

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF090717\
 Data File : BF098316.D
 Acq On : 7 Sep 2017 16:25
 Operator : SJ/JU
 Sample : I5075-10
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 292

Manual Integrations
 APPROVED

Sohil
 9/8/2017 5:45:14 PM

Quant Time: Sep 07 17:34:58 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 05 17:28:20 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	111061	20.00	ng	-0.02
21) Naphthalene-d8	7.97	136	442622	20.00	ng	-0.02
38) Acenaphthene-d10	9.72	164	190189	20.00	ng	-0.02
63) Phenanthrene-d10	11.20	188	320059	20.00	ng	-0.02
75) Chrysene-d12	13.84	240	236481	20.00	ng	-0.02
86) Perylene-d12	15.26	264	221111	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	734792	100.64	ng	0.00
7) Phenol-d6	6.33	99	1008466	101.65	ng	-0.02
23) Nitrobenzene-d5	7.26	82	624492	76.65	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	175318	106.24	ng	-0.02
44) 2-Fluorobiphenyl	9.05	172	940721	72.67	ng	-0.02
78) Terphenyl-d14	12.79	244	634483	55.95	ng	-0.02
Target Compounds						
49) Dimethylphthalate	9.45	163	164497	11.832	ng	99
70) Phenanthrene	11.23	178	176320	10.338	ng	97
71) Anthracene	11.28	178	45609	2.637	ng	99
74) Fluoranthene	12.42	202	312268	17.542	ng	97
77) Pyrene	12.64	202	292146	15.105	ng	98
80) Benzo(a)anthracene	13.83	228	151820	10.712	ng	98
82) Chrysene	13.87	228	145479	10.318	ng	98
83) Bis(2-ethylhexyl)phthalate	13.83	149	21333	2.596	ng	# 98
87) Benzo(b)fluoranthene	14.86	252	179794m	12.900	ng	
88) Benzo(k)fluoranthene	14.87	252	64393m	4.918	ng	
89) Benzo(a)pyrene	15.19	252	125788	10.195	ng	# 95
91) Benzo(a,h,i)perylene	17.02	276	67190	6.411	ng	95

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

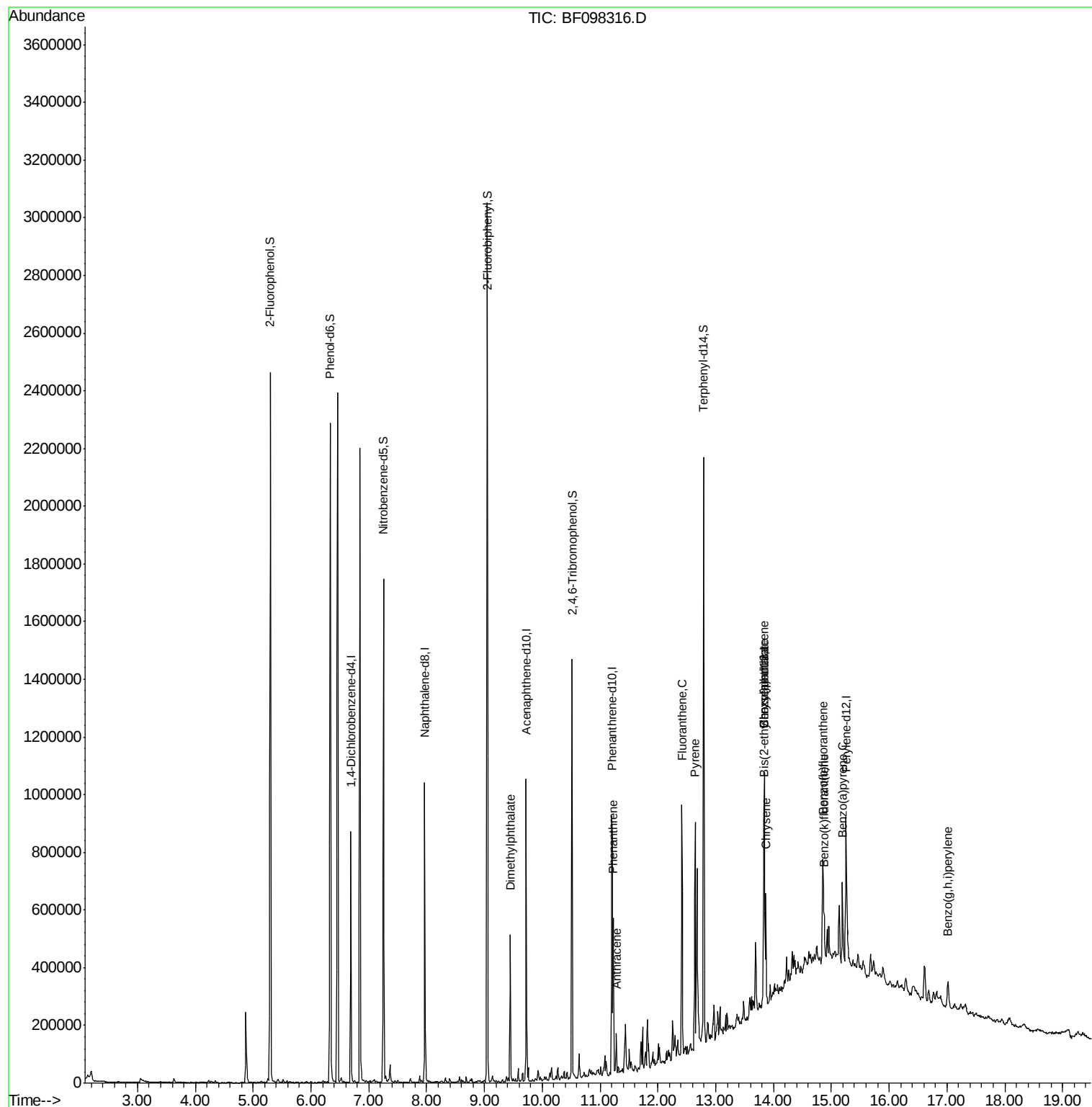
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF090717\
Data File : BF098316.D
Acq On : 7 Sep 2017 16:25
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ALS Vial : 6 Sample Multiplier: 1

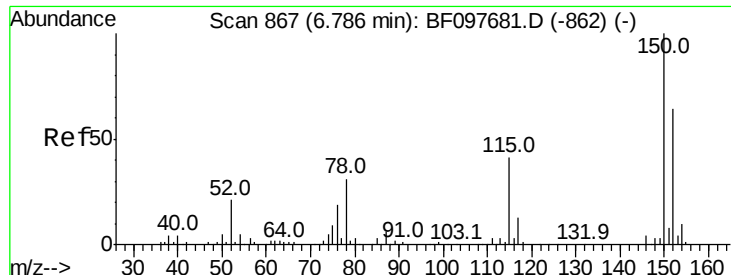
Instrument :
BNA_F
ClientSampleId :
292

Manual Integrations
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Sohil
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Quant Time: Sep 07 17:34:58 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

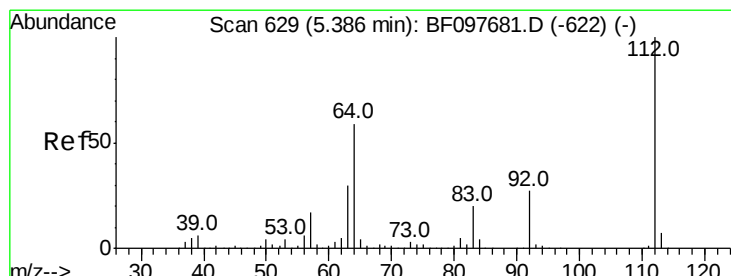
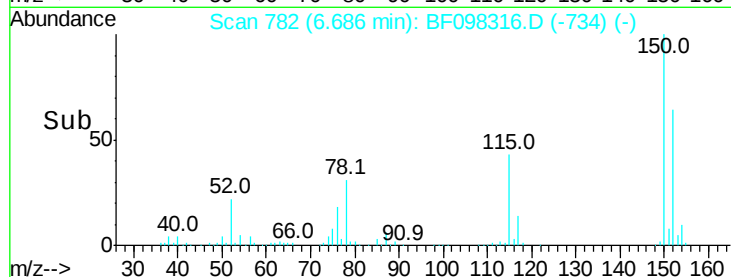
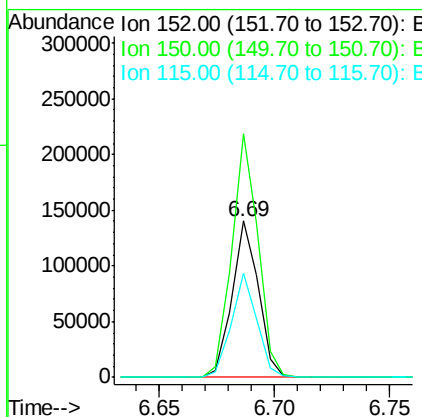
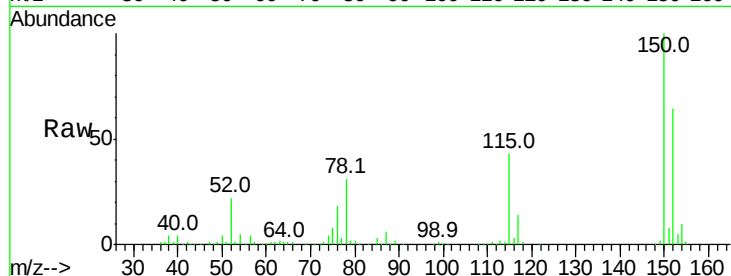
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 782
Delta R.T. -0.02 min
Lab File: BF098316.D
Acq: 7 Sep 2017 16:25

