

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101817\
 Data File : BF099615.D
 Acq On : 18 Oct 2017 14:11
 Operator : SJ/JU
 Sample : I5898-01 10X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-101317

Manual Integrations
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 10/19/2017 5:14:37 PM

Quant Time: Oct 18 15:46:13 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 18 15:18:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	96693	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	381149	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	157036	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	234686	20.00	ng	0.00
75) Chrysene-d12	13.99	240	168135	20.00	ng	-0.01
86) Perylene-d12	15.45	264	188906	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	48057	7.91	ng	0.00
7) Phenol-d6	6.47	99	59343	7.92	ng	-0.01
23) Nitrobenzene-d5	7.39	82	31799	5.35	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	8296	6.46	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	69389	7.38	ng	0.00
78) Terphenyl-d14	12.93	244	41081	5.56	ng	0.00
Target Compounds						
70) Phenanthrene	11.37	178	64166	5.108	ng	Qvalue 100
74) Fluoranthene	12.56	202	79886	6.280	ng	97
77) Pyrene	12.79	202	75864	5.917	ng	99
80) Benzo(a)anthracene	13.98	228	35170	3.454	ng	97
82) Chrysene	14.02	228	31173	3.216	ng	97
85) Indeno(1,2,3-cd)pyrene	16.93	276	19792	2.553	ng	94
87) Benzo(b)fluoranthene	15.03	252	40469m	3.484	ng	
89) Benzo(a)pyrene	15.39	252	33587	3.150	ng	# 90
91) Benzo(g,h,i)perylene	17.38	276	19540	2.317	ng	# 87

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

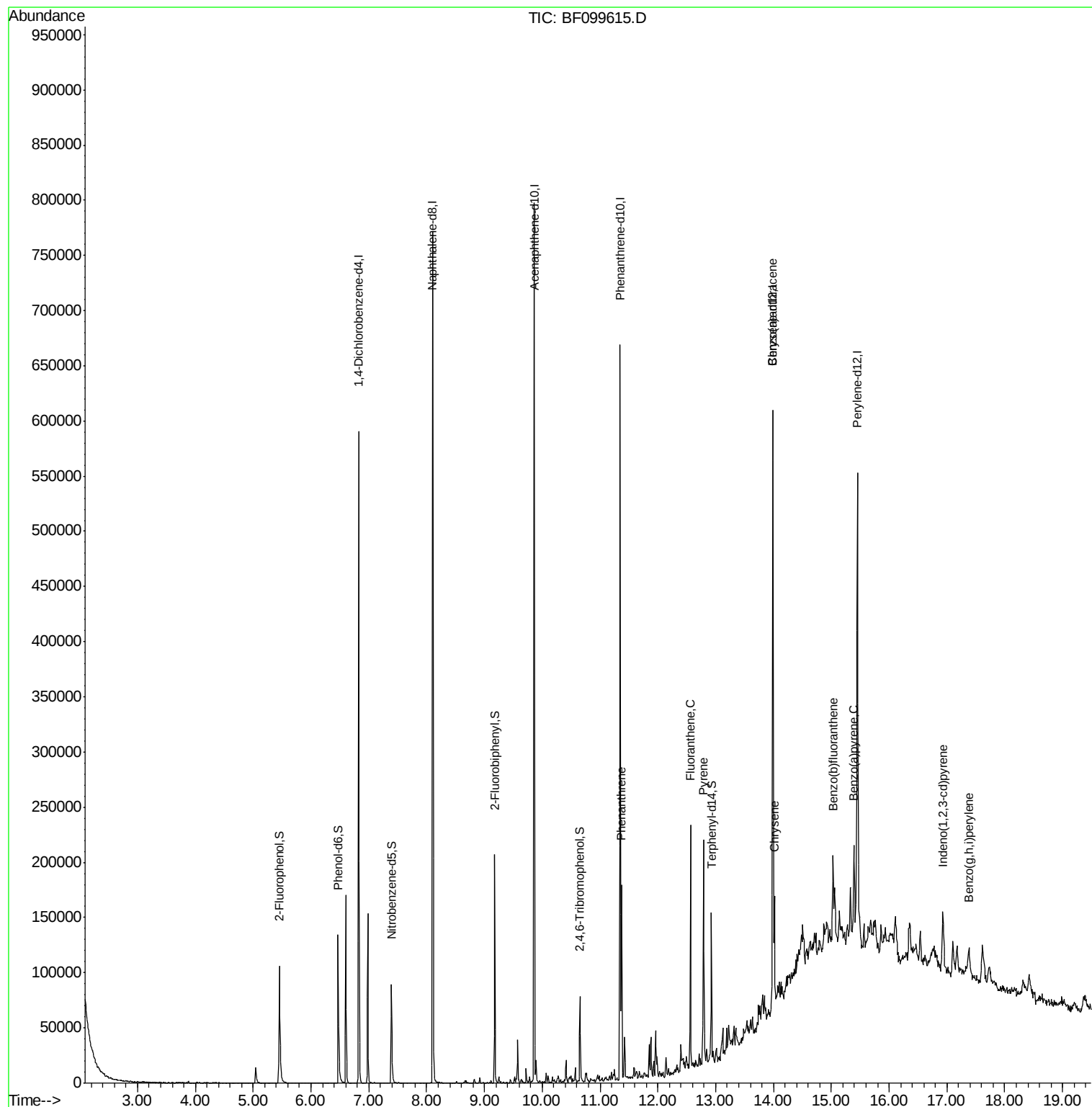
Data Path : Z:\HPCHEM1\BNA F\DATA\BF101817\
Data File : BF099615.D
Acq On : 18 Oct 2017 14:11
Operator : SJ/JU
Sample : I5898-01 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

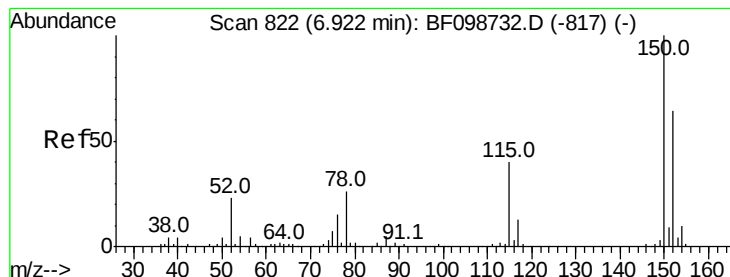
Instrument :
BNA_F
ClientSampleId :
OR-02-101317

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Quant Time: Oct 18 15:46:13 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 18 15:18:49 2017
Response via : Initial Calibration





#1

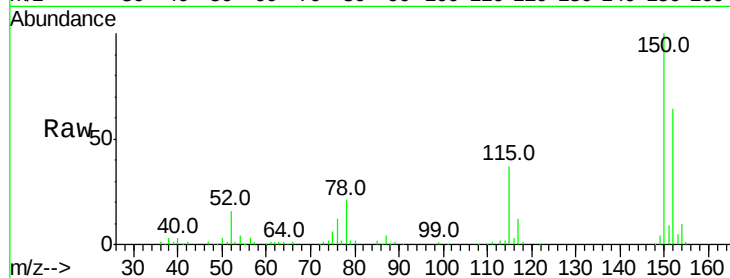
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.00 min
Lab File: BF099615.D
Acq: 18 Oct 2017 14:11

