

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092817\
 Data File : BF098932.D
 Acq On : 29 Sep 2017 3:08
 Operator : SJ/JU
 Sample : I5491-01 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-092717

Manual Integrations
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Quant Time: Sep 29 04:00:44 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	120005	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	419335	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	151911	20.00	ng	-0.01
63) Phenanthrene-d10	11.44	188	252920	20.00	ng	0.00
75) Chrysene-d12	14.08	240	258068	20.00	ng	0.00
86) Perylene-d12	15.58	264	185492	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	159475	21.15	ng	-0.01
7) Phenol-d6	6.53	99	174011	18.71	ng	-0.01
23) Nitrobenzene-d5	7.47	82	95955	14.67	ng	-0.02
41) 2,4,6-Tribromophenol	10.74	330	20705	16.66	ng	-0.01
44) 2-Fluorobiphenyl	9.27	172	162656	17.87	ng	-0.01
78) Terphenyl-d14	13.02	244	141342	12.46	ng	-0.01
Target Compounds						
70) Phenanthrene	11.46	178	58997	4.358	ng	Qvalue 100
74) Fluoranthene	12.66	202	197161	14.382	ng	96
77) Pyrene	12.89	202	192908	9.803	ng	98
80) Benzo(a)anthracene	14.07	228	80665	5.162	ng	94
82) Chrysene	14.10	228	91837	6.173	ng	95
85) Indeno(1,2,3-cd)pyrene	17.09	276	31644	2.659	ng	97
87) Benzo(b)fluoranthene	15.13	252	94196m	8.259	ng	
88) Benzo(k)fluoranthene	15.16	252	34222m	3.038	ng	
89) Benzo(a)pyrene	15.51	252	59544	5.688	ng	# 89
91) Benzo(g,h,i)perylene	17.54	276	30865	3.727	ng	# 87

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

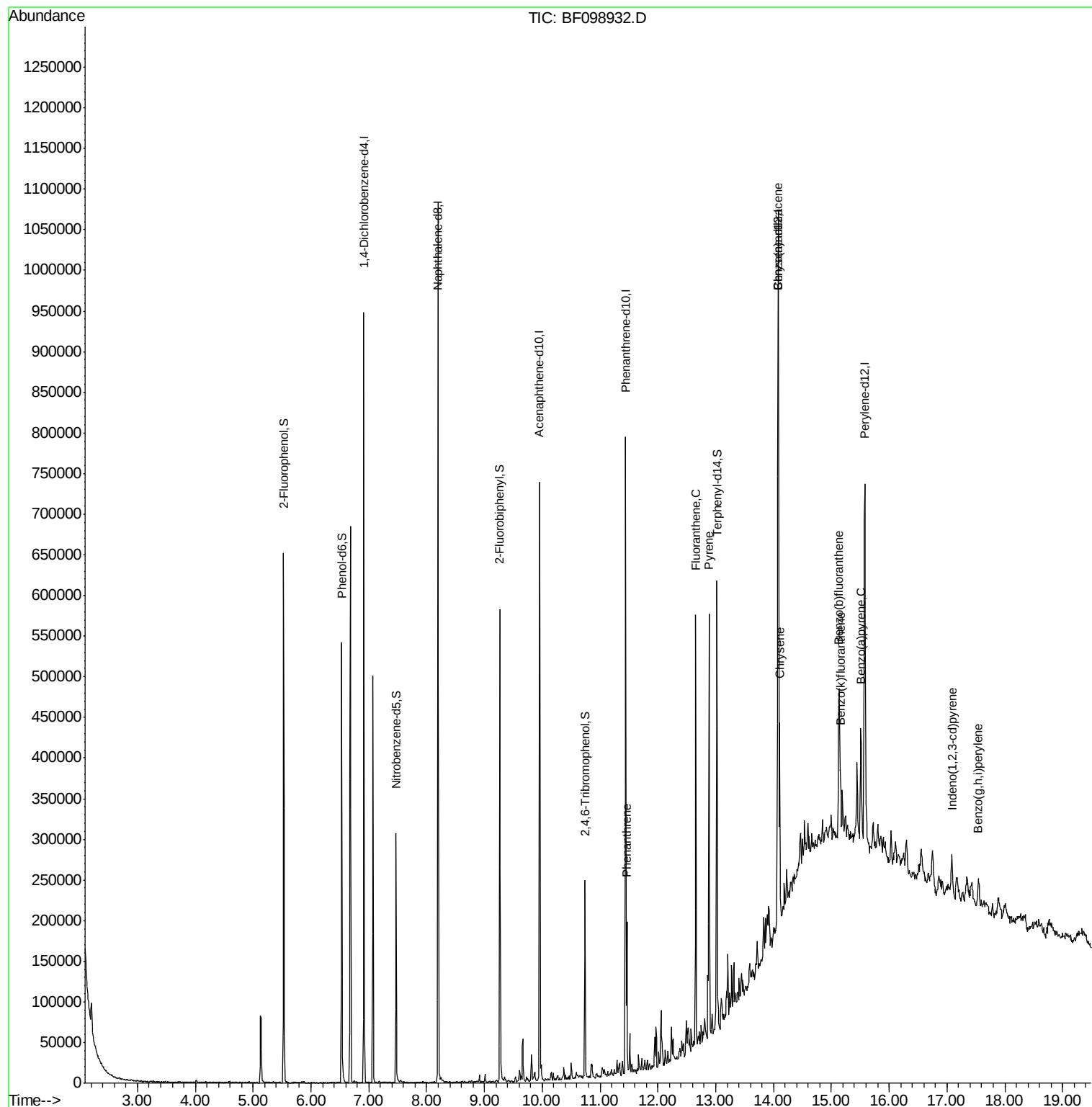
Data Path : Z:\HPCHEM1\BNA F\DATA\BF092817\
Data File : BF098932.D
Acq On : 29 Sep 2017 3:08
Operator : SJ/JU
Sample : I5491-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

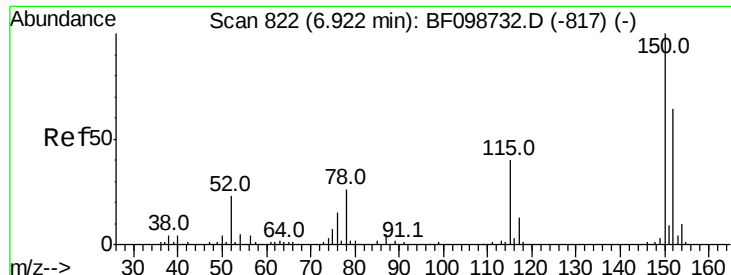
Instrument :
BNA_F
ClientSampleId :
OR-02-092717

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#1

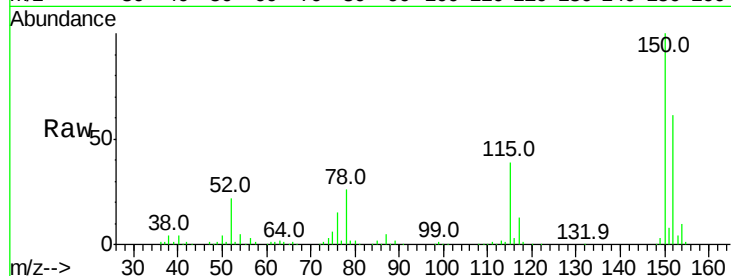
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF098932.D
Acq: 29 Sep 2017 3:08

Instrument :
BNA_F
ClientSampleId :
OR-02-092717

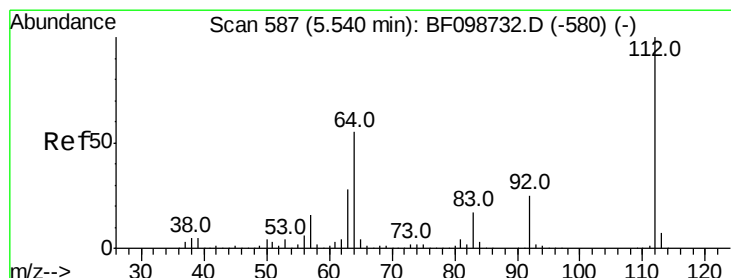
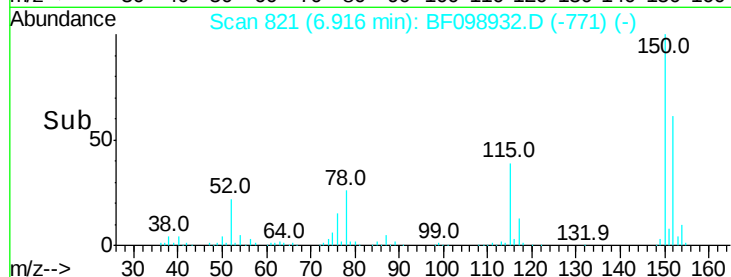
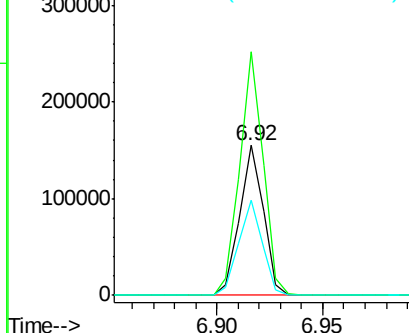
Tot Ion	Ratio	Lower	Upper
152	100		
150	162.7	124.6	186.8
115	63.2	50.1	75.1

