

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081817\
 Data File : BF097867.D
 Acq On : 19 Aug 2017 7:55
 Operator : SJ/JU
 Sample : I4820-12
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-K8-BASE

Manual Integrations
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mohammad
 8/21/2017 8:19:34 AM

Quant Time: Aug 21 01:01:32 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	6.77	152	113179	20.00	ng	-0.02
21) Naphthalene-d8	8.06	136	441633	20.00	ng	-0.01
38) Acenaphthene-d10	9.81	164	190326	20.00	ng	-0.01
63) Phenanthrene-d10	11.29	188	346367	20.00	ng	-0.01
75) Chrysene-d12	13.93	240	292151	20.00	ng	-0.01
86) Perylene-d12	15.36	264	260856	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	902499	121.29	ng	0.00
7) Phenol-d6	6.41	99	1202320	118.93	ng	0.00
23) Nitrobenzene-d5	7.33	82	749997	92.26	ng	-0.02
41) 2,4,6-Tribromophenol	10.60	330	204322	123.73	ng	-0.01
44) 2-Fluorobiphenyl	9.13	172	924451	71.36	ng	-0.01
78) Terphenyl-d14	12.88	244	715521	51.07	ng	-0.01
Target Compounds						
49) Dimethylphthalate	9.53	163	178544	12.834	ng	99
70) Phenanthrene	11.32	178	204616	11.086	ng	98
71) Anthracene	11.36	178	40438	2.160	ng	98
74) Fluoranthene	12.50	202	358935	18.632	ng	99
77) Pyrene	12.73	202	335069	14.023	ng	99
80) Benzo(a)anthracene	13.92	228	143002	8.167	ng	96
82) Chrysene	13.95	228	142971	8.208	ng	97
85) Indeno(1,2,3-cd)pyrene	16.74	276	58679	4.579	ng	# 91
87) Benzo(b)fluoranthene	14.94	252	179786m	10.934	ng	
88) Benzo(k)fluoranthene	14.97	252	42557m	2.755	ng	
89) Benzo(a)pyrene	15.29	252	118538	8.143	ng	97
91) Benzo(a,h,i)perylene	17.16	276	54315	4.393	ng	# 91

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

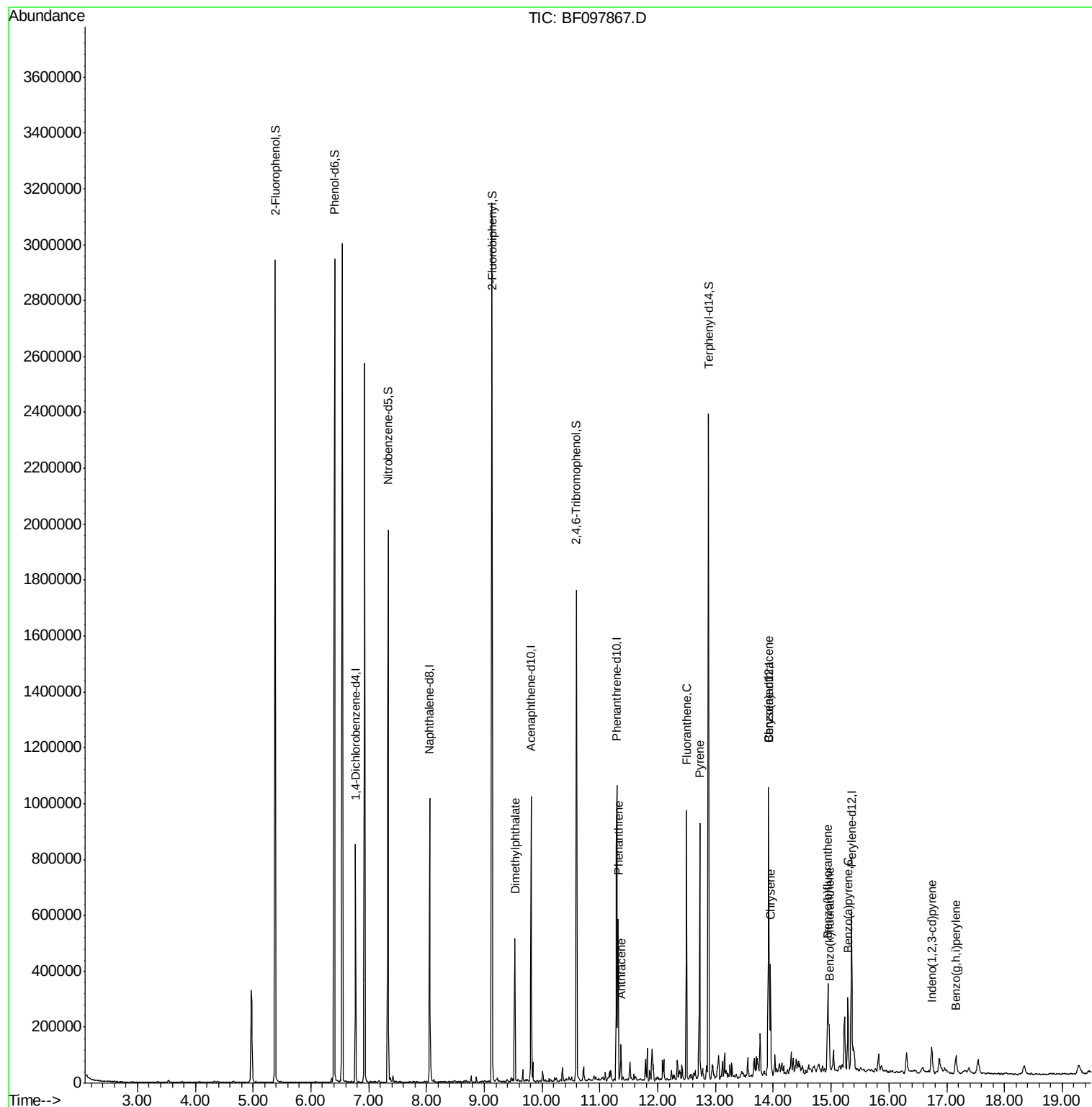
Data Path : Z:\HPCHEM1\BNA F\DATA\BF081817\
Data File : BF097867.D
Acq On : 19 Aug 2017 7:55
Operator : SJ/JU
Sample : I4820-12
Misc :
ALS Vial : 29 Sample Multiplier: 1

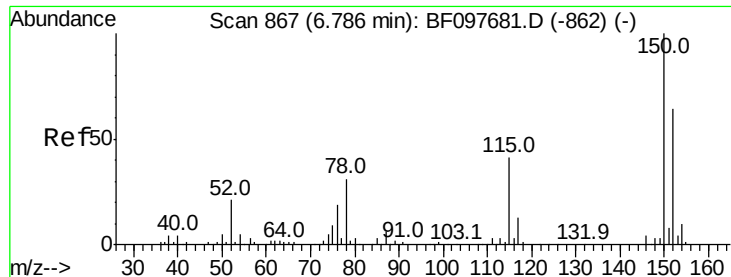
Instrument :
BNA_F
ClientSampled :
E2-K8-BASE

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

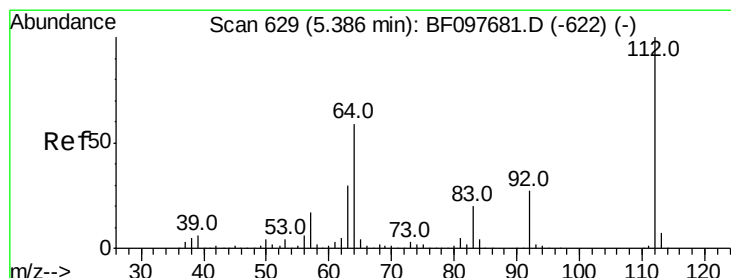
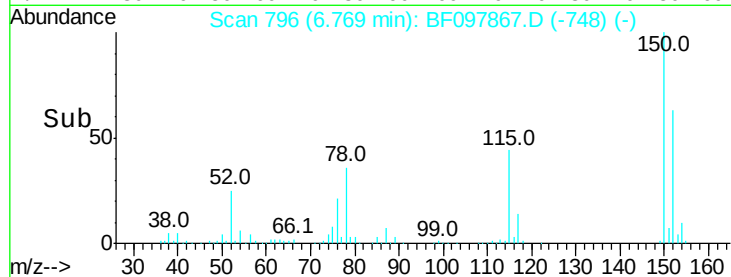
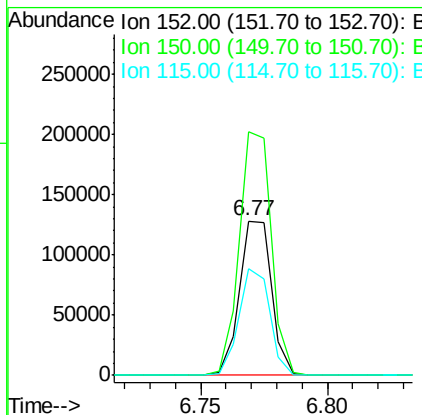
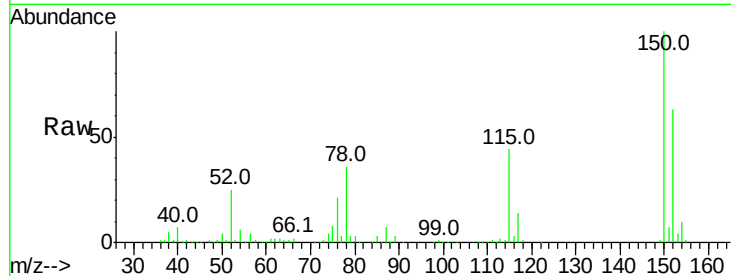
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.02 min
Lab File: BF097867.D
Acq: 19 Aug 2017 7:55