Instrument :
BNA_F
ClientSampled :
292

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	126.2	189.2
115	66.8	52.2	78.2

Manual Integrations
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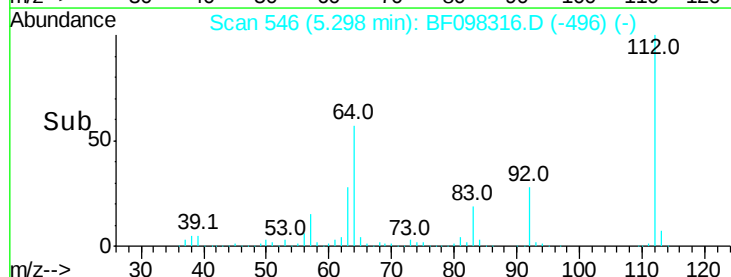
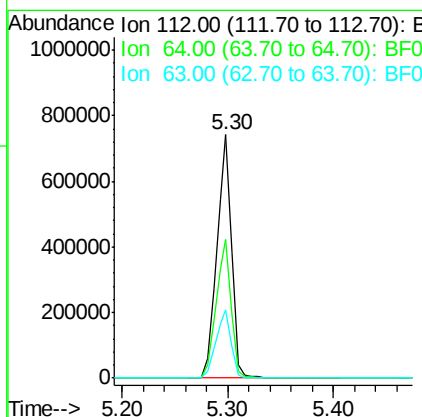
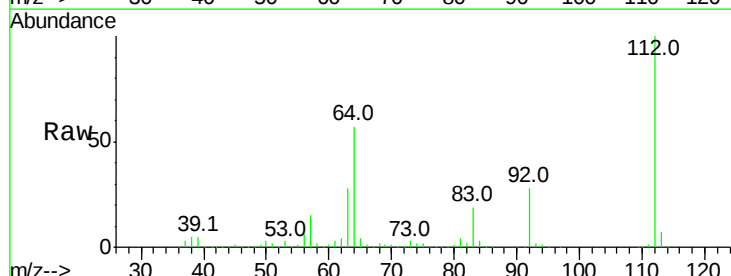
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#5

2-Fluorophenol
Concen: 100.636 ng
RT: 5.30 min Scan# 546
Delta R.T. -0.01 min
Lab File: BF098316.D
Acq: 7 Sep 2017 16:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.9	46.0	69.0
63	28.3	23.4	35.0





#7

Phenol-d6

Concen: 101.653 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.02 min

Lab File: BF098316.D

Acq: 7 Sep 2017 16:25

Instrument :

BNA_F

ClientSampled :

292

Tot Ion: 99 Resp: 1008466

Ion Ratio Lower Upper

99 100

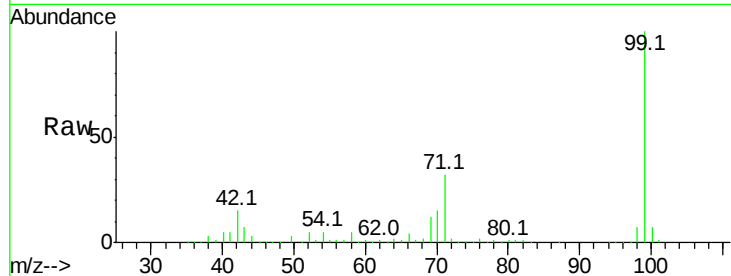
42 14.7 13.5 20.3

71 31.8 24.5 36.7

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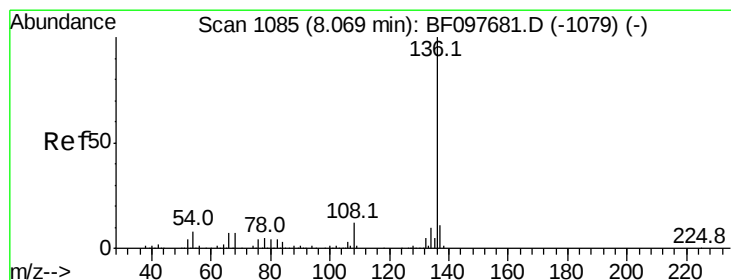
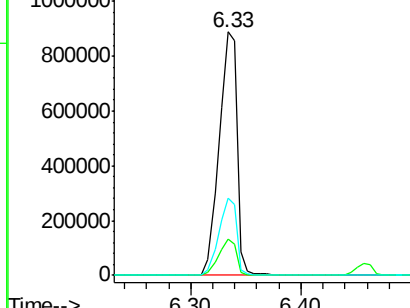
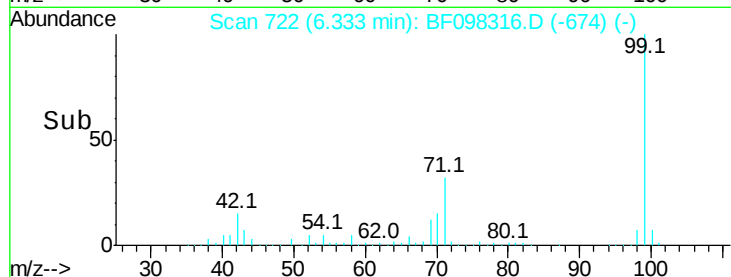
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Abundance Ion 99.00 (98.70 to 99.70): BF0

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: 7.97 min Scan# 1000

Delta R.T. -0.02 min

Lab File: BF098316.D

Acq: 7 Sep 2017 16:25

Tgt Ion: 136 Resp: 442622

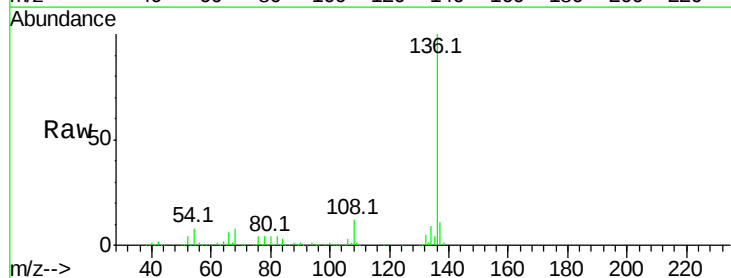
Ion Ratio Lower Upper

136 100

137 11.4 8.5 12.7

54 8.1 4.9 7.3#

68 7.9 4.1 6.1#

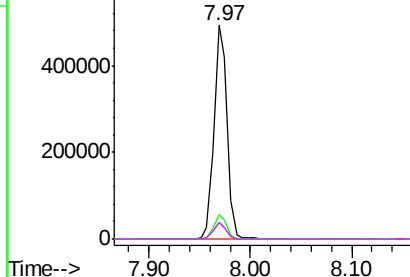
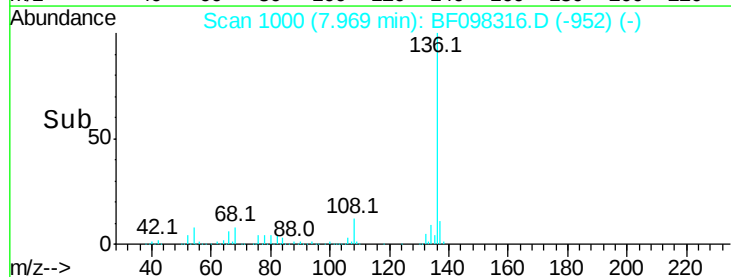


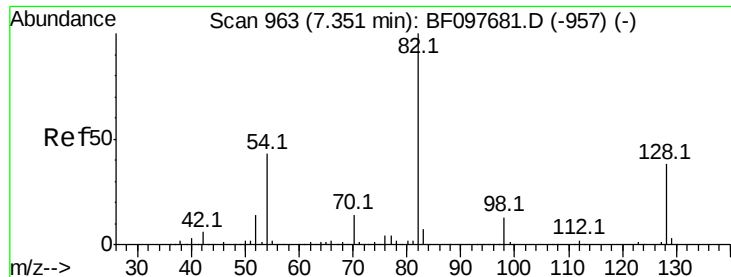
Abundance Ion 136.00 (135.70 to 136.70): E