Instrument :
BNA_F
ClientSampleId :
OR-02-101317

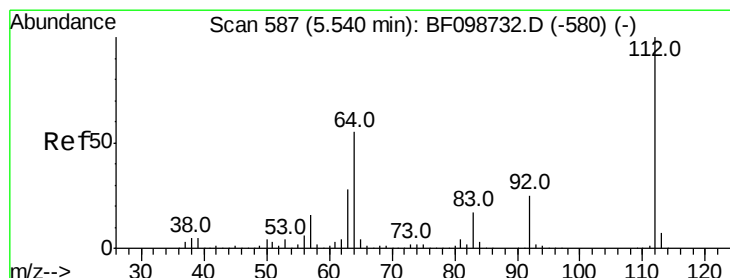
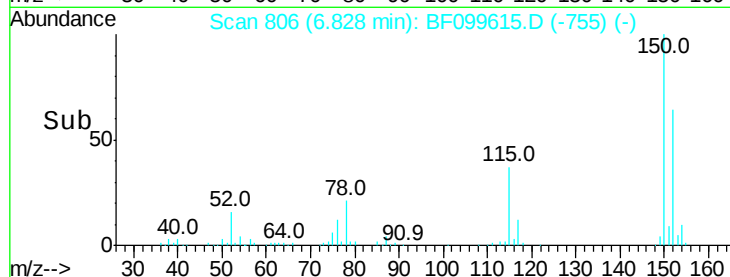
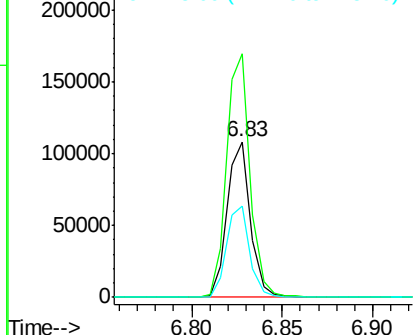
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.5	124.6	186.8
115	58.3	50.1	75.1

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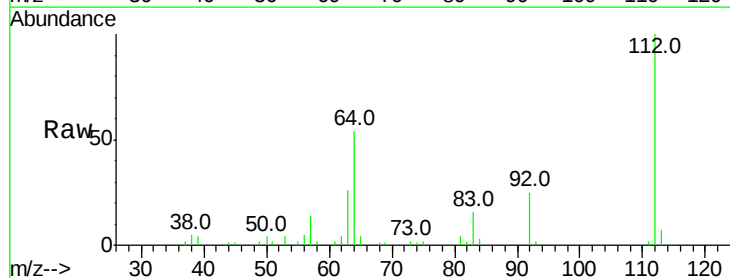
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



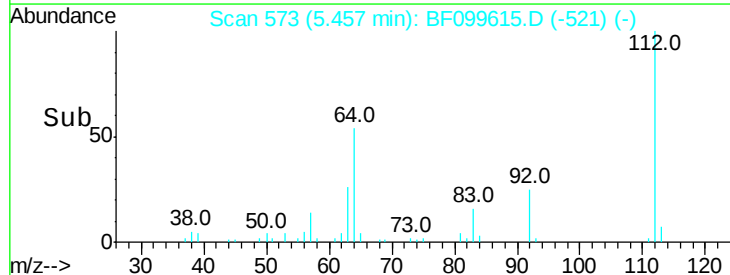
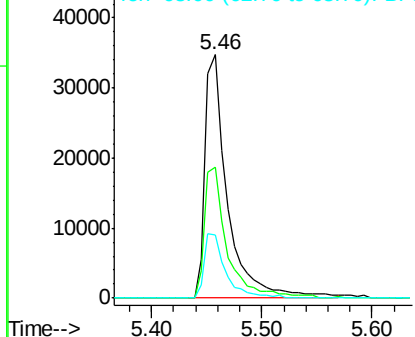
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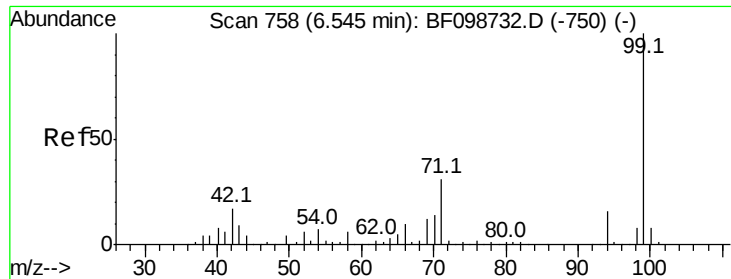
2-Fluorophenol
Concen: 7.912 ng
RT: 5.46 min Scan# 573
Delta R.T. 0.01 min
Lab File: BF099615.D
Acq: 18 Oct 2017 14:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.0	47.9	71.9
63	26.1	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: 7.920 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF099615.D

Acq: 18 Oct 2017 14:11

Instrument :

BNA_F

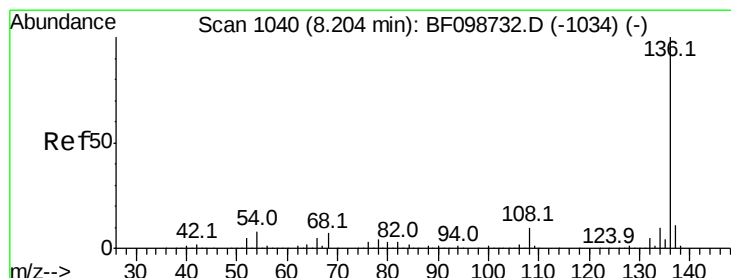
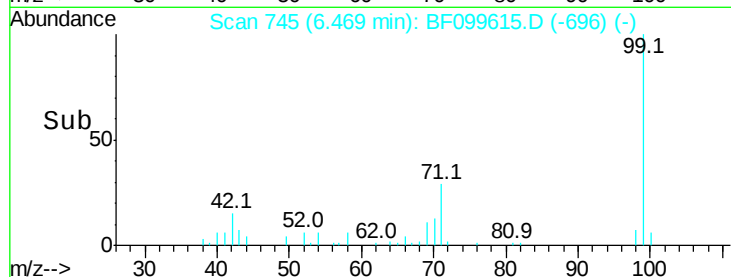
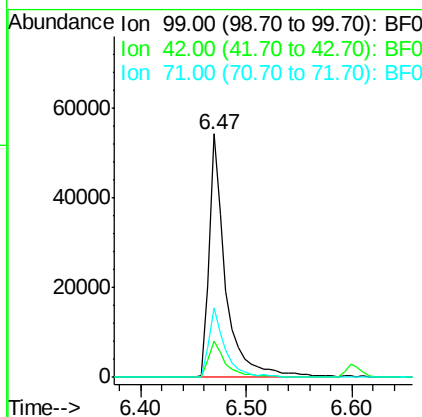
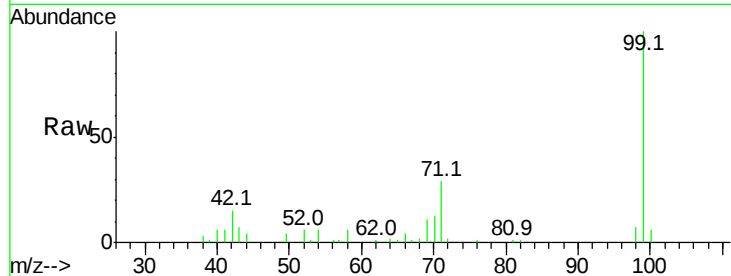
ClientSampleId :

OR-02-101317

Tot Ion:	99	Resp:	59343
Ion Ratio	Lower	Upper	
99	100		
42	14.9	14.5	21.7
71	28.7	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