Instrument :
BNA_F
ClientSampleId :
E2-K8-BASE

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.0	126.2	189.2
115	69.1	52.2	78.2

Manual Integrations
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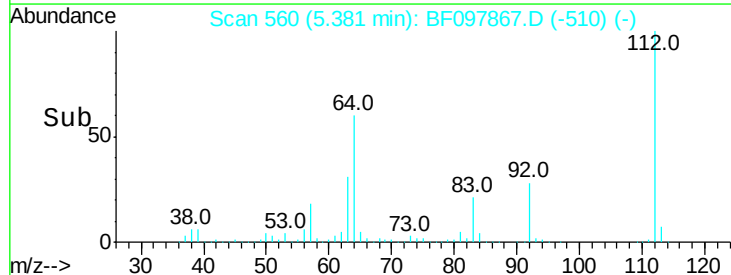
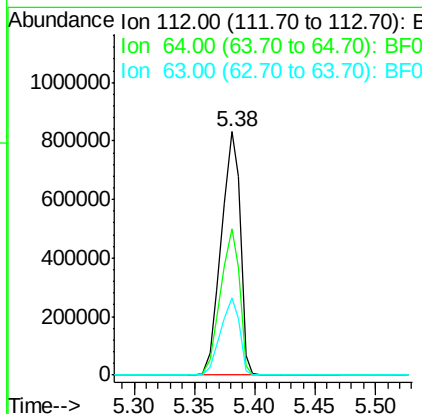
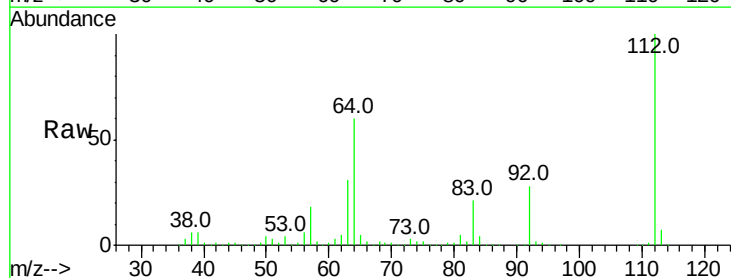
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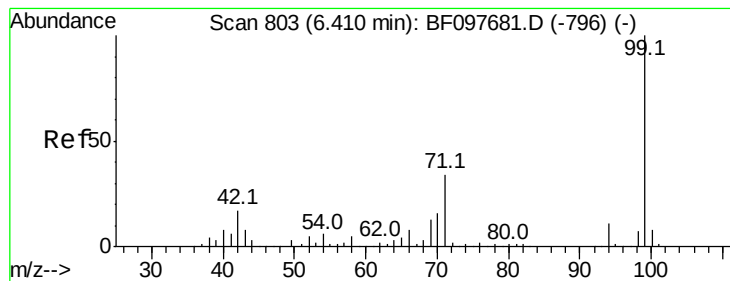


#5

2-Fluorophenol
Concen: 121.292 ng
RT: 5.38 min Scan# 560
Delta R.T. -0.01 min
Lab File: BF097867.D
Acq: 19 Aug 2017 7:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.2	46.0	69.0
63	31.5	23.4	35.0





#7

Phenol-d6

Concen: 118.926 ng

RT: 6.41 min Scan# 735

Delta R.T. 0.00 min

Lab File: BF097867.D

Acq: 19 Aug 2017 7:55

Instrument :

BNA_F

ClientSampled :

E2-K8-BASE

Tot Ion: 99 Resp: 1202320

Ion Ratio Lower Upper

99 100

42 15.3 13.5 20.3

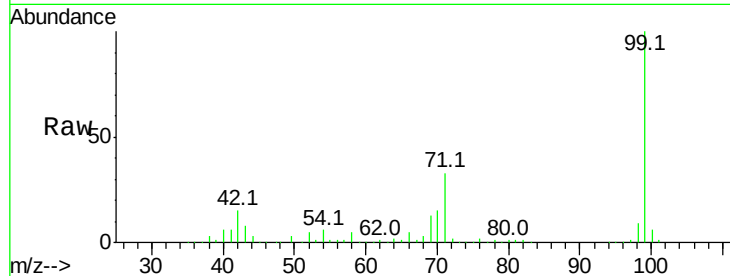
71 32.8 24.5 36.7

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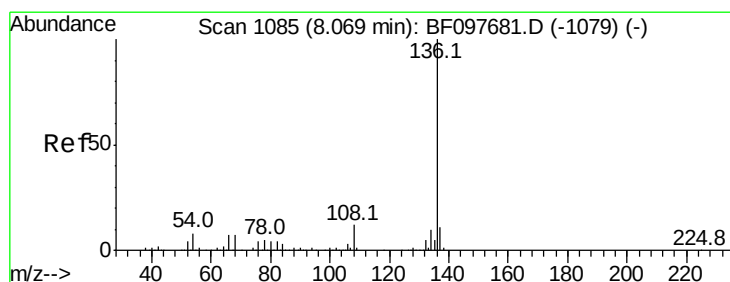
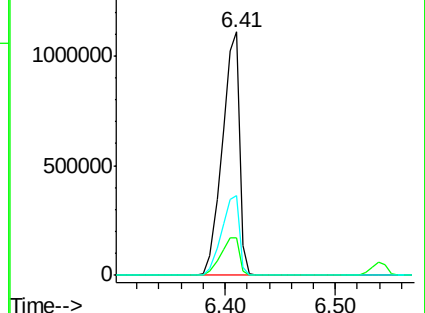
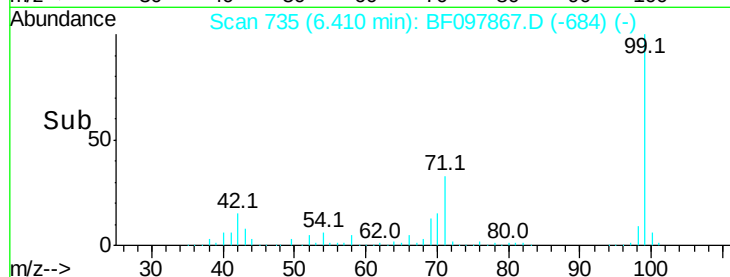
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.06 min Scan# 1015

Delta R.T. -0.01 min

Lab File: BF097867.D

Acq: 19 Aug 2017 7:55

Tgt Ion: 136 Resp: 441633

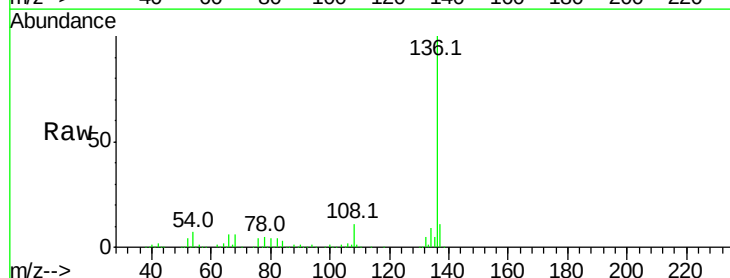
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 7.1 4.9 7.3

68 6.3 4.1 6.1#

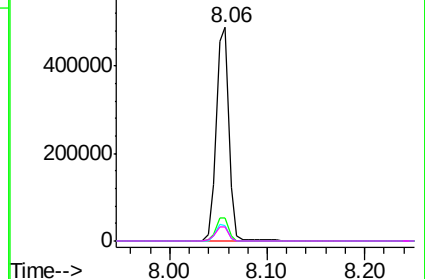
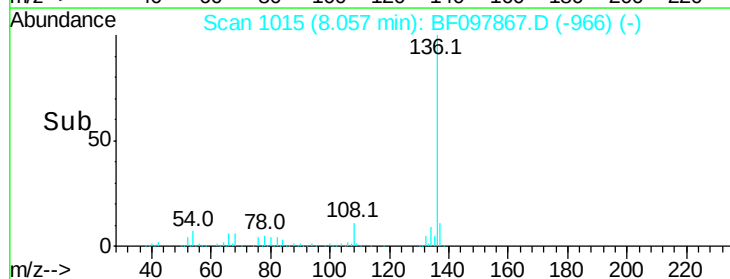


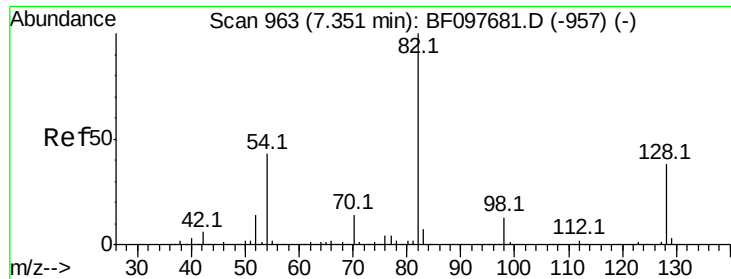
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





