

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081917\
 Data File : BF097894.D
 Acq On : 19 Aug 2017 22:25
 Operator : SJ/JU
 Sample : I4844-01 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-081617

Manual Integrations
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Sohil
 8/21/2017 5:20:13 PM

Quant Time: Aug 21 05:10:11 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	6.76	152	153003	20.00	ng	-0.02
21) Naphthalene-d8	8.05	136	579605	20.00	ng	-0.02
38) Acenaphthene-d10	9.80	164	226871	20.00	ng	-0.02
63) Phenanthrene-d10	11.27	188	337404	20.00	ng	-0.03
75) Chrysene-d12	13.91	240	278573	20.00	ng	-0.03
86) Perylene-d12	15.33	264	213962	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	161341	16.04	ng	-0.03
7) Phenol-d6	6.38	99	221415	16.20	ng	-0.03
23) Nitrobenzene-d5	7.32	82	127226	11.92	ng	-0.04
41) 2,4,6-Tribromophenol	10.58	330	23050	11.71	ng	-0.03
44) 2-Fluorobiphenyl	9.12	172	212413	13.76	ng	-0.03
78) Terphenyl-d14	12.86	244	117425	8.79	ng	-0.04
Target Compounds						
70) Phenanthrene	11.30	178	42383	2.357	ng	99
74) Fluoranthene	12.49	202	86278	4.598	ng	97
77) Pyrene	12.71	202	78812	3.459	ng	98
80) Benzo(a)anthracene	13.90	228	41947	2.512	ng	94
82) Chrysene	13.93	228	44689	2.691	ng	98
87) Benzo(b)fluoranthene	14.92	252	48314m	3.582	ng	
89) Benzo(a)pyrene	15.27	252	31334	2.624	ng	94

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

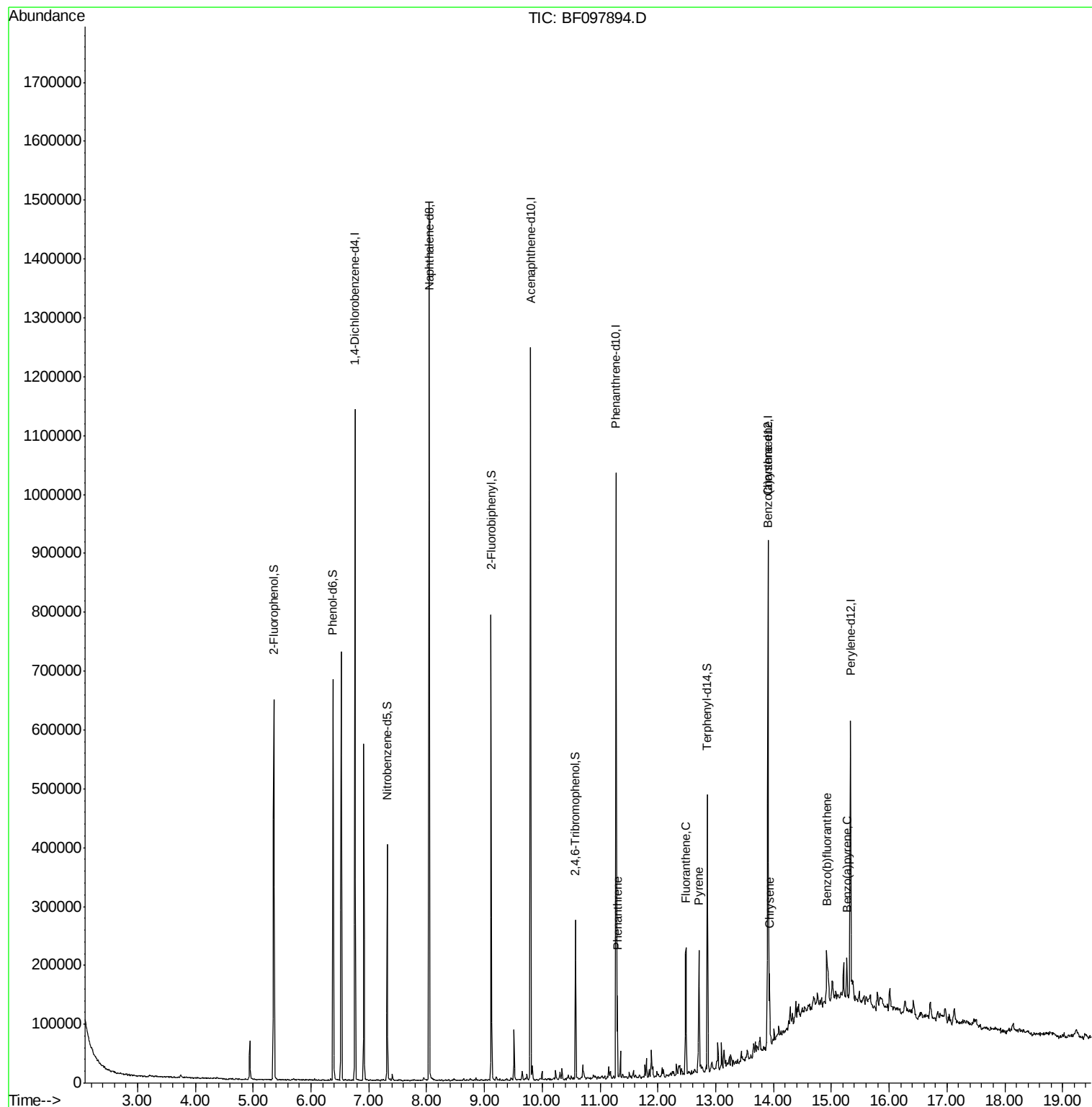
Data Path : Z:\HPCHEM1\BNA F\DATA\BF081917\
Data File : BF097894.D
Acq On : 19 Aug 2017 22:25
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Sample : I4844-01 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

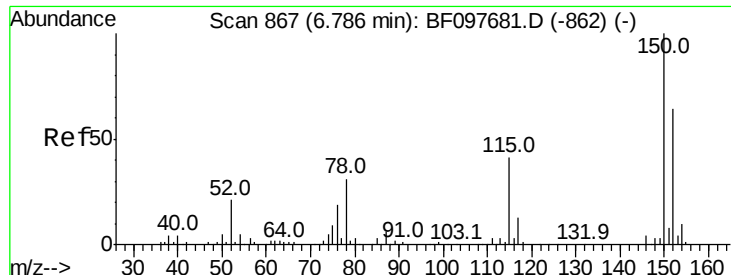
Instrument :
BNA_F
ClientSampleId :
OR-03-081617

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Quant Time: Aug 21 05:10:11 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