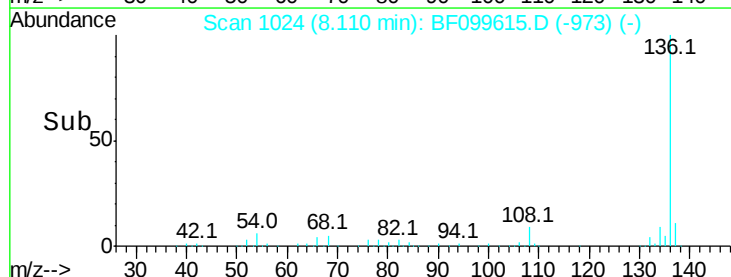
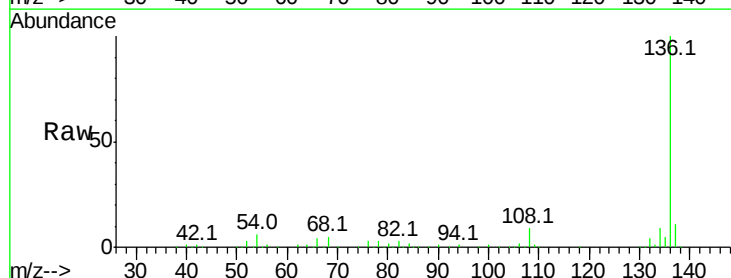
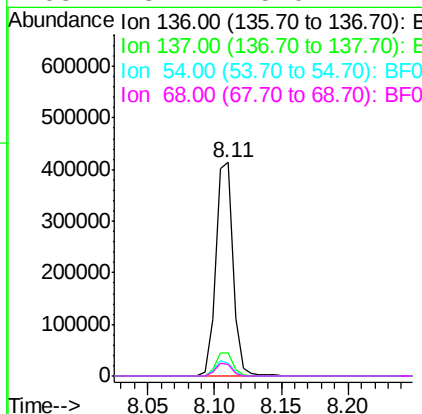
RT: 8.11 min Scan# 1024

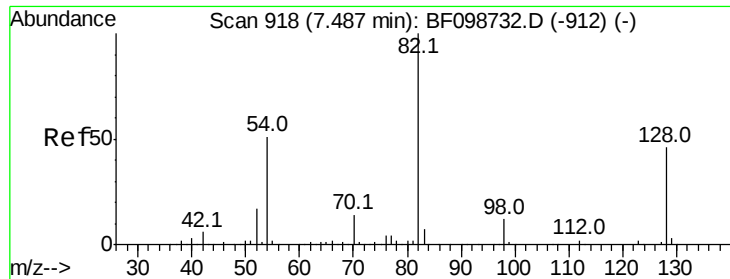
Delta R.T. 0.00 min

Lab File: BF099615.D

Acq: 18 Oct 2017 14:11

Tgt Ion:	136	Resp:	381149
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.9	13.3
54	6.2	6.6	9.8#
68	5.4	5.0	7.4





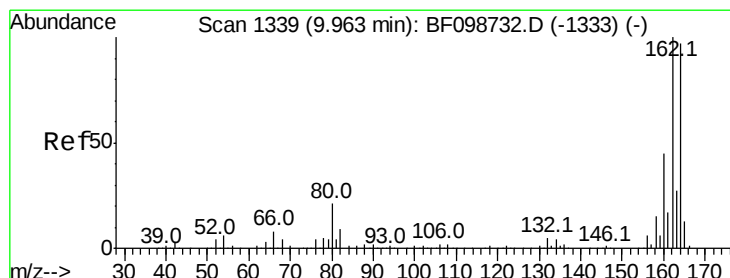
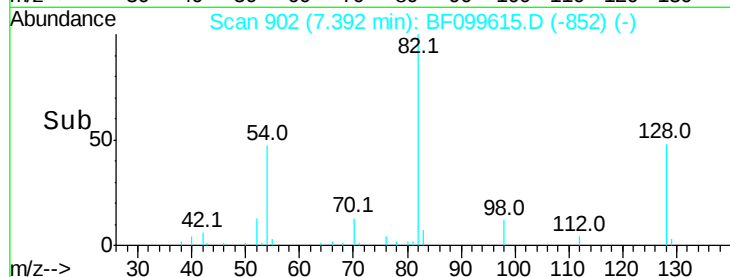
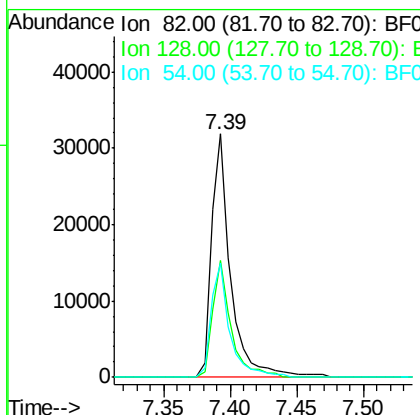
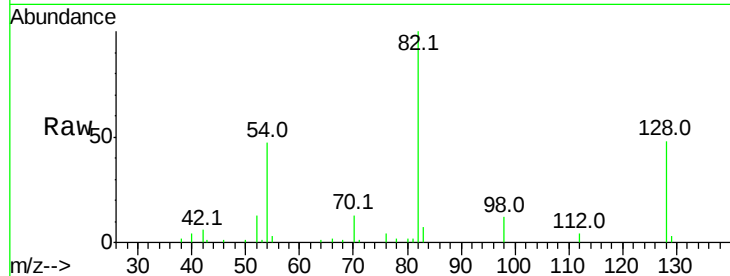
#23
 Nitrobenzene-d5
 Concen: 5.350 ng
 RT: 7.39 min Scan# 902
 Delta R.T. -0.01 min
 Lab File: BF099615.D
 Acq: 18 Oct 2017 14:11

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-101317

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.9	36.1	54.1
54	47.0	41.4	62.2

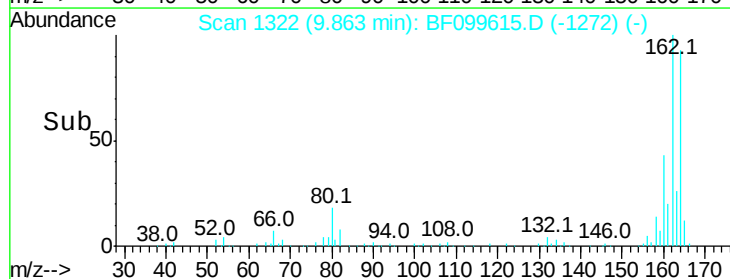
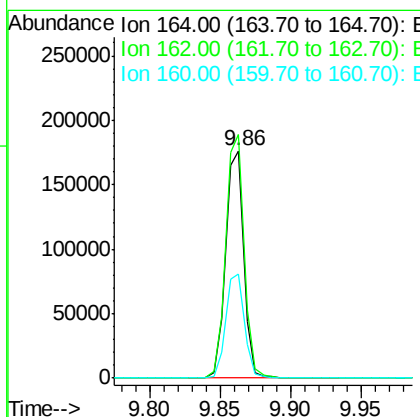
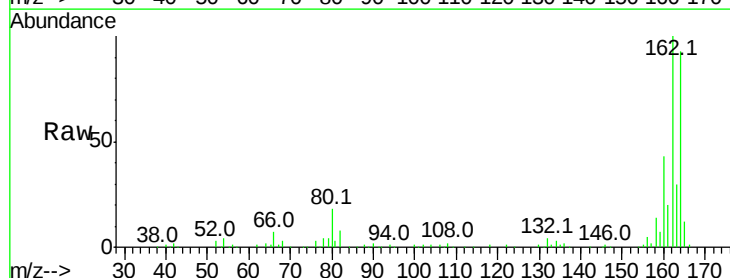
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: BF099615.D
 Acq: 18 Oct 2017 14:11