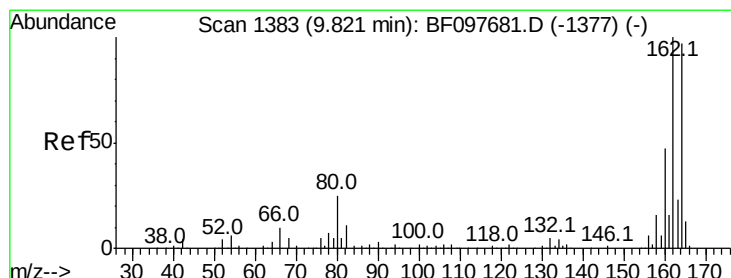
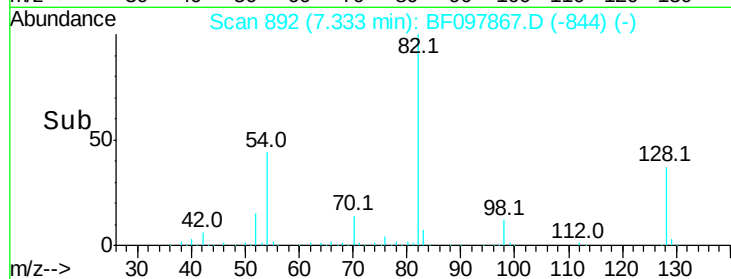
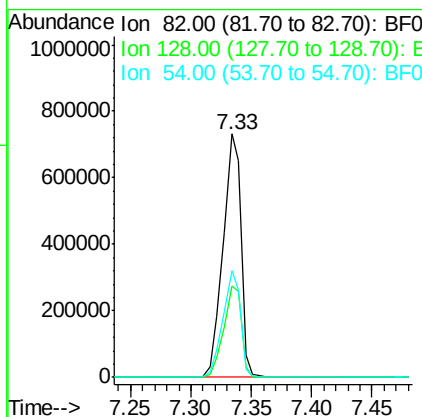
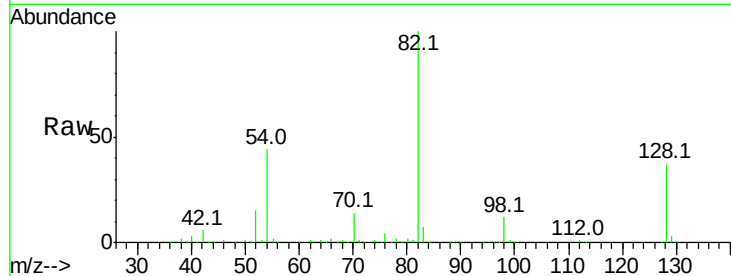
#23
 Nitrobenzene-d5
 Concen: 92.256 ng
 RT: 7.33 min Scan# 892
 Delta R.T. -0.02 min
 Lab File: BF097867.D
 Acq: 19 Aug 2017 7:55

Instrument :
 BNA_F
 ClientSampleId :
 E2-K8-BASE

Tot Ion	Ratio	Lower	Upper
82	100		
128	37.5	34.0	51.0
54	43.6	42.2	63.2

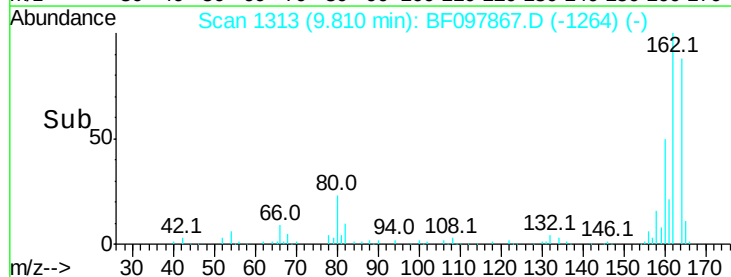
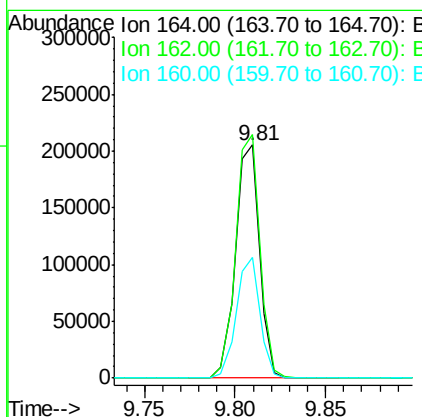
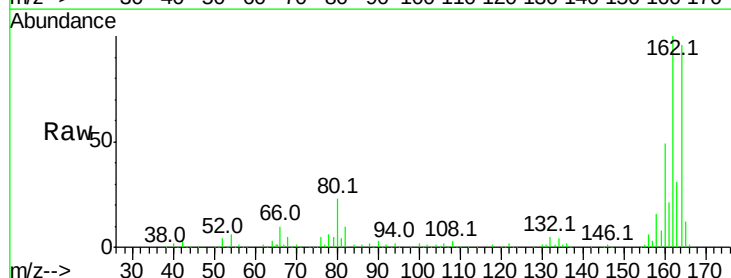
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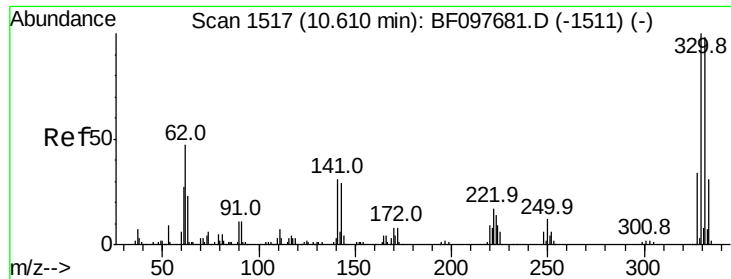
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.81 min Scan# 1313
 Delta R.T. -0.01 min
 Lab File: BF097867.D
 Acq: 19 Aug 2017 7:55

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.4	82.6	123.8
160	51.5	36.2	54.2





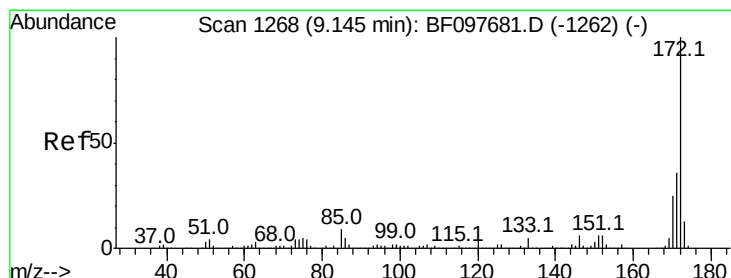
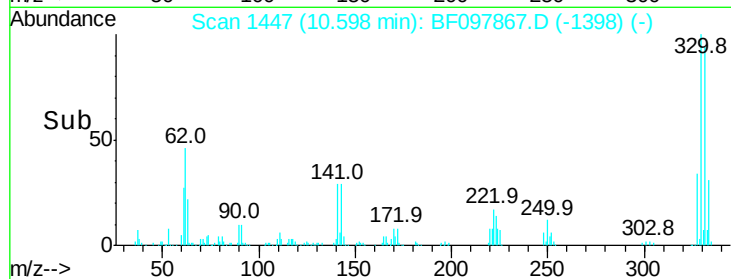
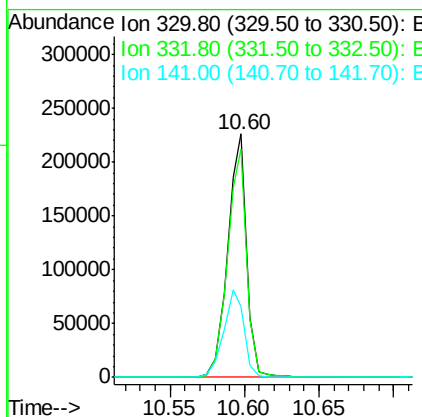
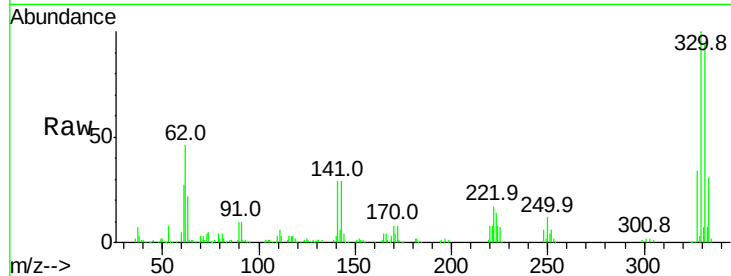
#41
 2,4,6-Tribromophenol
 Concen: 123.727 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. -0.01 min
 Lab File: BF097867.D
 Acq: 19 Aug 2017 7:55

Instrument :
 BNA_F
 ClientSampleId :
 E2-K8-BASE

Tot Ion	Ratio	Resp	Lower	Upper
330	100	204322		
332	95.8	76.6	115.0	
141	39.1	31.4	47.2	