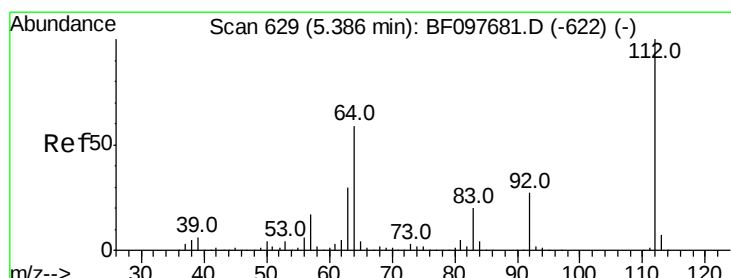
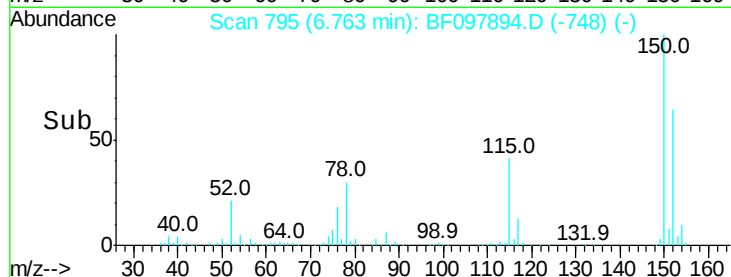
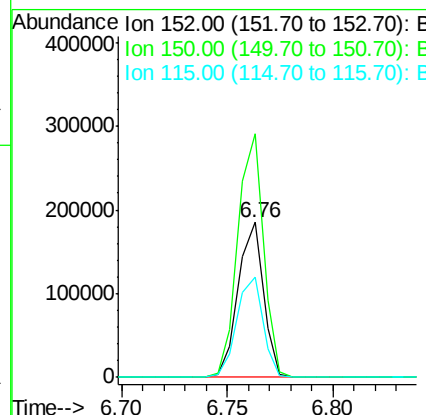
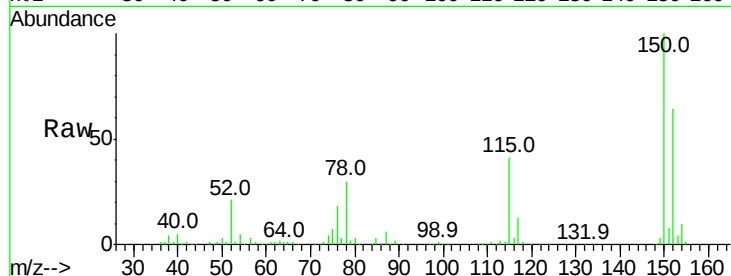
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.02 min
Lab File: BF097894.D
Acq: 19 Aug 2017 22:25

Instrument :
BNA_F
ClientSampleId :
OR-03-081617

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	126.2	189.2
115	64.3	52.2	78.2

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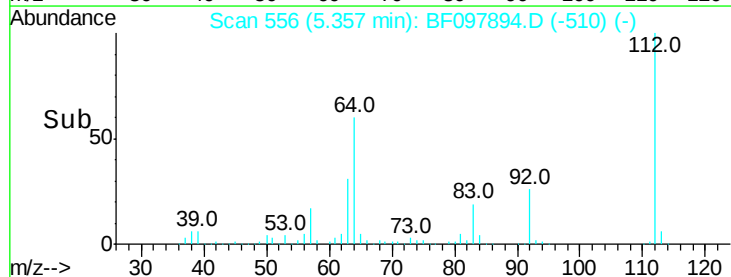
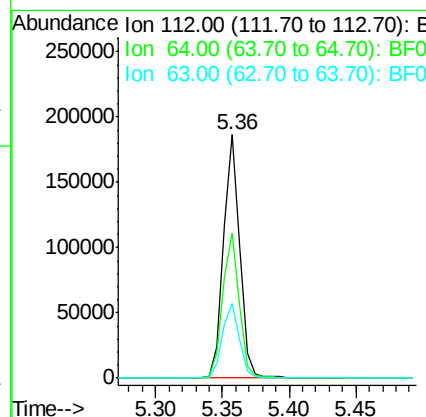
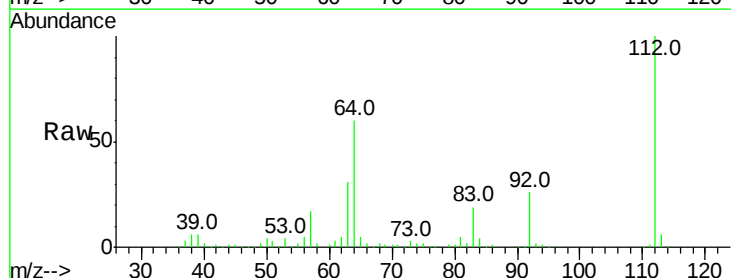
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#5

2-Fluorophenol
Concen: 16.040 ng
RT: 5.36 min Scan# 556
Delta R.T. -0.03 min
Lab File: BF097894.D
Acq: 19 Aug 2017 22:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.5	46.0	69.0
63	30.5	23.4	35.0





#7

Phenol-d6

Concen: 16.201 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.03 min

Lab File: BF097894.D

Acq: 19 Aug 2017 22:25

Instrument :

BNA_F

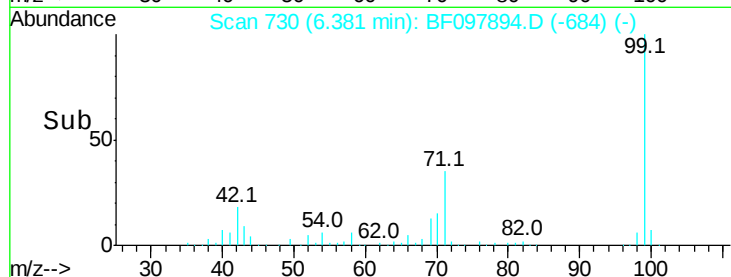
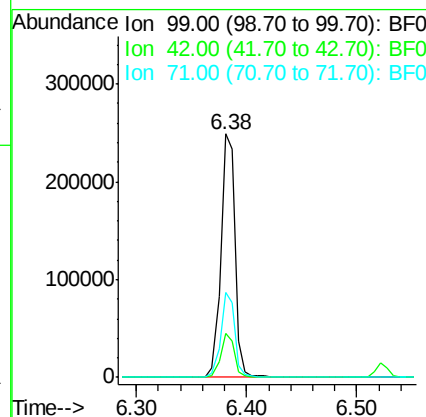
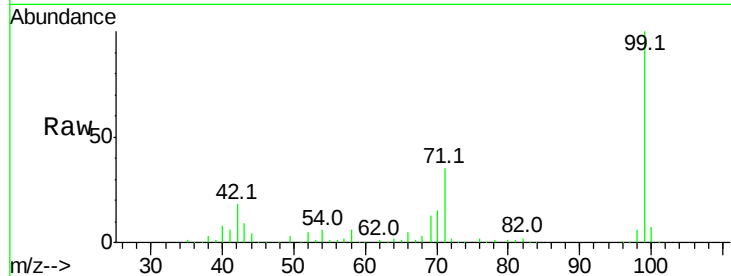
ClientSampleId :

OR-03-081617

Tot Ion:	99	Resp:	221415
Ion Ratio	Lower	Upper	
99	100		
42	17.9	13.5	20.3
71	35.1	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