Tgt Ion	Ratio	Lower	Upper
164	100		
162	107.0	86.1	129.1
160	45.8	38.3	57.5





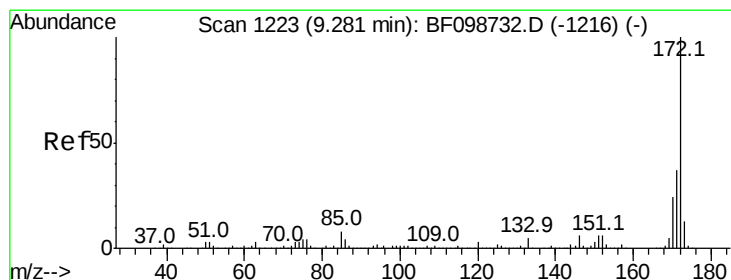
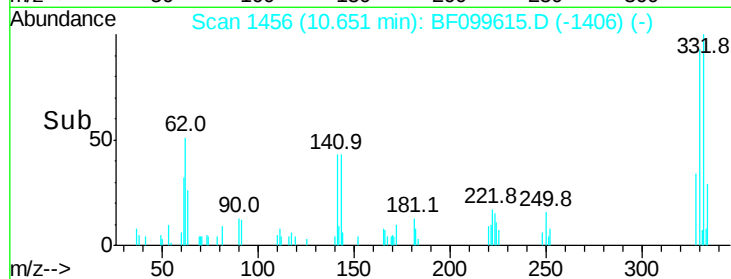
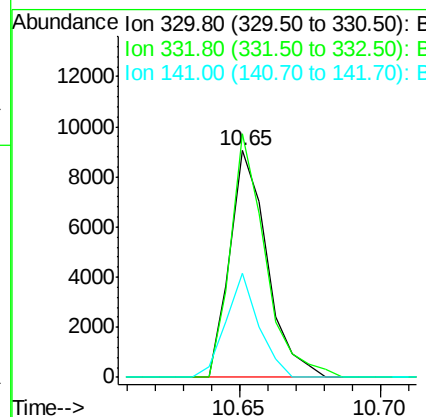
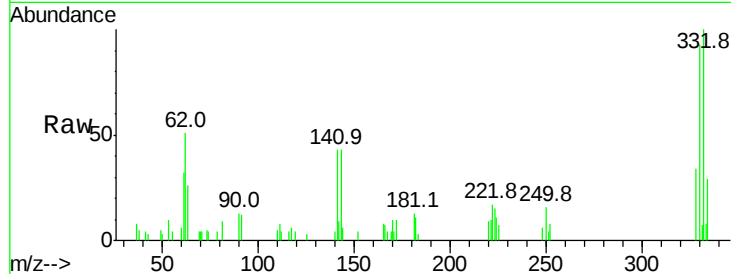
#41
 2,4,6-Tribromophenol
 Concen: 6.456 ng
 RT: 10.65 min Scan# 1456
 Delta R.T. -0.01 min
 Lab File: BF099615.D
 Acq: 18 Oct 2017 14:11

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-101317

Tot Ion	Ratio	Lower	Upper
330	100		
332	100.9	77.0	115.6
141	40.5	29.9	44.9

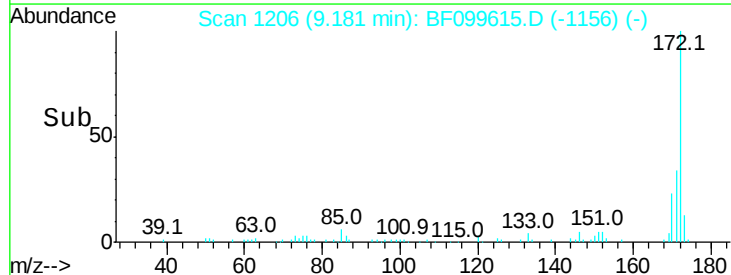
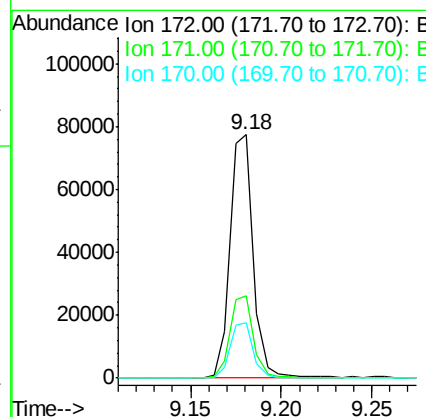
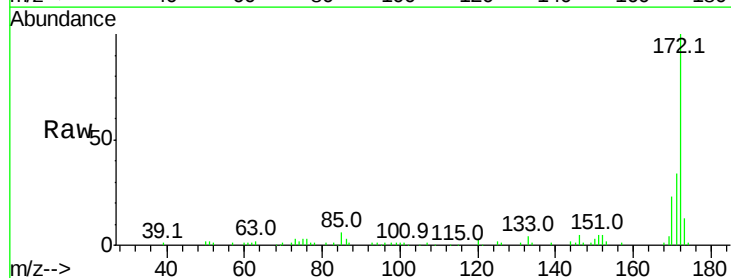
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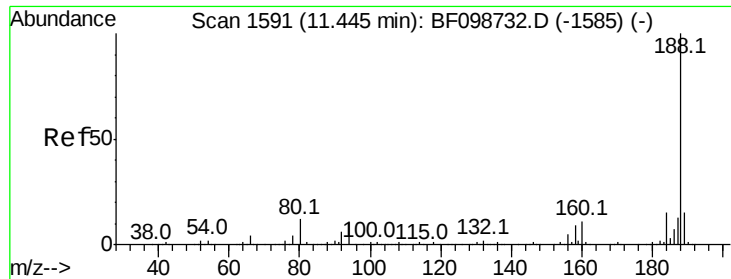
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#44
 2-Fluorobiphenyl
 Concen: 7.377 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: BF099615.D
 Acq: 18 Oct 2017 14:11

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.8	29.7	44.5
170	22.5	19.6	29.4





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.35 min Scan# 1574

Delta R.T. -0.01 min

Lab File: BF099615.D

Acq: 18 Oct 2017 14:11

Instrument :

BNA_F

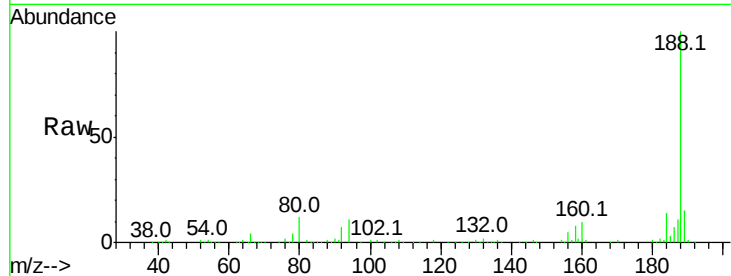
ClientSampleId :

OR-02-101317

Tot Ion:	188	Resp:	234686
Ion Ratio	Lower	Upper	
188	100		
94	11.3	8.5	12.7
80	11.5	9.2	13.8

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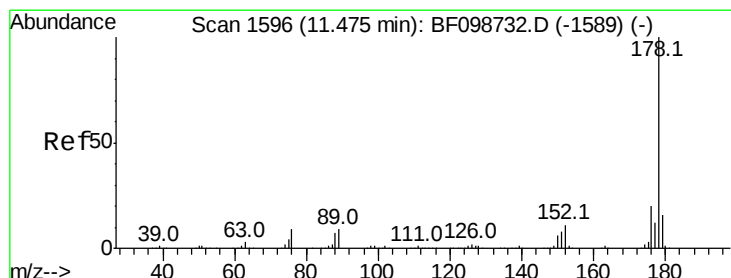
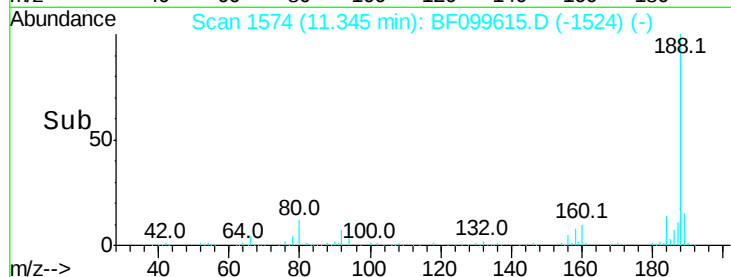
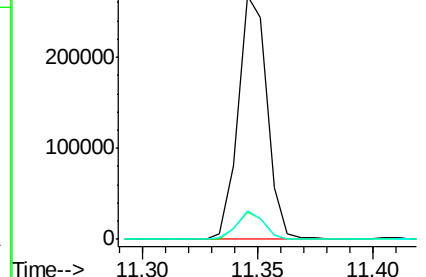
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 5.108 ng