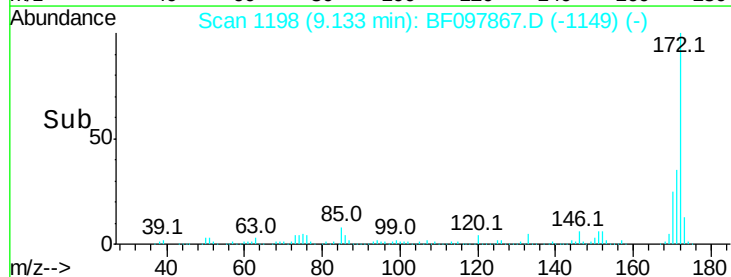
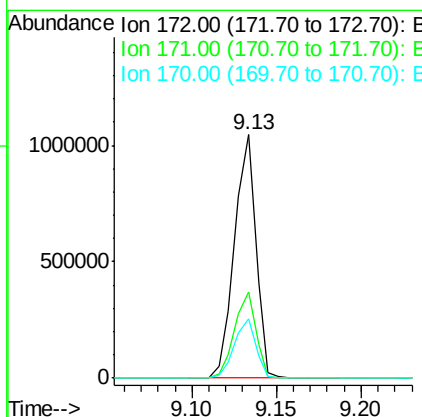
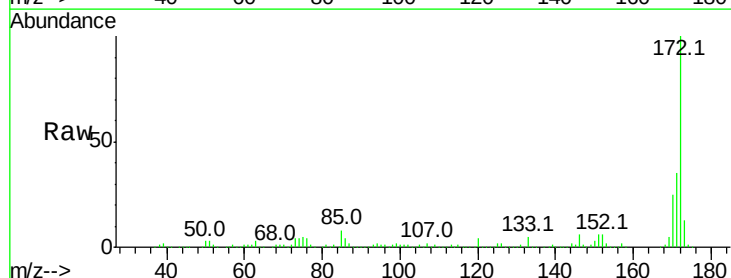
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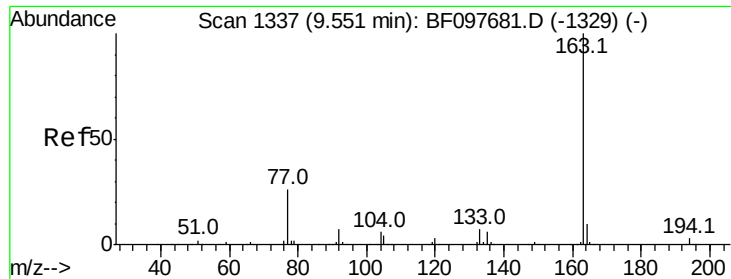
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#44
 2-Fluorobiphenyl
 Concen: 71.362 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. -0.01 min
 Lab File: BF097867.D
 Acq: 19 Aug 2017 7:55

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	924451		
171	35.2	29.6	44.4	
170	24.6	19.8	29.8	





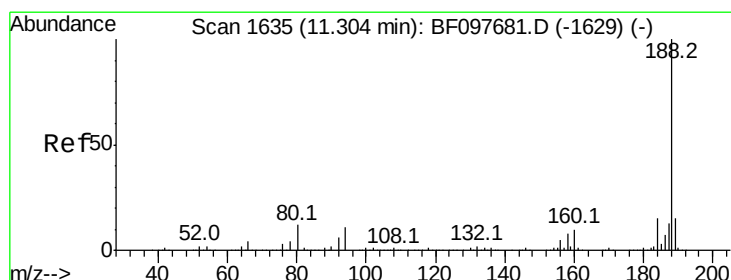
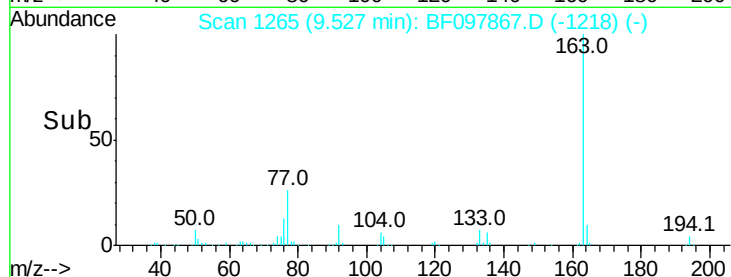
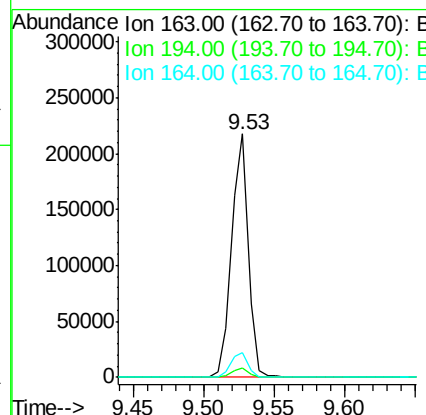
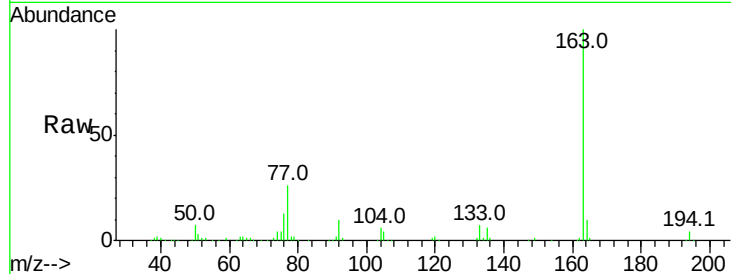
#49
Dimethylphthalate
Concen: 12.834 ng
RT: 9.53 min Scan# 1265
Delta R.T. -0.02 min
Lab File: BF097867.D
Acq: 19 Aug 2017 7:55

Instrument :
BNA_F
ClientSampleId :
E2-K8-BASE

Tot Ion	Ratio	Resp	Lower	Upper
163	100	178544		
194	3.9	2.6	4.0	
164	10.0	8.4	12.6	

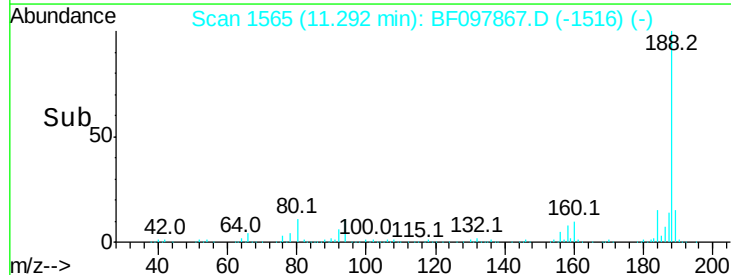
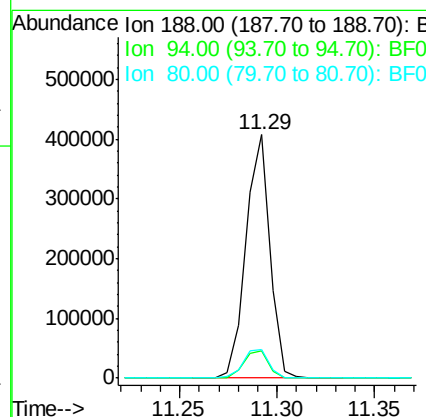
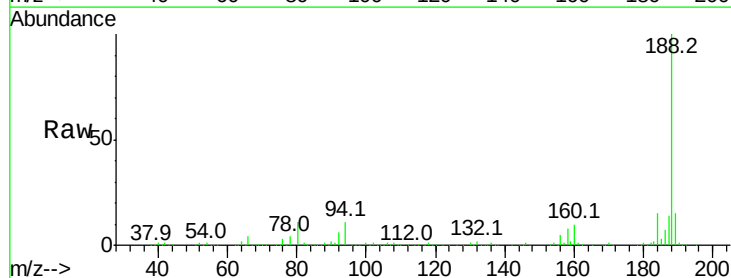
Manual Integrations
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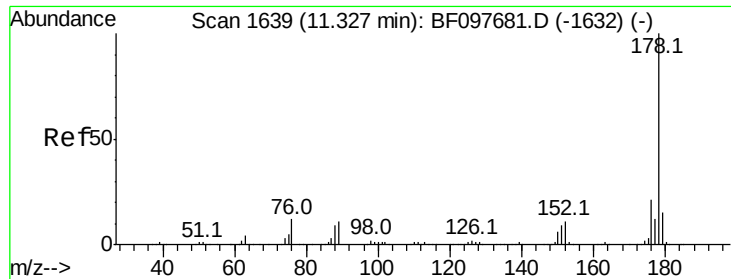
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.29 min Scan# 1565
Delta R.T. -0.01 min
Lab File: BF097867.D
Acq: 19 Aug 2017 7:55

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	346367		
94	11.2	9.4	14.2	
80	11.5	10.2	15.2	