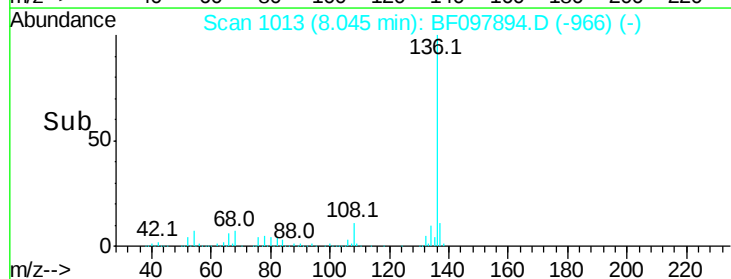
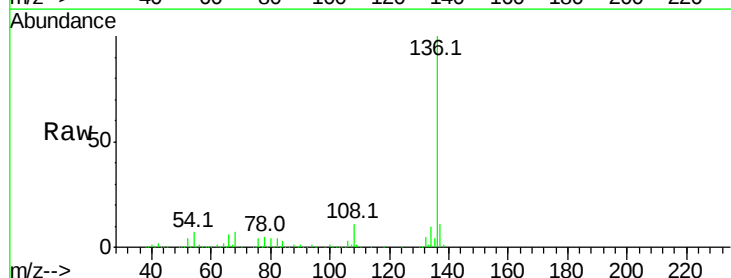
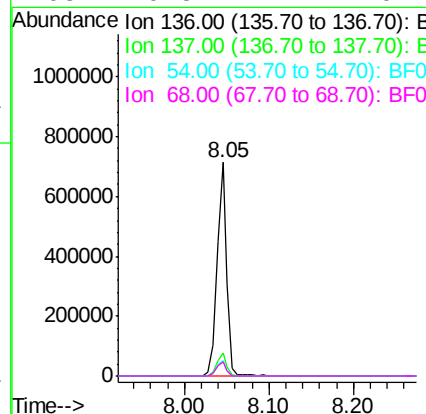
RT: 8.05 min Scan# 1013

Delta R.T. -0.02 min

Lab File: BF097894.D

Acq: 19 Aug 2017 22:25

Tgt Ion:	136	Resp:	579605
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.5	12.7
54	7.3	4.9	7.3
68	6.8	4.1	6.1#





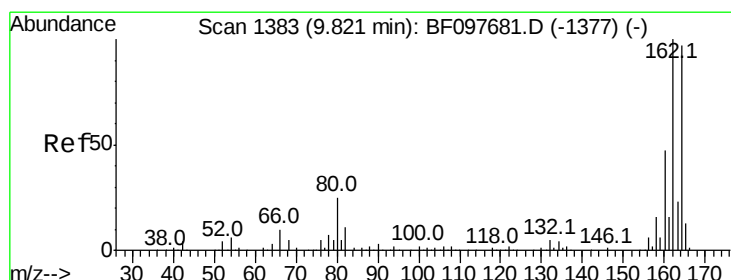
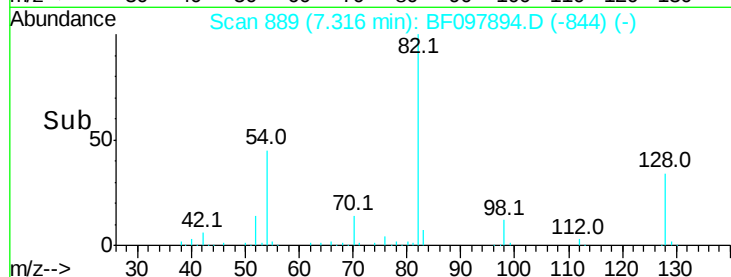
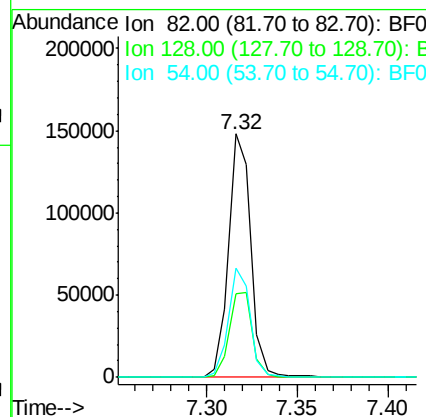
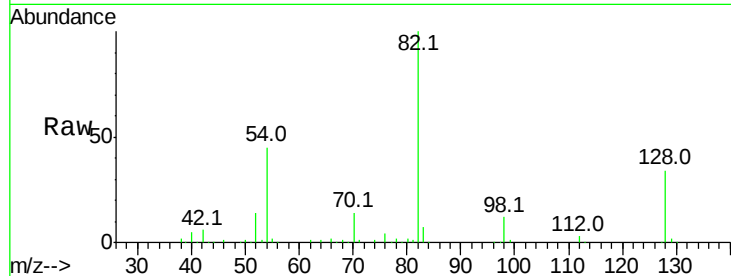
#23
Nitrobenzene-d5
Concen: 11.925 ng
RT: 7.32 min Scan# 889
Delta R.T. -0.04 min
Lab File: BF097894.D
Acq: 19 Aug 2017 22:25

Instrument :
BNA_F
ClientSampleId :
OR-03-081617

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	34.3	34.0	51.0	
54	45.0	42.2	63.2	

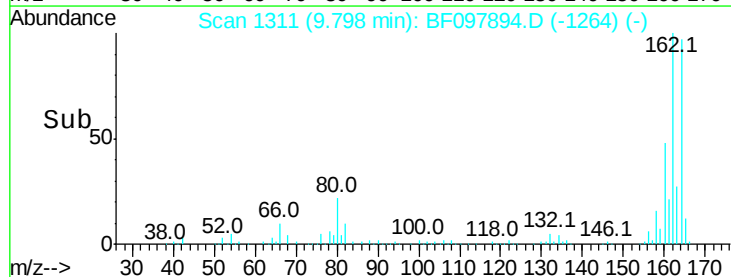
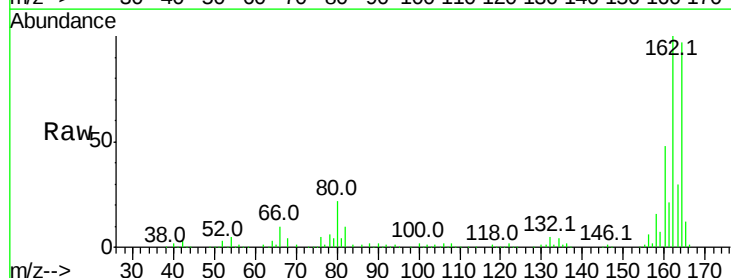
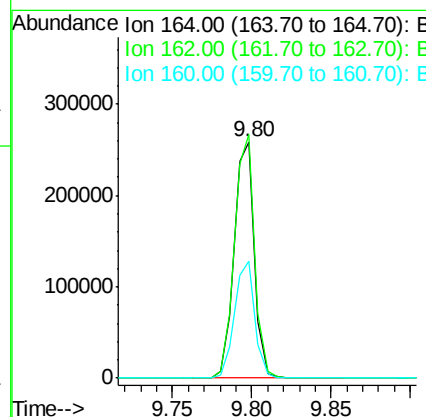
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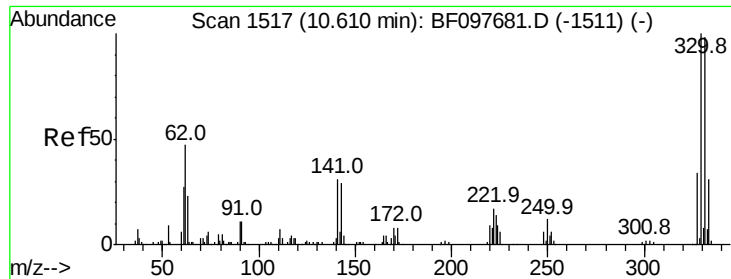
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.02 min
Lab File: BF097894.D
Acq: 19 Aug 2017 22:25