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





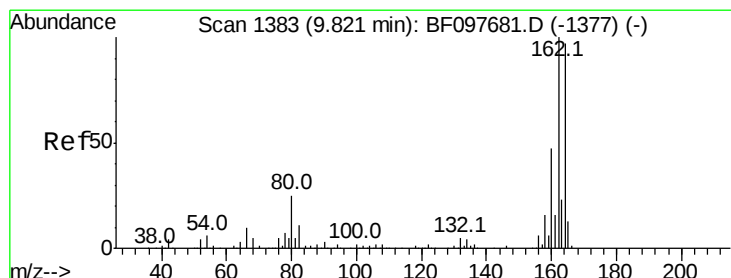
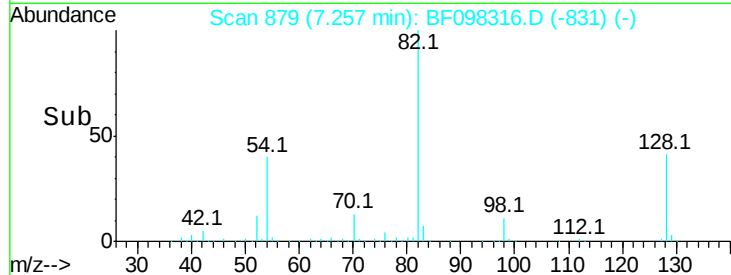
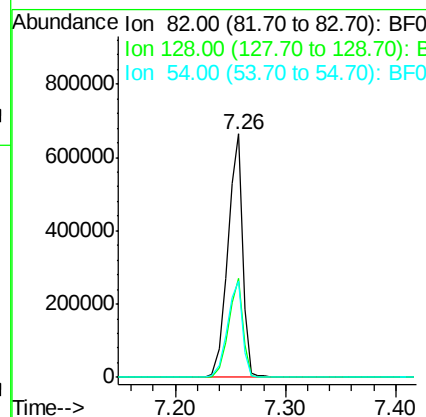
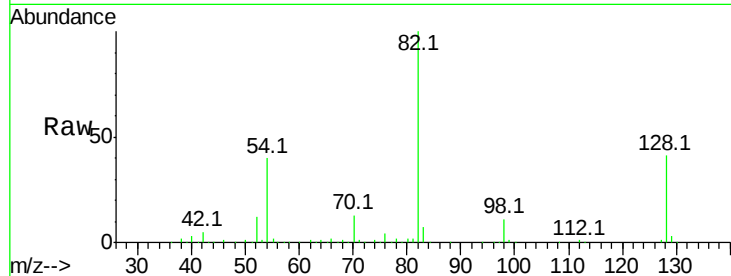
#23
 Nitrobenzene-d5
 Concen: 76.646 ng
 RT: 7.26 min Scan# 879
 Delta R.T. -0.02 min
 Lab File: BF098316.D
 Acq: 7 Sep 2017 16:25

Instrument :
 BNA_F
 ClientSampled :
 292

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	40.6	34.0	51.0	
54	39.6	42.2	63.2	

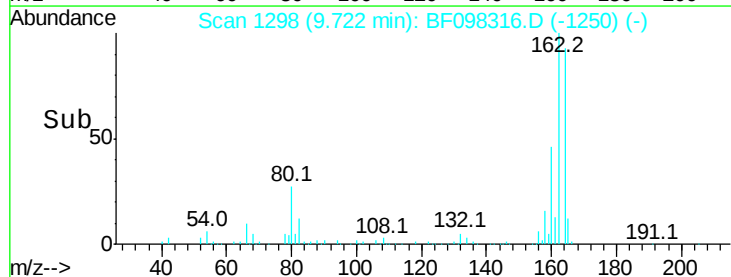
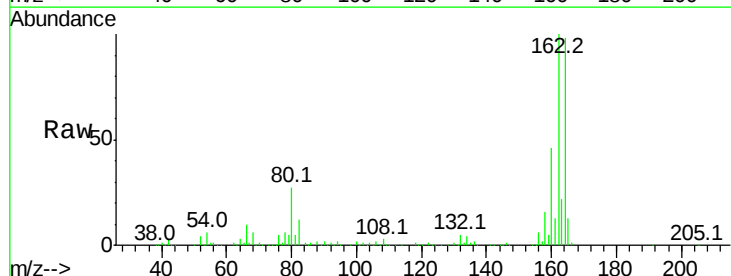
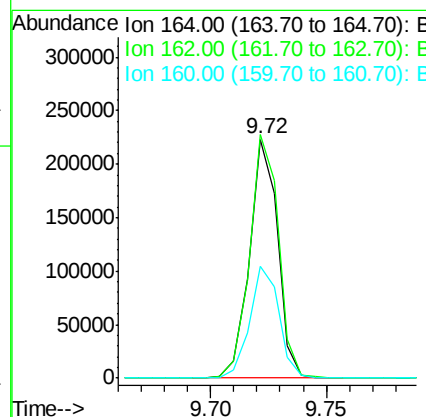
Manual Integrations
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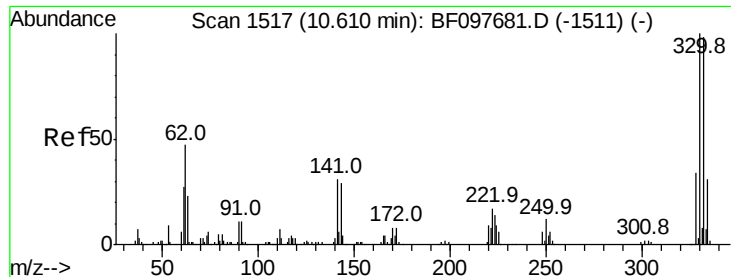
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.72 min Scan# 1298
 Delta R.T. -0.02 min
 Lab File: BF098316.D
 Acq: 7 Sep 2017 16:25

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.9	82.6	123.8	
160	46.6	36.2	54.2	





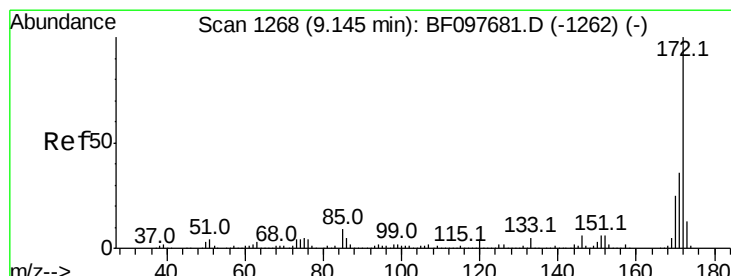
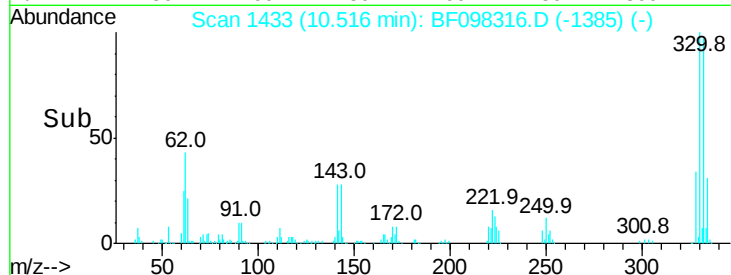
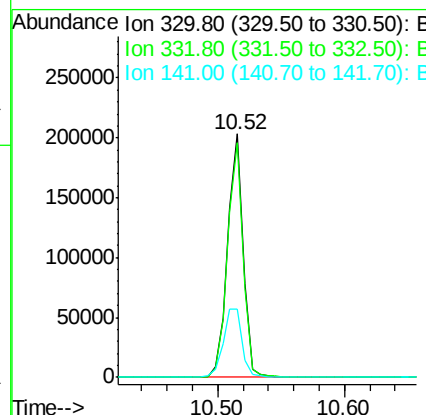
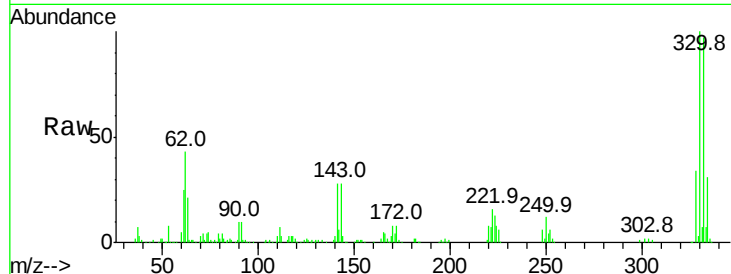
#41
 2,4,6-Tribromophenol
 Concen: 106.240 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. -0.02 min
 Lab File: BF098316.D
 Acq: 7 Sep 2017 16:25

Instrument :
 BNA_F
 ClientSampled :
 292

Tot Ion	Ratio	Resp	Lower	Upper
330	100	175318		
332	96.5	76.6	115.0	
141	34.7	31.4	47.2	

