

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF101517\
 Data File : BF099533.D
 Acq On : 16 Oct 2017 1:25
 Operator : SJ/JU
 Sample : I5637-01DL 2X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-18(0-10)COMPDL

Manual Integrations
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 10/16/2017 7:45:47 PM

Quant Time: Oct 16 04:07:44 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 11 16:25:21 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	95729	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	350658	20.00	ng	0.00
38) Acenaphthene-d10	9.88	164	126894	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	186382	20.00	ng	0.00
75) Chrysene-d12	14.02	240	196519	20.00	ng	0.00
86) Perylene-d12	15.49	264	183824	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	422106	70.19	ng	0.00
7) Phenol-d6	6.47	99	492313	66.36	ng	-0.01
23) Nitrobenzene-d5	7.41	82	267966	49.01	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	60951	58.70	ng	-0.01
44) 2-Fluorobiphenyl	9.20	172	379209	49.89	ng	-0.01
78) Terphenyl-d14	12.95	244	281235	32.55	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.59	163	81326	8.492	ng	98
51) Acenaphthene	9.91	154	17660	2.224	ng	97
57) Fluorene	10.43	166	27099	3.189	ng	99
70) Phenanthrene	11.39	178	389202	39.012	ng	98
71) Anthracene	11.44	178	53118	5.204	ng	97
74) Fluoranthene	12.59	202	421350	41.708	ng	99
77) Pyrene	12.82	202	531805	35.488	ng	99
80) Benzo(a)anthracene	14.00	228	242582	20.386	ng	100
82) Chrysene	14.04	228	252976	22.330	ng	99
85) Indeno(1,2,3-cd)pyrene	16.97	276	66496	7.337	ng	98
87) Benzo(b)fluoranthene	15.06	252	227940m	20.168	ng	
88) Benzo(k)fluoranthene	15.08	252	71765m	6.429	ng	
89) Benzo(a)pyrene	15.43	252	166093	16.010	ng	98
90) Dibenzo(a,h)anthracene	16.97	278	19611m	2.362	ng	
91) Benzo(a,h,i)perylene	17.42	276	64371	7.843	ng	96