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.2	82.6	123.8	
160	49.5	36.2	54.2	





#41

2,4,6-Tribromophenol

Concen: 11.710 ng

RT: 10.58 min Scan# 1444

Delta R.T. -0.03 min

Lab File: BF097894.D

Acq: 19 Aug 2017 22:25

Instrument :

BNA_F

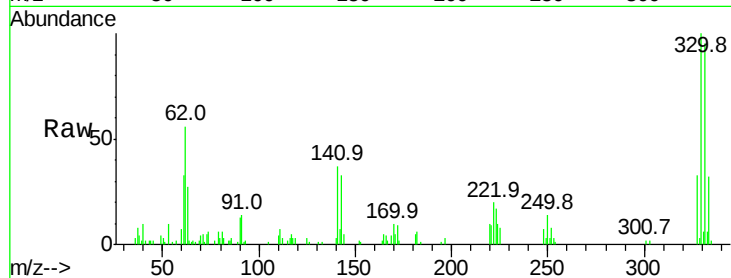
ClientSampleId :

OR-03-081617

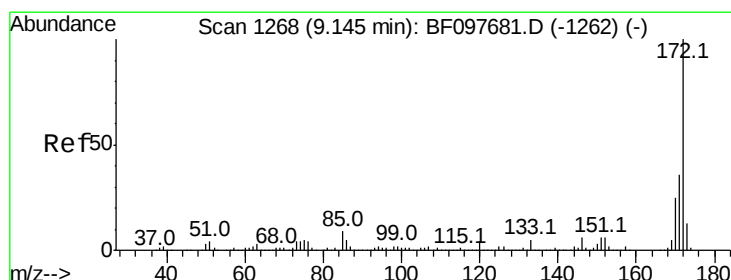
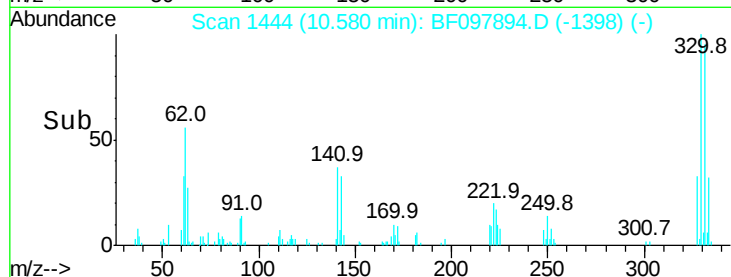
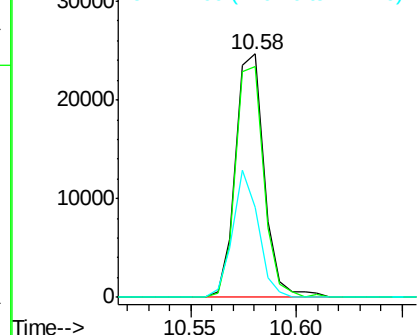
Tot Ion:	330	Resp:	23050
Ion Ratio	Lower	Upper	
330	100		
332	93.8	76.6	115.0
141	46.1	31.4	47.2

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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: 13.756 ng

RT: 9.12 min Scan# 1195

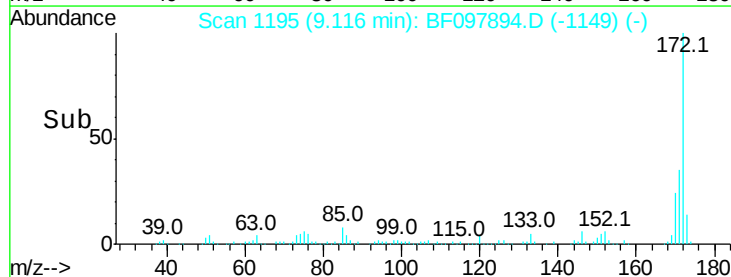
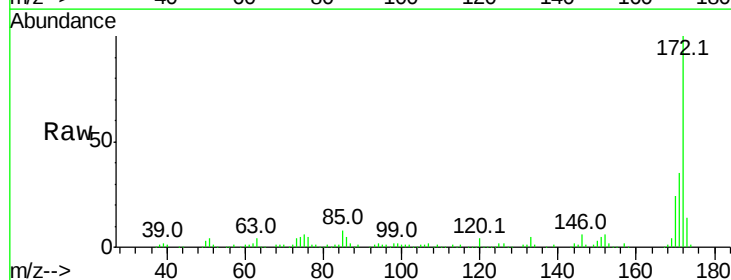
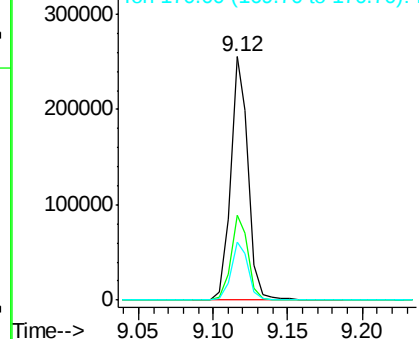
Delta R.T. -0.03 min

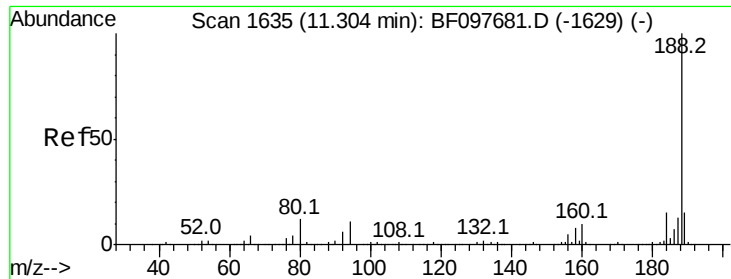
Lab File: BF097894.D

Acq: 19 Aug 2017 22:25

Tgt Ion:	172	Resp:	212413
Ion Ratio	Lower	Upper	
172	100		
171	35.1	29.6	44.4
170	24.1	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