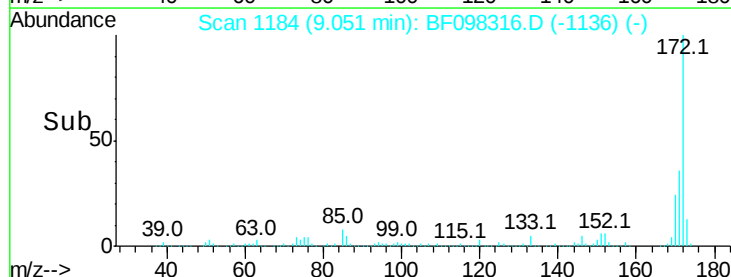
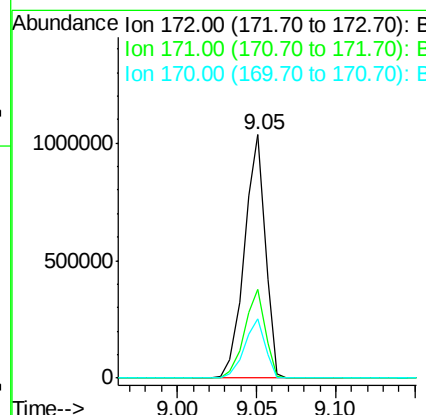
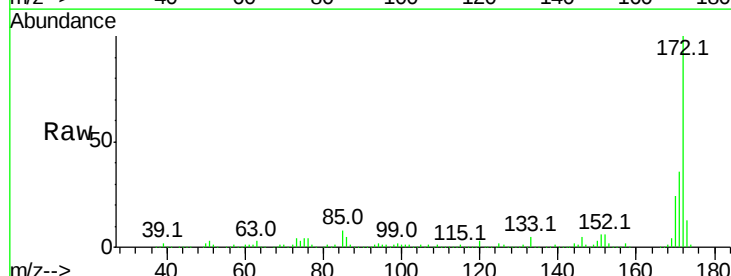
Manual Integrations
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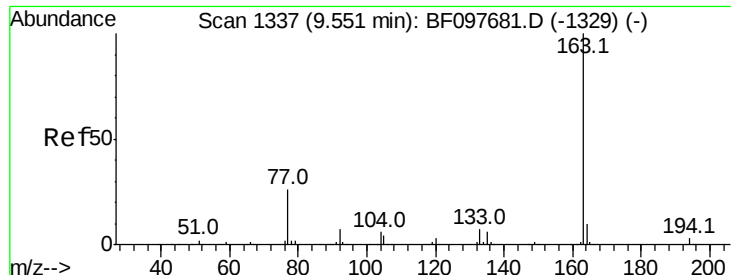
Sohil
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#44
 2-Fluorobiphenyl
 Concen: 72.670 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. -0.02 min
 Lab File: BF098316.D
 Acq: 7 Sep 2017 16:25

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	940721		
171	36.2	29.6	44.4	
170	24.2	19.8	29.8	





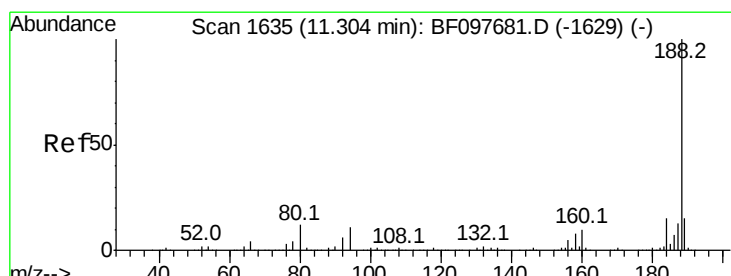
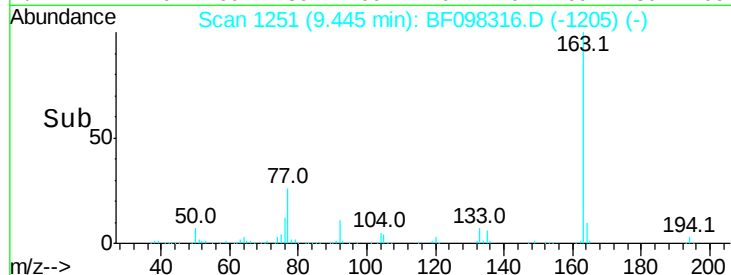
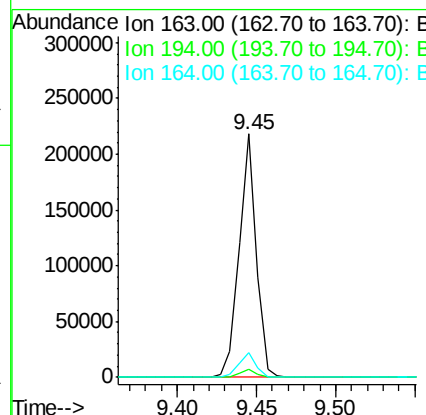
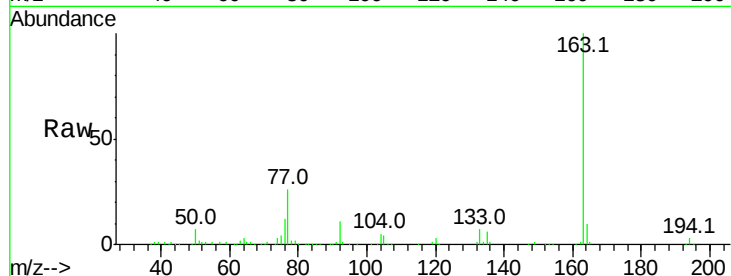
#49
Dimethylphthalate
Concen: 11.832 ng
RT: 9.45 min Scan# 1251
Delta R.T. -0.03 min
Lab File: BF098316.D
Acq: 7 Sep 2017 16:25

Instrument :
BNA_F
ClientSampled :
292

Tot Ion	Ratio	Resp	Lower	Upper
163	100	164497		
194	3.1	2.6	4.0	
164	9.9	8.4	12.6	

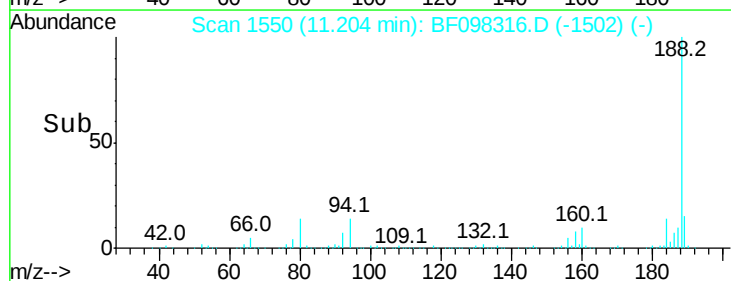
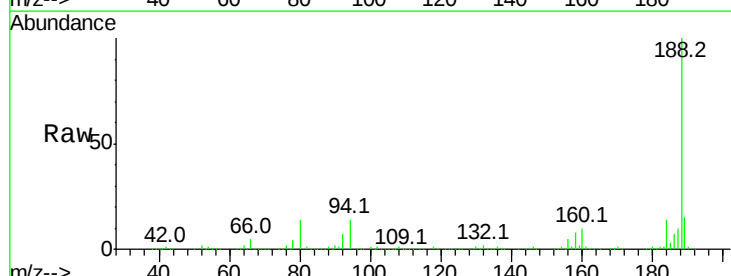
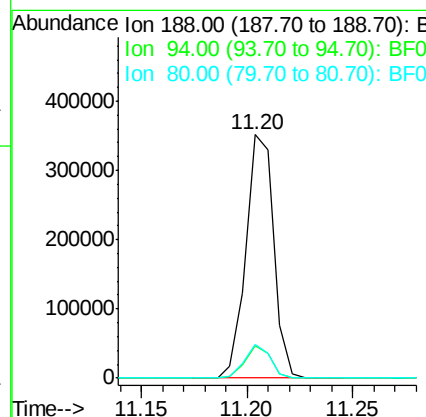
Manual Integrations
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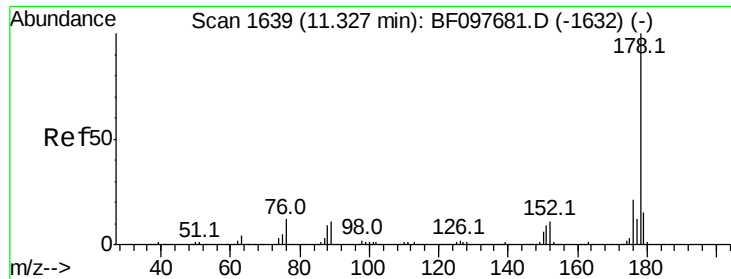
Sohil
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.20 min Scan# 1550
Delta R.T. -0.02 min
Lab File: BF098316.D
Acq: 7 Sep 2017 16:25

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	320059		
94	13.5	9.4	14.2	
80	14.0	10.2	15.2	





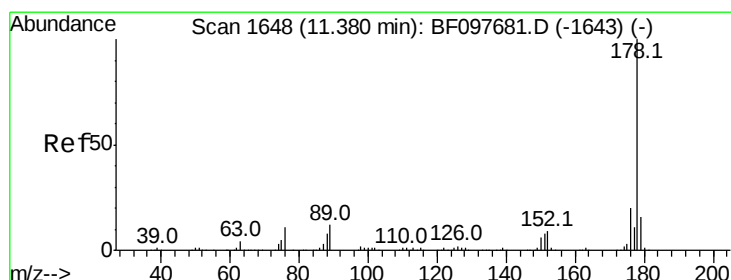
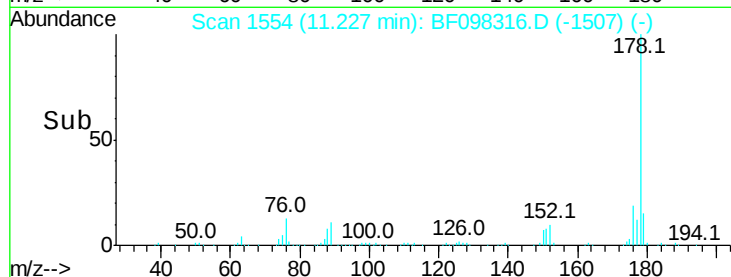
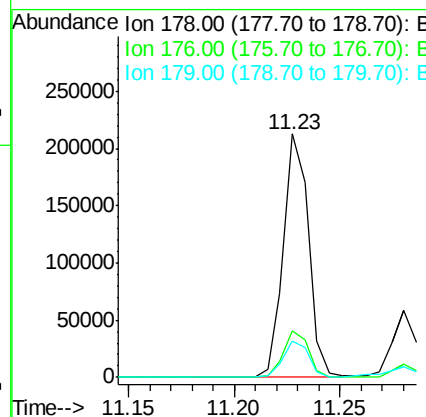
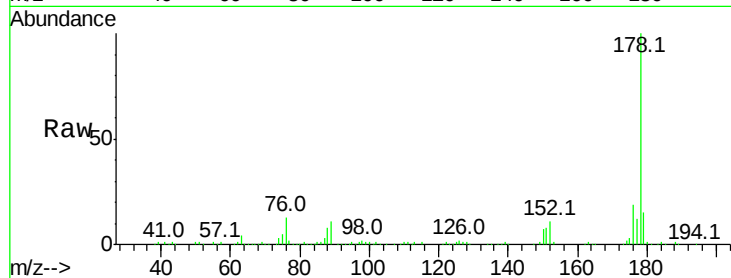
#70
Phenanthrene
Concen: 10.338 ng
RT: 11.23 min Scan# 1554
Delta R.T. -0.02 min
Lab File: BF098316.D
Acq: 7 Sep 2017 16:25

