

Data Path : Z:\HPCHEM1\BNA F\DATA\BF080517\
 Data File : BF097408.D
 Acq On : 5 Aug 2017 20:19
 Operator : SJ/JU
 Sample : I4611-07 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-080317-C

Manual Integrations
 APPROVED

Sohil
 8/7/2017 6:00:55 PM

Quant Time: Aug 06 05:03:12 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF072517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 01:17:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.43	152	94555	20.00	ng	-0.07
21) Naphthalene-d8	7.71	136	338394	20.00	ng	-0.08
38) Acenaphthene-d10	9.45	164	132522	20.00	ng	-0.08
63) Phenanthrene-d10	10.92	188	188505	20.00	ng	-0.08
75) Chrysene-d12	13.55	240	176204	20.00	ng	-0.08
86) Perylene-d12	14.89	264	119125	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	5.03	112	128559	20.50	ng	-0.07
7) Phenol-d6	6.10	99	175602	24.52	ng	-0.06
23) Nitrobenzene-d5	7.00	82	73612	12.76	ng	-0.08
41) 2,4,6-Tribromophenol	10.24	330	20888	19.95	ng	-0.08
44) 2-Fluorobiphenyl	8.79	172	135153	17.31	ng	-0.08
78) Terphenyl-d14	12.50	244	93647	10.84	ng	-0.08
Target Compounds						
74) Fluoranthene	12.13	202	64105	6.479	ng	Qvalue 99
77) Pyrene	12.35	202	94104	6.524	ng	99
80) Benzo(a)anthracene	13.54	228	61215	5.369	ng	96
82) Chrysene	13.57	228	57610	5.175	ng	97
85) Indeno(1,2,3-cd)pyrene	16.09	276	19444	2.037	ng	93
87) Benzo(b)fluoranthene	14.54	252	51880m	7.245	ng	
88) Benzo(k)fluoranthene	14.56	252	19157m	2.807	ng	
89) Benzo(a)pyrene	14.84	252	39340	6.003	ng	# 91
91) Benzo(g,h,i)perylene	16.44	276	22871	4.058	ng	97

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

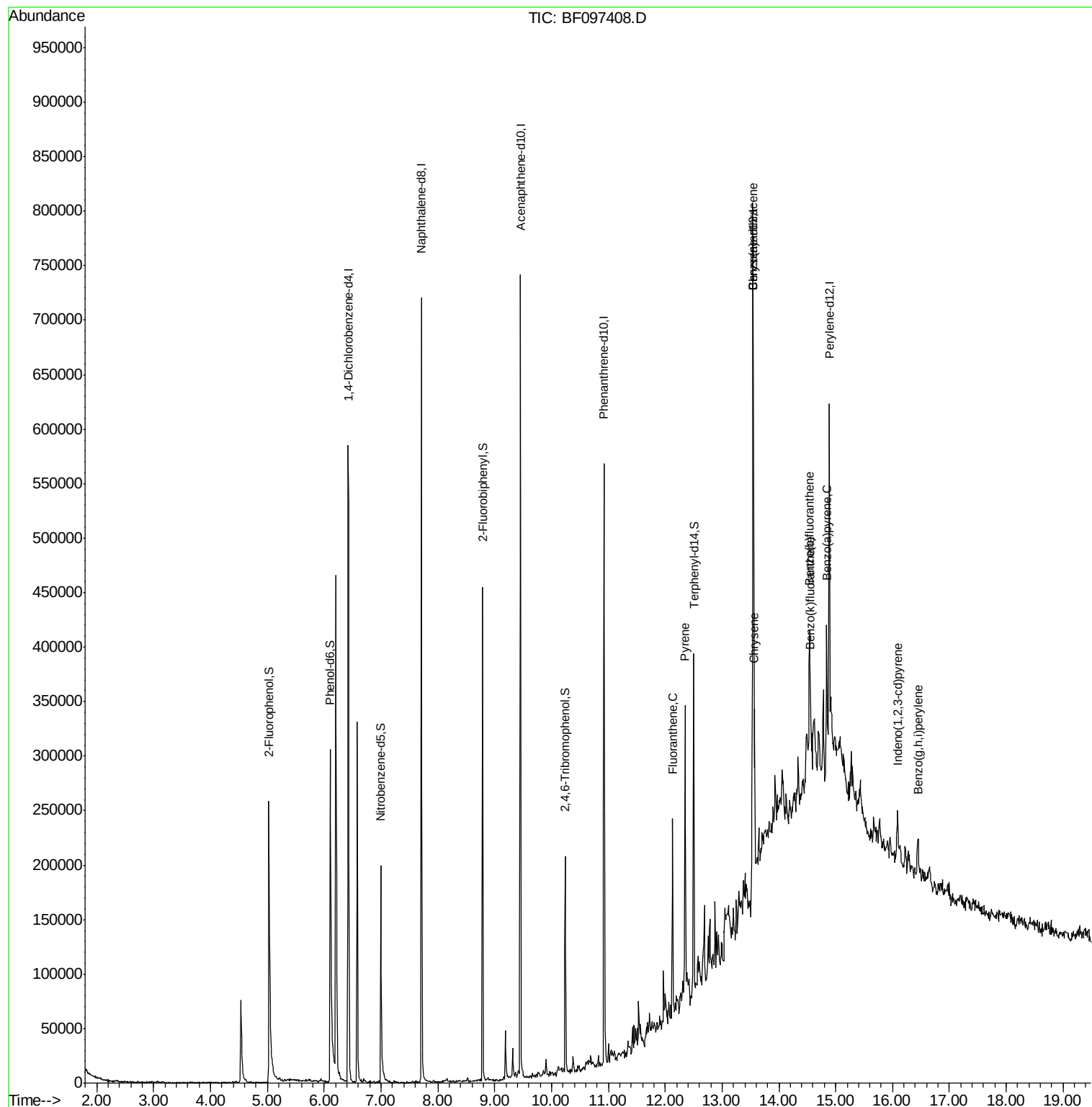
Data Path : Z:\HPCHEM1\BNA F\DATA\BF080517\
Data File : BF097408.D
Acq On : 5 Aug 2017 20:19
Operator : SJ/JU
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Misc :
ALS Vial : 19 Sample Multiplier: 1

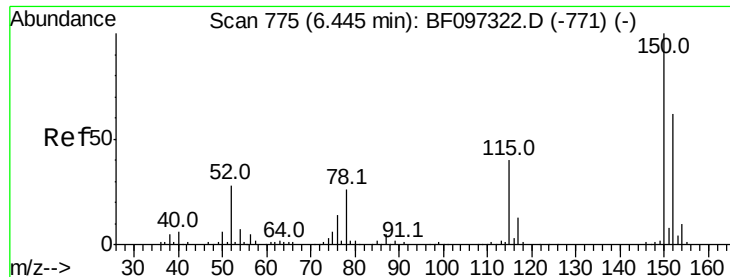
Instrument :
BNA_F
ClientSampleId :
EO-01-080317-C

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#1

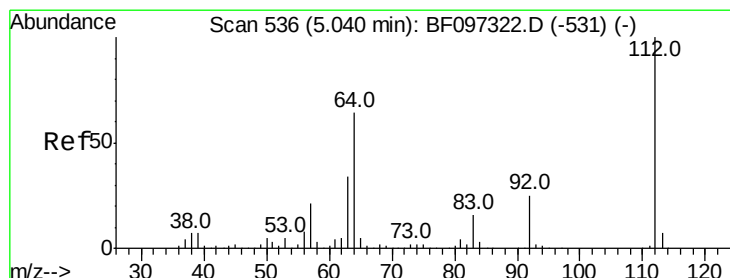
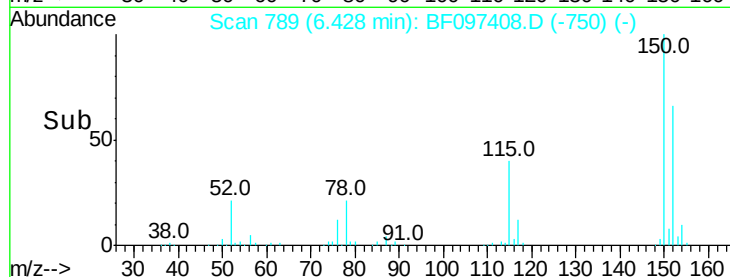
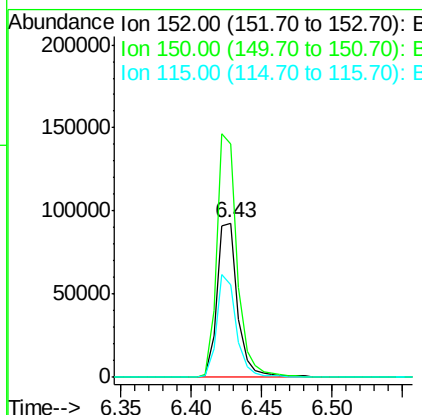
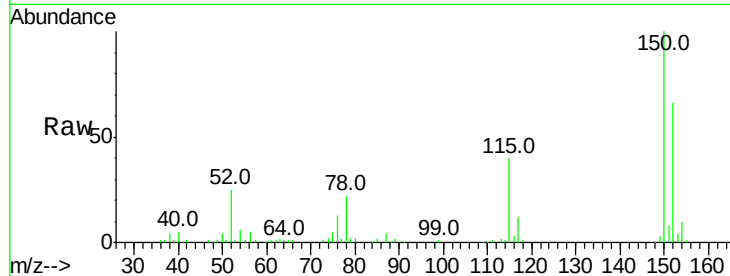
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.43 min Scan# 789
Delta R.T. -0.07 min
Lab File: BF097408.D
Acq: 5 Aug 2017 20:19