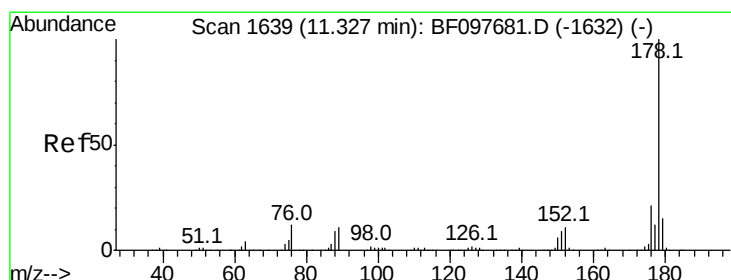
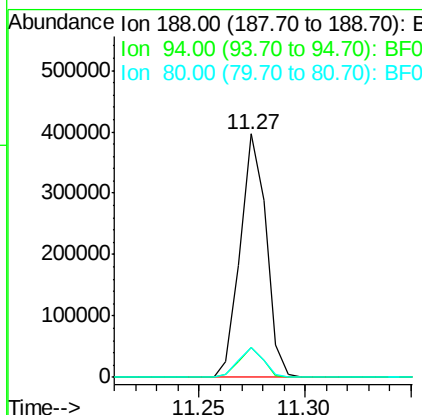
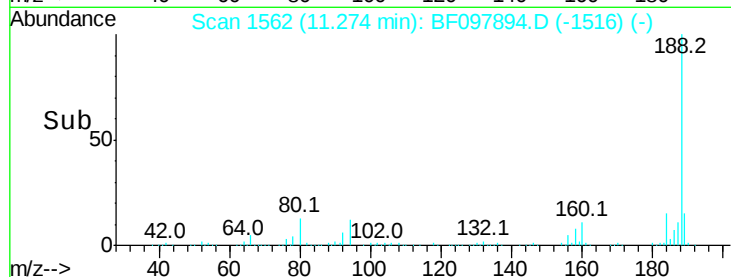
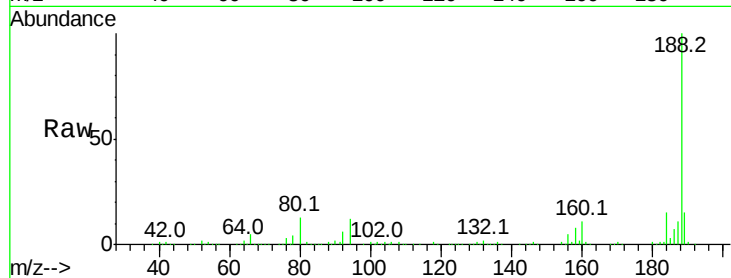
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.03 min
Lab File: BF097894.D
Acq: 19 Aug 2017 22:25

Instrument :
BNA_F
ClientSampleId :
OR-03-081617

Tot Ion	Ratio	Resp	Lower	Upper
188	100			
94	12.3	9.4	14.2	
80	12.5	10.2	15.2	

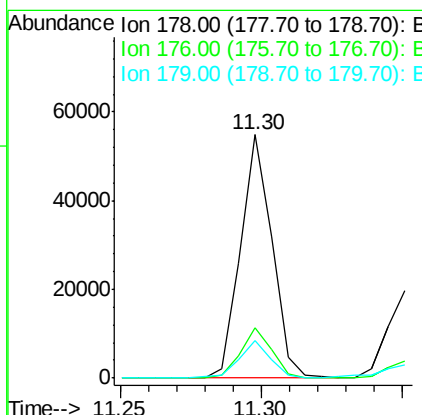
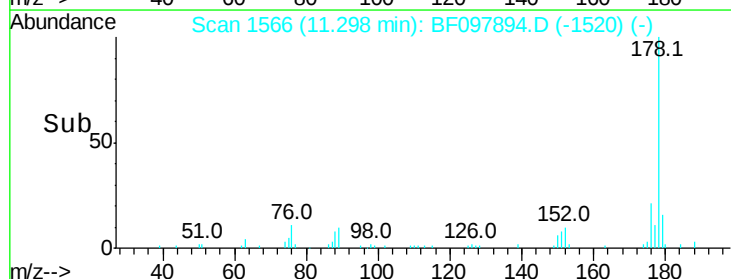
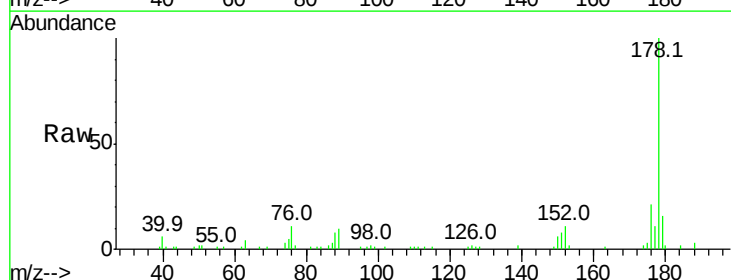
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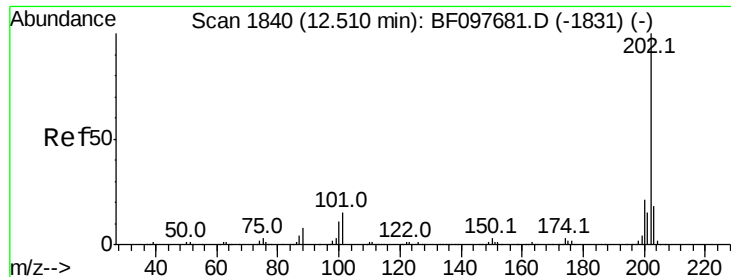
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#70
Phenanthrene
Concen: 2.357 ng
RT: 11.30 min Scan# 1566
Delta R.T. -0.03 min
Lab File: BF097894.D
Acq: 19 Aug 2017 22:25

Tgt Ion	Ratio	Resp	Lower	Upper
178	100			
176	20.8	16.2	24.4	
179	15.5	12.6	19.0	





#74

Fluoranthene

Concen: 4.598 ng

RT: 12.49 min Scan# 1768

Delta R.T. -0.02 min

Lab File: BF097894.D

Acq: 19 Aug 2017 22:25

Instrument :

BNA_F

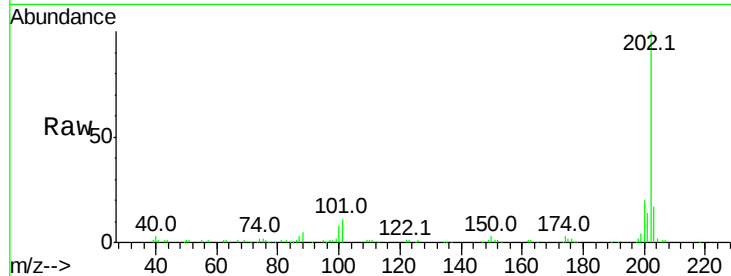
ClientSampleId :

OR-03-081617

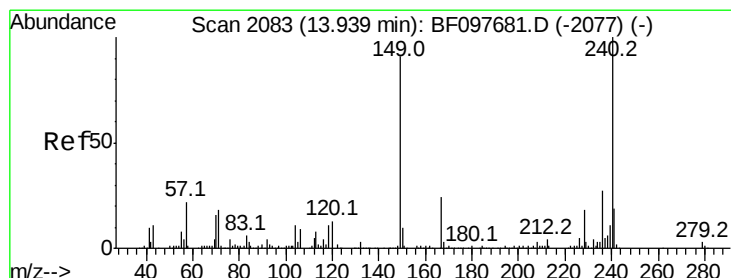
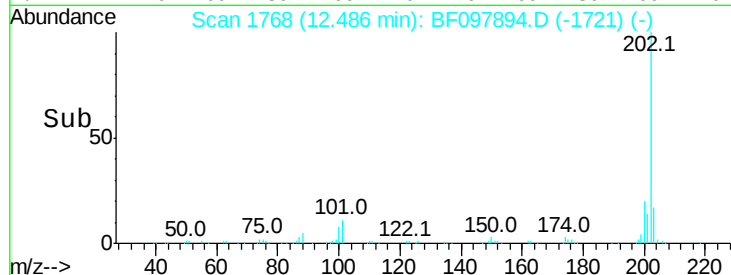
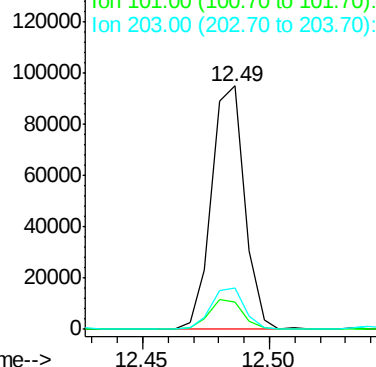
Tot Ion:	202	Resp:	86278
Ion Ratio	Lower	Upper	
202	100		
101	11.4	0.0	33.2
203	17.1	0.0	38.1