RT: 11.37 min Scan# 1578

Delta R.T. -0.01 min

Lab File: BF099615.D

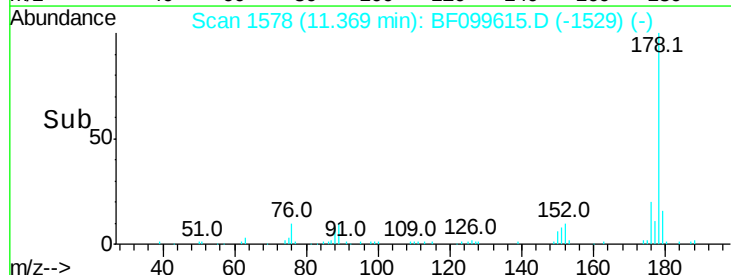
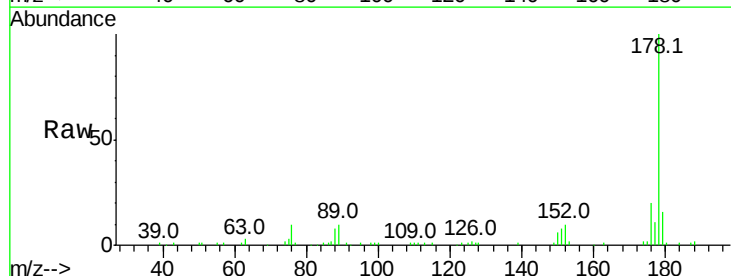
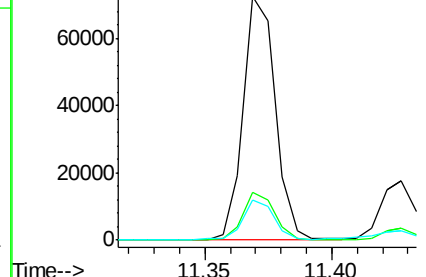
Acq: 18 Oct 2017 14:11

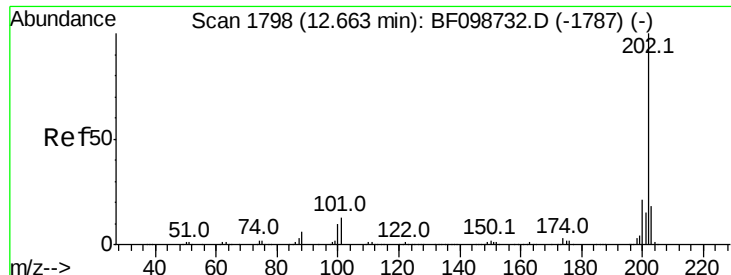
Tgt Ion:	178	Resp:	64166
Ion Ratio	Lower	Upper	
178	100		
176	19.7	15.8	23.8
179	16.2	13.0	19.6

Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 6.280 ng

RT: 12.56 min Scan# 1781

Delta R.T. -0.01 min

Lab File: BF099615.D

Acq: 18 Oct 2017 14:11

Instrument :

BNA_F

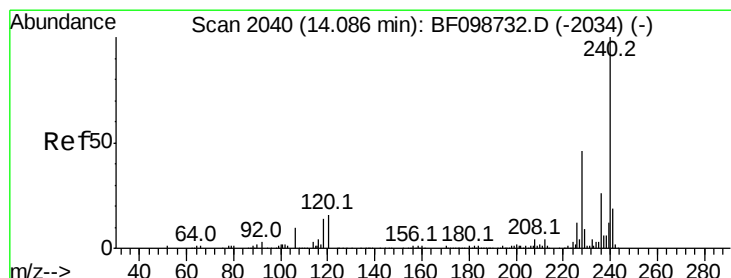
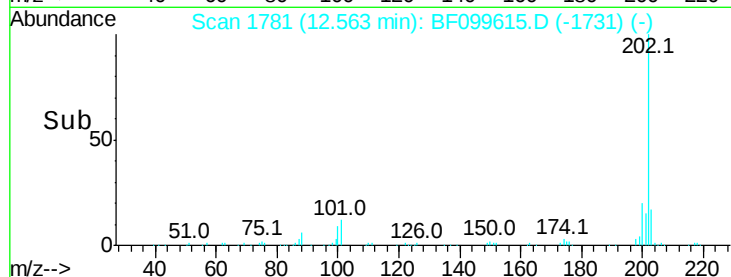
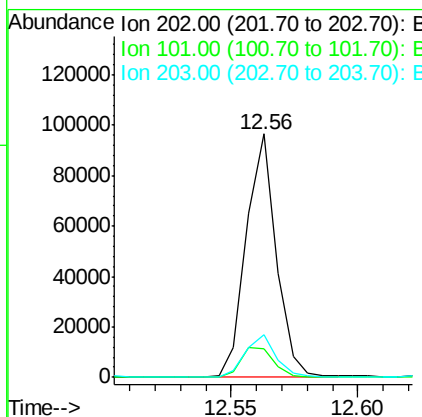
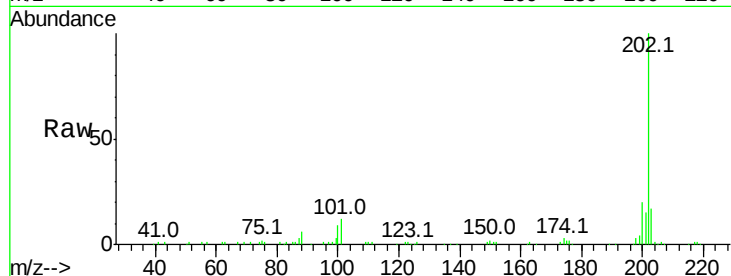
ClientSampleId :

OR-02-101317

Tot Ion:	202	Resp:	79886
Ion Ratio	Lower	Upper	
202	100		
101	11.8	0.0	34.1
203	17.5	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

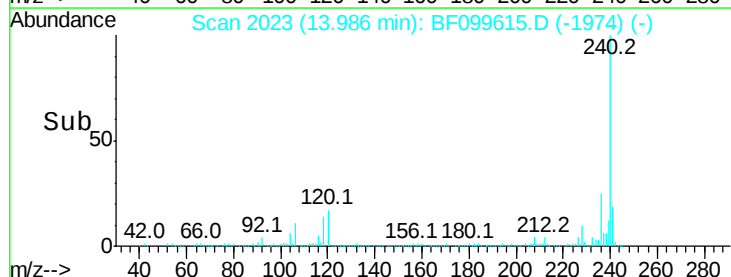
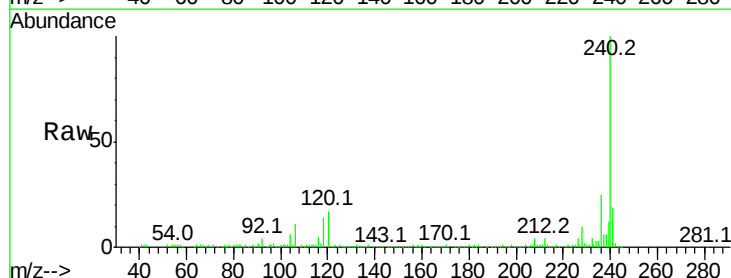
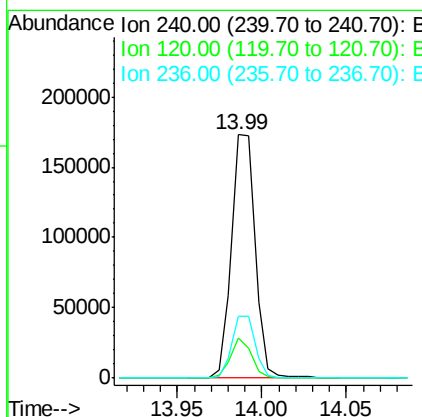
RT: 13.99 min Scan# 2023