Instrument :
BNA_F
ClientSampleId :
EO-01-080317-C

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.2	126.2	189.2
115	60.4	52.2	78.2

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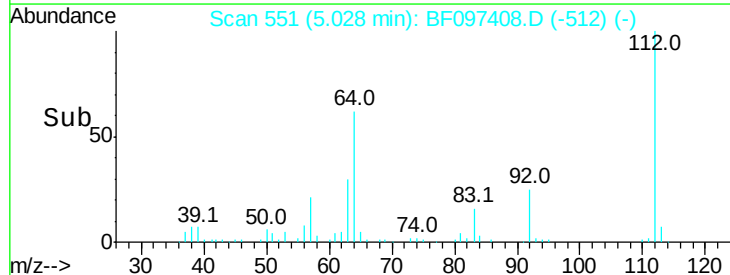
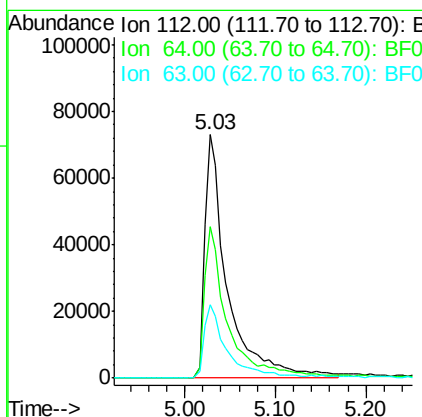
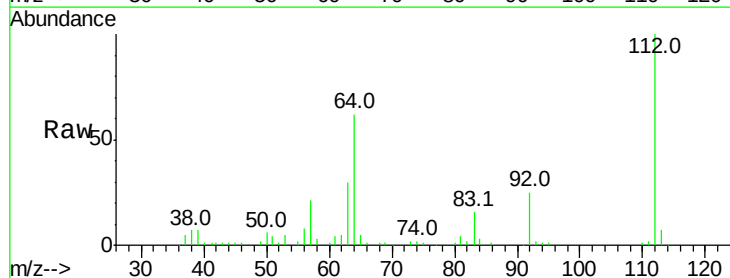
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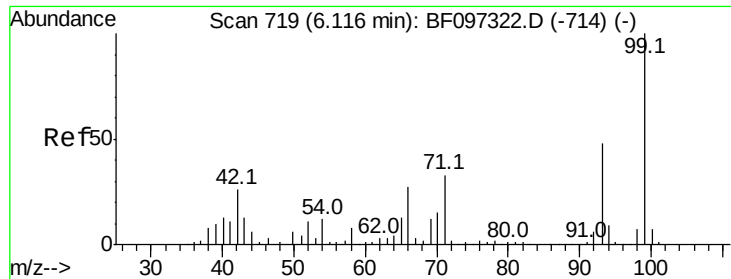


#5

2-Fluorophenol
Concen: 20.496 ng
RT: 5.03 min Scan# 551
Delta R.T. -0.07 min
Lab File: BF097408.D
Acq: 5 Aug 2017 20:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.1	46.0	69.0
63	30.1	23.4	35.0





#7

Phenol-d6

Concen: 24.523 ng

RT: 6.10 min Scan# 734

Delta R.T. -0.06 min

Lab File: BF097408.D

Acq: 5 Aug 2017 20:19

Instrument :

BNA_F

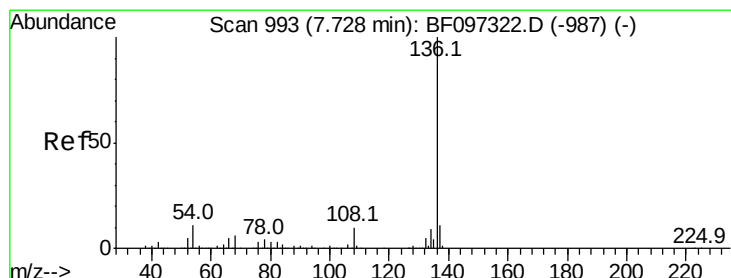
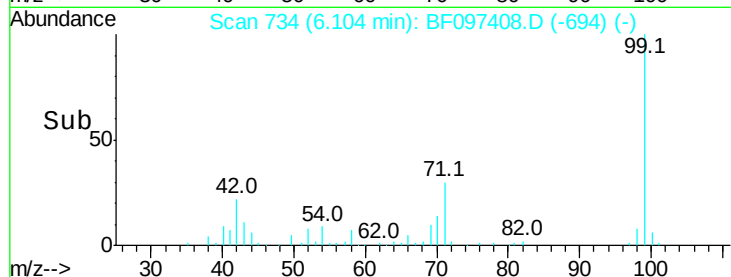
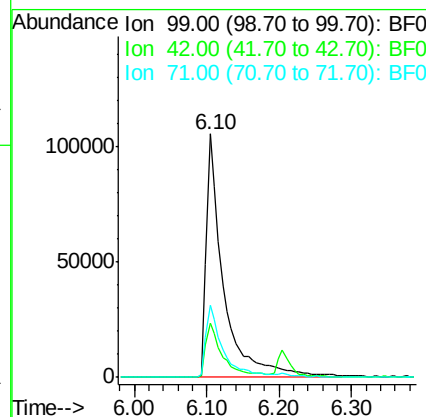
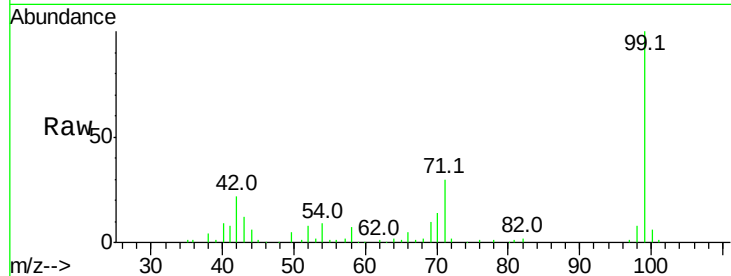
ClientSampleId :

EO-01-080317-C

Tot Ion:	99	Resp:	175602
Ion Ratio	Lower	Upper	
99	100		
42	22.5	13.5	20.3#
71	29.7	24.5	36.7