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

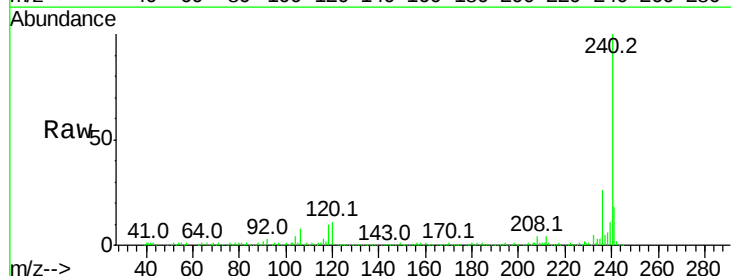
RT: 13.91 min Scan# 2010

Delta R.T. -0.03 min

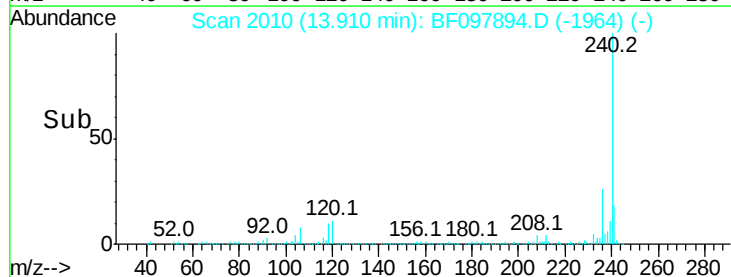
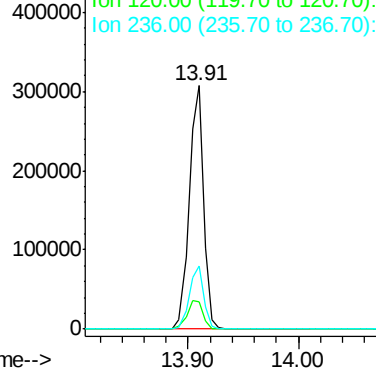
Lab File: BF097894.D

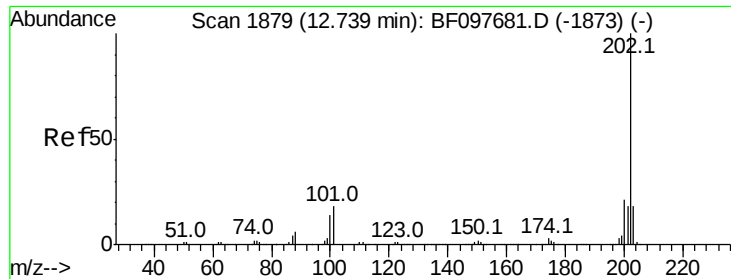
Acq: 19 Aug 2017 22:25

Tgt Ion:	240	Resp:	278573
Ion Ratio	Lower	Upper	
240	100		
120	11.4	5.8	8.8#
236	26.0	20.5	30.7



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





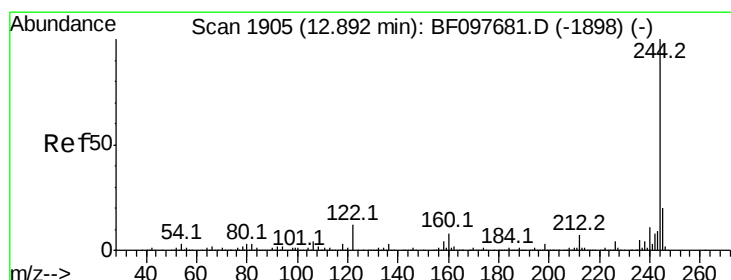
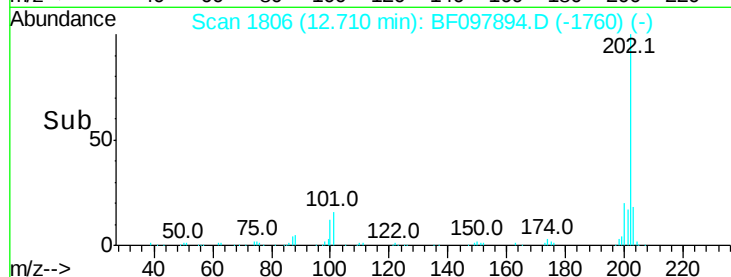
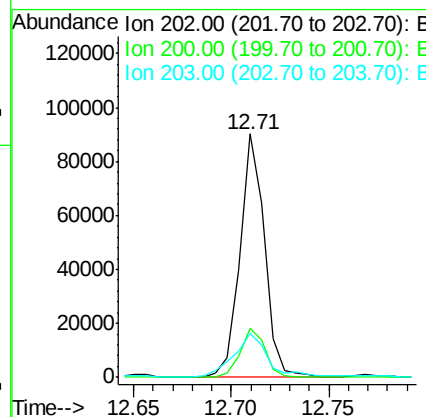
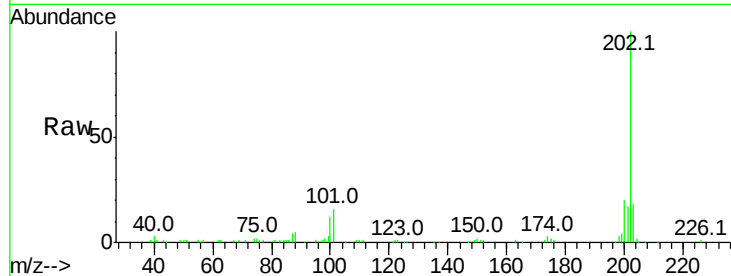
#77
Pvrene
Concen: 3.459 ng
RT: 12.71 min Scan# 1806
Delta R.T. -0.03 min
Lab File: BF097894.D
Acq: 19 Aug 2017 22:25