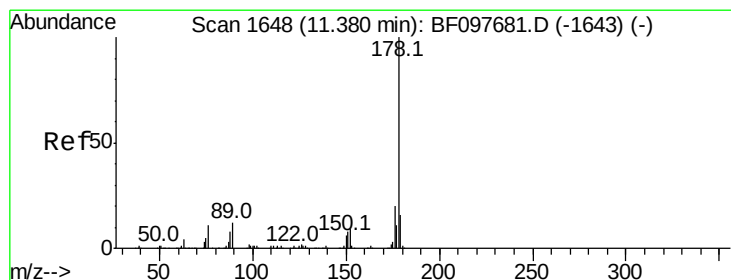
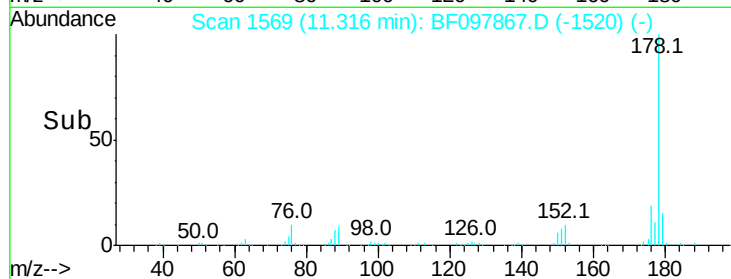
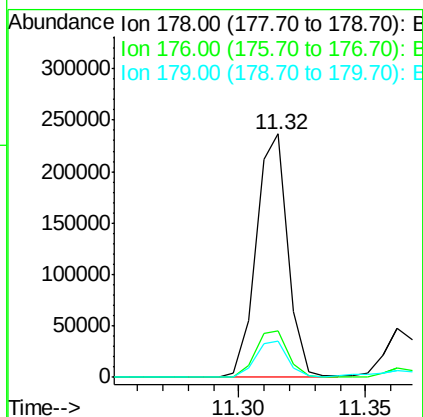
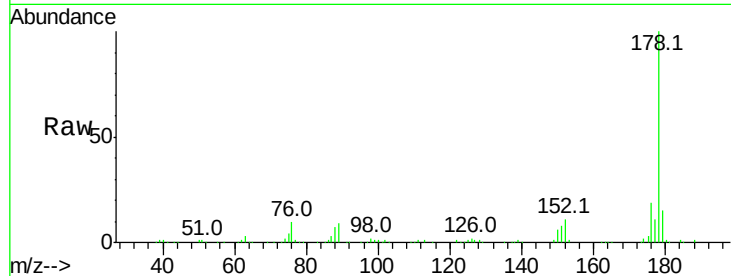
#70
Phenanthrene
Concen: 11.086 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF097867.D
Acq: 19 Aug 2017 7:55

Instrument :
BNA_F
ClientSampleId :
E2-K8-BASE

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	16.2	24.4
179	15.1	12.6	19.0

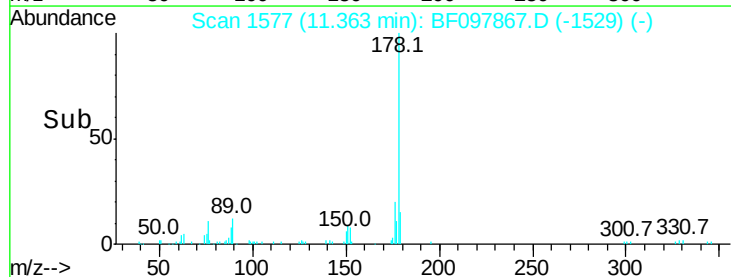
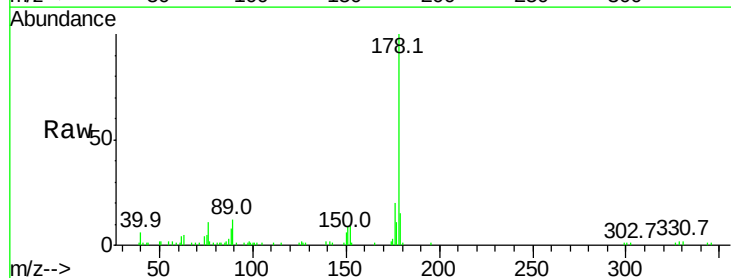
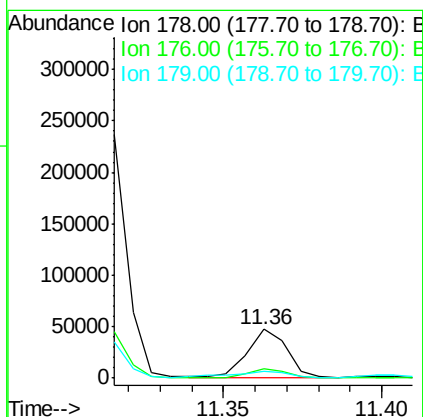
Manual Integrations
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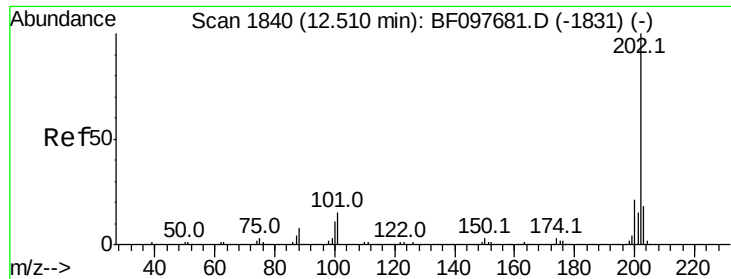
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#71
Anthracene
Concen: 2.160 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.02 min
Lab File: BF097867.D
Acq: 19 Aug 2017 7:55

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.4	15.8	23.8
179	15.2	12.7	19.1





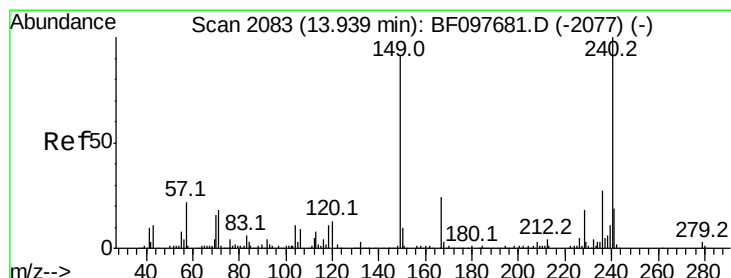
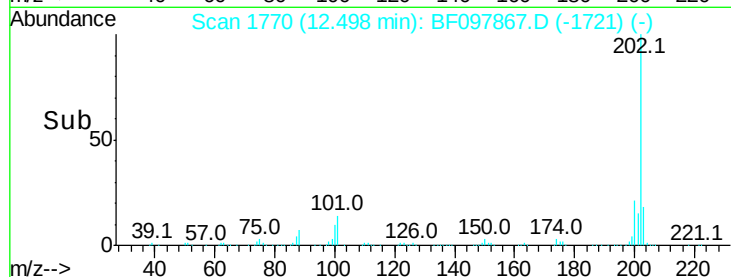
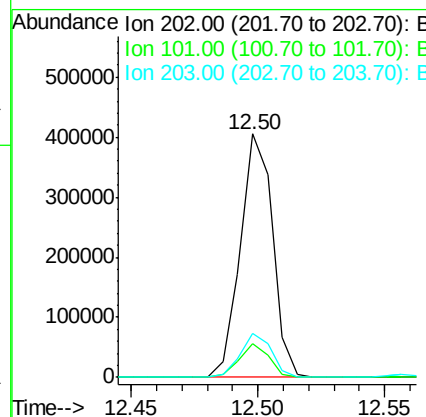
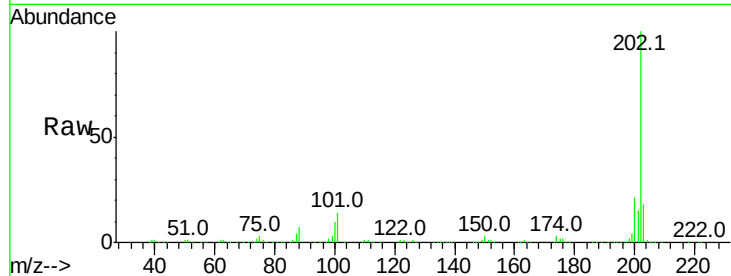
#74
Fluoranthene
Concen: 18.632 ng
RT: 12.50 min Scan# 1770
Delta R.T. -0.01 min
Lab File: BF097867.D
Acq: 19 Aug 2017 7:55

Instrument :
BNA_F
ClientSampled :
E2-K8-BASE

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	13.8	0.0	33.2
203	17.8	0.0	38.1

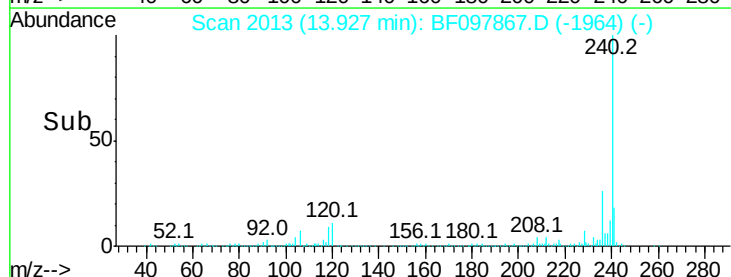
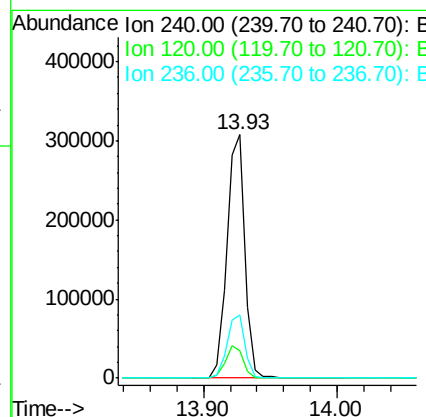
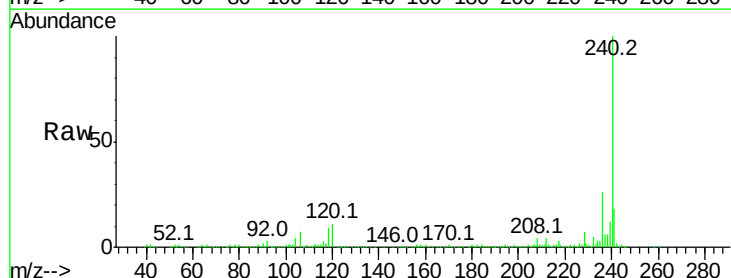
Manual Integrations
APPROVED