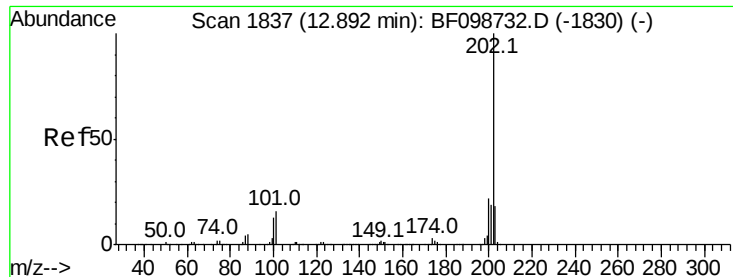
Delta R.T. -0.01 min

Lab File: BF099615.D

Acq: 18 Oct 2017 14:11

Tgt Ion:	240	Resp:	168135
Ion Ratio	Lower	Upper	
240	100		
120	16.7	9.5	14.3#
236	25.2	20.7	31.1





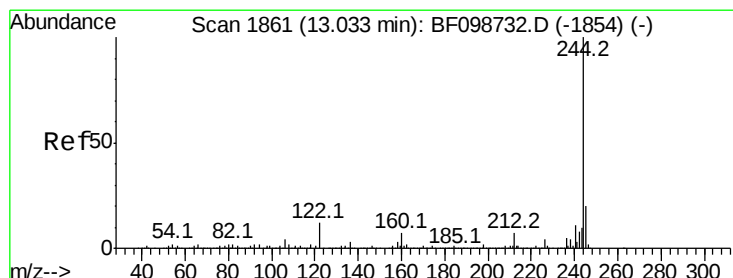
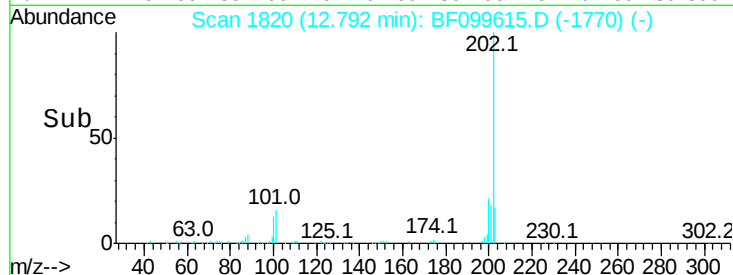
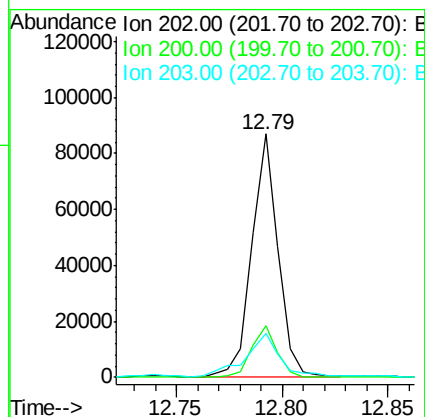
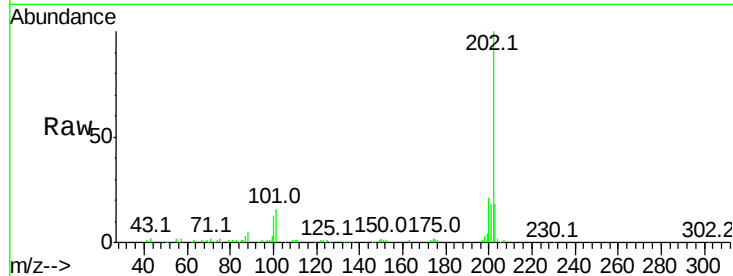
#77
Pvrene
Concen: 5.917 ng
RT: 12.79 min Scan# 1820
Delta R.T. -0.01 min
Lab File: BF099615.D
Acq: 18 Oct 2017 14:11

Instrument :
BNA_F
ClientSampleId :
OR-02-101317

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.3	17.4	26.2
203	18.1	14.3	21.5

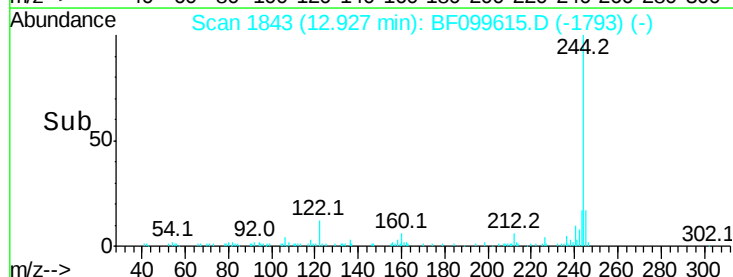
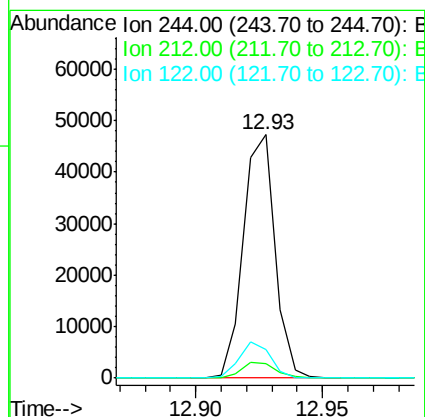
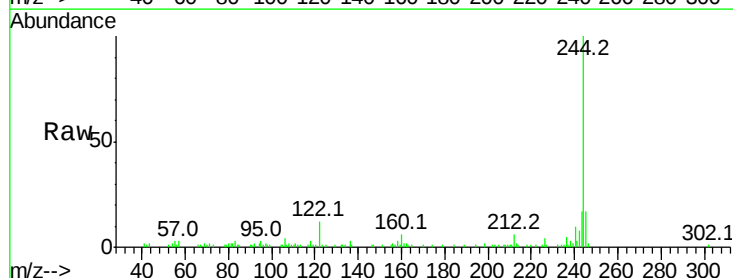
Manual Integrations
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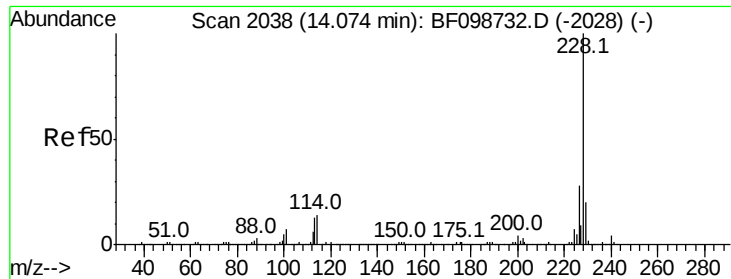
Sohil
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#78
Terphenyl-d14
Concen: 5.557 ng
RT: 12.93 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BF099615.D
Acq: 18 Oct 2017 14:11

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.1	5.4	8.0
122	11.6	11.0	16.4





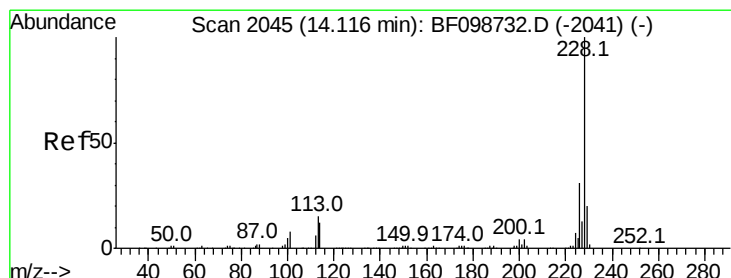
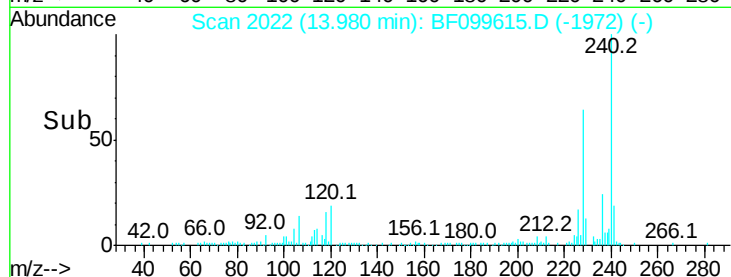
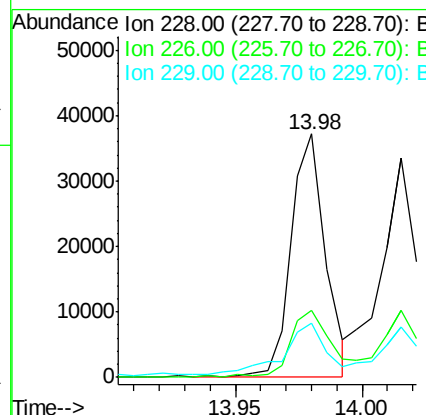
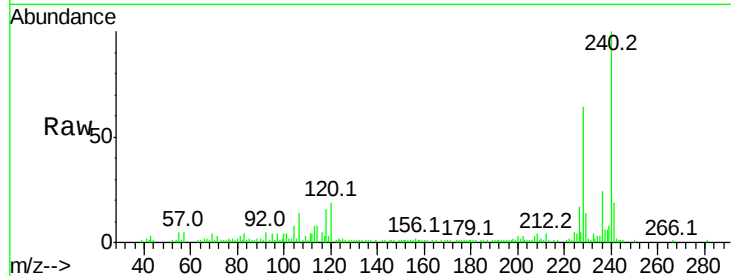
#80
Benzo(a)anthracene
Concen: 3.454 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF099615.D
Acq: 18 Oct 2017 14:11