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#21

Naphthalene-d8

Concen: 20.000 ng

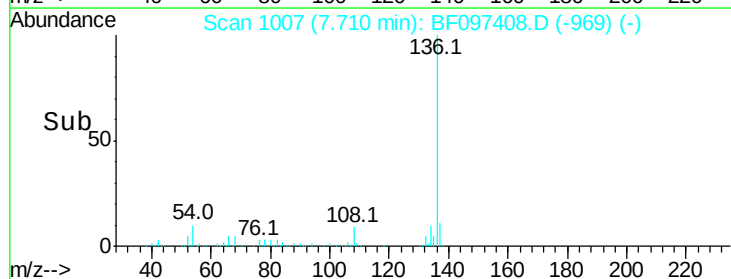
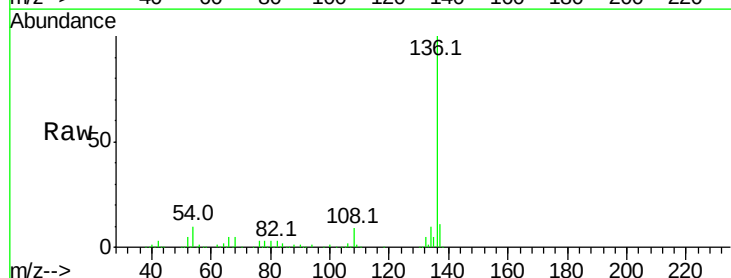
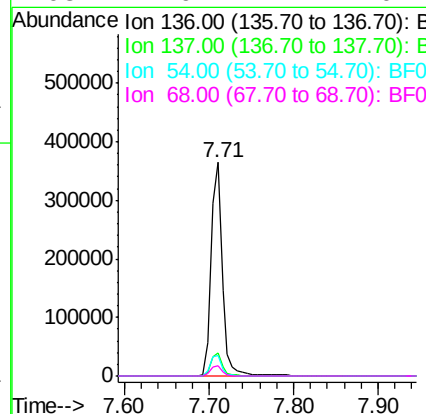
RT: 7.71 min Scan# 1007

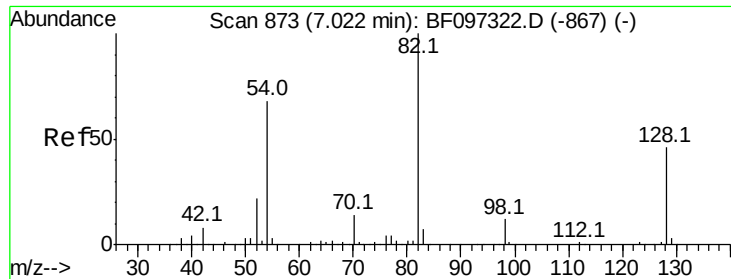
Delta R.T. -0.08 min

Lab File: BF097408.D

Acq: 5 Aug 2017 20:19

Tgt Ion:	136	Resp:	338394
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.5	12.7
54	9.6	4.9	7.3#
68	4.9	4.1	6.1





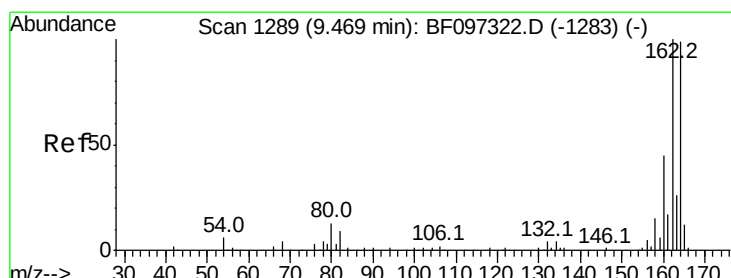
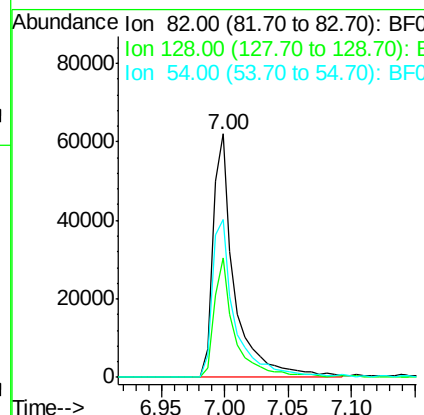
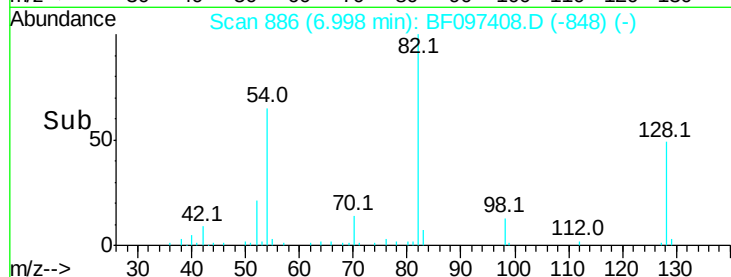
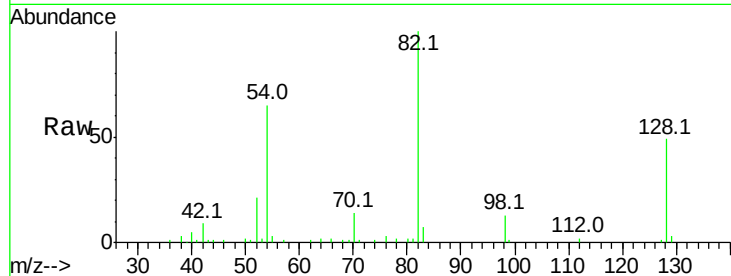
#23
 Nitrobenzene-d5
 Concen: 12.761 ng
 RT: 7.00 min Scan# 886
 Delta R.T. -0.08 min
 Lab File: BF097408.D
 Acq: 5 Aug 2017 20:19

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-080317-C

Tot Ion	Ratio	Lower	Upper
82	100		
128	49.2	34.0	51.0
54	64.8	42.2	63.2

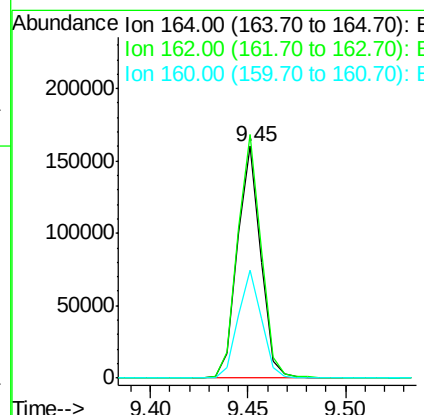
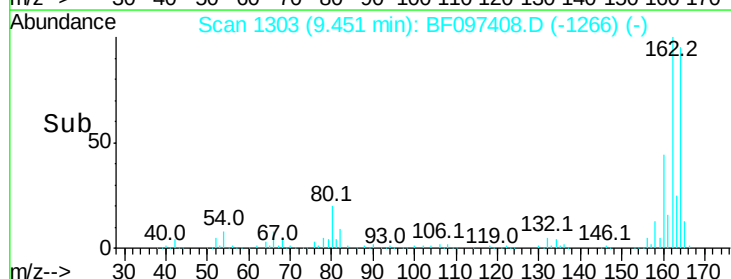
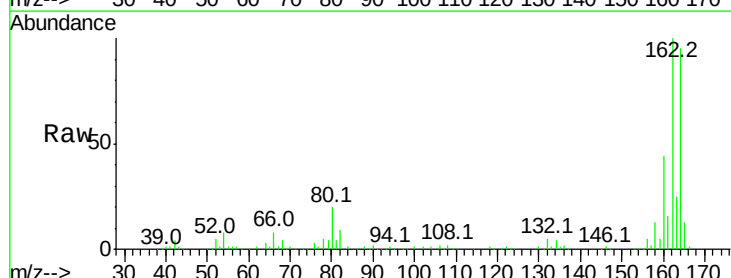
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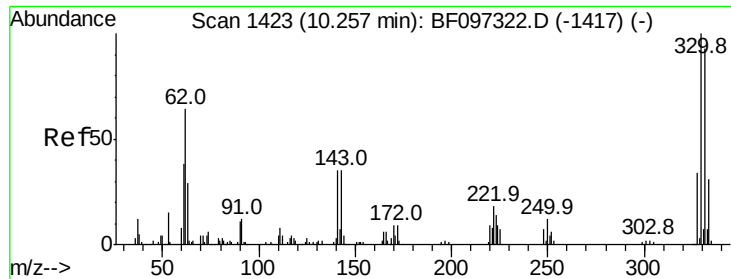
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.45 min Scan# 1303
 Delta R.T. -0.08 min
 Lab File: BF097408.D
 Acq: 5 Aug 2017 20:19

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.0	82.6	123.8
160	46.6	36.2	54.2





#41

2,4,6-Tribromophenol

Concen: 19.949 ng

RT: 10.24 min Scan# 1437

Delta R.T. -0.08 min

Lab File: BF097408.D

Acq: 5 Aug 2017 20:19

Instrument :