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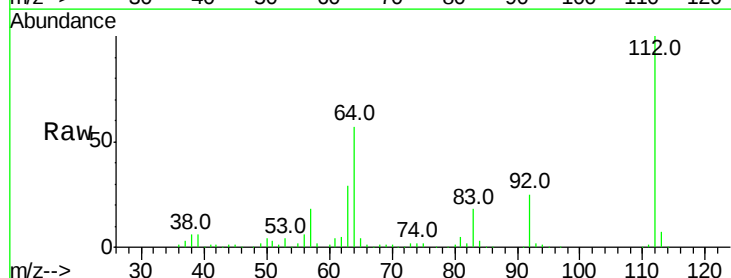
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



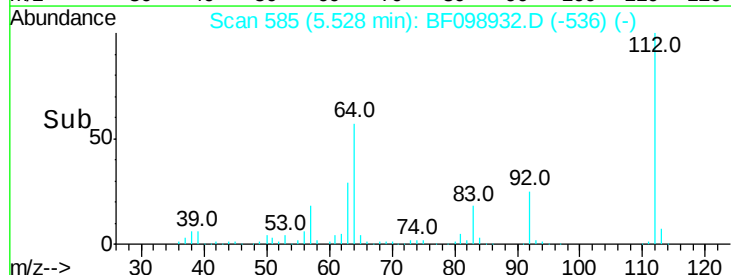
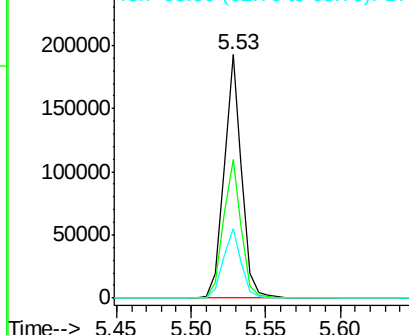
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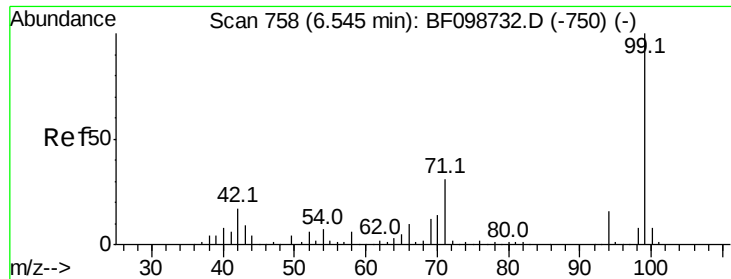
2-Fluorophenol
Concen: 21.155 ng
RT: 5.53 min Scan# 585
Delta R.T. -0.01 min
Lab File: BF098932.D
Acq: 29 Sep 2017 3:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.1	47.9	71.9
63	28.7	23.7	35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 18.712 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF098932.D

Acq: 29 Sep 2017 3:08

Instrument :

BNA_F

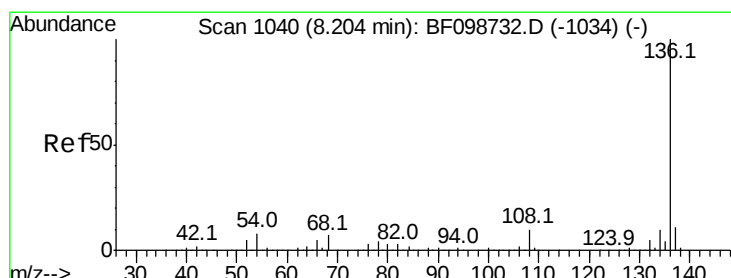
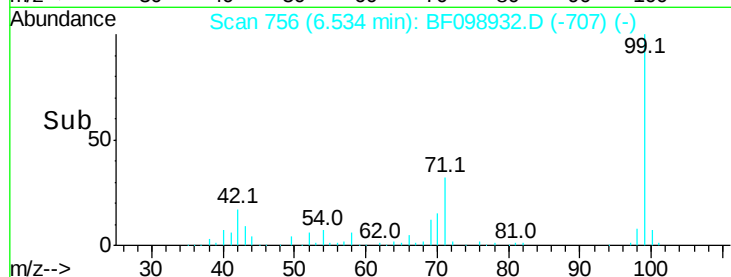
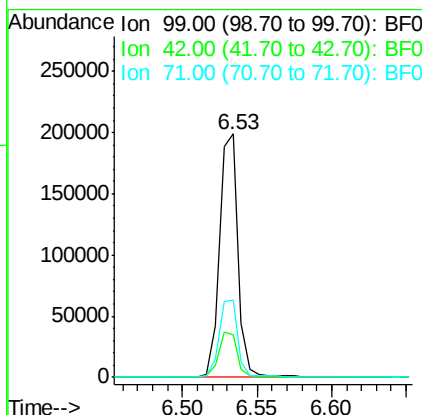
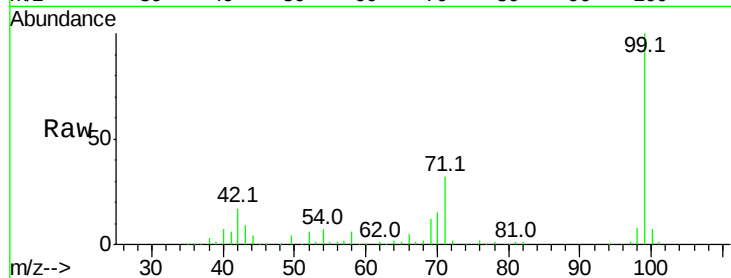
ClientSampleId :

OR-02-092717

Tot Ion:	99	Resp:	174011
Ion Ratio	Lower	Upper	
99	100		
42	17.4	14.5	21.7
71	31.8	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

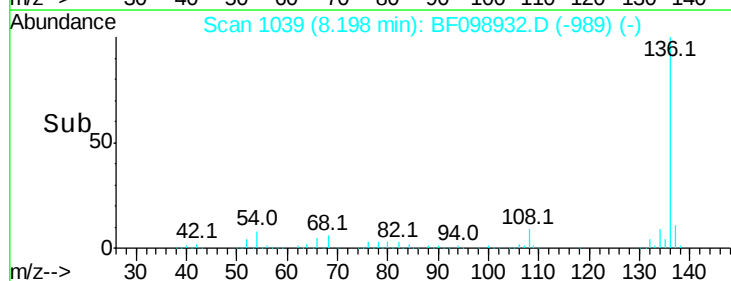
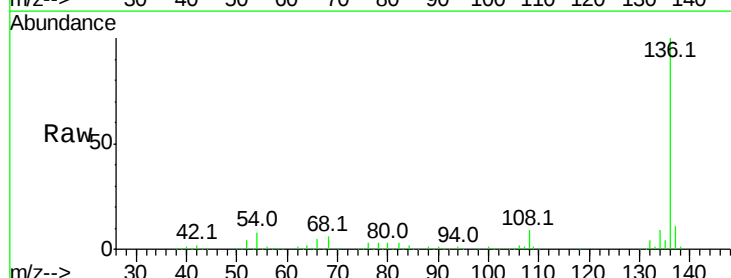
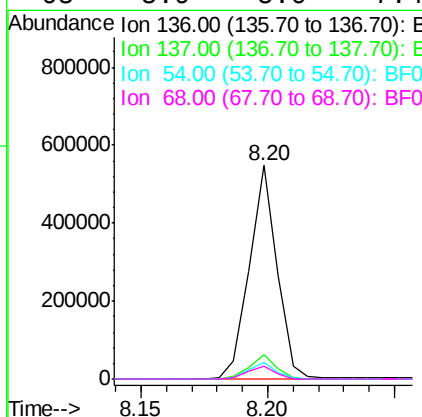
RT: 8.20 min Scan# 1039