Instrument :
BNA_F
ClientSampleId :
292

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	16.2	24.4
179	14.7	12.6	19.0

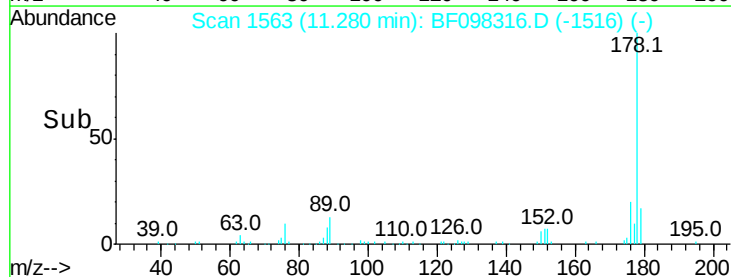
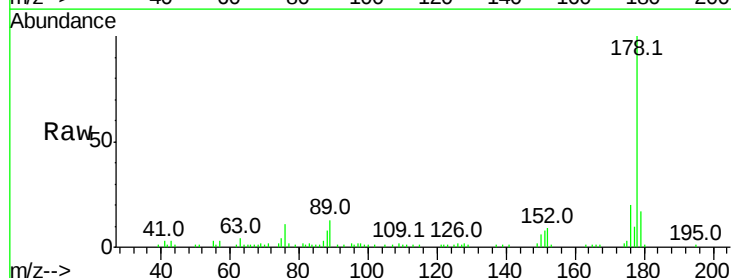
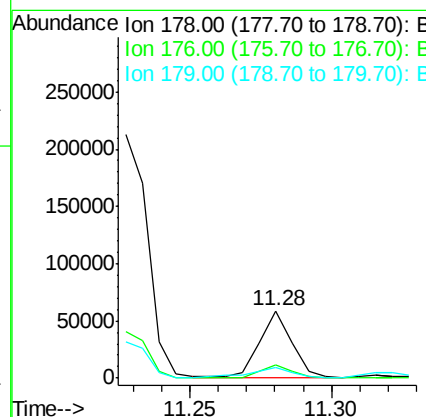
Manual Integrations
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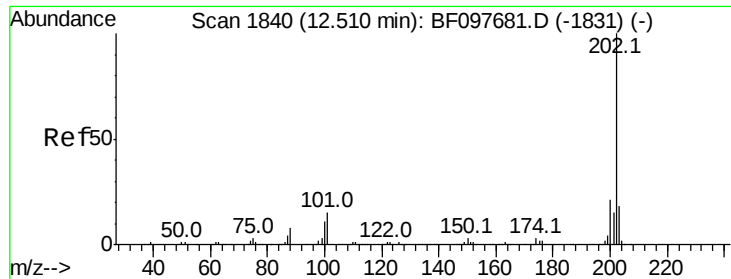
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#71
Anthracene
Concen: 2.637 ng
RT: 11.28 min Scan# 1563
Delta R.T. -0.02 min
Lab File: BF098316.D
Acq: 7 Sep 2017 16:25

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.8	23.8
179	16.8	12.7	19.1





#74

Fluoranthene

Concen: 17.542 ng

RT: 12.42 min Scan# 1756

Delta R.T. -0.02 min

Lab File: BF098316.D

Acq: 7 Sep 2017 16:25

Instrument :

BNA_F

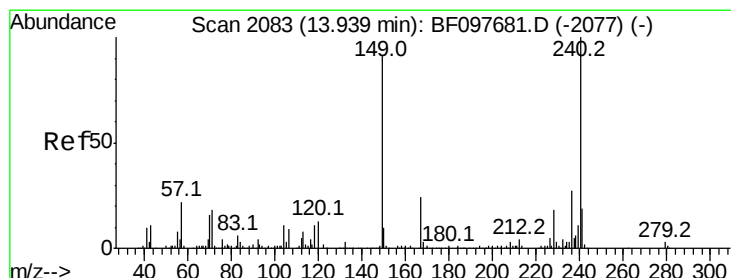
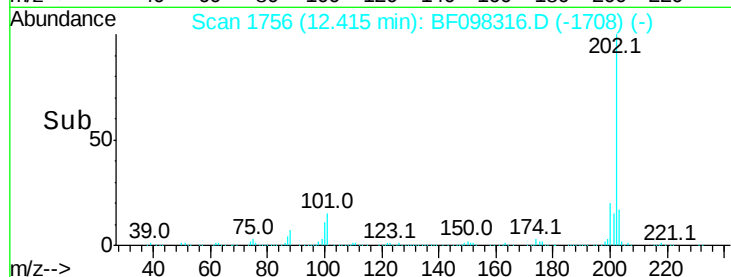
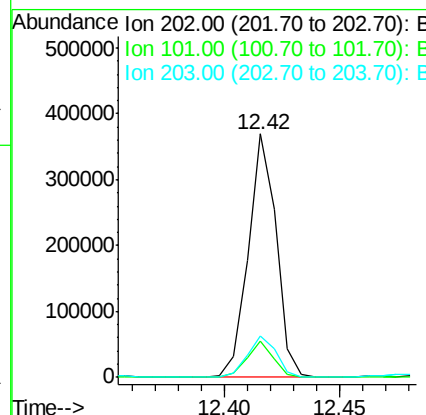
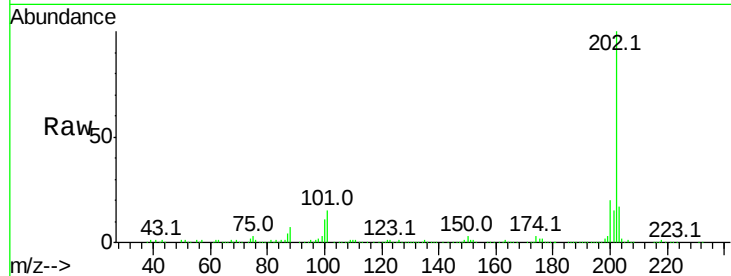
ClientSampled :

292

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	14.8	0.0	33.2
203	17.2	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

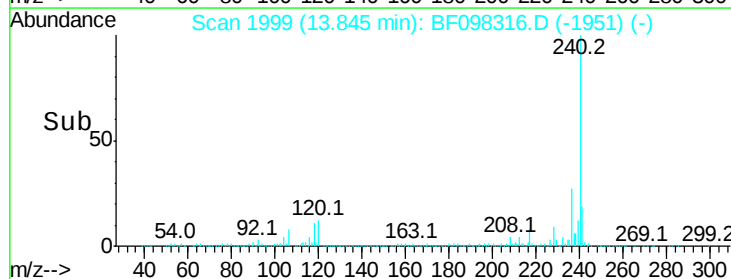
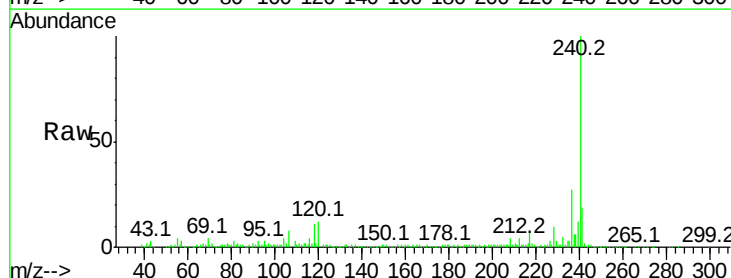
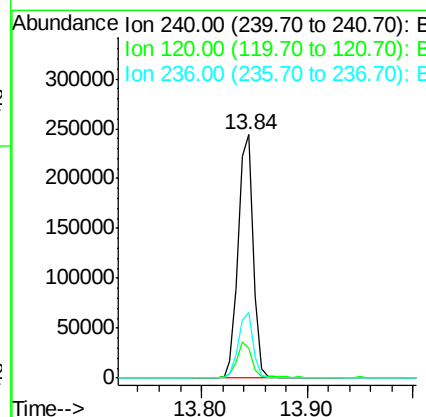
RT: 13.84 min Scan# 1999