BNA_F

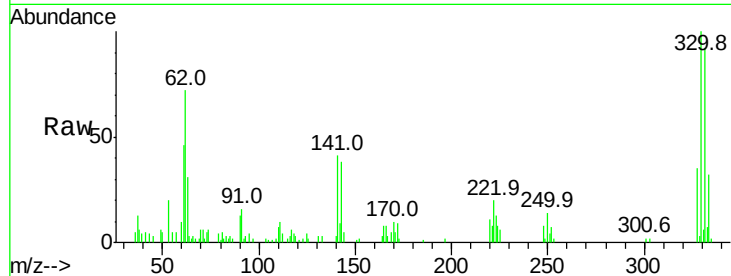
ClientSampleId :

EO-01-080317-C

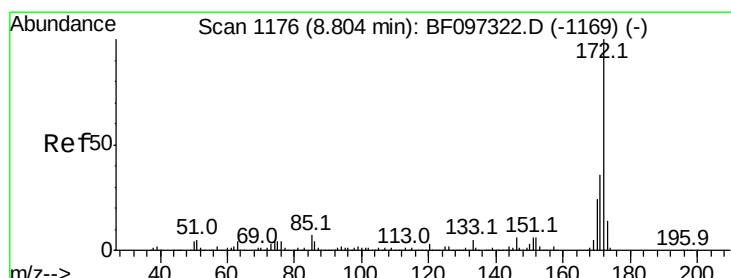
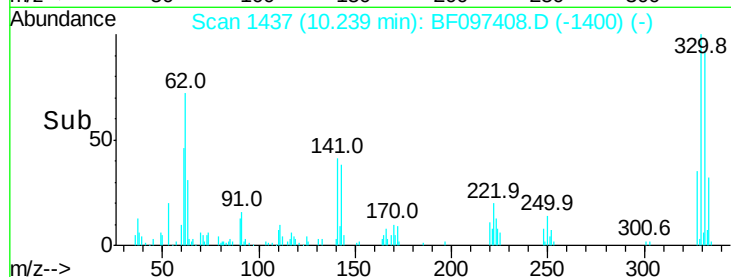
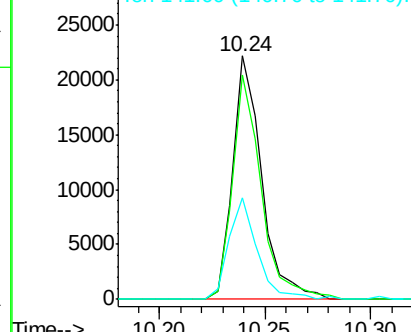
Tot Ion:	330	Resp:	20888
Ion Ratio	Lower	Upper	
330	100		
332	91.5	76.6	115.0
141	41.4	31.4	47.2

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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: 17.308 ng

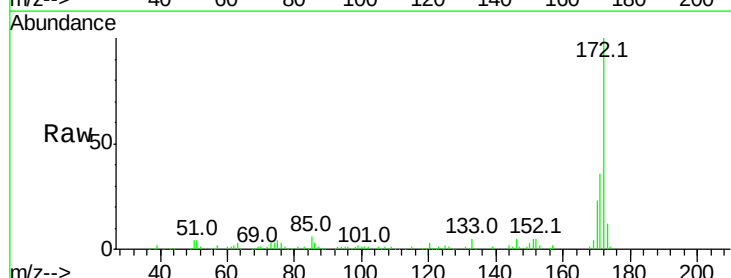
RT: 8.79 min Scan# 1190

Delta R.T. -0.08 min

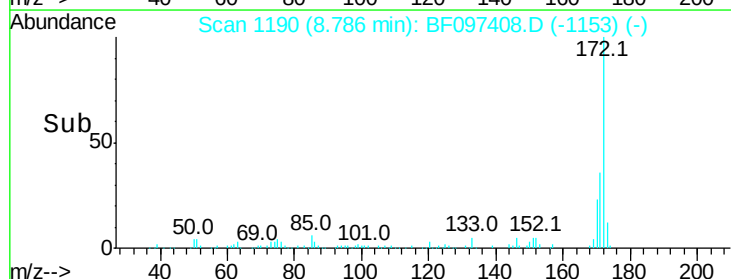
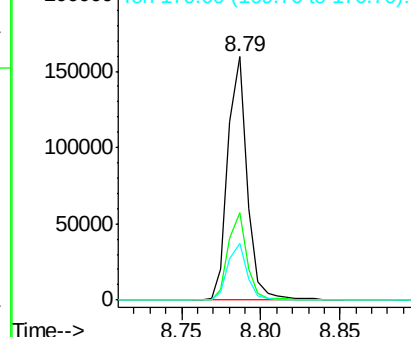
Lab File: BF097408.D

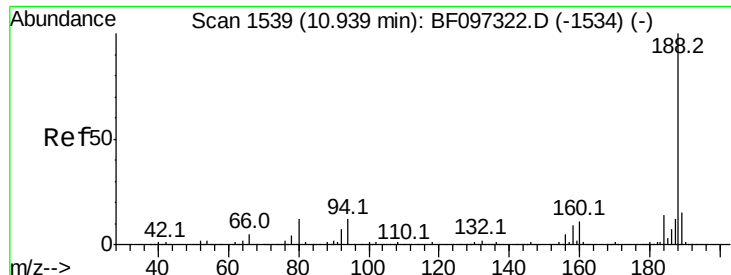
Acq: 5 Aug 2017 20:19

Tgt Ion:	172	Resp:	135153
Ion Ratio	Lower	Upper	
172	100		
171	35.8	29.6	44.4
170	23.3	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





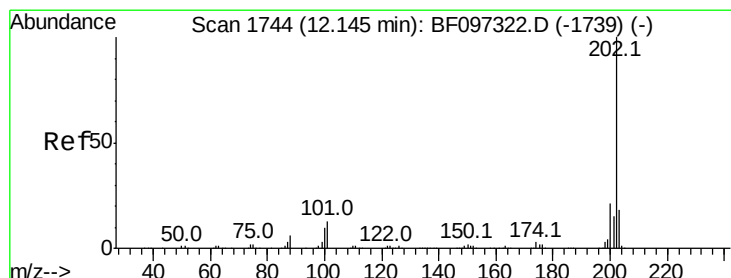
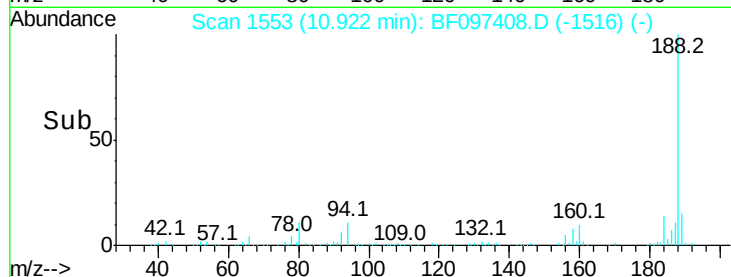
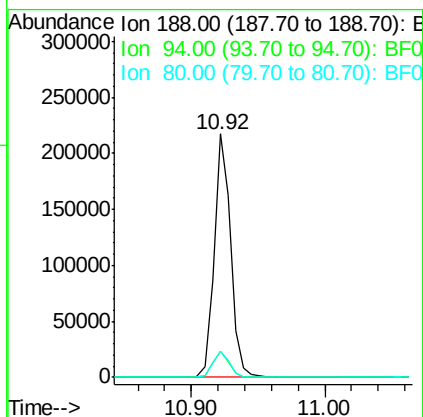
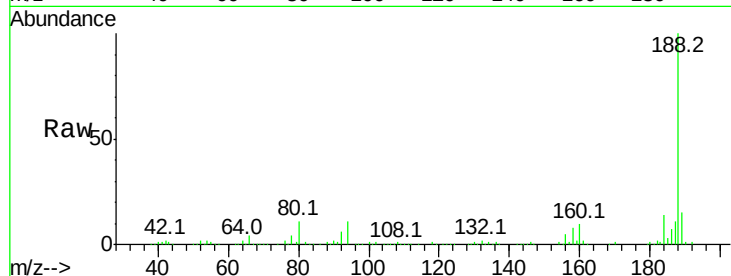
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 10.92 min Scan# 1553
Delta R.T. -0.08 min
Lab File: BF097408.D
Acq: 5 Aug 2017 20:19

Instrument :
BNA_F
ClientSampleId :
EO-01-080317-C

Tot Ion	Ratio	Resp	Lower	Upper
188	100	188505		
94	10.9		9.4	14.2
80	10.9		10.2	15.2