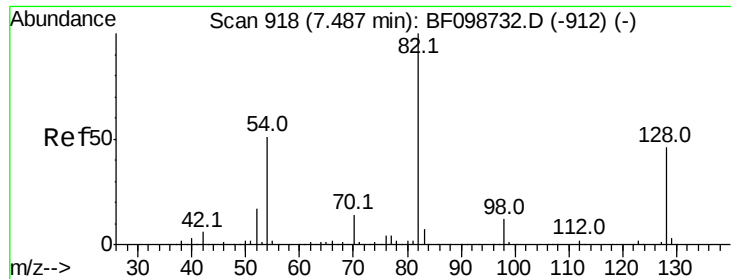
Delta R.T. -0.01 min

Lab File: BF098932.D

Acq: 29 Sep 2017 3:08

Tgt Ion:	136	Resp:	419335
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.9	13.3
54	7.6	6.6	9.8
68	5.9	5.0	7.4





#23

Nitrobenzene-d5

Concen: 14.675 ng

RT: 7.47 min Scan# 915

Delta R.T. -0.02 min

Lab File: BF098932.D

Acq: 29 Sep 2017 3:08

Instrument :

BNA_F

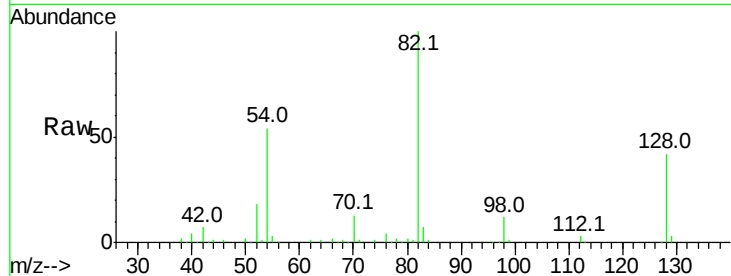
ClientSampleId :

OR-02-092717

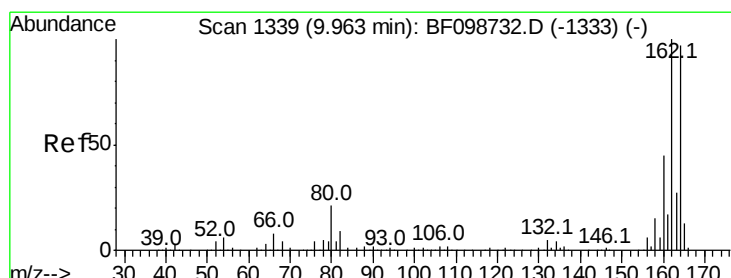
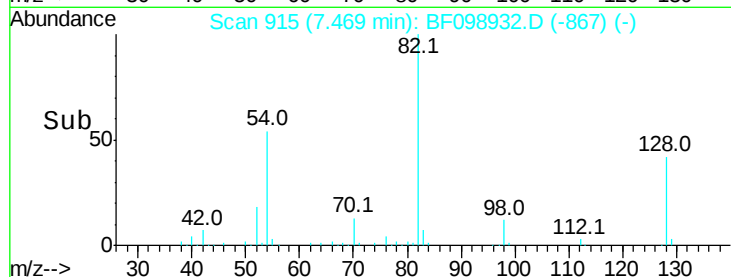
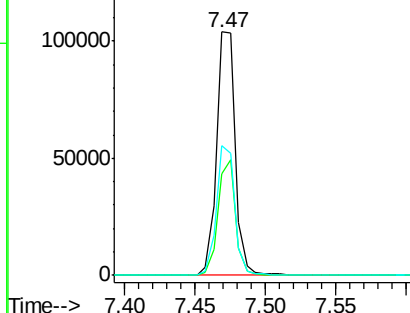
Tot Ion	82	Resp	95955
Ion Ratio	Lower	Upper	
82	100		
128	41.5	36.1	54.1
54	53.5	41.4	62.2

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Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.000 ng

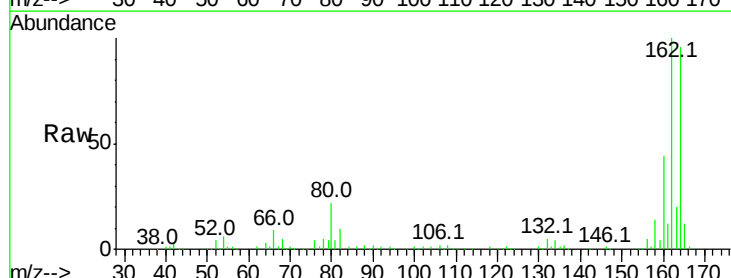
RT: 9.95 min Scan# 1337

Delta R.T. -0.01 min

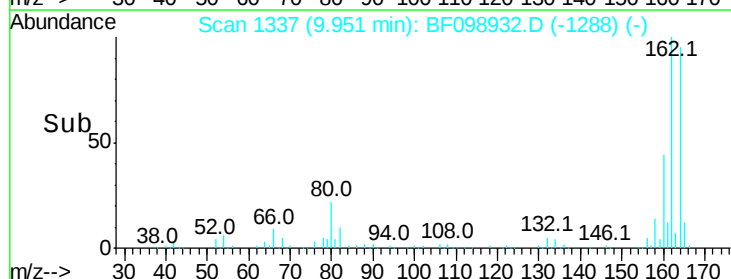
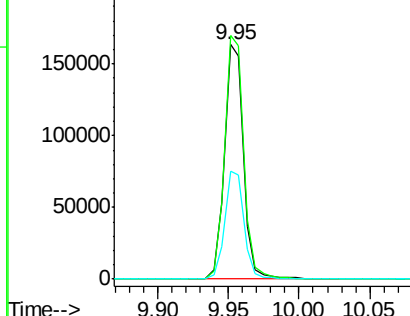
Lab File: BF098932.D

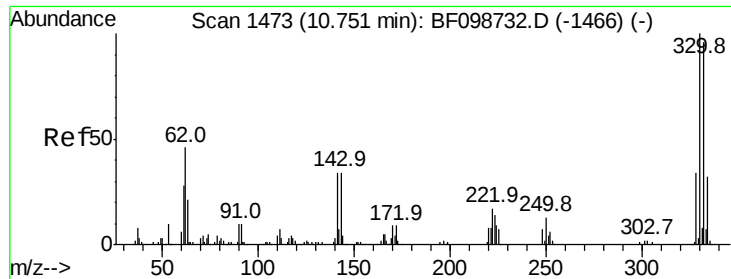
Acq: 29 Sep 2017 3:08

Tgt Ion	164	Resp	151911
Ion Ratio	Lower	Upper	
164	100		
162	103.8	86.1	129.1
160	46.0	38.3	57.5



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





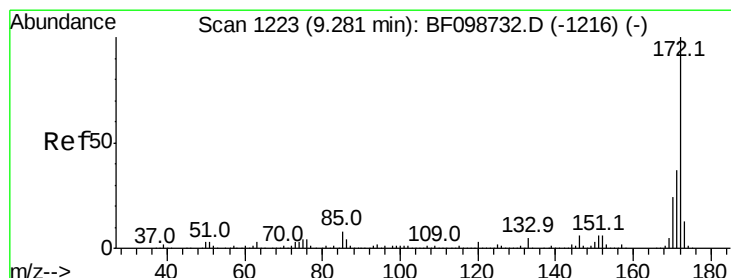
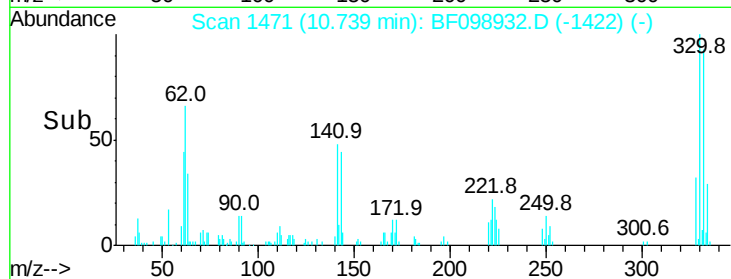
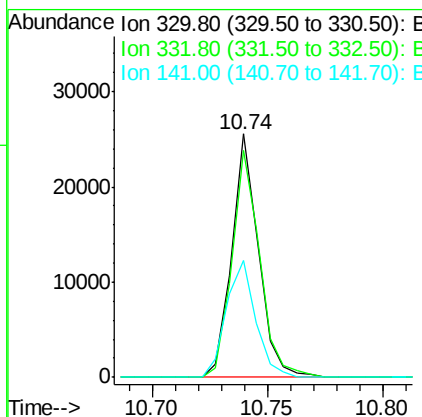
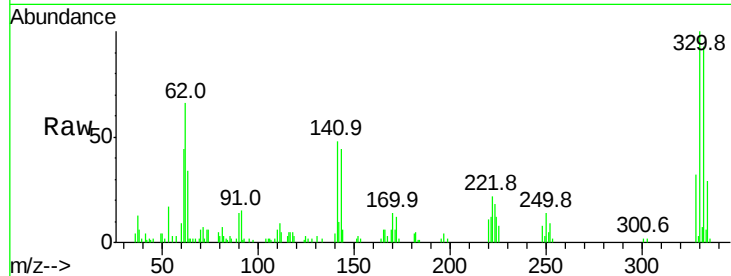
#41
 2,4,6-Tribromophenol
 Concen: 16.657 ng
 RT: 10.74 min Scan# 1471
 Delta R.T. -0.01 min
 Lab File: BF098932.D
 Acq: 29 Sep 2017 3:08