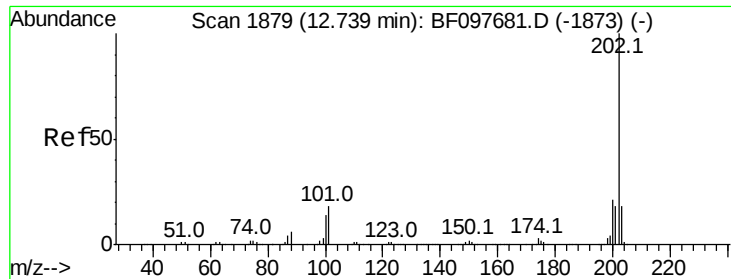
Delta R.T. -0.02 min

Lab File: BF098316.D

Acq: 7 Sep 2017 16:25

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	12.1	5.8	8.8#
236	27.0	20.5	30.7





#77

Pvrene

Concen: 15.105 ng

RT: 12.64 min Scan# 1795

Delta R.T. -0.02 min

Lab File: BF098316.D

Acq: 7 Sep 2017 16:25

Instrument :

BNA_F

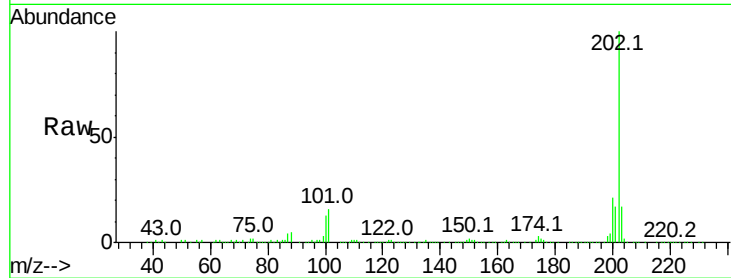
ClientSampleId :

292

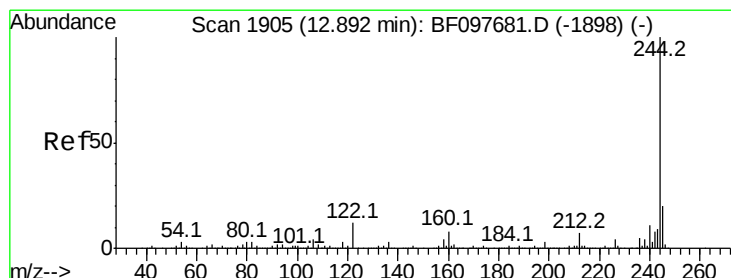
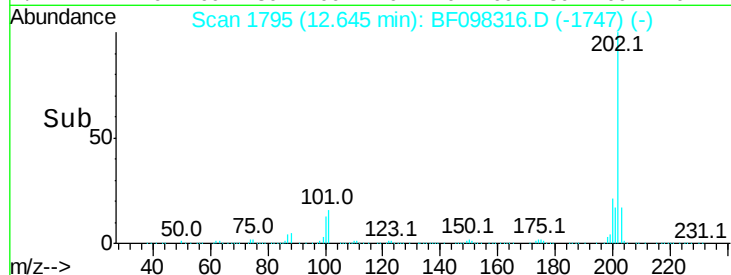
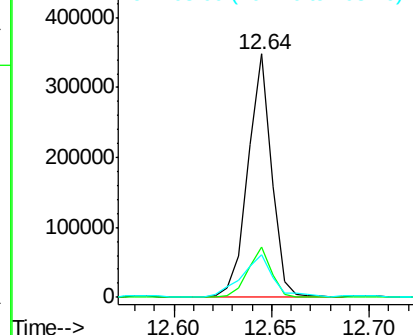
Tot Ion:	202	Resp:	292146
Ion Ratio	Lower	Upper	
202	100		
200	20.7	17.6	26.4
203	17.4	14.4	21.6

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 55.950 ng

RT: 12.79 min Scan# 1820

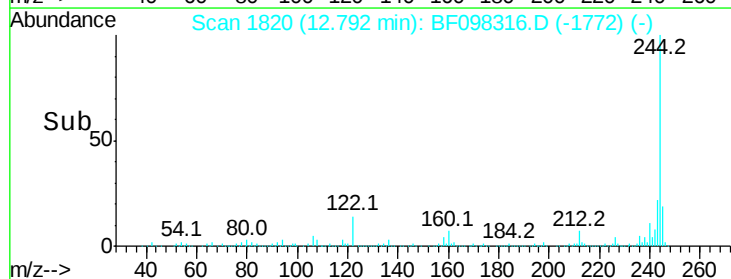
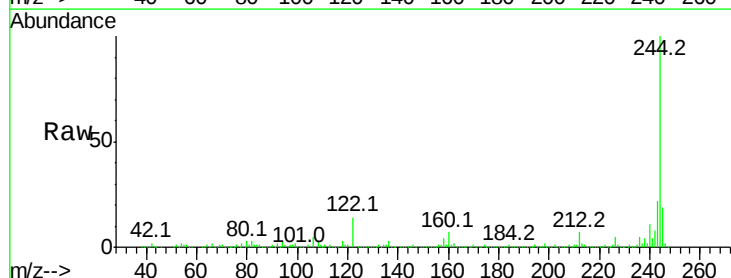
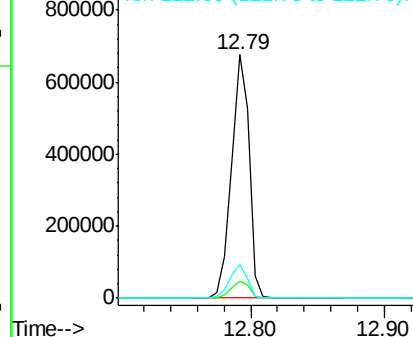
Delta R.T. -0.02 min

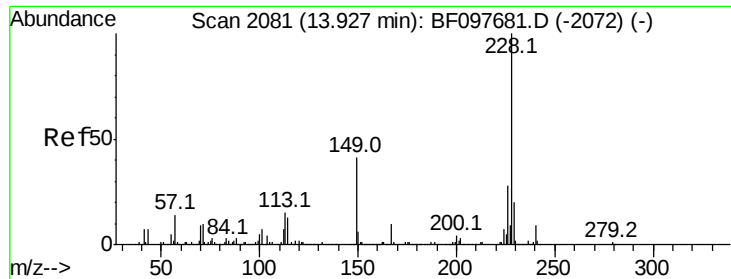
Lab File: BF098316.D

Acq: 7 Sep 2017 16:25

Tgt Ion:	244	Resp:	634483
Ion Ratio	Lower	Upper	
244	100		
212	7.2	6.0	9.0
122	13.6	10.3	15.5

Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





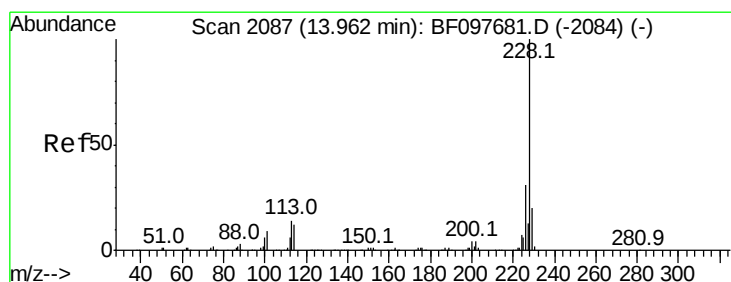
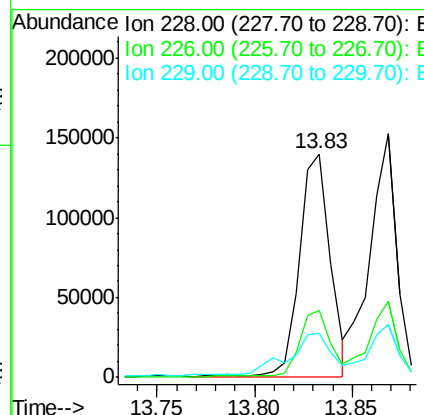
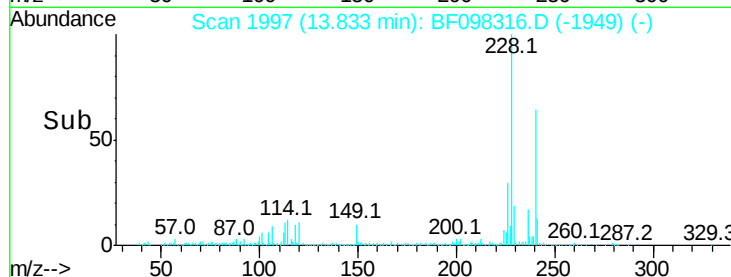
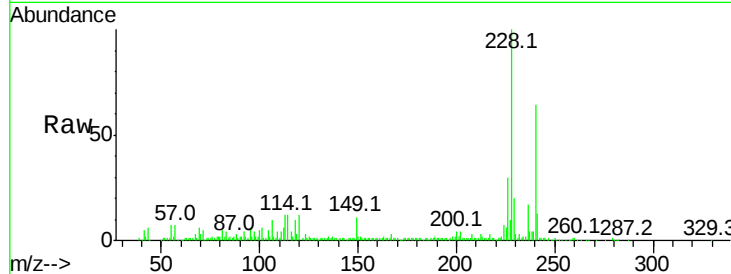
#80
Benzo(a)anthracene
Concen: 10.712 ng
RT: 13.83 min Scan# 1997
Delta R.T. -0.02 min
Lab File: BF098316.D
Acq: 7 Sep 2017 16:25