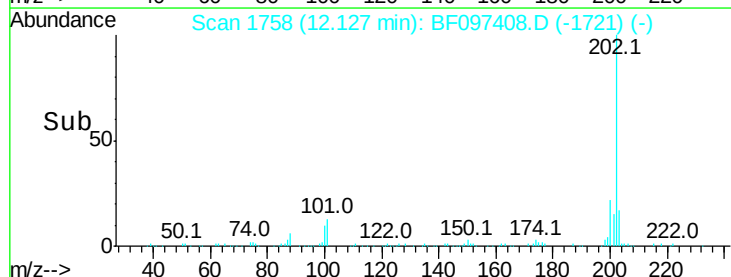
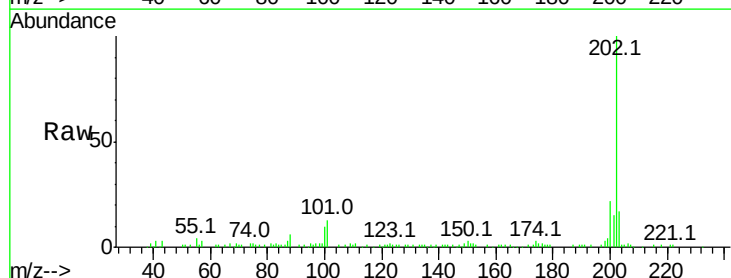
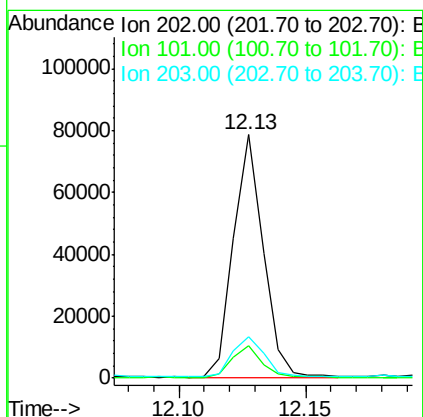
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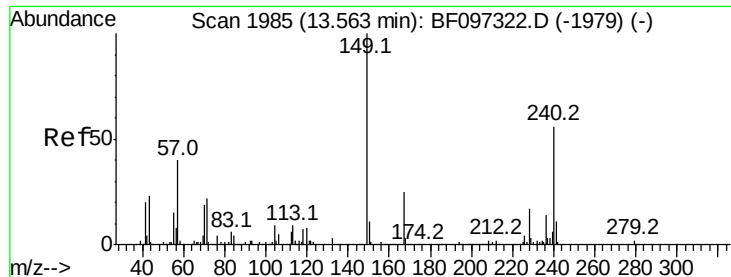
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#74
Fluoranthene
Concen: 6.479 ng
RT: 12.13 min Scan# 1758
Delta R.T. -0.08 min
Lab File: BF097408.D
Acq: 5 Aug 2017 20:19

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	64105		
101	13.2		0.0	33.2
203	17.0		0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.55 min Scan# 1999

Delta R.T. -0.08 min

Lab File: BF097408.D

Acq: 5 Aug 2017 20:19

Instrument :

BNA_F

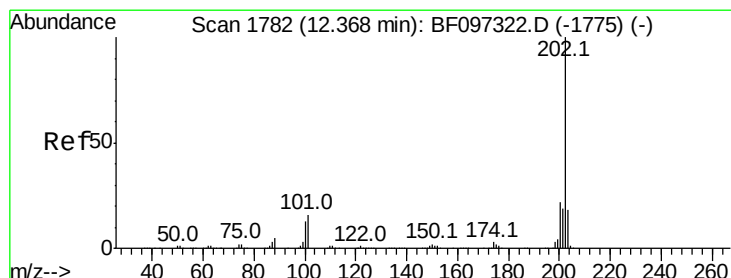
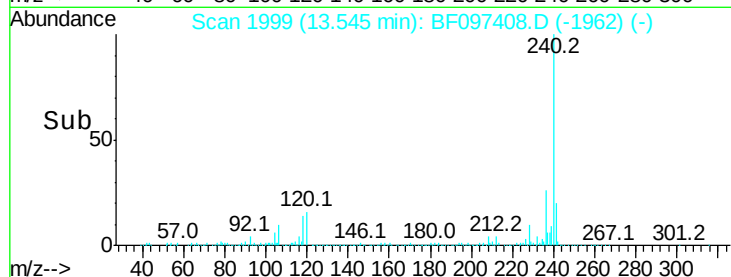
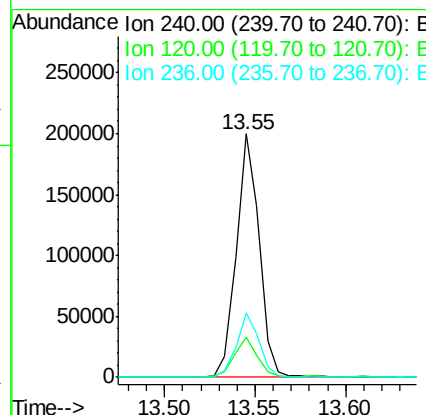
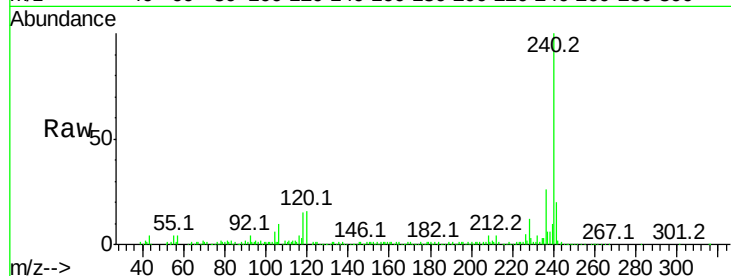
ClientSampled :

EO-01-080317-C

Tot Ion	Ratio	Lower	Upper
240	100		
120	16.4	5.8	8.8#
236	26.5	20.5	30.7

Manual Integrations
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#77

Pyrene

Concen: 6.524 ng

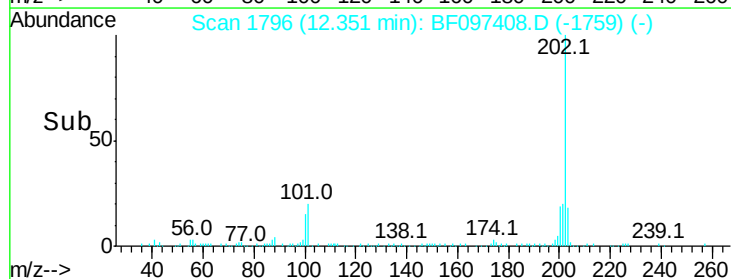
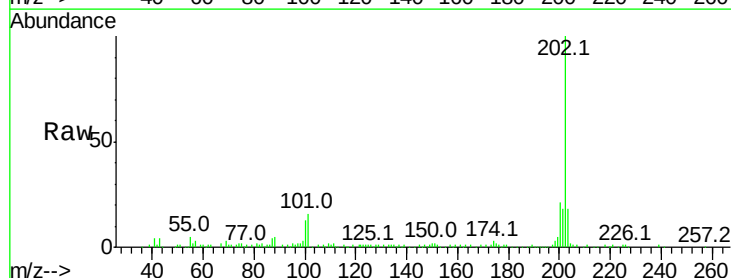
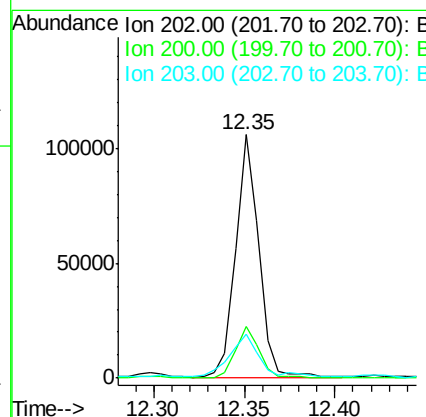
RT: 12.35 min Scan# 1796