Instrument :
BNA_F
ClientSampleId :
OR-03-081617

Tot Ion	Ratio	Lower	Upper
202	100		
200	19.9	17.6	26.4
203	18.0	14.4	21.6

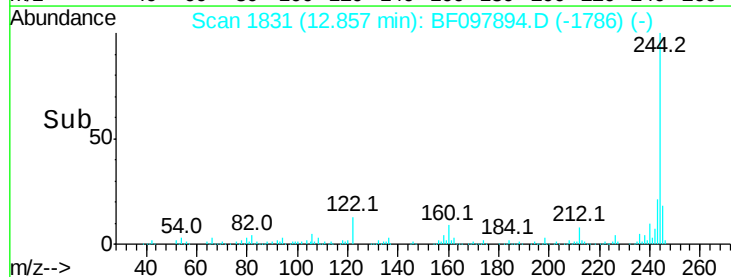
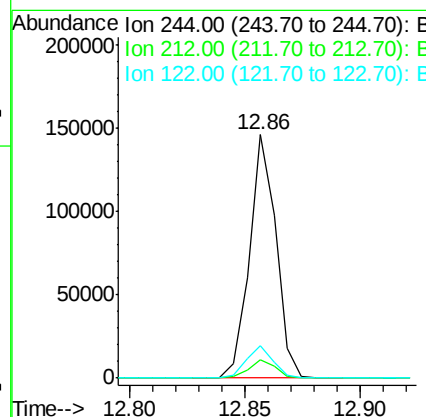
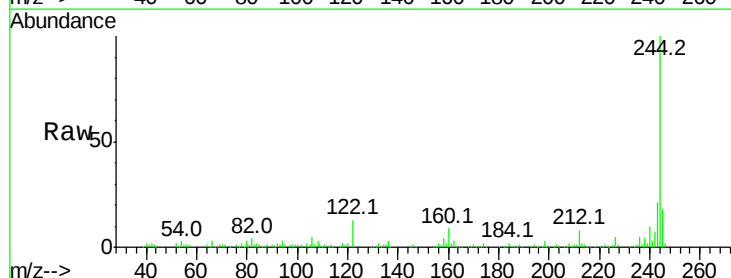
Manual Integrations
APPROVED

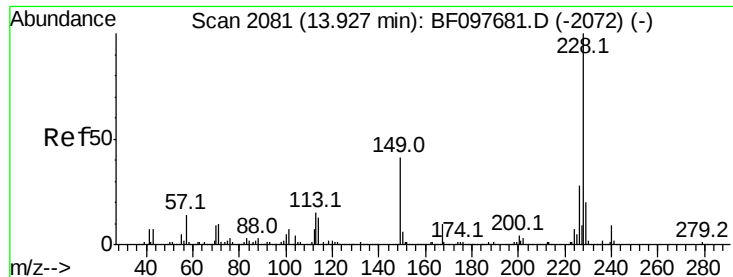
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#78
Terphenyl-d14
Concen: 8.790 ng
RT: 12.86 min Scan# 1831
Delta R.T. -0.04 min
Lab File: BF097894.D
Acq: 19 Aug 2017 22:25

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.0	9.0
122	13.4	10.3	15.5





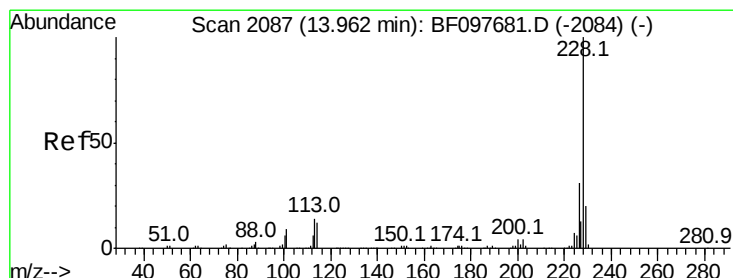
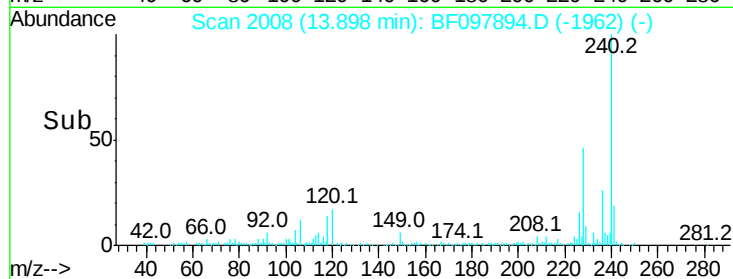
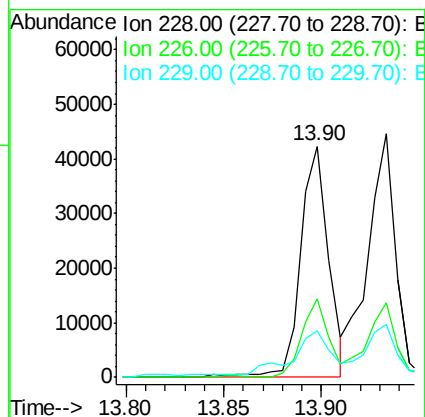
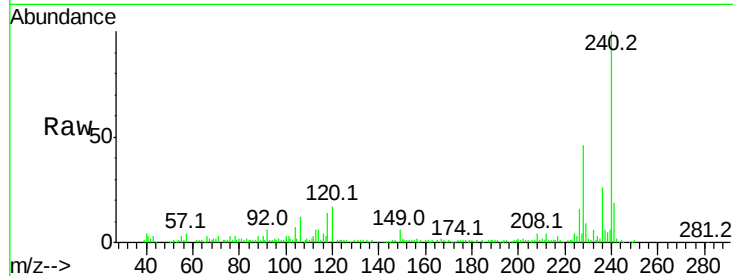
#80
Benzo(a)anthracene
Concen: 2.512 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.03 min
Lab File: BF097894.D
Acq: 19 Aug 2017 22:25

Instrument :
BNA_F
ClientSampleId :
OR-03-081617

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.8	22.6	33.8
229	20.1	16.3	24.5

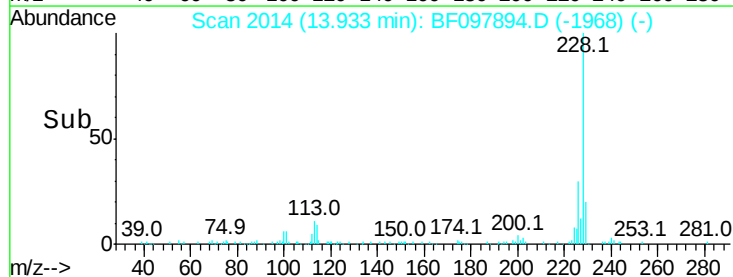
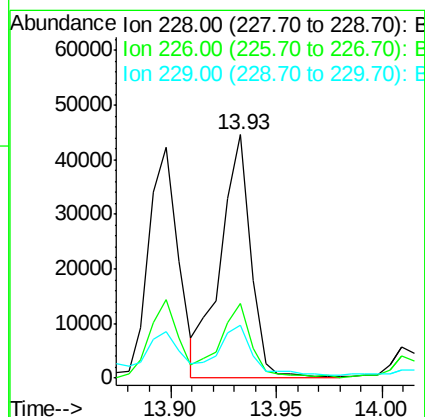
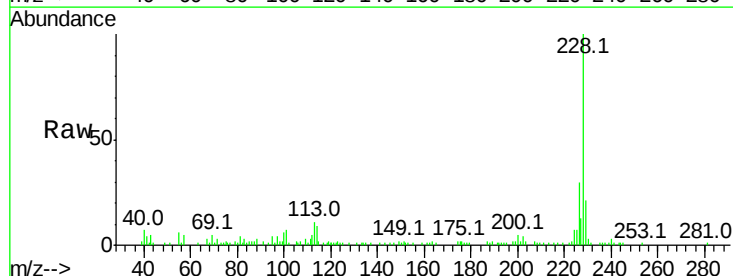
Manual Integrations
APPROVED