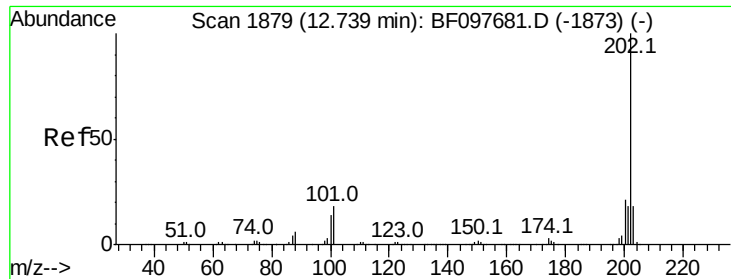
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#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.93 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BF097867.D
Acq: 19 Aug 2017 7:55

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	11.2	5.8	8.8#
236	25.7	20.5	30.7





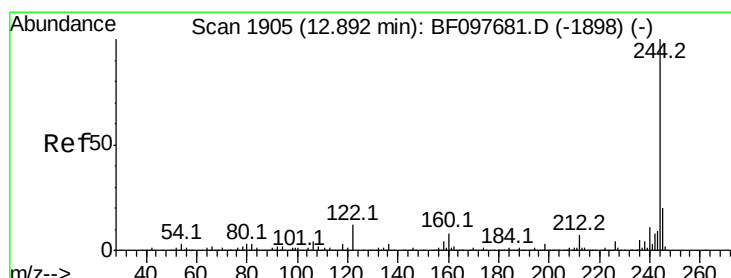
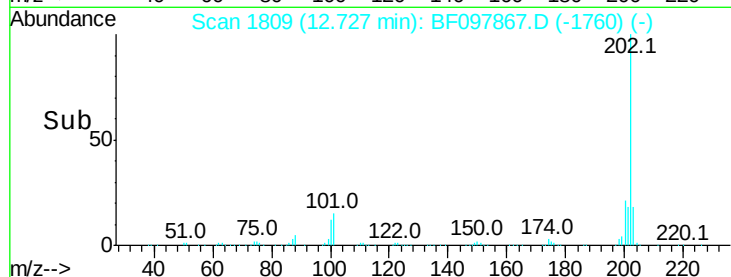
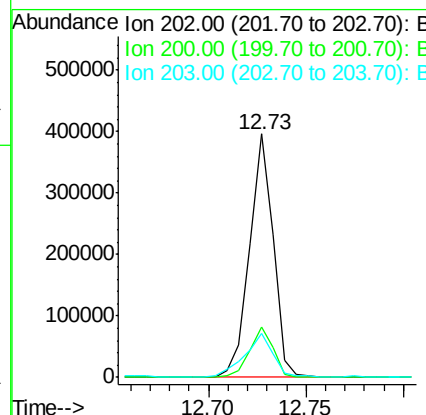
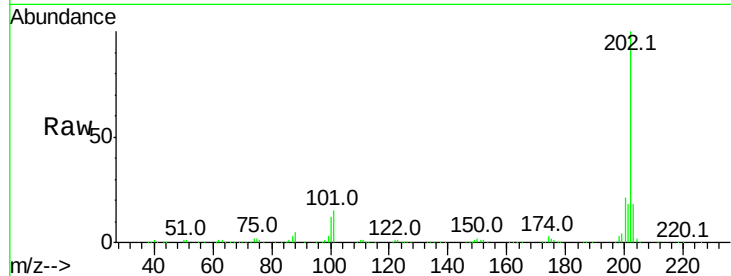
#77
Pvrene
Concen: 14.023 ng
RT: 12.73 min Scan# 1809
Delta R.T. -0.01 min
Lab File: BF097867.D
Acq: 19 Aug 2017 7:55

Instrument :
BNA_F
ClientSampleId :
E2-K8-BASE

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.8	17.6	26.4
203	18.0	14.4	21.6

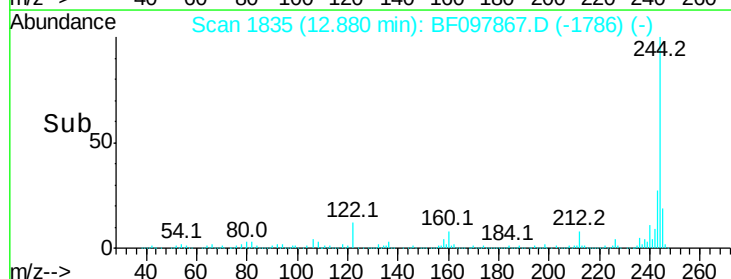
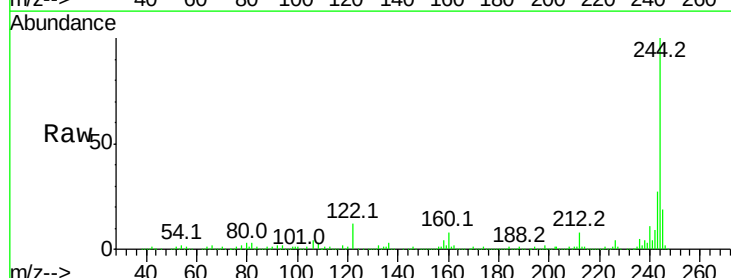
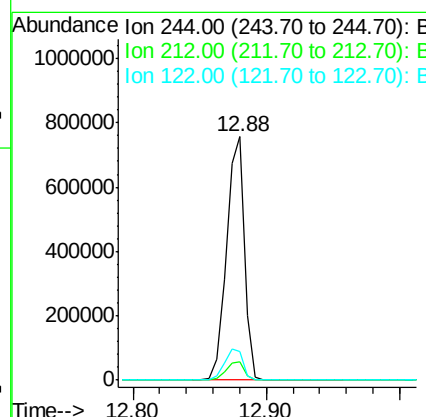
Manual Integrations
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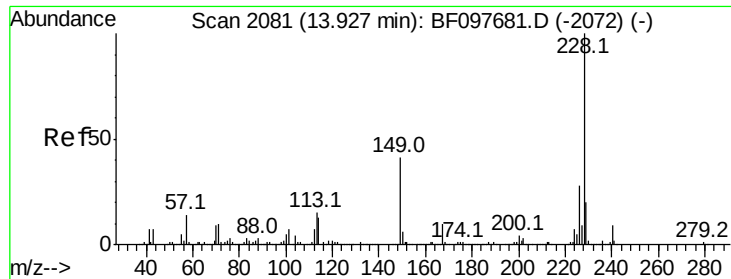
mohammad
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#78
Terphenyl-d14
Concen: 51.073 ng
RT: 12.88 min Scan# 1835
Delta R.T. -0.01 min
Lab File: BF097867.D
Acq: 19 Aug 2017 7:55

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.6	6.0	9.0
122	12.0	10.3	15.5





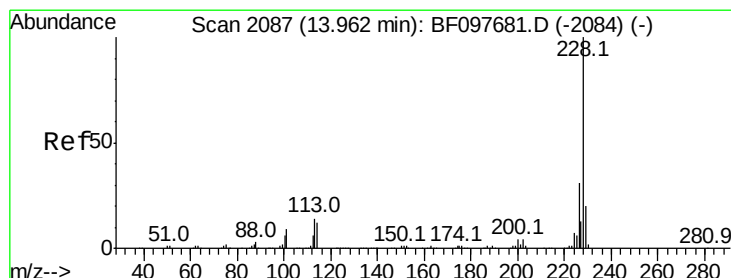
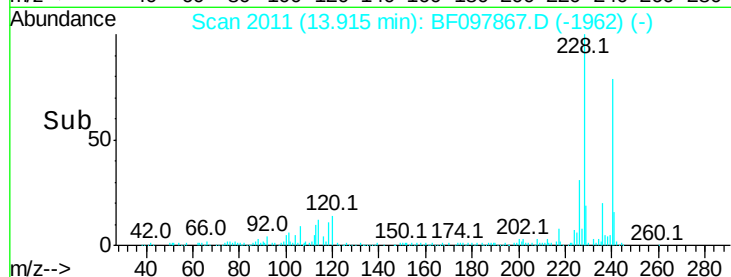
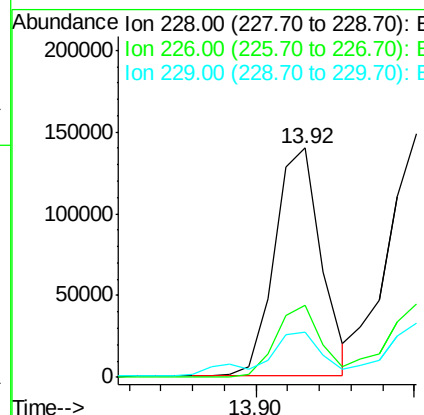
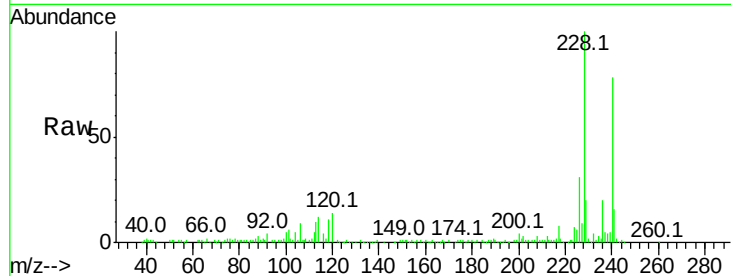
#80
Benzo(a)anthracene
Concen: 8.167 ng
RT: 13.92 min Scan# 2011
Delta R.T. -0.01 min
Lab File: BF097867.D
Acq: 19 Aug 2017 7:55