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-092717

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.6	77.0	115.6	
141	52.0	29.9	44.9	

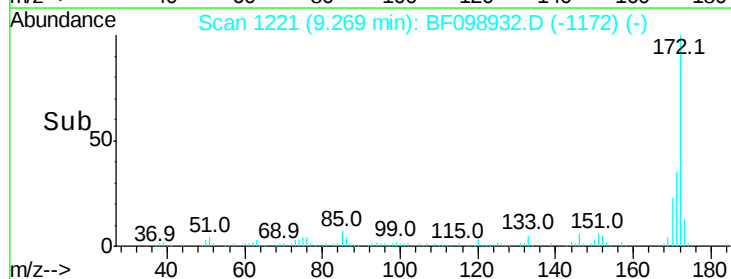
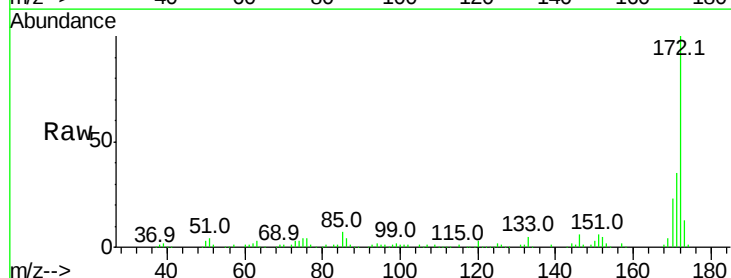
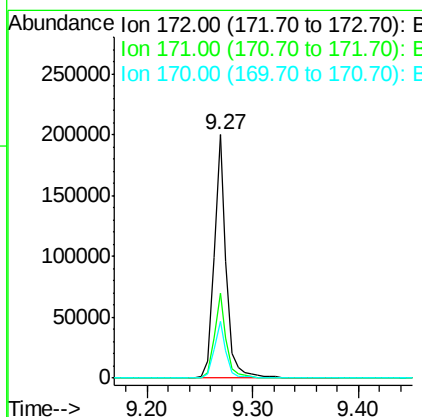
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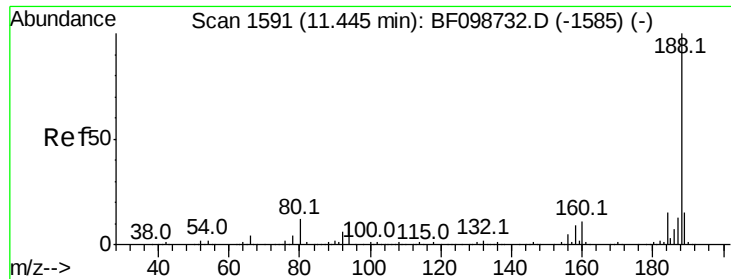
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#44
 2-Fluorobiphenyl
 Concen: 17.875 ng
 RT: 9.27 min Scan# 1221
 Delta R.T. -0.01 min
 Lab File: BF098932.D
 Acq: 29 Sep 2017 3:08

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	34.8	29.7	44.5	
170	23.5	19.6	29.4	





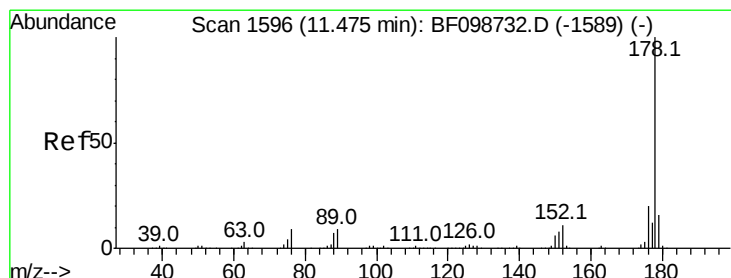
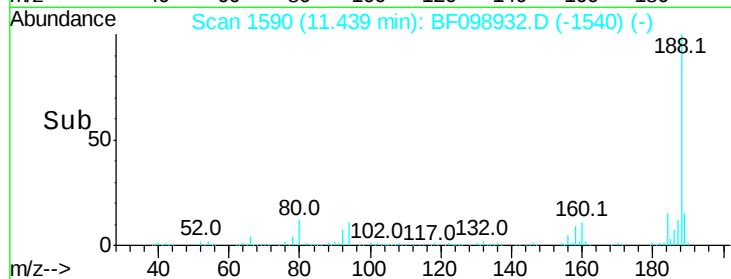
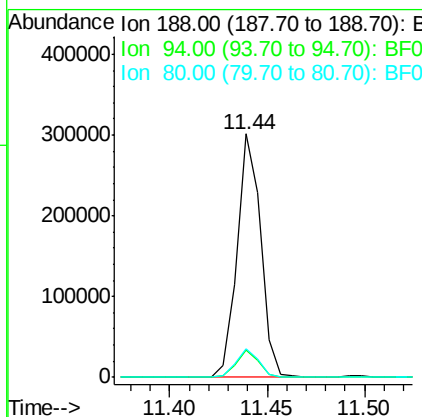
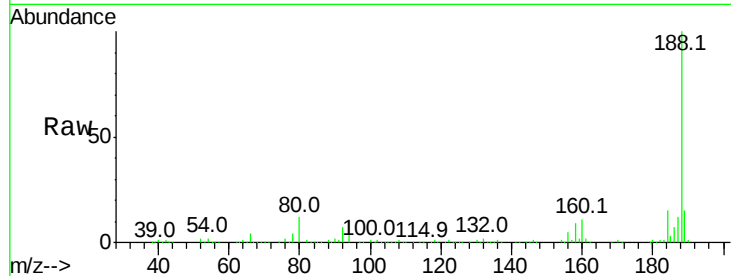
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF098932.D
Acq: 29 Sep 2017 3:08

Instrument :
BNA_F
ClientSampleId :
OR-02-092717

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	11.1	8.5	12.7
80	12.0	9.2	13.8

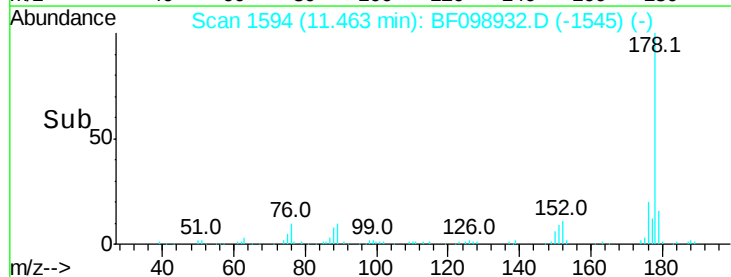
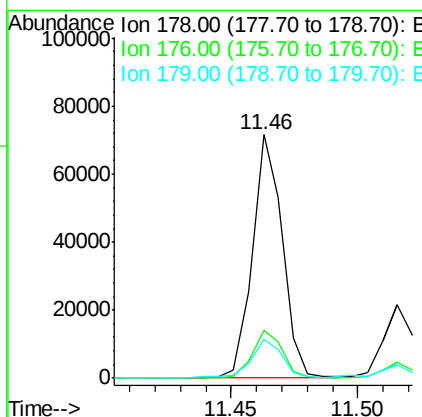
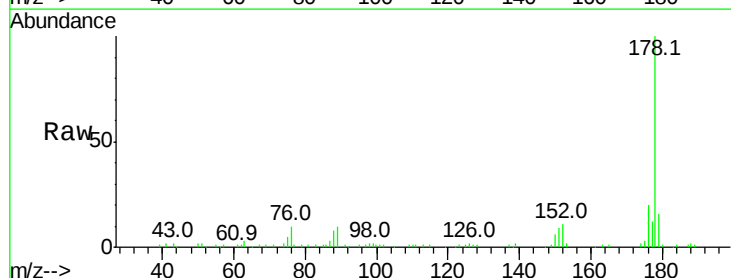
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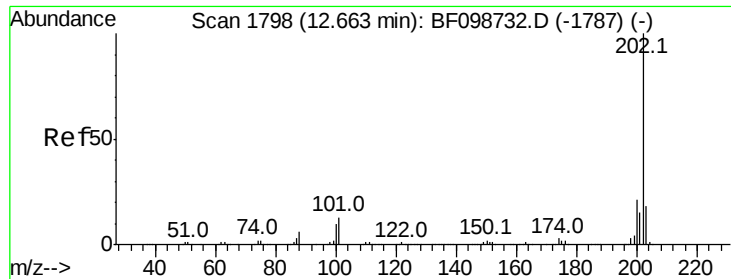
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#70
Phenanthrene
Concen: 4.358 ng
RT: 11.46 min Scan# 1594
Delta R.T. -0.01 min
Lab File: BF098932.D
Acq: 29 Sep 2017 3:08