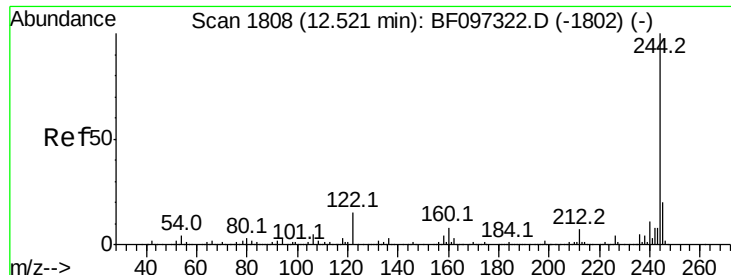
Delta R.T. -0.08 min

Lab File: BF097408.D

Acq: 5 Aug 2017 20:19

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.6	26.4
203	18.3	14.4	21.6





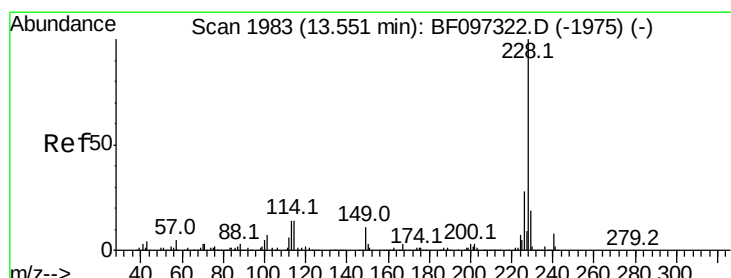
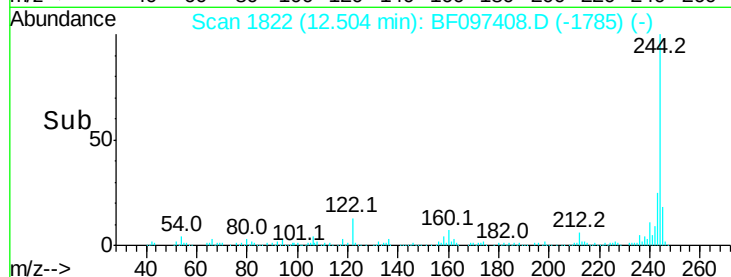
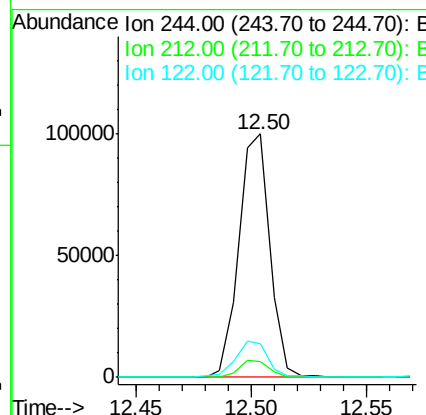
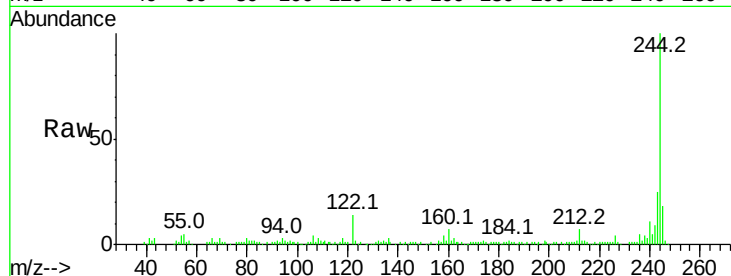
#78
 Terphenyl-d14
 Concen: 10.836 ng
 RT: 12.50 min Scan# 1822
 Delta R.T. -0.08 min
 Lab File: BF097408.D
 Acq: 5 Aug 2017 20:19

Instrument :
 BNA_F
 ClientSampleId :
 EO-01-080317-C

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	6.0	9.0
122	13.7	10.3	15.5

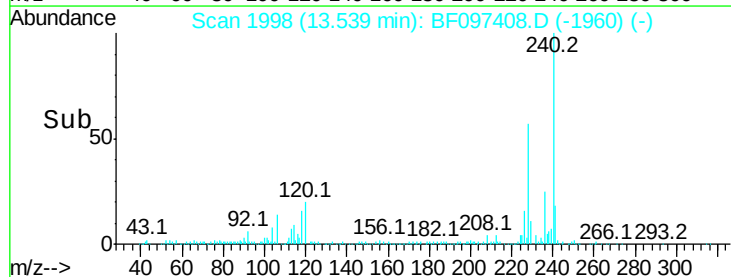
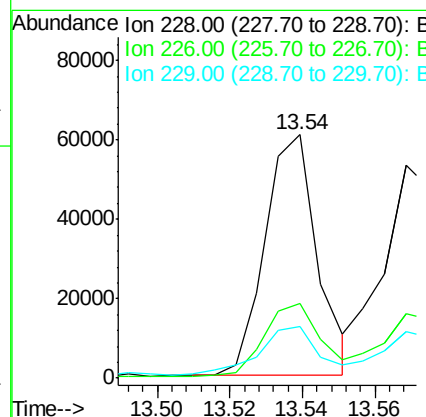
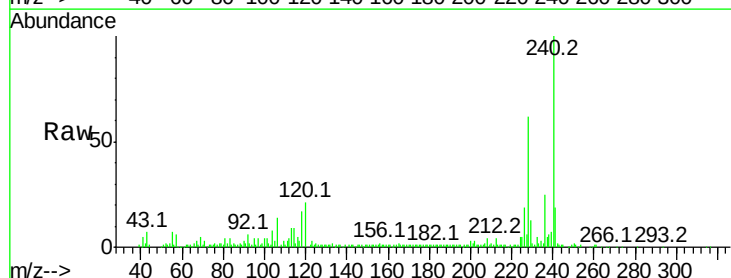
Manual Integrations
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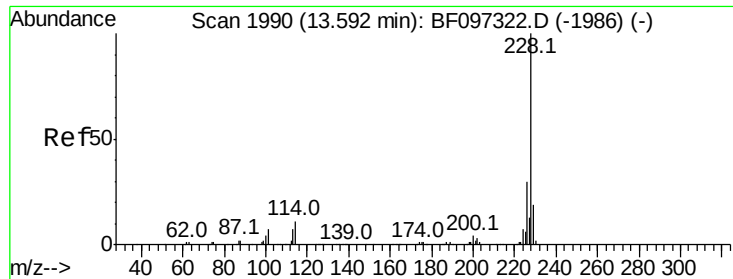
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#80
 Benzo(a)anthracene
 Concen: 5.369 ng
 RT: 13.54 min Scan# 1998
 Delta R.T. -0.08 min
 Lab File: BF097408.D
 Acq: 5 Aug 2017 20:19

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	22.6	33.8
229	21.3	16.3	24.5





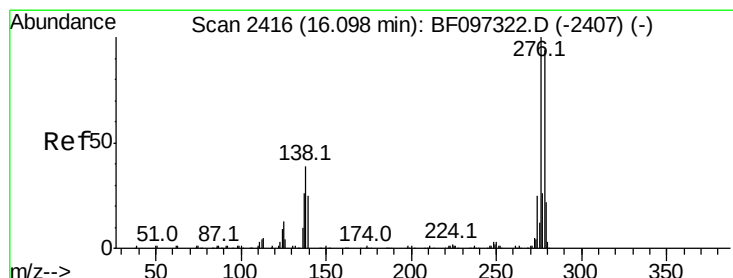
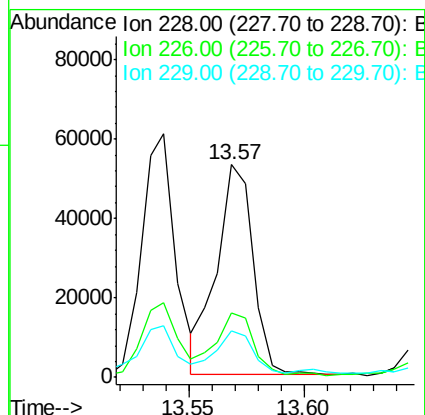
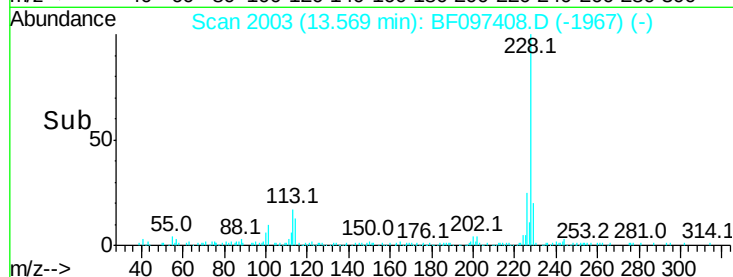
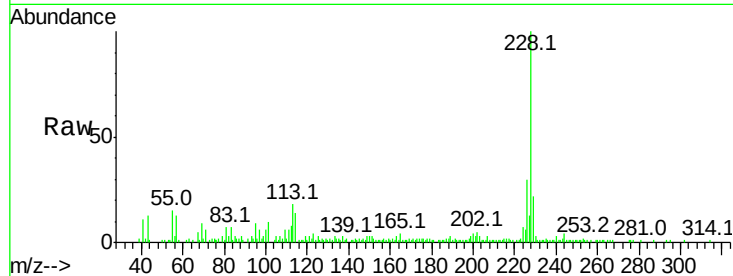
#82
Chrysene
Concen: 5.175 ng
RT: 13.57 min Scan# 2003
Delta R.T. -0.09 min
Lab File: BF097408.D
Acq: 5 Aug 2017 20:19