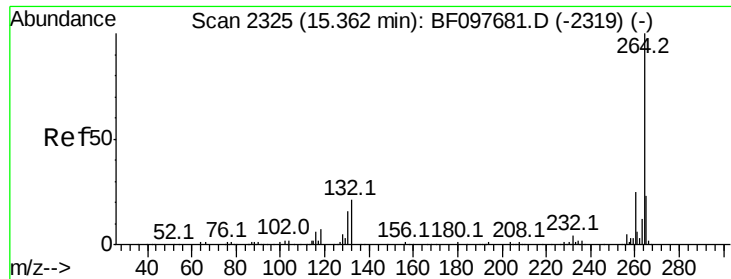
Sohil
8/21/2017 5:20:13 PM



#82
Chrysene
Concen: 2.691 ng
RT: 13.93 min Scan# 2014
Delta R.T. -0.03 min
Lab File: BF097894.D
Acq: 19 Aug 2017 22:25

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.9	37.3
229	21.5	15.8	23.6





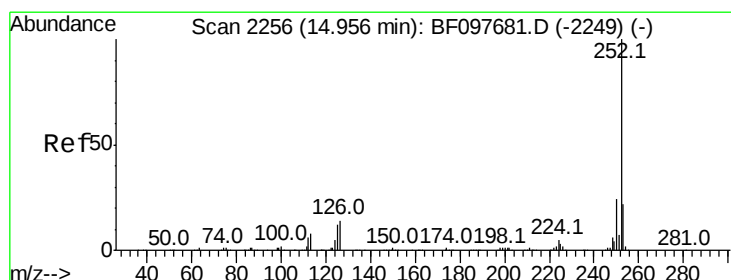
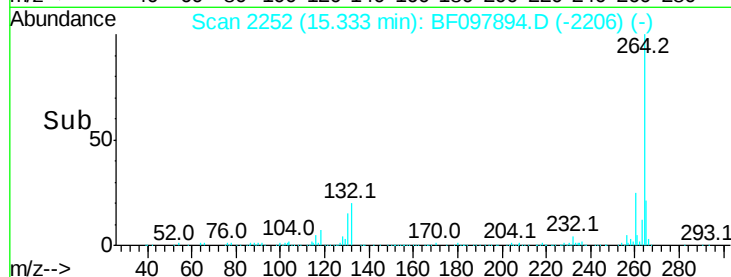
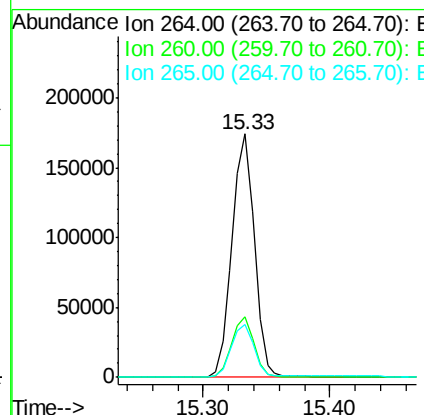
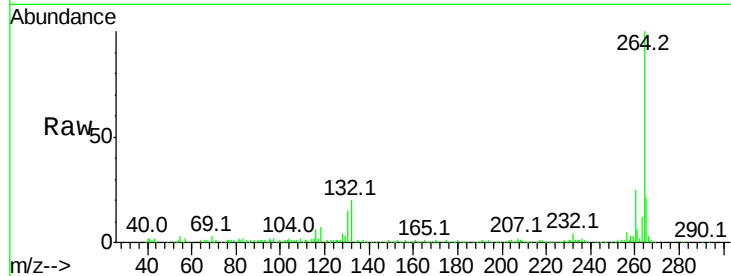
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2252
Delta R.T. -0.03 min
Lab File: BF097894.D
Acq: 19 Aug 2017 22:25

Instrument :
BNA_F
ClientSampleId :
OR-03-081617

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.5	29.3
265	21.5	17.2	25.8

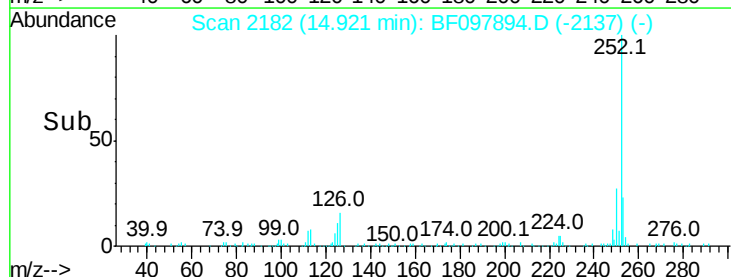
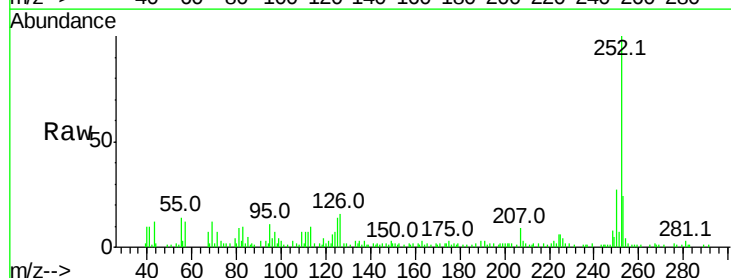
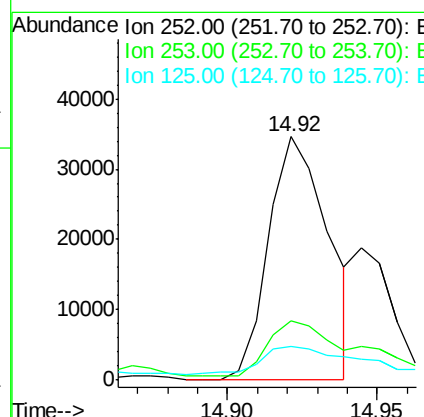
Manual Integrations
APPROVED

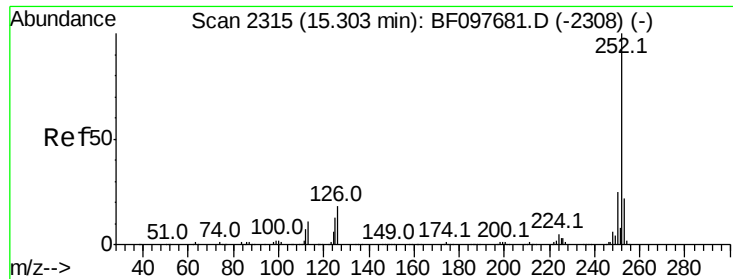
Sohil
8/21/2017 5:20:13 PM



#87
Benzo(b)fluoranthene
Concen: 3.582 ng m
RT: 14.92 min Scan# 2182
Delta R.T. -0.04 min
Lab File: BF097894.D
Acq: 19 Aug 2017 22:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.1	27.1
125	14.1	9.8	14.8





#89

Benzo(a)pyrene

Concen: 2.624 ng

RT: 15.27 min Scan# 2241

Delta R.T. -0.04 min

Lab File: BF097894.D

Acq: 19 Aug 2017 22:25

Instrument :

BNA_F

ClientSampleId :

OR-03-081617

Tot Ion:	252	Resp:	31334
Ion Ratio	Lower	Upper	
252	100		
253	25.2	17.5	26.3
125	15.9	11.0	16.4

Manual Integrations
APPROVED

Sohil
8/21/2017 5:20:13 PM