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

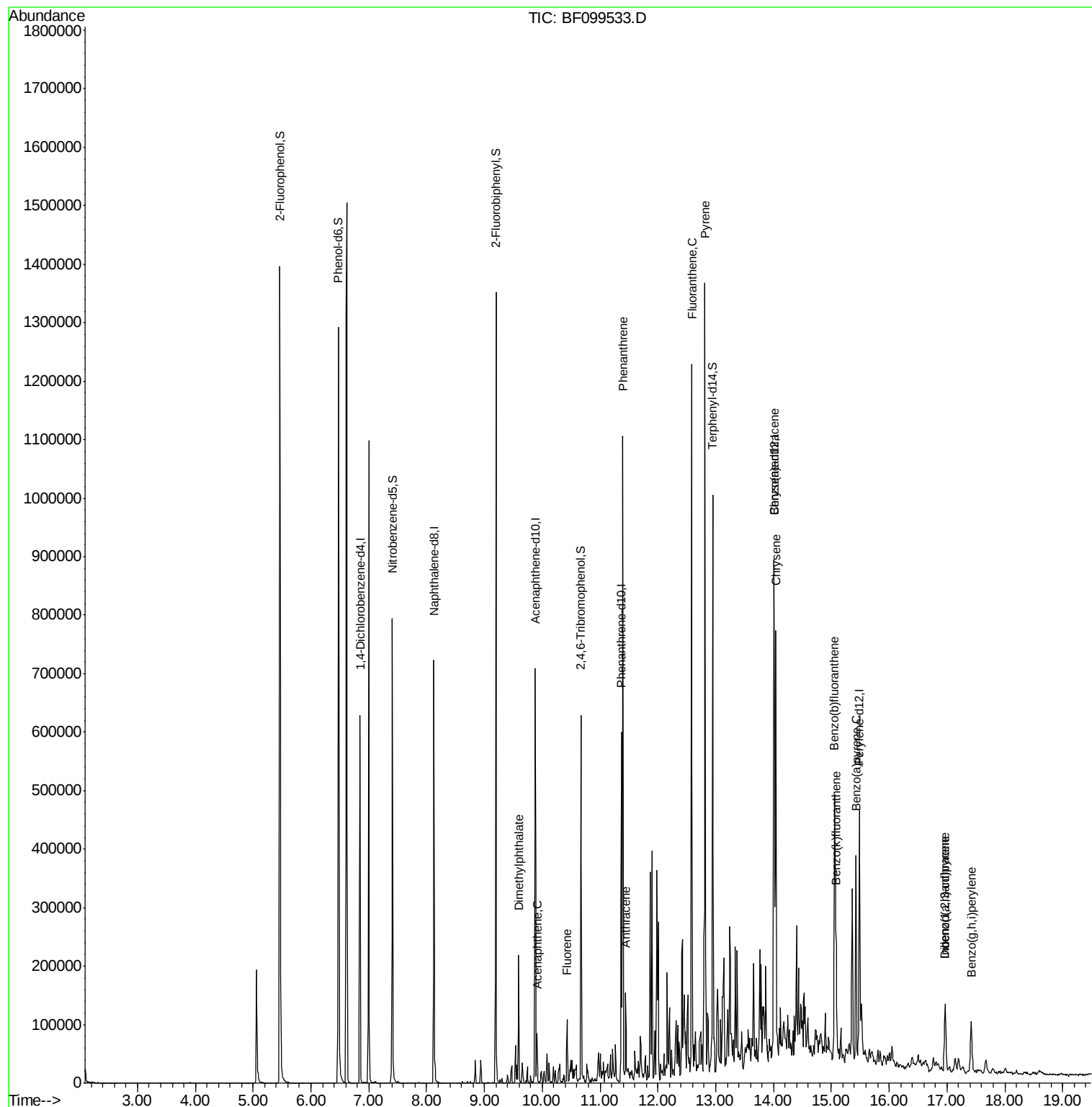
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF101517\
Data File : BF099533.D
Acq On : 16 Oct 2017 1:25
Operator : SJ/JU
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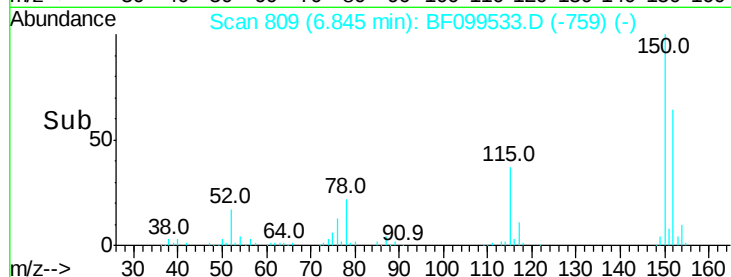
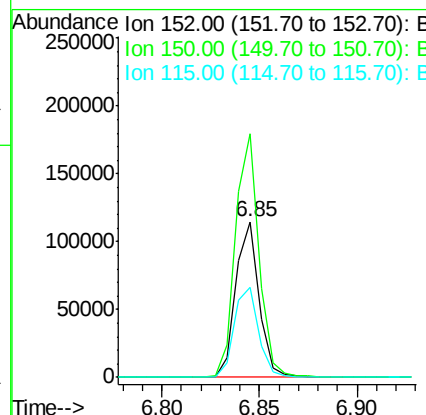
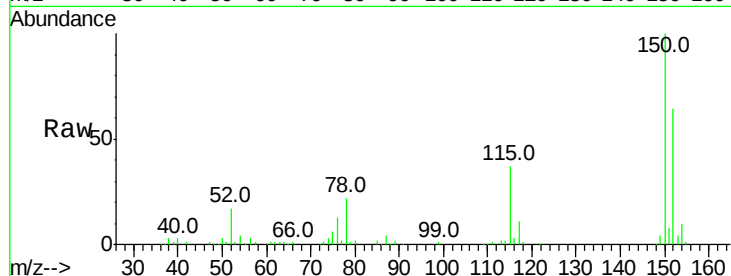
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 809
 Delta R.T. -0.01 min
 Lab File: BF099533.D
 Acq: 16 Oct 2017 1:25

Instrument :
 BNA_F
 ClientSampleId :
 B-18(0-10)COMPDL

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	124.6	186.8
115	57.8	50.1	75.1