Instrument :
BNA_F
ClientSampleId :
OR-02-101317

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.6	33.8
229	22.1	15.8	23.6

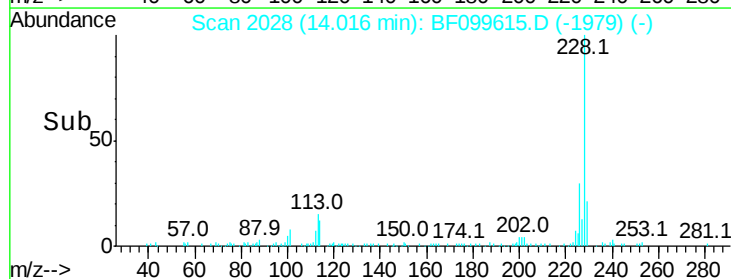
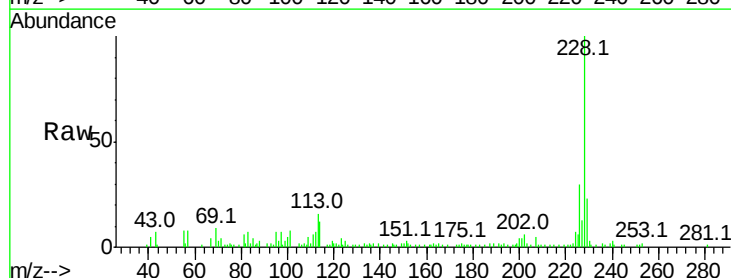
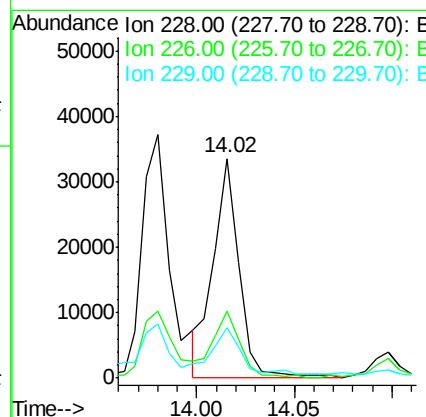
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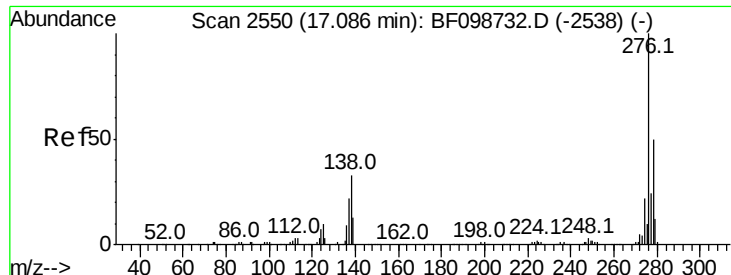
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#82
Chrysene
Concen: 3.216 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF099615.D
Acq: 18 Oct 2017 14:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.0	37.6
229	22.8	16.2	24.4





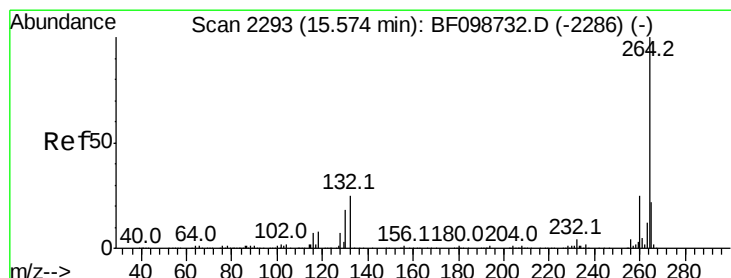
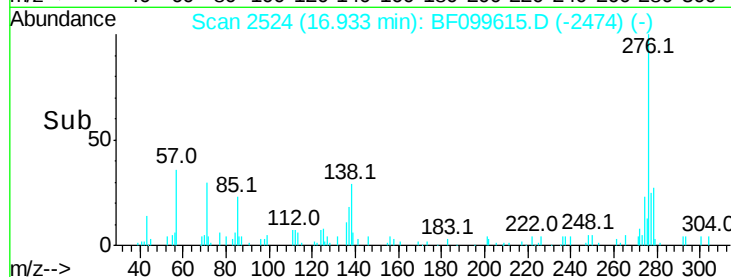
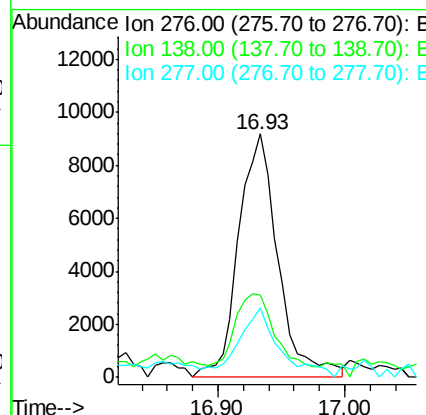
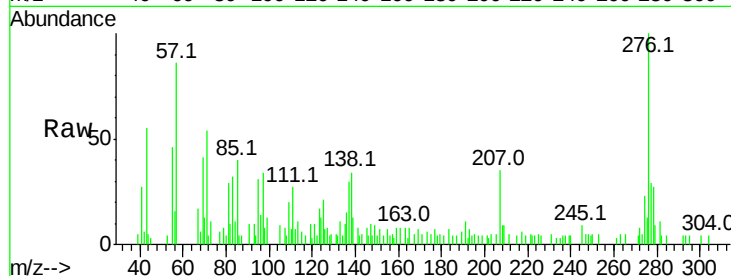
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.553 ng
RT: 16.93 min Scan# 2524
Delta R.T. -0.01 min
Lab File: BF099615.D
Acq: 18 Oct 2017 14:11

Instrument :
BNA_F
ClientSampleId :
OR-02-101317

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.4	25.0	37.6
277	28.6	20.1	30.1