Instrument :
BNA_F
ClientSampleId :
292

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.8	22.6	33.8
229	19.9	16.3	24.5

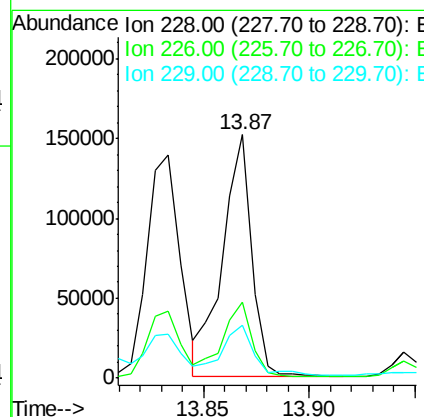
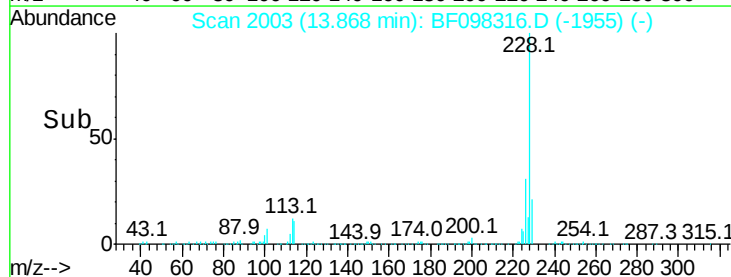
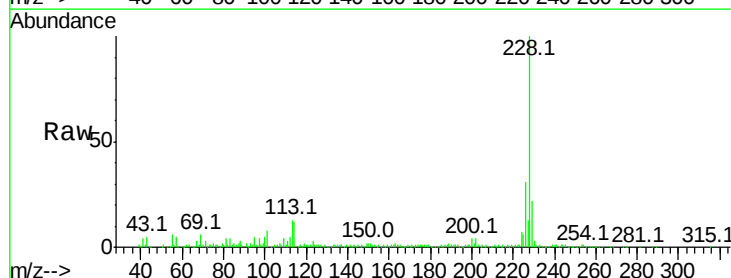
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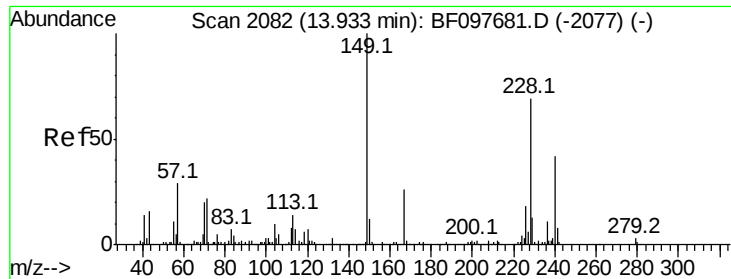
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#82
Chrysene
Concen: 10.318 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.02 min
Lab File: BF098316.D
Acq: 7 Sep 2017 16:25

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.9	37.3
229	21.5	15.8	23.6





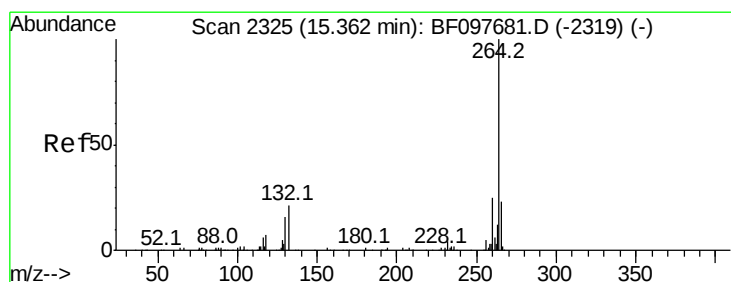
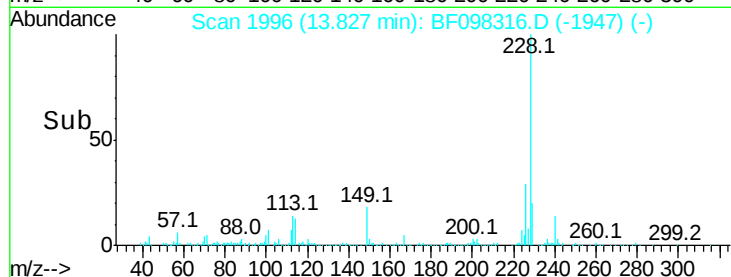
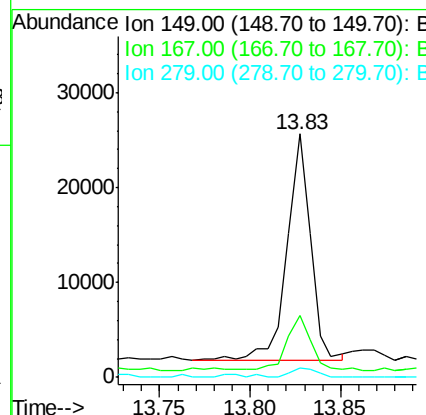
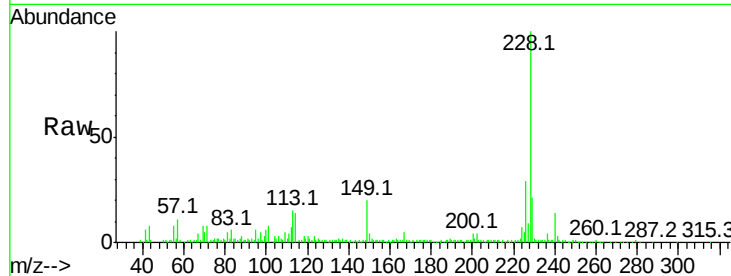
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.596 ng
 RT: 13.83 min Scan# 1996
 Delta R.T. -0.01 min
 Lab File: BF098316.D
 Acq: 7 Sep 2017 16:25

Instrument :
 BNA_F
 ClientSampleId :
 292

Tot Ion	Ratio	Lower	Upper
149	100		
167	25.3	21.0	31.4
279	3.9	1.9	2.9

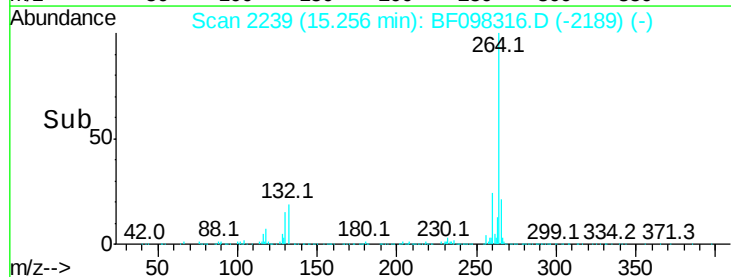
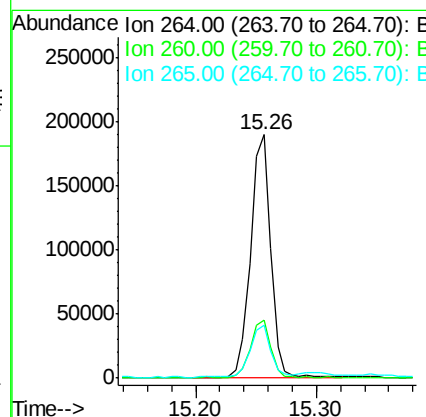
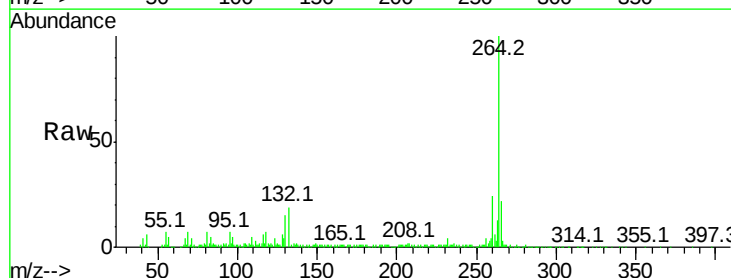
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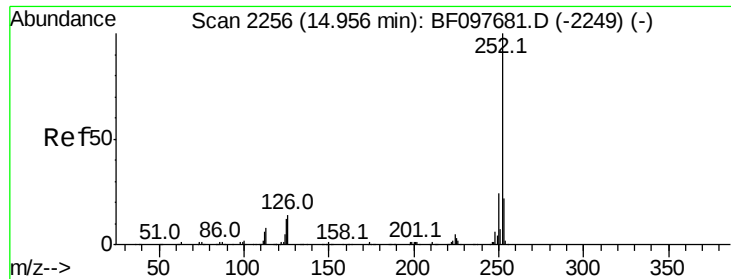
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.26 min Scan# 2239
 Delta R.T. -0.01 min
 Lab File: BF098316.D
 Acq: 7 Sep 2017 16:25

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.5	29.3
265	21.5	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 12.900 ng m