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.8	15.8	23.8
179	15.9	13.0	19.6





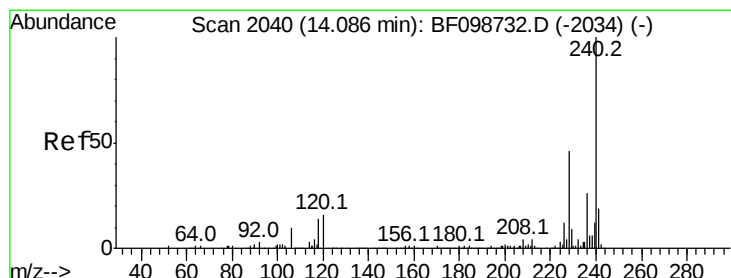
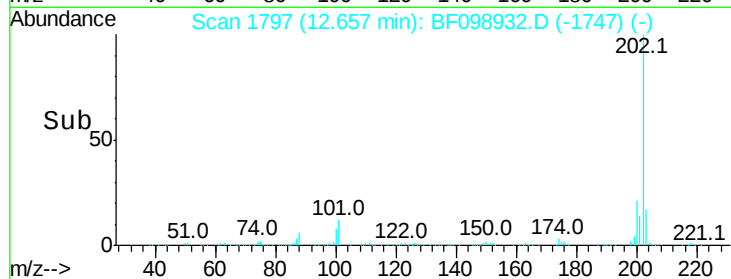
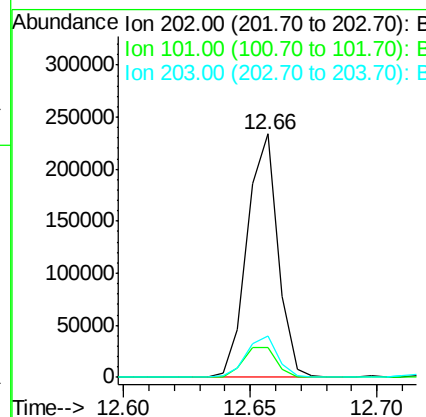
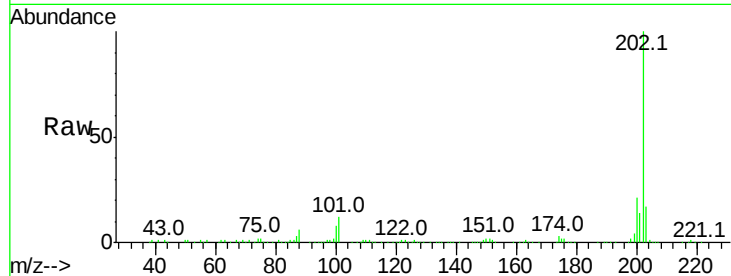
#74
Fluoranthene
Concen: 14.382 ng
RT: 12.66 min Scan# 1797
Delta R.T. -0.01 min
Lab File: BF098932.D
Acq: 29 Sep 2017 3:08

Instrument :
BNA_F
ClientSampleId :
OR-02-092717

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.2	0.0	34.1
203	16.9	0.0	38.1

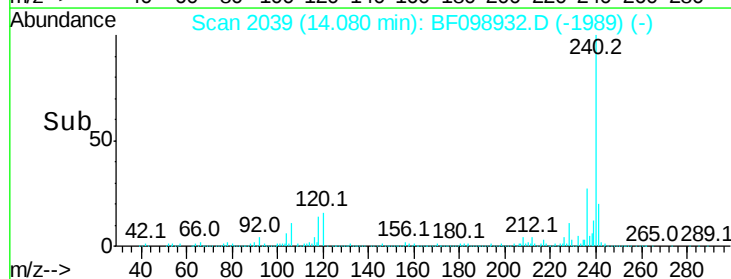
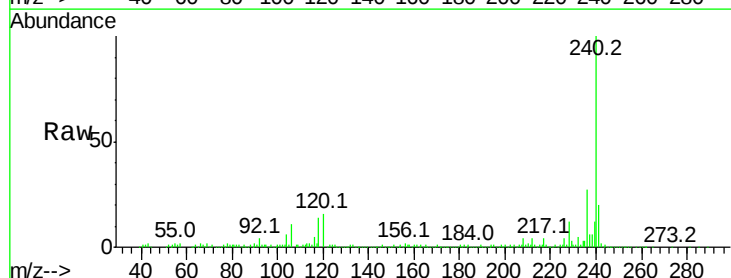
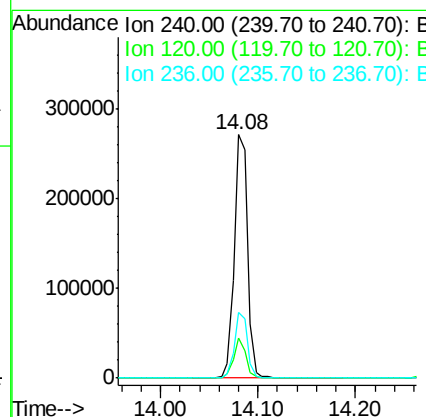
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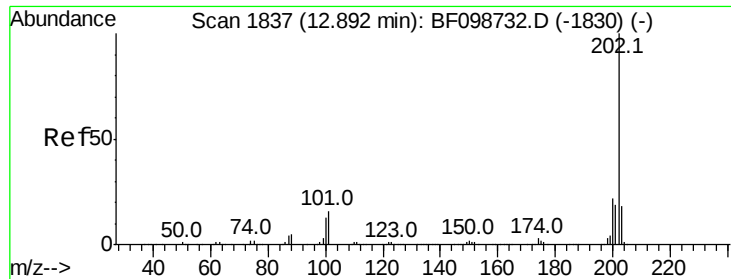
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#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BF098932.D
Acq: 29 Sep 2017 3:08

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	16.3	9.5	14.3#
236	26.8	20.7	31.1





#77

Pvrene

Concen: 9.803 ng

RT: 12.89 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BF098932.D

Acq: 29 Sep 2017 3:08

Instrument :

BNA_F

ClientSampleId :