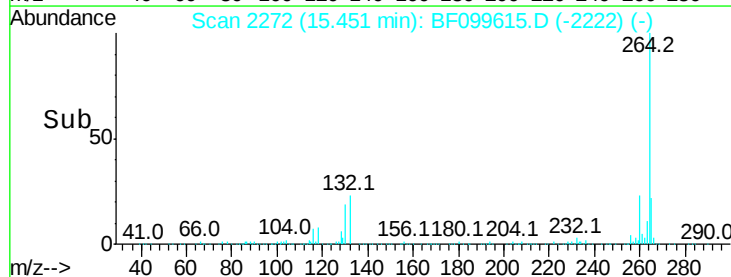
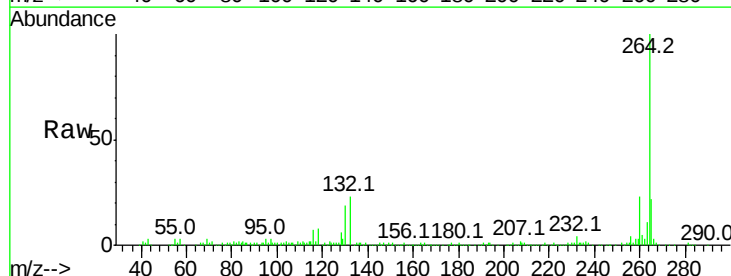
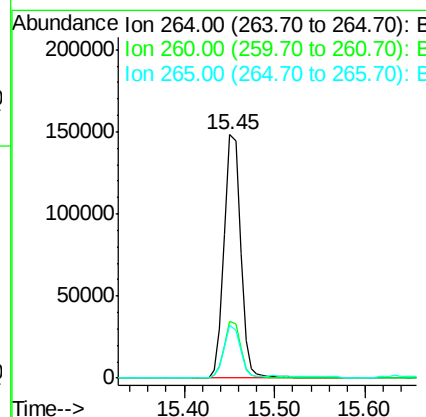
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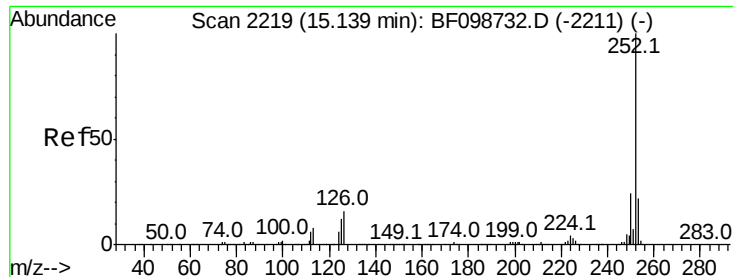
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BF099615.D
Acq: 18 Oct 2017 14:11

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	21.8	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 3.484 ng

RT: 15.03 min Scan# 2200

Delta R.T. -0.01 min

Lab File: BF099615.D

Acq: 18 Oct 2017 14:11

Instrument :

BNA_F

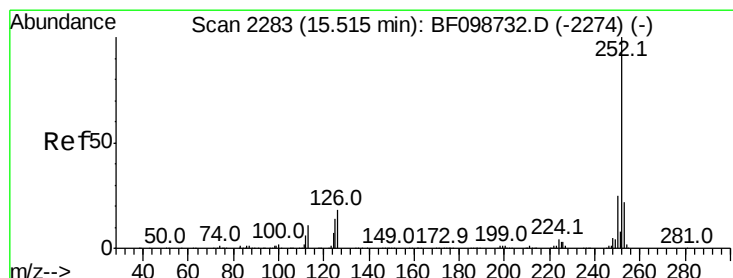
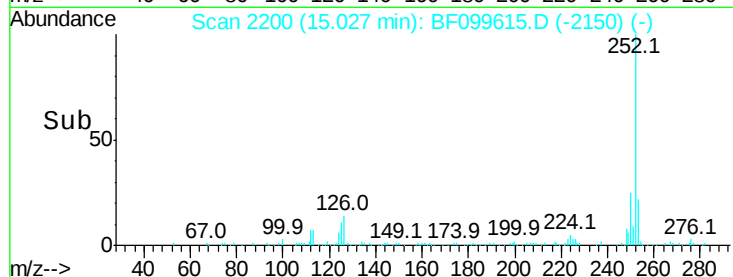
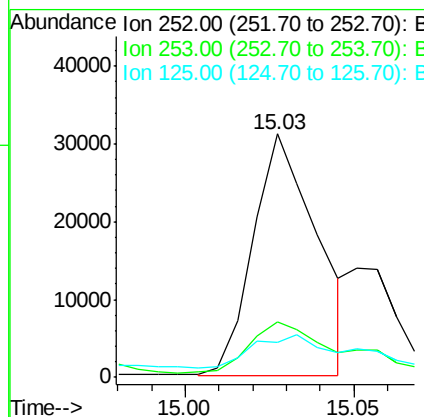
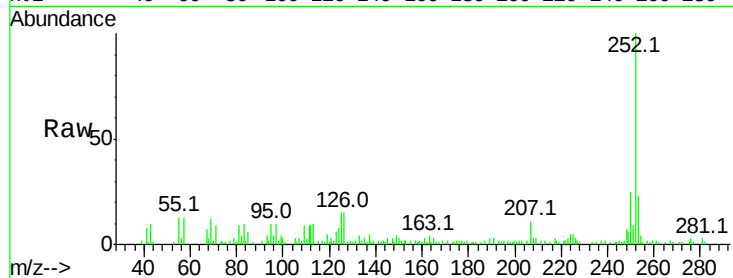
ClientSampleId :

OR-02-101317

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.6
125	14.6	9.0	13.6

Manual Integrations
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#89

Benzo(a)pyrene

Concen: 3.150 ng

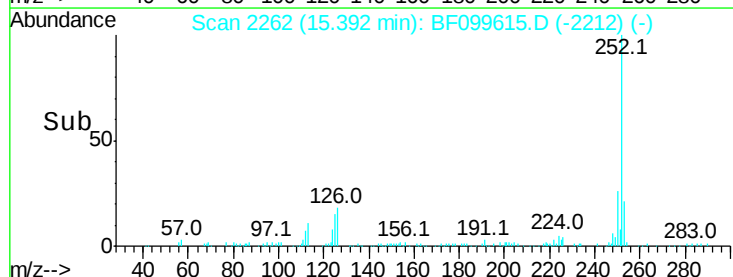
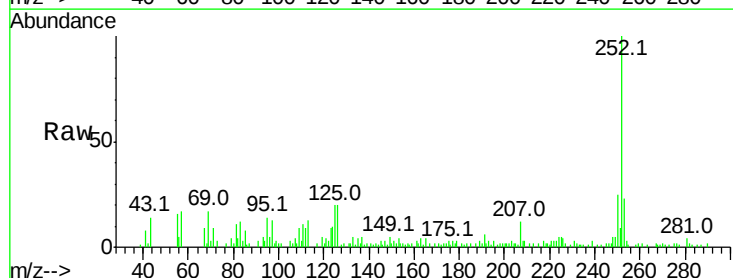
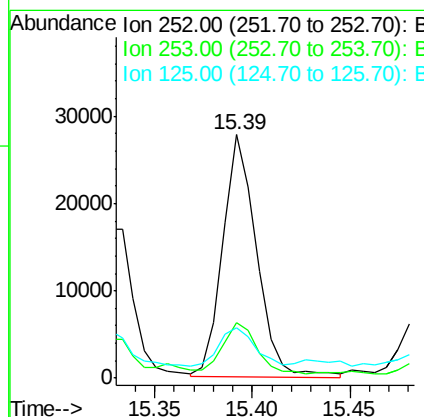
RT: 15.39 min Scan# 2262

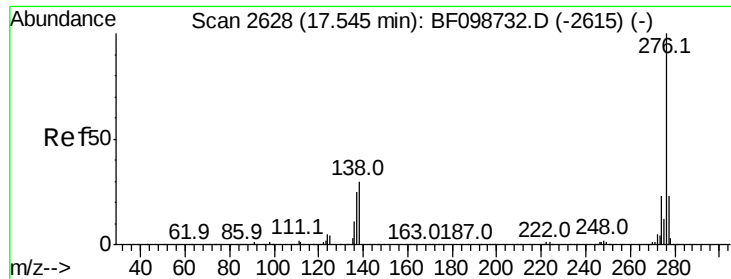
Delta R.T. -0.01 min

Lab File: BF099615.D

Acq: 18 Oct 2017 14:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.1	25.7
125	20.4	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 2.317 ng
 RT: 17.38 min Scan# 2600
 Delta R.T. 0.01 min
 Lab File: BF099615.D
 Acq: 18 Oct 2017 14:11

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-101317

Tot Ion	Ratio	Lower	Upper
276	100		
277	29.7	17.9	26.9#
138	32.9	21.8	32.8#

Manual Integrations
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