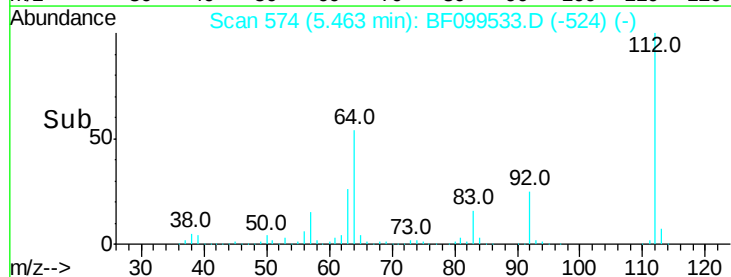
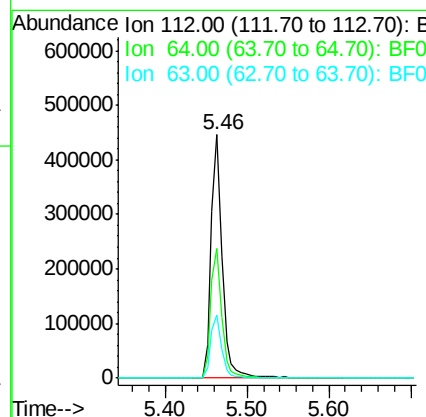
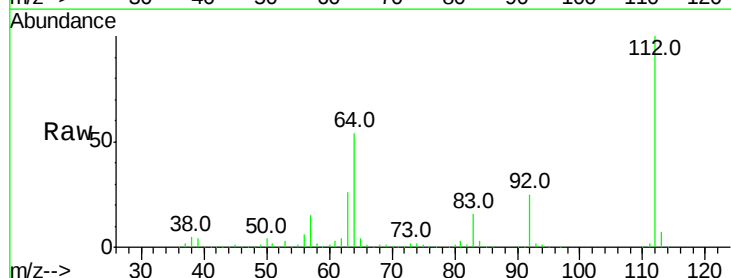
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#5
 2-Fluorophenol
 Concen: 70.193 ng
 RT: 5.46 min Scan# 574
 Delta R.T. -0.01 min
 Lab File: BF099533.D
 Acq: 16 Oct 2017 1:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.5	47.9	71.9
63	26.1	23.7	35.5





#7

Phenol-d6

Concen: 66.364 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF099533.D

Acq: 16 Oct 2017 1:25

Instrument :

BNA_F

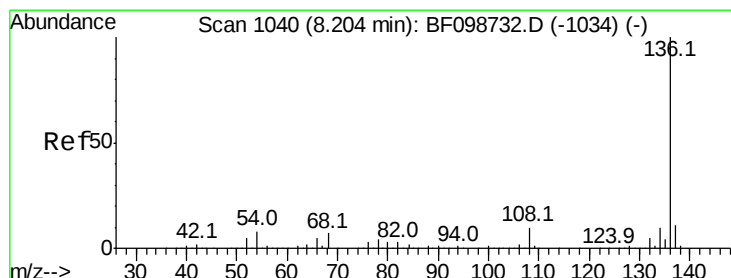
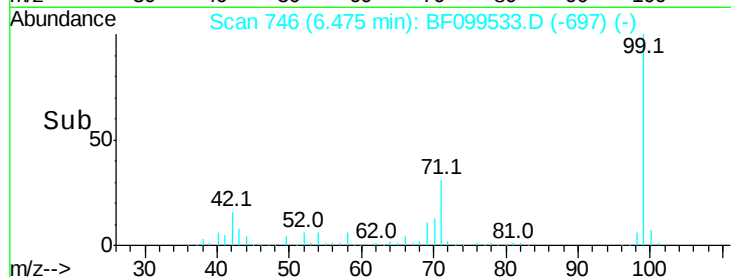
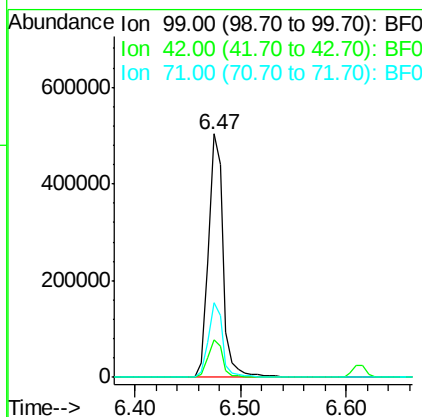
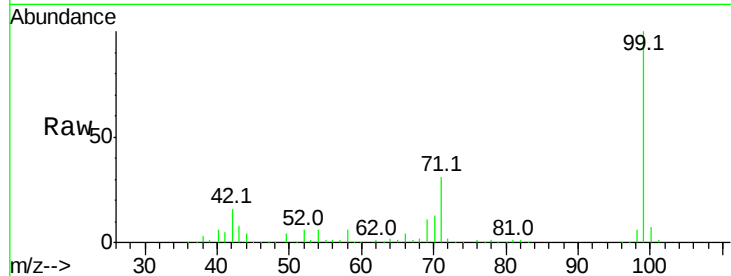
ClientSampleId :