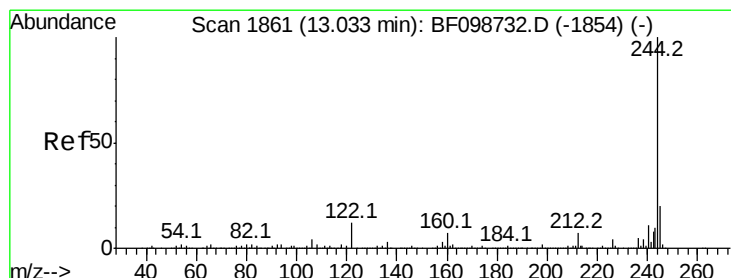
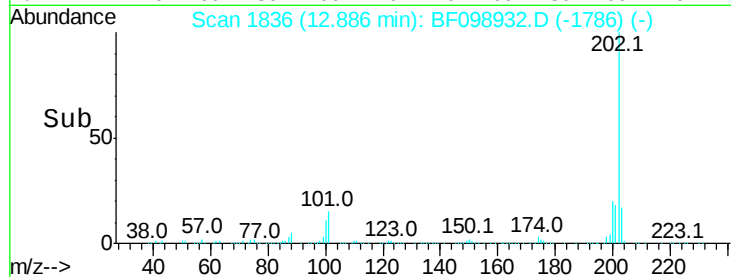
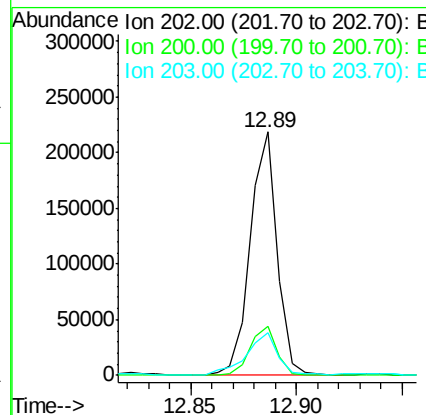
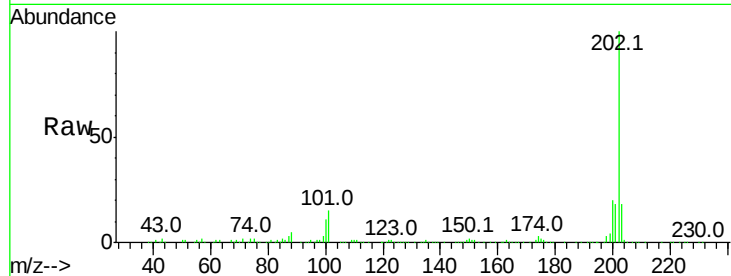
OR-02-092717

Tot Ion:	202	Resp:	192908
Ion Ratio	Lower	Upper	
202	100		
200	20.2	17.4	26.2
203	17.7	14.3	21.5

Manual Integrations
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#78

Terphenyl-d14

Concen: 12.456 ng

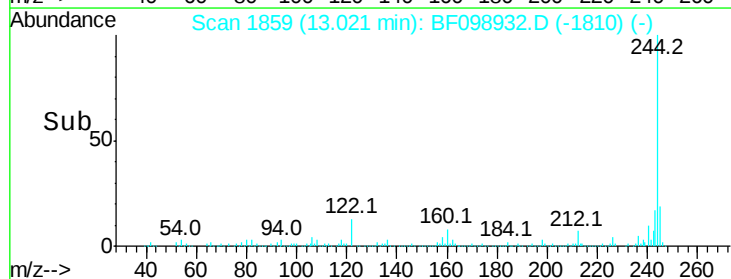
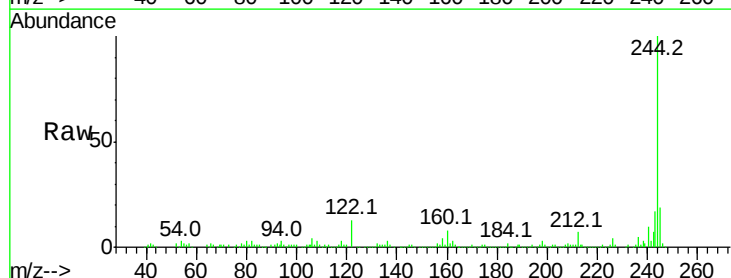
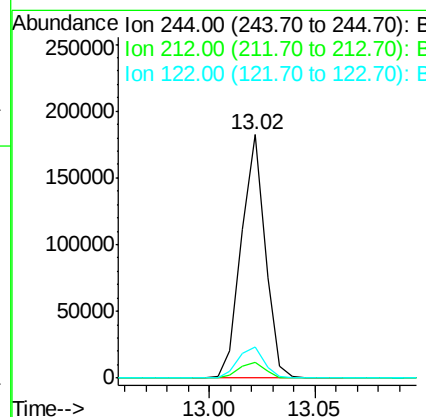
RT: 13.02 min Scan# 1859

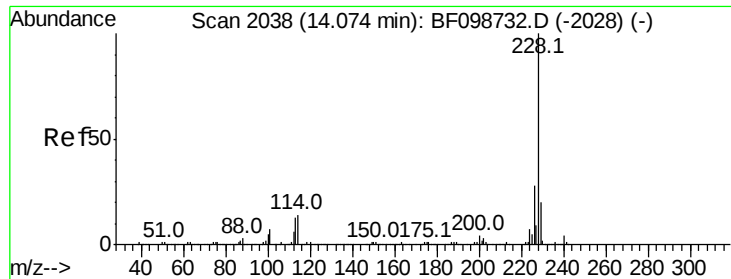
Delta R.T. -0.01 min

Lab File: BF098932.D

Acq: 29 Sep 2017 3:08

Tgt Ion:	244	Resp:	141342
Ion Ratio	Lower	Upper	
244	100		
212	6.6	5.4	8.0
122	12.8	11.0	16.4





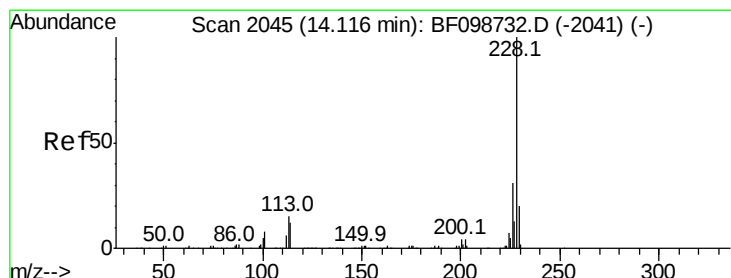
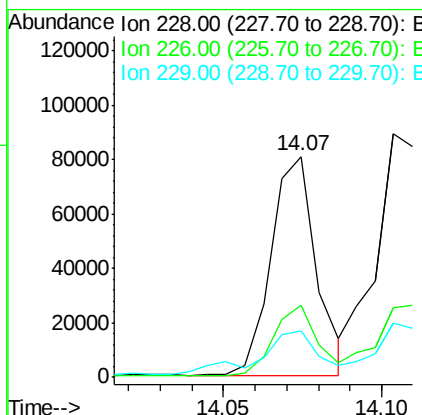
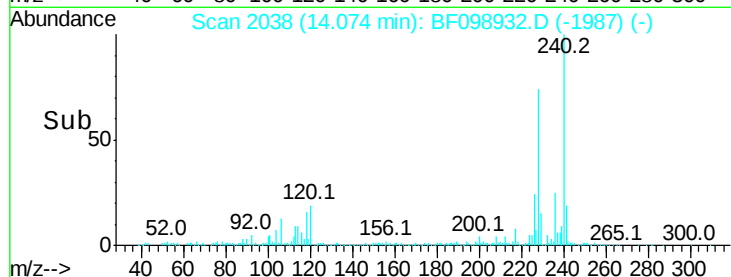
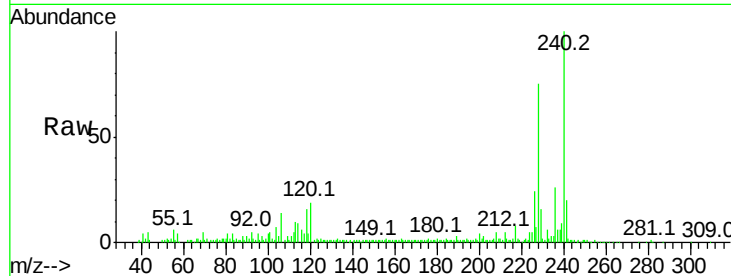
#80
Benzo(a)anthracene
Concen: 5.162 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.00 min
Lab File: BF098932.D
Acq: 29 Sep 2017 3:08

Instrument :
BNA_F
ClientSampleId :
OR-02-092717

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.7	22.6	33.8
229	21.0	15.8	23.6