Instrument :
BNA_F
ClientSampleId :
EO-01-080317-C

Tot Ion:	228	Resp:	57610
Ion Ratio	Lower	Upper	
228	100		
226	30.2	24.9	37.3
229	22.0	15.8	23.6

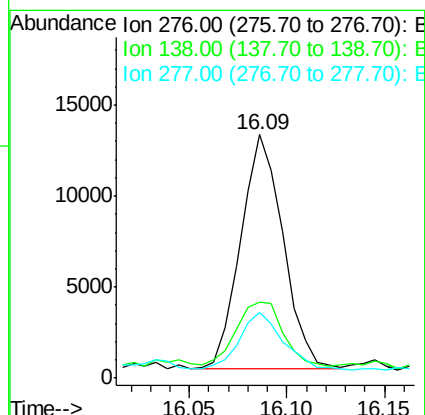
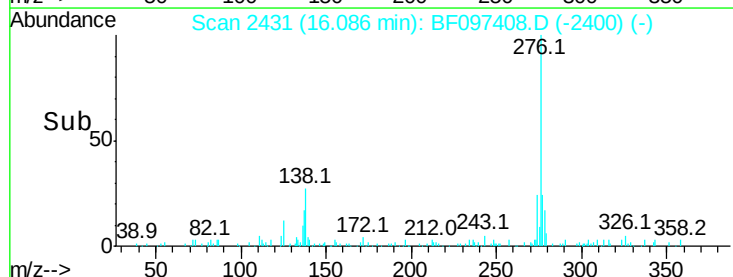
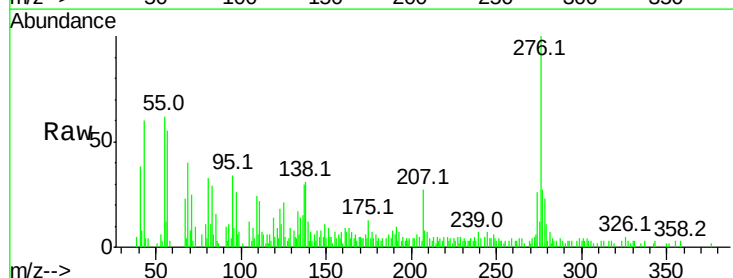
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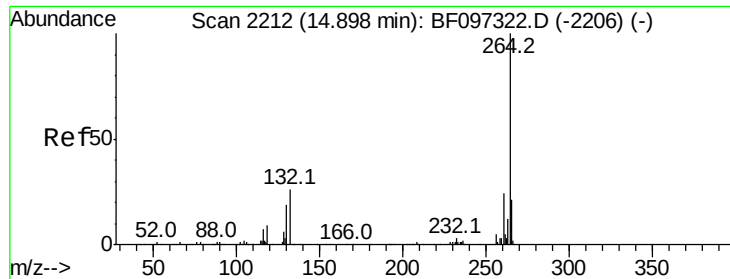
Sohil
8/7/2017 6:00:55 PM



#85
Indeno(1,2,3-cd)pyrene
Concen: 2.037 ng
RT: 16.09 min Scan# 2431
Delta R.T. -0.12 min
Lab File: BF097408.D
Acq: 5 Aug 2017 20:19

Tgt Ion:	276	Resp:	19444
Ion Ratio	Lower	Upper	
276	100		
138	29.9	27.8	41.6
277	27.5	20.2	30.4





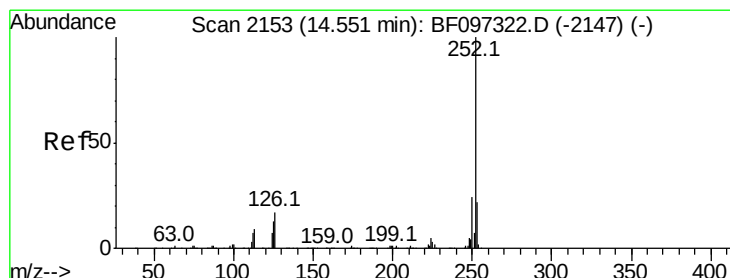
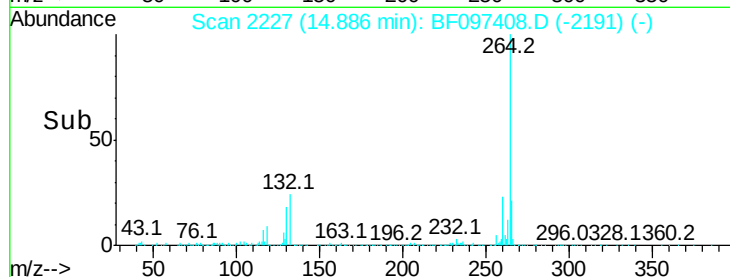
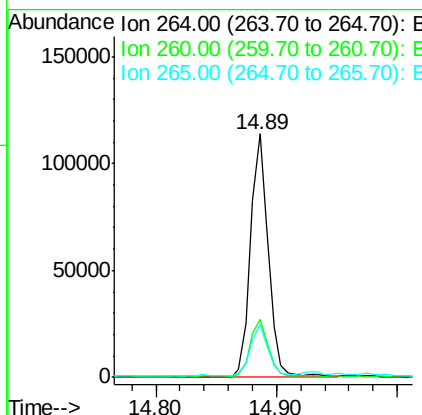
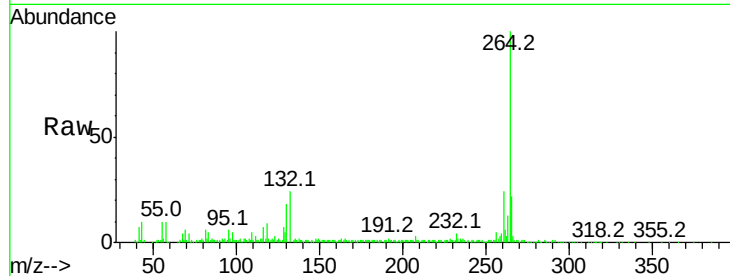
#86
Pervlene-d12
Concen: 20.000 ng
RT: 14.89 min Scan# 2227
Delta R.T. -0.09 min
Lab File: BF097408.D
Acq: 5 Aug 2017 20:19

Instrument :
BNA_F
ClientSampleId :
EO-01-080317-C

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	23.8	19.5	29.3	
265	21.6	17.2	25.8	