B-18(0-10)COMPDL

Tot Ion:	99	Resp:	492313
Ion Ratio	Lower	Upper	
99	100		
42	15.7	14.5	21.7
71	30.8	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

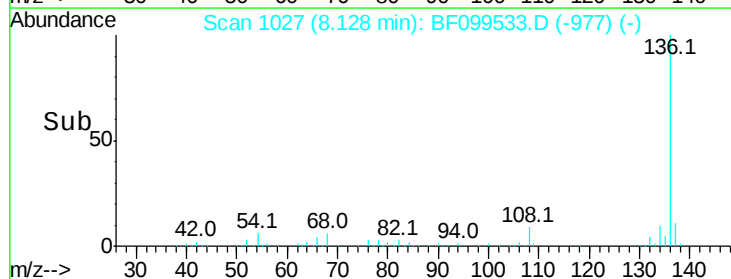
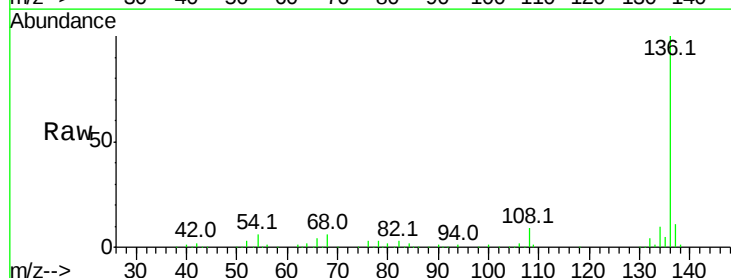
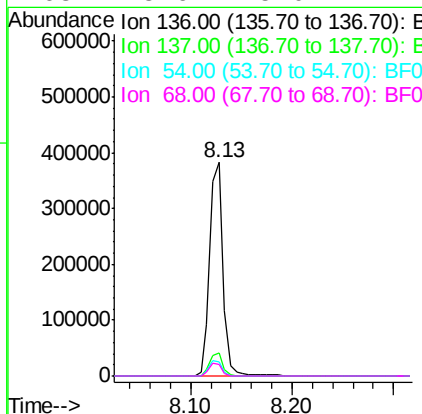
RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF099533.D

Acq: 16 Oct 2017 1:25

Tgt Ion:	136	Resp:	350658
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.9	13.3
54	6.4	6.6	9.8#
68	5.6	5.0	7.4





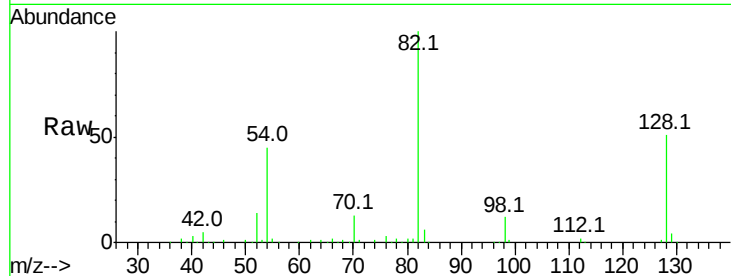
#23
Nitrobenzene-d5
Concen: 49.007 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF099533.D
Acq: 16 Oct 2017 1:25