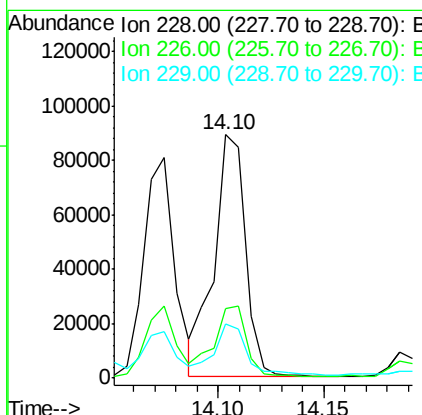
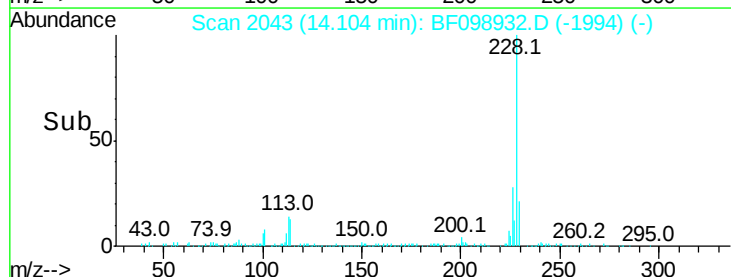
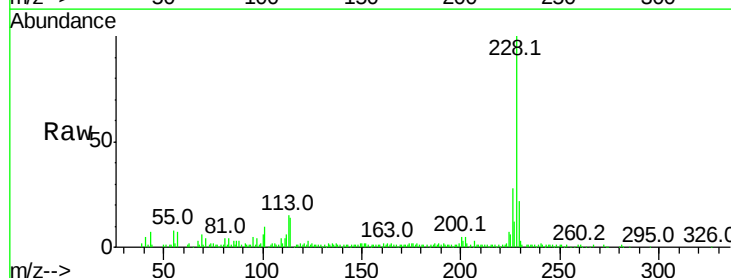
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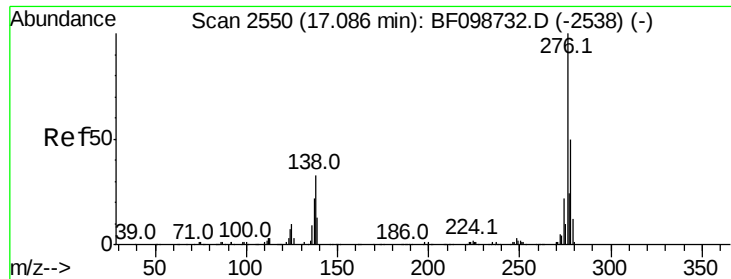
Sohil
9/29/2017 6:04:56 PM



#82
Chrysene
Concen: 6.173 ng
RT: 14.10 min Scan# 2043
Delta R.T. -0.01 min
Lab File: BF098932.D
Acq: 29 Sep 2017 3:08

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.4	25.0	37.6
229	22.2	16.2	24.4





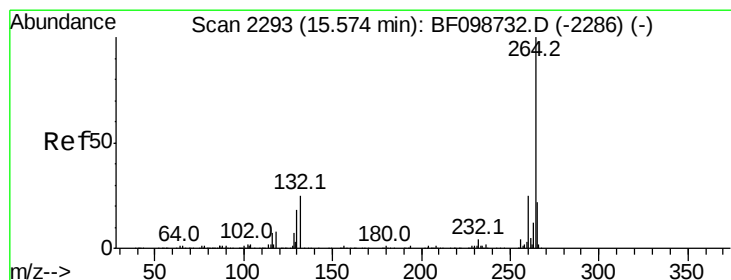
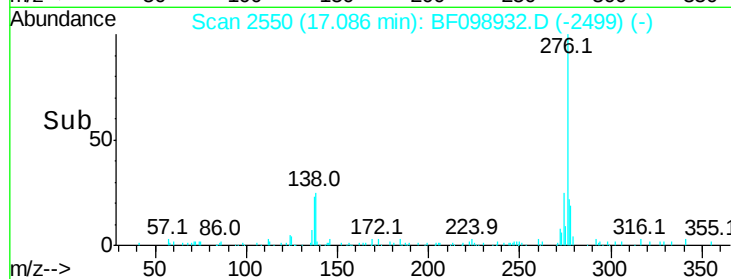
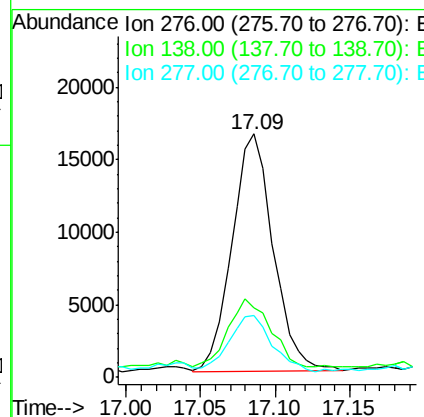
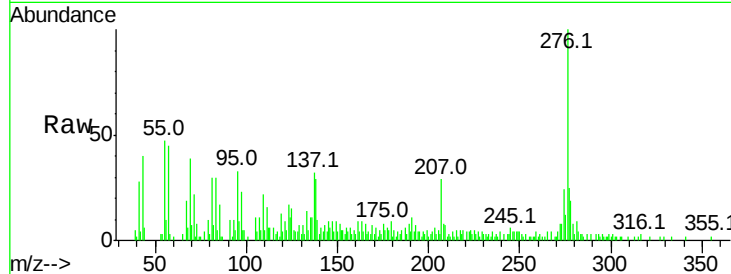
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.659 ng
 RT: 17.09 min Scan# 2550
 Delta R.T. -0.00 min
 Lab File: BF098932.D
 Acq: 29 Sep 2017 3:08

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-092717

Tot Ion	Ratio	Lower	Upper
276	100		
138	29.4	25.0	37.6
277	24.1	20.1	30.1

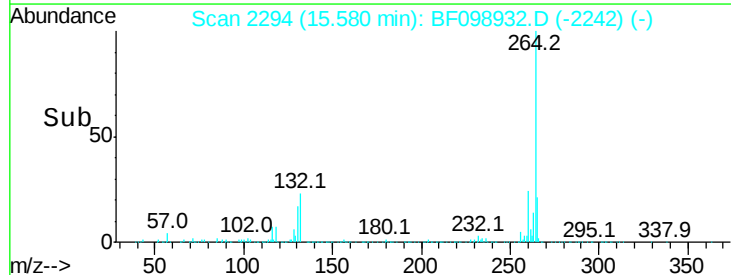
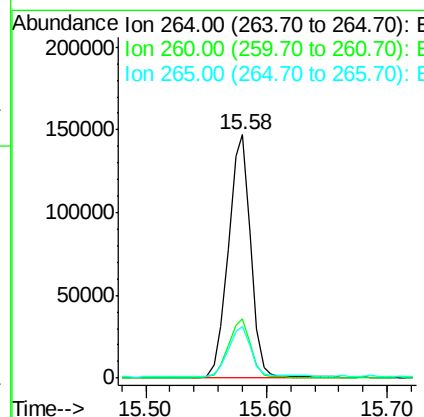
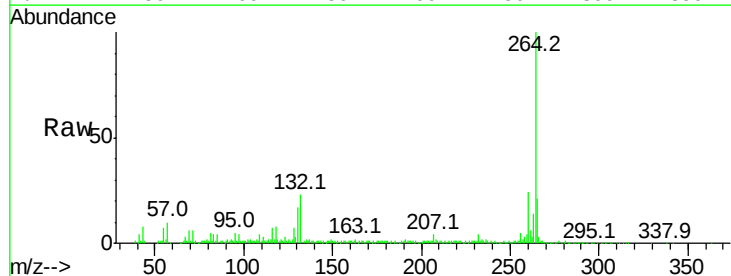
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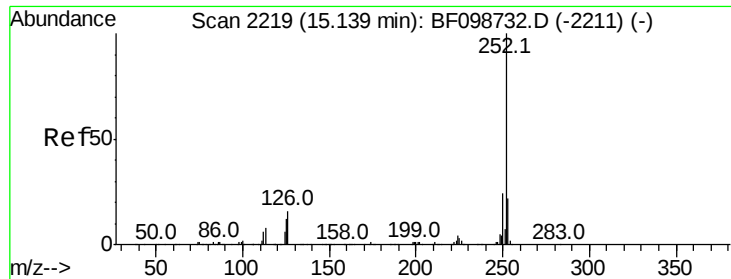
Sohil
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.58 min Scan# 2294
 Delta R.T. 0.01 min
 Lab File: BF098932.D
 Acq: 29 Sep 2017 3:08

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	21.2	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 8.259 ng m

RT: 15.13 min Scan# 2218

Delta R.T. -0.01 min

Lab File: BF098932.D

Acq: 29 Sep 2017 3:08

Instrument :

BNA_F

ClientSampleId :