RT: 14.86 min Scan# 2171

Delta R.T. -0.01 min

Lab File: BF098316.D

Acq: 7 Sep 2017 16:25

Instrument :

BNA_F

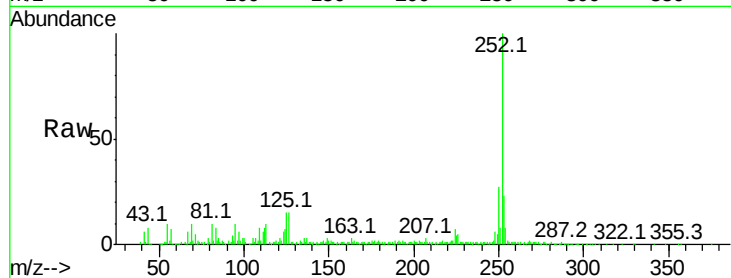
ClientSampleId :

292

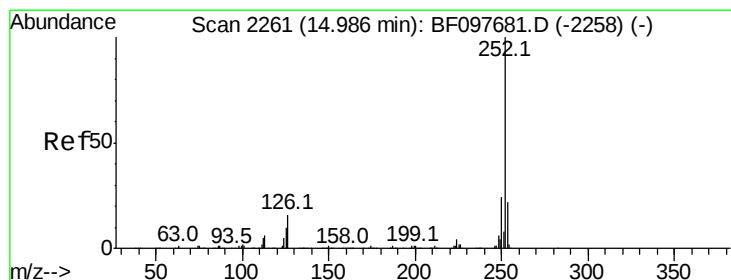
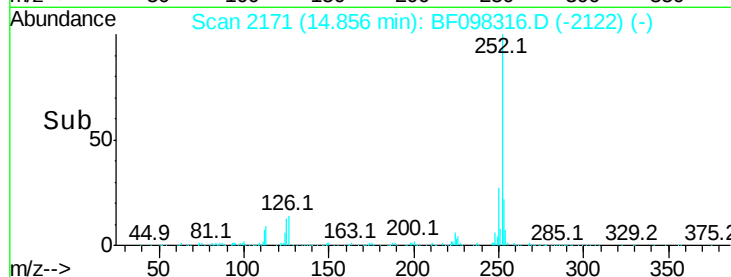
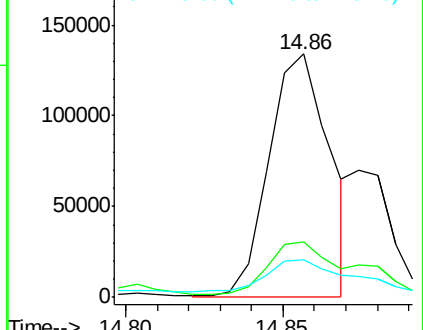
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.1	27.1
125	15.5	9.8	14.8#

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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



#88

Benzo(k)fluoranthene

Concen: 4.918 ng m

RT: 14.87 min Scan# 2174

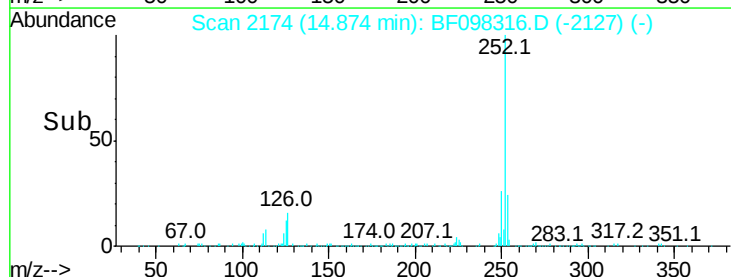
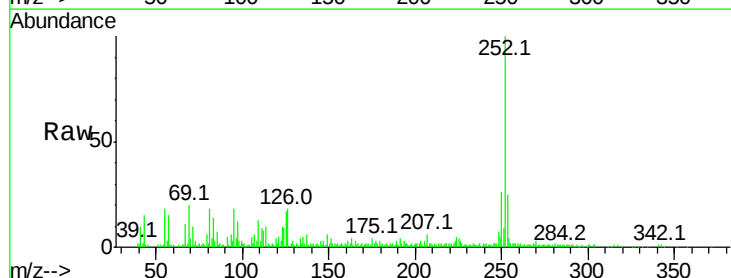
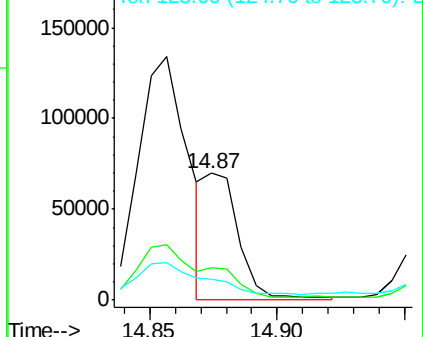
Delta R.T. -0.02 min

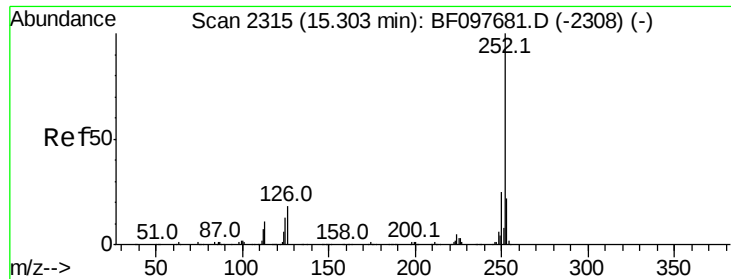
Lab File: BF098316.D

Acq: 7 Sep 2017 16:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	18.4	27.6
125	16.9	13.1	19.7

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





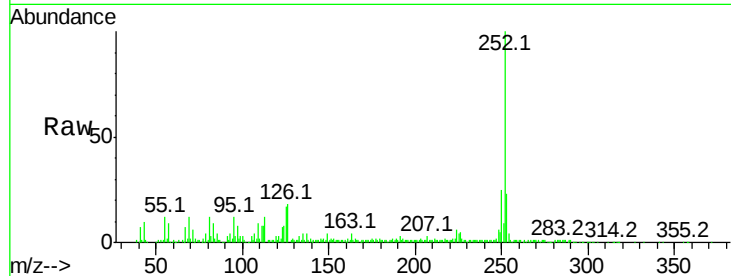
#89
Benzo(a)pyrene
Concen: 10.195 ng
RT: 15.19 min Scan# 2228
Delta R.T. -0.02 min
Lab File: BF098316.D
Acq: 7 Sep 2017 16:25

Instrument :
BNA_F
ClientSampleId :
292

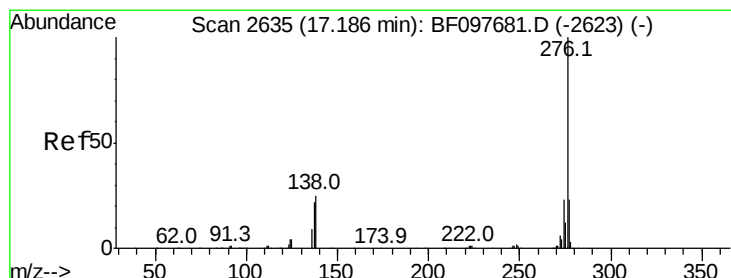
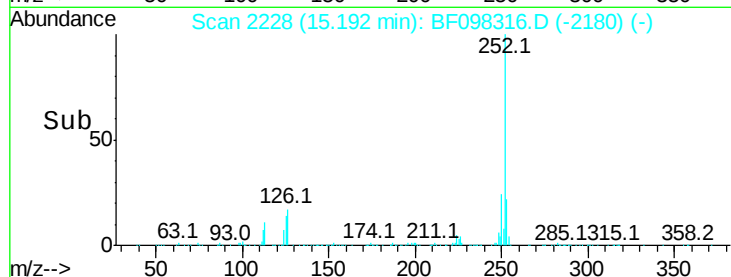
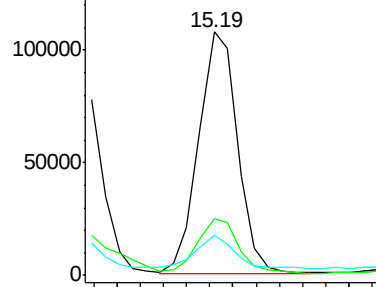
Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.4	17.5	26.3
125	16.6	11.0	16.4

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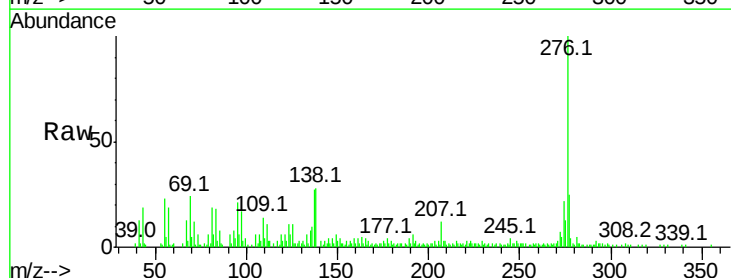


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 6.411 ng
RT: 17.02 min Scan# 2539
Delta R.T. -0.03 min
Lab File: BF098316.D
Acq: 7 Sep 2017 16:25

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	25.3	18.6	28.0
138	28.3	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