Instrument :
BNA_F
ClientSampleId :
B-18(0-10)COMPDL

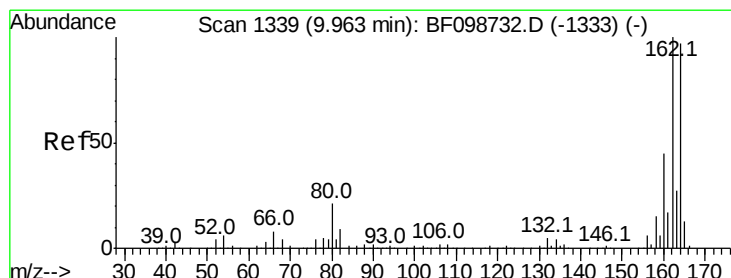
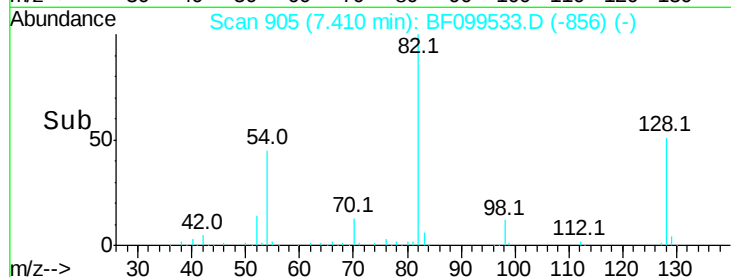
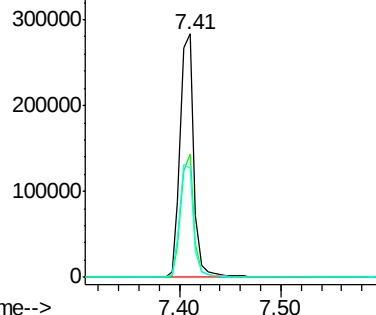
Tot Ion	Ratio	Lower	Upper
82	100		
128	50.7	36.1	54.1
54	44.8	41.4	62.2

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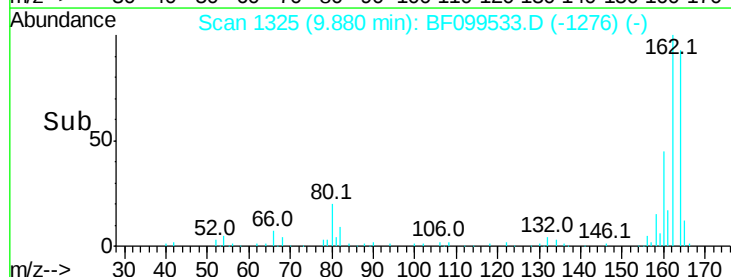
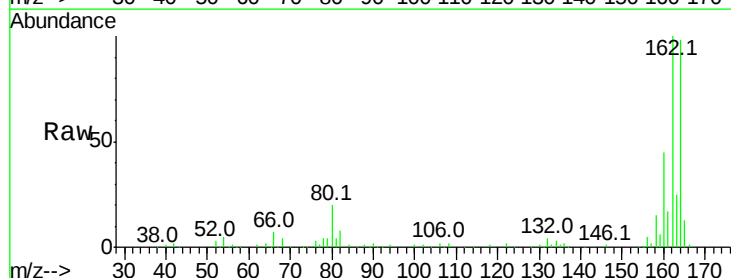
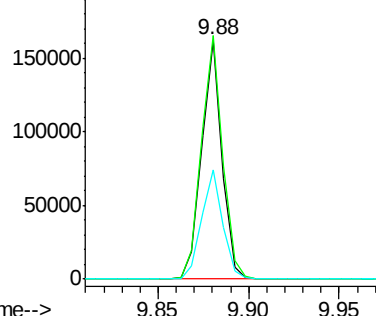
Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF099533.D
Acq: 16 Oct 2017 1:25

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.0	86.1	129.1
160	45.6	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





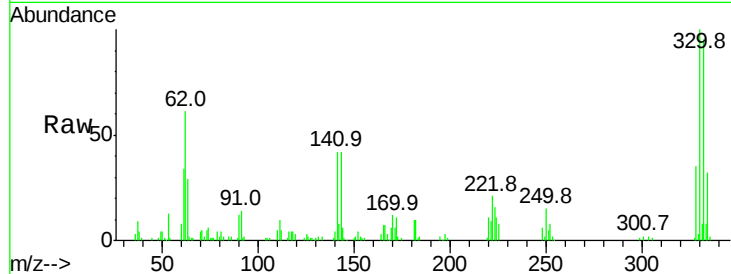
#41
 2,4,6-Tribromophenol
 Concen: 58.701 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF099533.D
 Acq: 16 Oct 2017 1:25