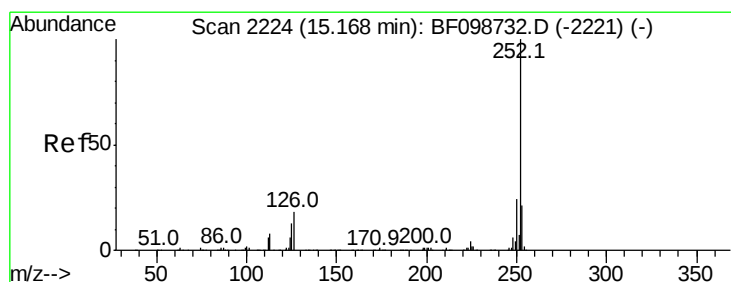
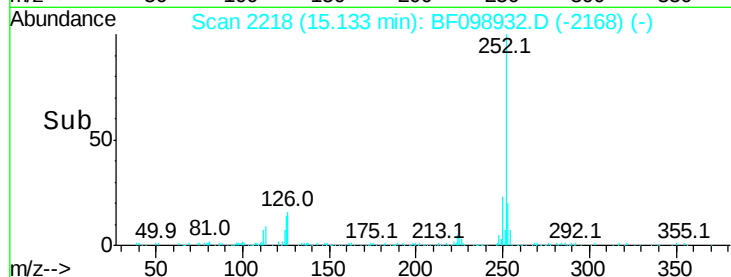
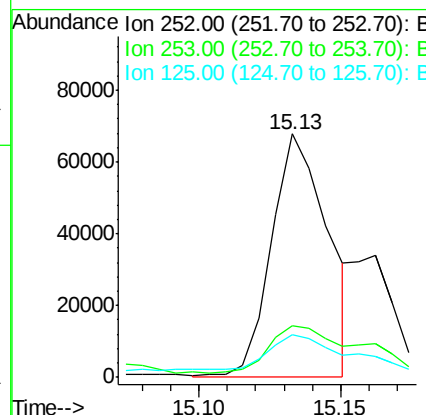
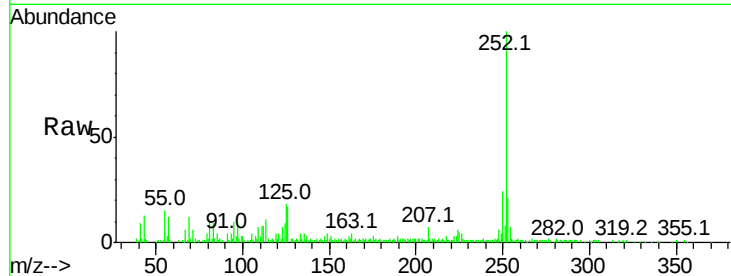
OR-02-092717

Tot Ion:	252	Resp:	94196
Ion Ratio	Lower	Upper	
252	100		
253	21.4	17.0	25.6
125	17.5	9.0	13.6#

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 3.038 ng m

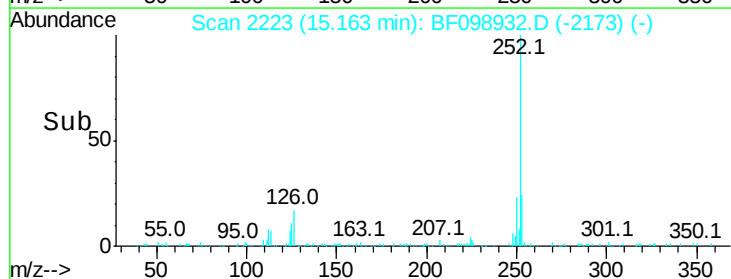
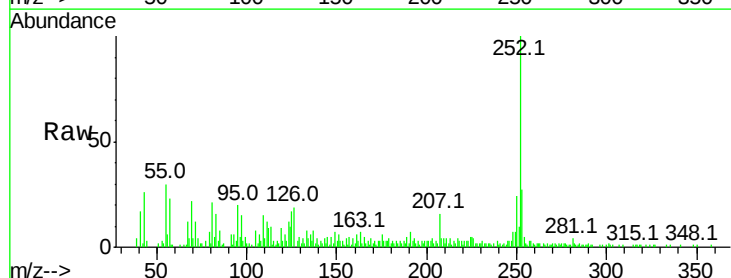
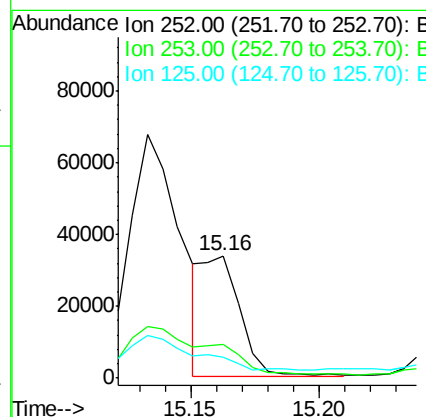
RT: 15.16 min Scan# 2223

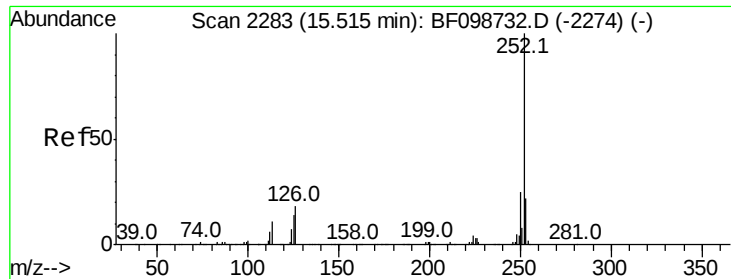
Delta R.T. -0.01 min

Lab File: BF098932.D

Acq: 29 Sep 2017 3:08

Tgt Ion:	252	Resp:	34222
Ion Ratio	Lower	Upper	
252	100		
253	27.3	17.9	26.9#
125	17.3	10.2	15.2#





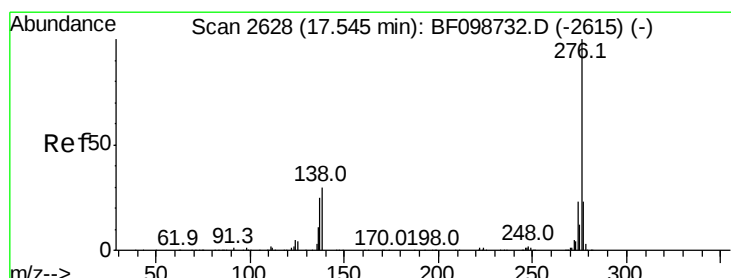
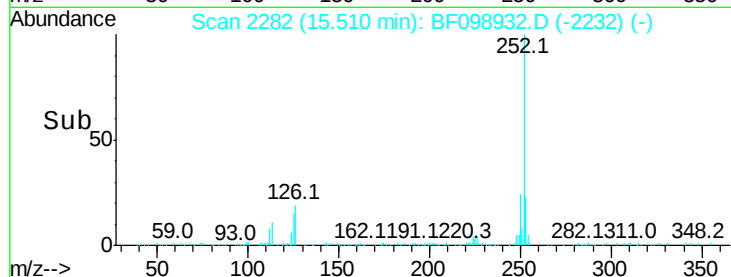
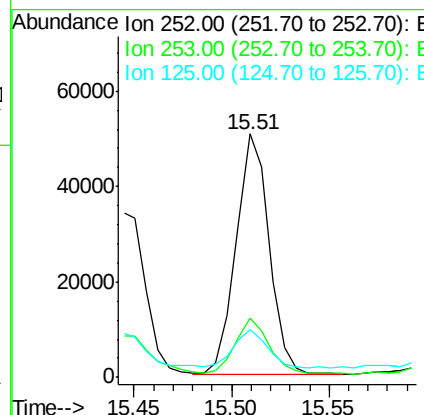
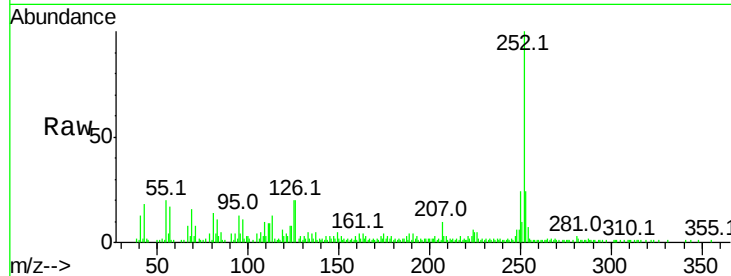
#89
Benzo(a)pyrene
Concen: 5.688 ng
RT: 15.51 min Scan# 2282
Delta R.T. -0.01 min
Lab File: BF098932.D
Acq: 29 Sep 2017 3:08

Instrument :
BNA_F
ClientSampleId :
OR-02-092717

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.1	25.7
125	19.9	9.8	14.6

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#91
Benzo(g,h,i)perylene
Concen: 3.727 ng
RT: 17.54 min Scan# 2628
Delta R.T. -0.00 min
Lab File: BF098932.D
Acq: 29 Sep 2017 3:08

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.3	17.9	26.9
138	35.4	21.8	32.8