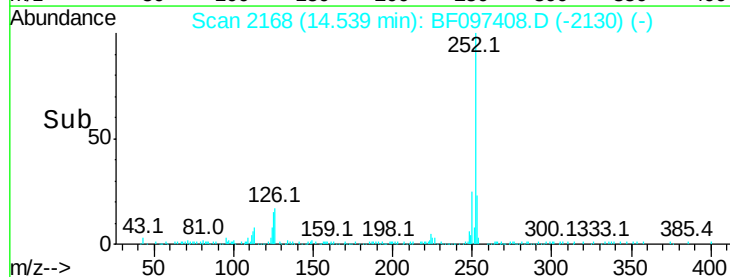
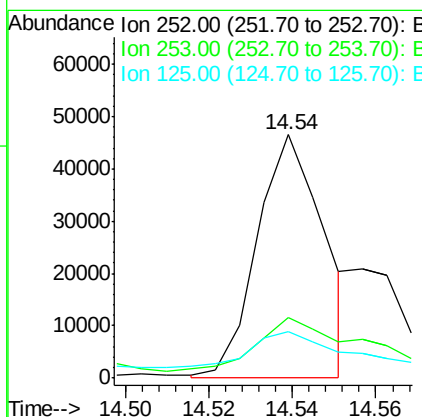
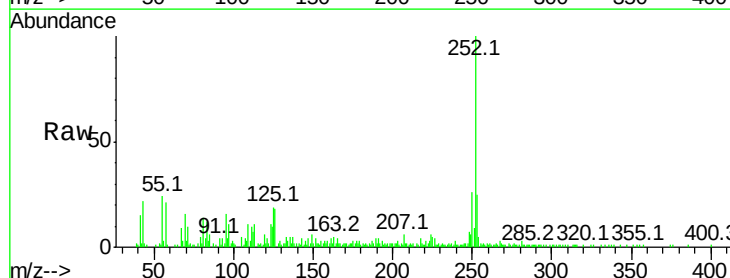
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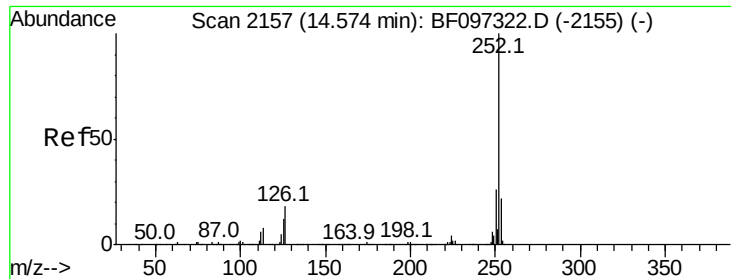
Sohil
8/7/2017 6:00:55 PM



#87
Benzo(b)fluoranthene
Concen: 7.245 ng m
RT: 14.54 min Scan# 2168
Delta R.T. -0.08 min
Lab File: BF097408.D
Acq: 5 Aug 2017 20:19

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	25.0	18.1	27.1	
125	19.0	9.8	14.8#	





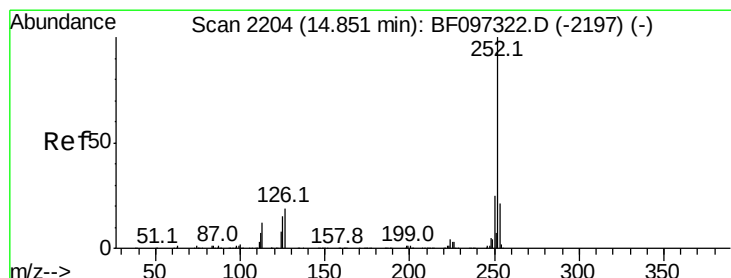
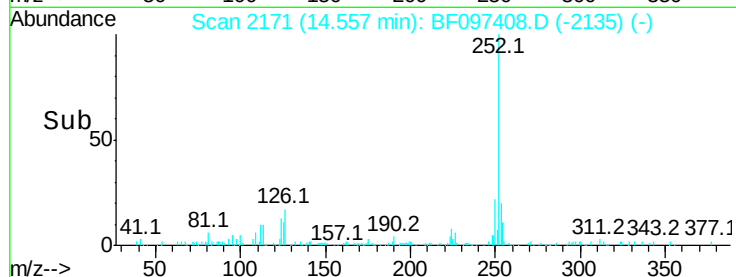
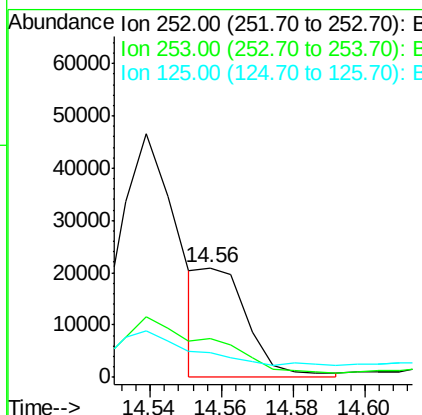
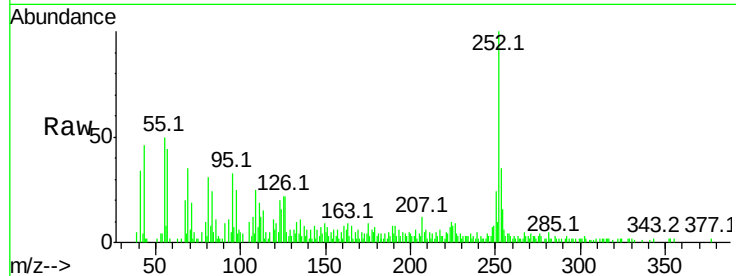
#88
Benzo(k)fluoranthene
Concen: 2.807 ng/mL
RT: 14.56 min Scan# 2171
Delta R.T. -0.09 min
Lab File: BF097408.D
Acq: 5 Aug 2017 20:19

Instrument :
BNA_F
ClientSampleId :
EO-01-080317-C

Tot Ion	Ratio	Lower	Upper
252	100		
253	35.1	18.4	27.6#
125	22.3	13.1	19.7#

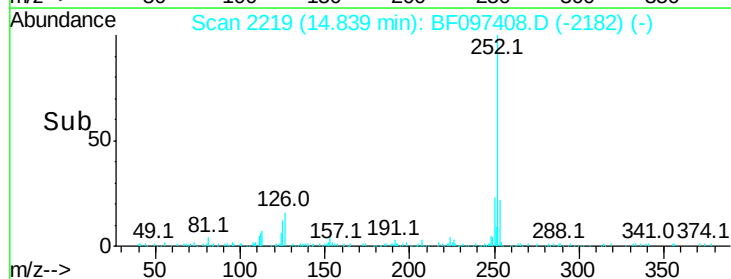
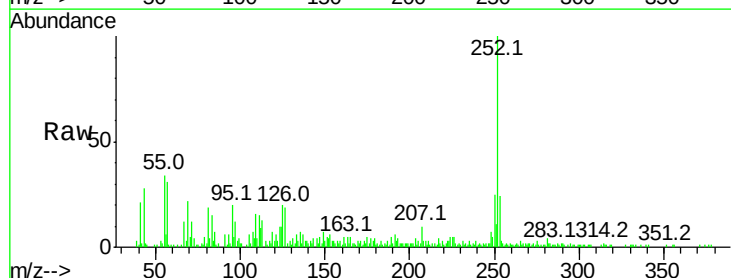
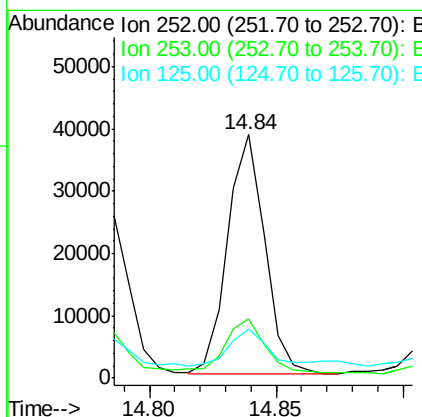
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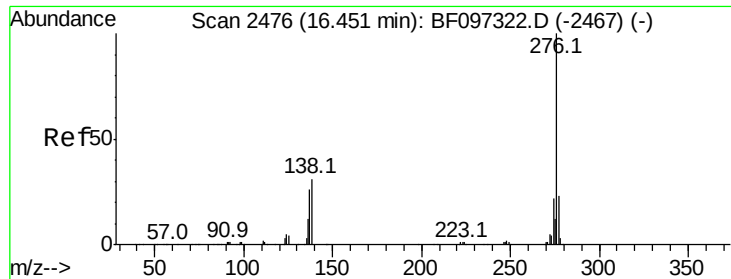
Sohil
8/7/2017 6:00:55 PM



#89
Benzo(a)pyrene
Concen: 6.003 ng/mL
RT: 14.84 min Scan# 2219
Delta R.T. -0.08 min
Lab File: BF097408.D
Acq: 5 Aug 2017 20:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.5	26.3
125	20.2	11.0	16.4#





#91
Benzo(a,h,i)perylene
Concen: 4.058 ng
RT: 16.44 min Scan# 2492
Delta R.T. -0.12 min
Lab File: BF097408.D
Acq: 5 Aug 2017 20:19

Instrument :
BNA_F
ClientSampleId :
EO-01-080317-C

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.1	18.6	28.0
138	30.8	25.4	38.0

Manual Integrations
APPROVED

Sohil
8/7/2017 6:00:55 PM

