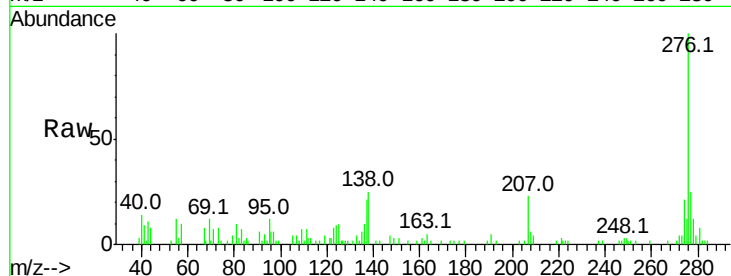
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.642 ng
RT: 16.75 min Scan# 2493
Delta R.T. -0.01 min
Lab File: BF097783.D
Acq: 17 Aug 2017 12:24

Instrument :
BNA_F
ClientSampled :
E2-K9-BASE

Tot Ion	Ratio	Lower	Upper
276	100		
138	31.4	27.8	41.6
277	25.8	20.2	30.4

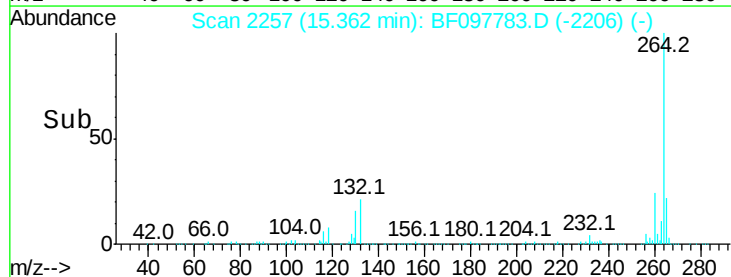
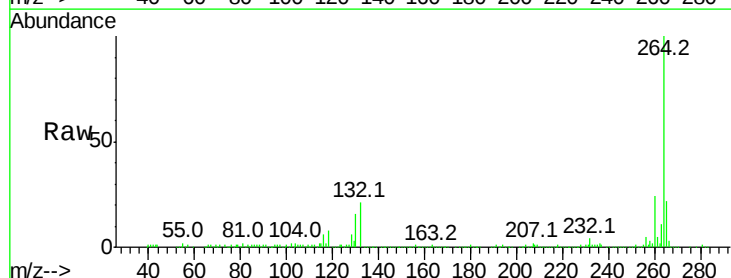
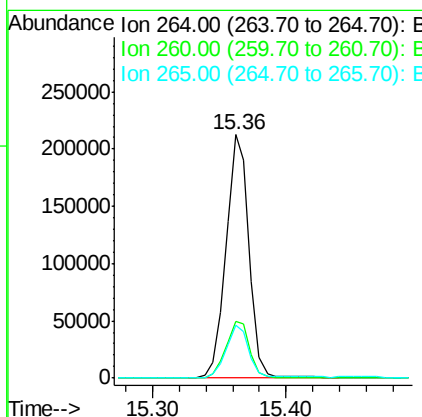
Manual Integrations
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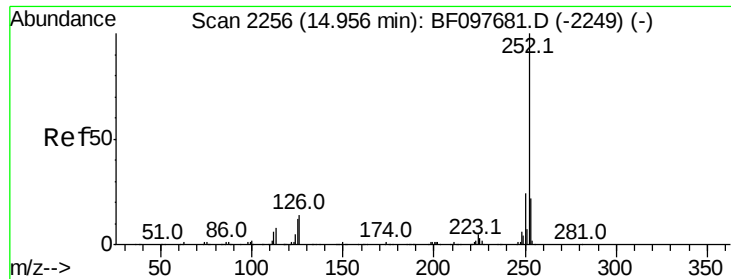
Sohil
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.36 min Scan# 2257
Delta R.T. 0.00 min
Lab File: BF097783.D
Acq: 17 Aug 2017 12:24