Instrument :
BNA_F
ClientSampleId :
E2-K8-BASE

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.3	22.6	33.8
229	19.6	16.3	24.5

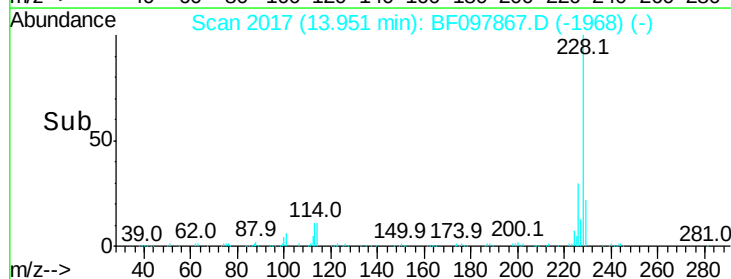
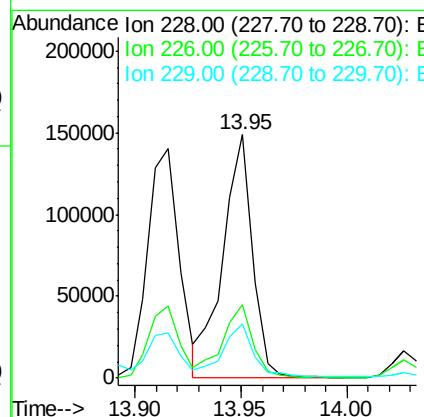
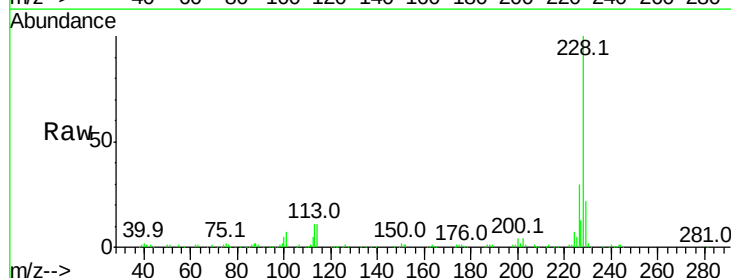
Manual Integrations
APPROVED

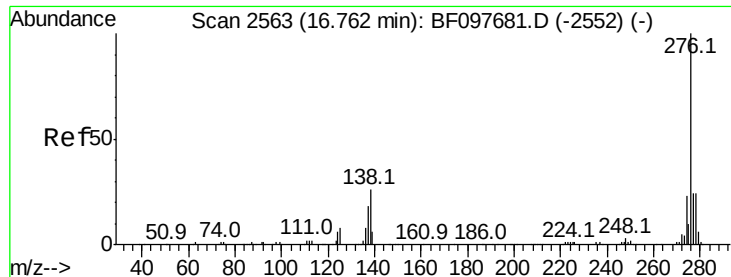
mohammad
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#82
Chrysene
Concen: 8.208 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF097867.D
Acq: 19 Aug 2017 7:55

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.9	37.3
229	22.2	15.8	23.6





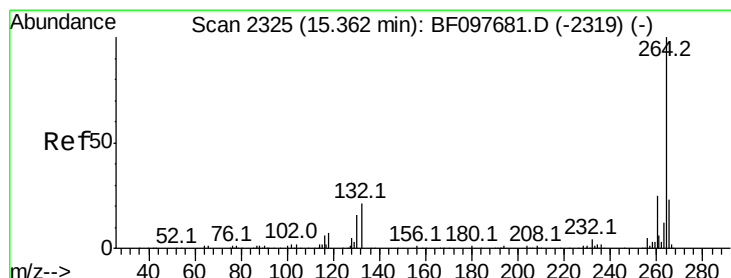
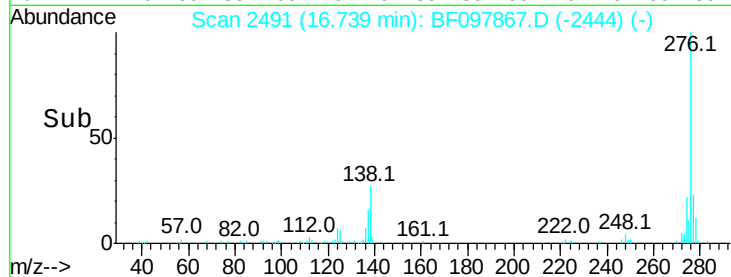
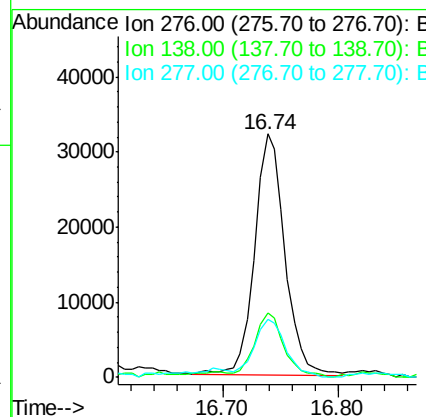
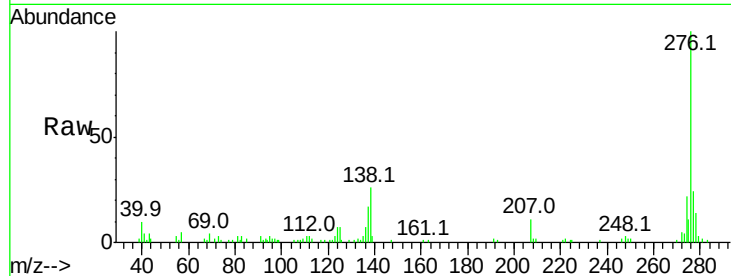
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.579 ng
RT: 16.74 min Scan# 2491
Delta R.T. -0.02 min
Lab File: BF097867.D
Acq: 19 Aug 2017 7:55

Instrument :
BNA_F
ClientSampleId :
E2-K8-BASE

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.1	27.8	41.6#
277	24.9	20.2	30.4

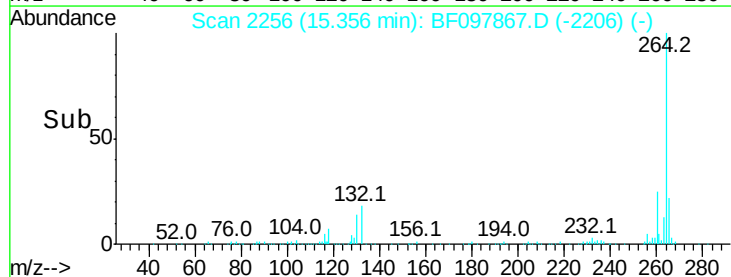
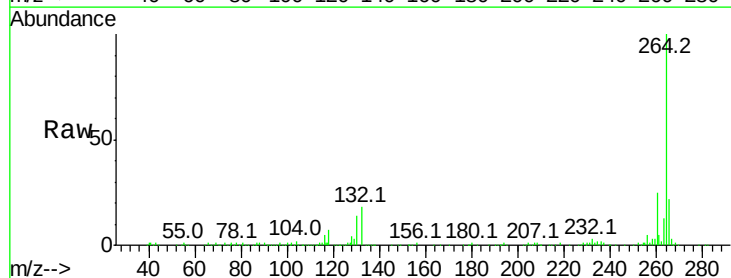
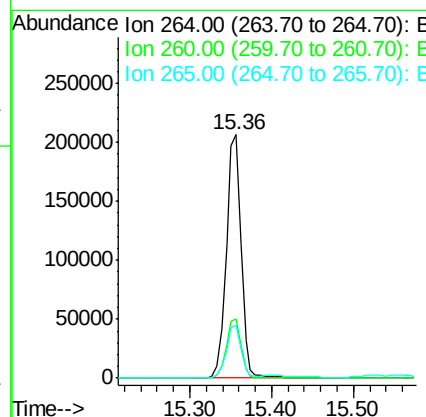
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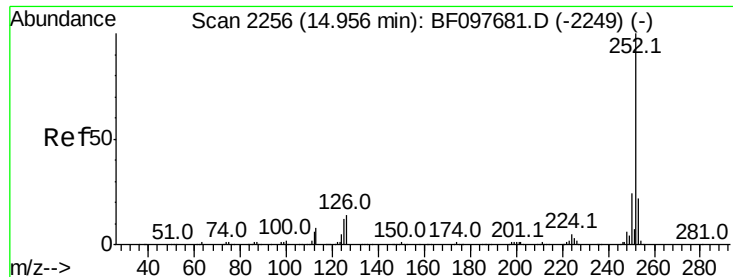
mohammad
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.36 min Scan# 2256
Delta R.T. -0.01 min
Lab File: BF097867.D
Acq: 19 Aug 2017 7:55

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.5	29.3
265	21.7	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 10.934 ng m

RT: 14.94 min Scan# 2186

Delta R.T. -0.01 min

Lab File: BF097867.D

Acq: 19 Aug 2017 7:55

Instrument :

BNA_F

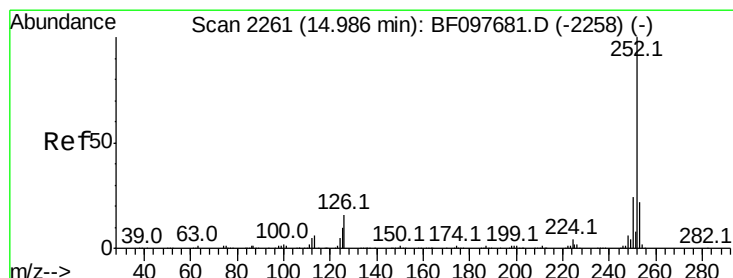
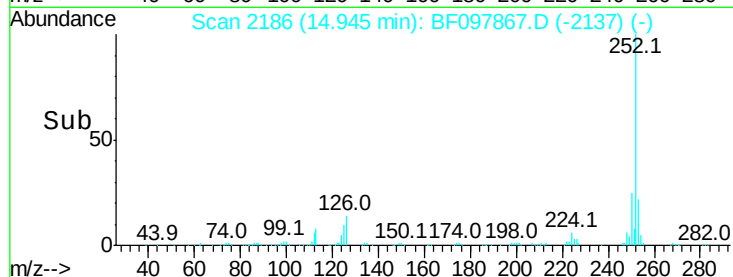
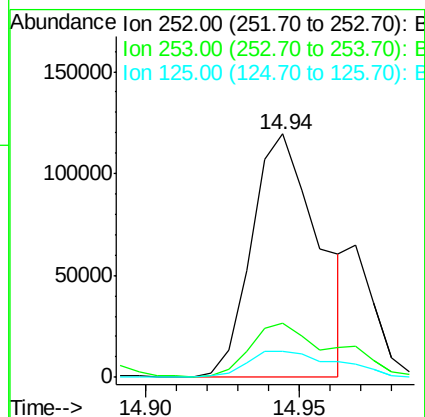
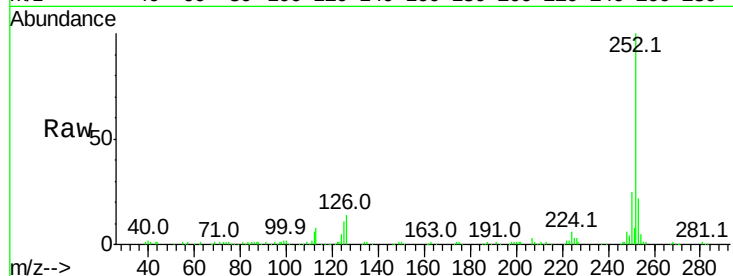
ClientSampleId :

E2-K8-BASE

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.1	27.1
125	10.8	9.8	14.8

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 2.755 ng m

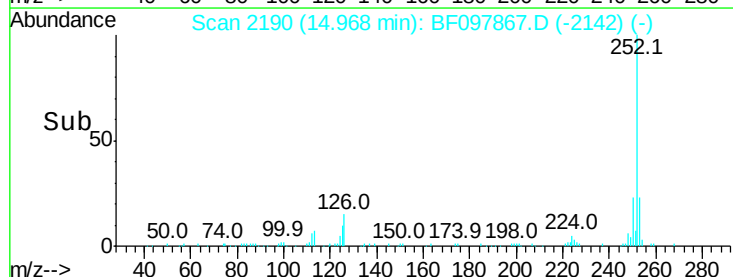
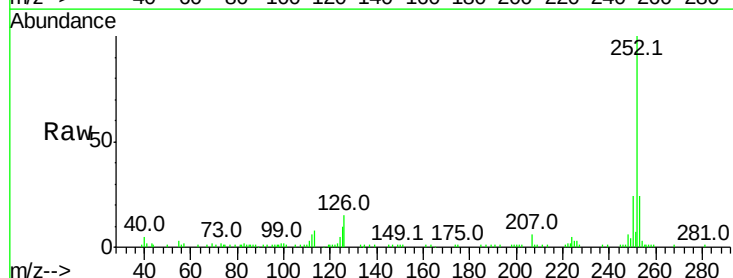
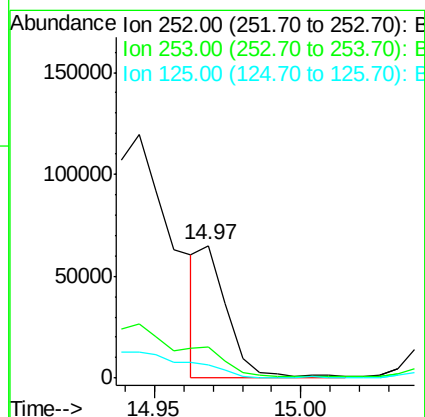
RT: 14.97 min Scan# 2190

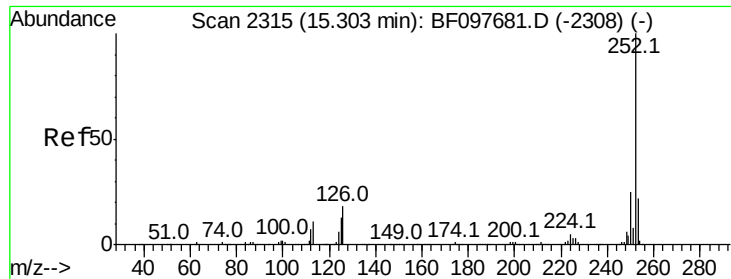
Delta R.T. -0.02 min

Lab File: BF097867.D

Acq: 19 Aug 2017 7:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.4	27.6
125	10.0	13.1	19.7#





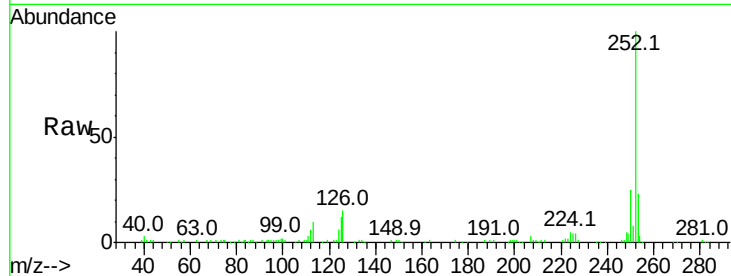
#89
Benzo(a)pyrene
Concen: 8.143 ng
RT: 15.29 min Scan# 2245
Delta R.T. -0.01 min
Lab File: BF097867.D
Acq: 19 Aug 2017 7:55

Instrument :
BNA_F
ClientSampleId :
E2-K8-BASE

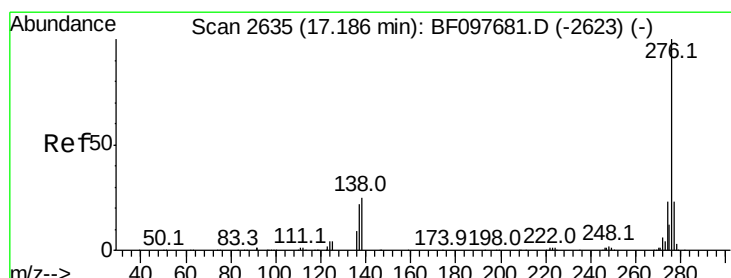
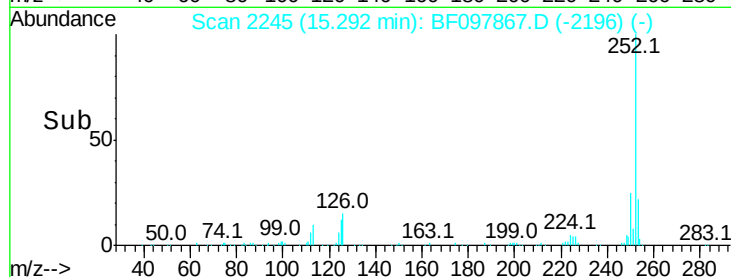
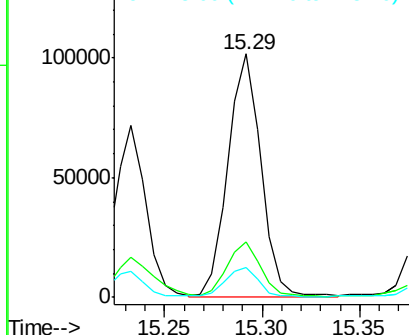
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.5	26.3
125	12.1	11.0	16.4

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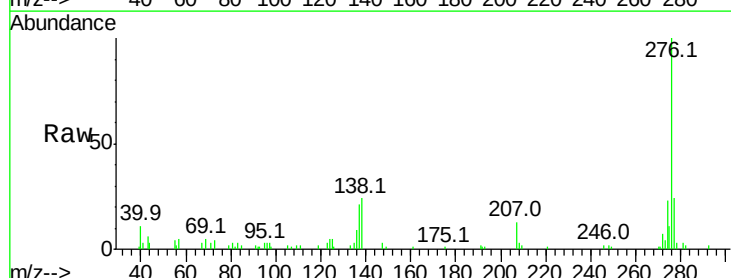


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 4.393 ng
RT: 17.16 min Scan# 2563
Delta R.T. -0.02 min
Lab File: BF097867.D
Acq: 19 Aug 2017 7:55

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.6	28.0
138	23.7	25.4	38.0#



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