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.5	29.3
265	21.6	17.2	25.8





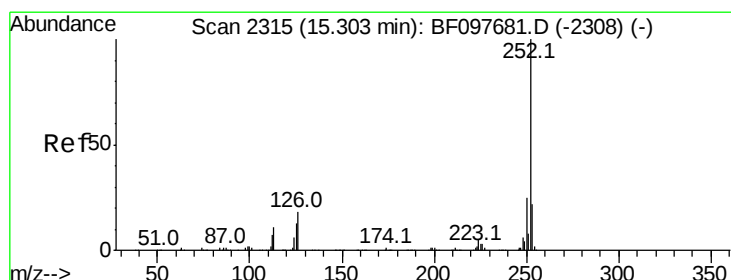
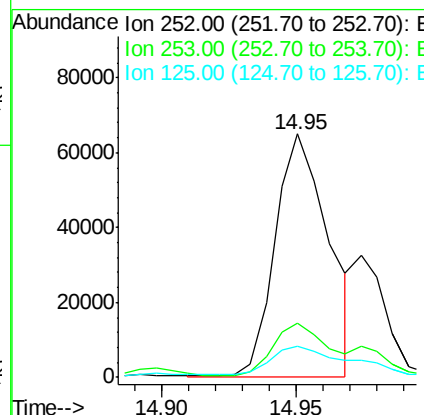
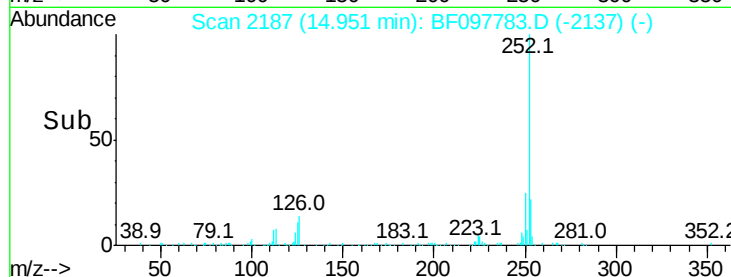
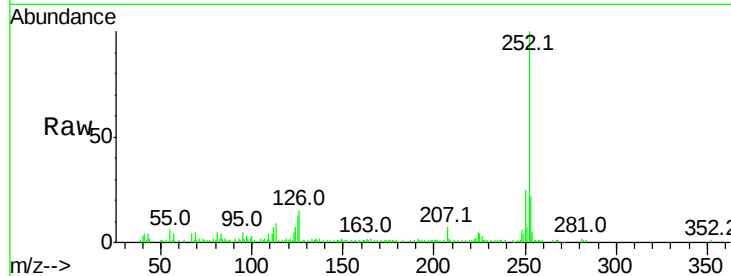
#87
Benzo(b)fluoranthene
Concen: 5.583 ng m
RT: 14.95 min Scan# 2187
Delta R.T. -0.01 min
Lab File: BF097783.D
Acq: 17 Aug 2017 12:24

Instrument :
BNA_F
ClientSampleId :
E2-K9-BASE

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.1	27.1
125	12.6	9.8	14.8

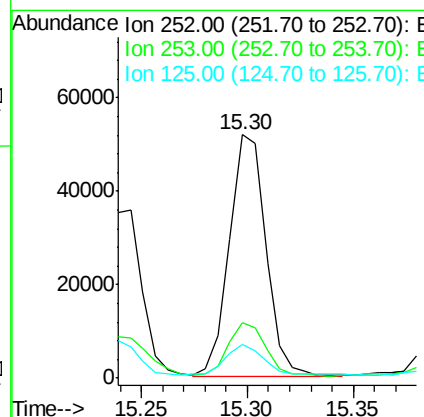
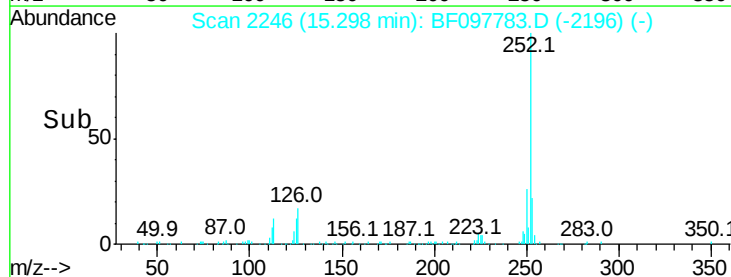
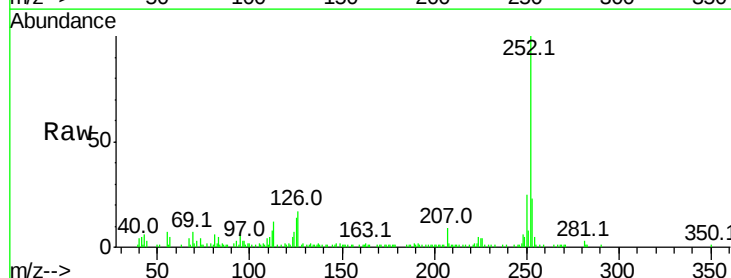
Manual Integrations
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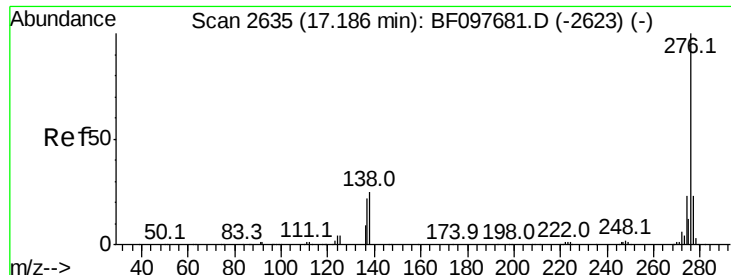
Sohil
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#89
Benzo(a)pyrene
Concen: 4.314 ng
RT: 15.30 min Scan# 2246
Delta R.T. -0.01 min
Lab File: BF097783.D
Acq: 17 Aug 2017 12:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	13.7	11.0	16.4





#91
 Benzo(a,h,i)perylene
 Concen: 2.954 ng
 RT: 17.17 min Scan# 2565
 Delta R.T. -0.01 min
 Lab File: BF097783.D
 Acq: 17 Aug 2017 12:24

Instrument :
 BNA_F
 ClientSampleId :
 E2-K9-BASE

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.9	18.6	28.0
138	26.3	25.4	38.0

Manual Integrations
 APPROVED

Sohil
 8/17/2017 5:58:27 PM