Instrument :
 BNA_F
 ClientSampleId :
 B-18(0-10)COMPDL

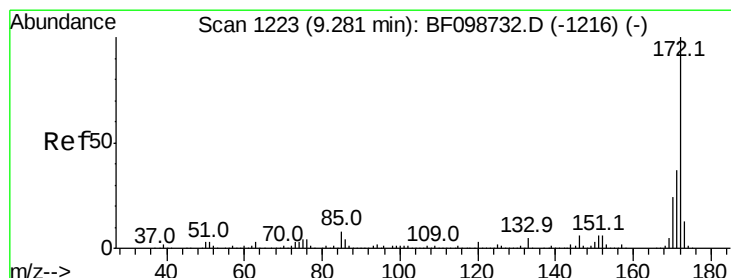
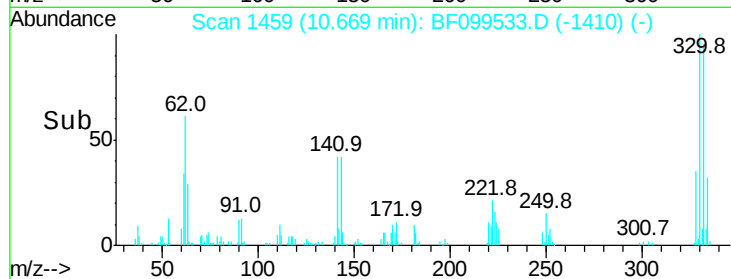
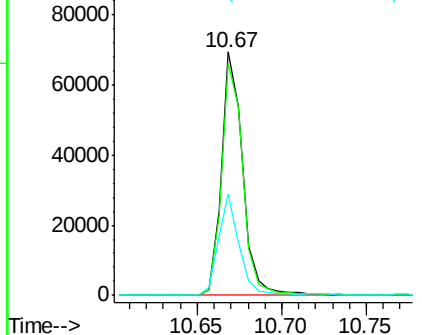
Tot Ion	Ratio	Resp	Lower	Upper
330	100	60951		
332	96.3		77.0	115.6
141	40.9		29.9	44.9

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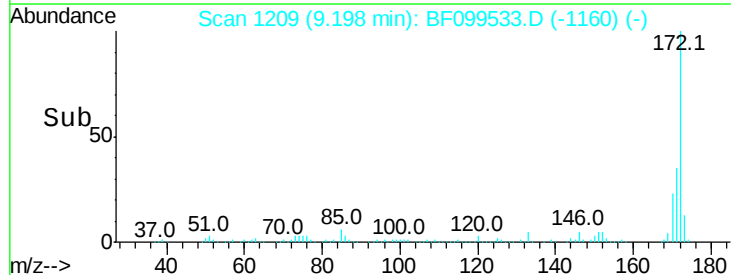
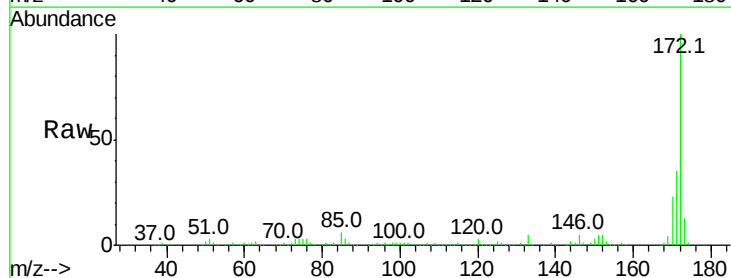
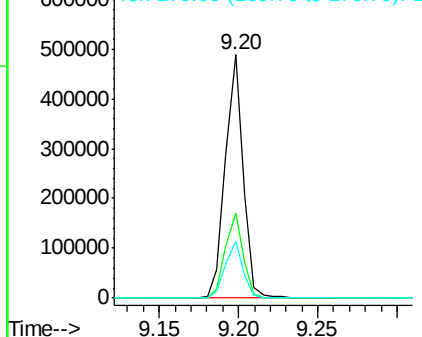
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

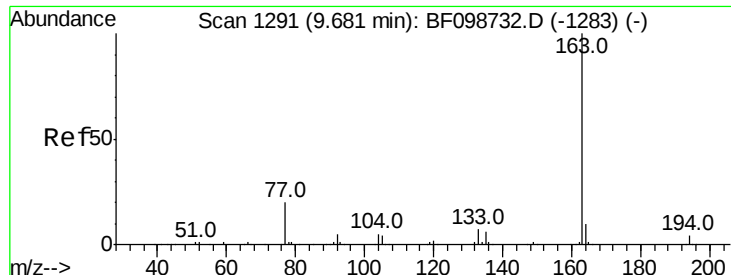


#44
 2-Fluorobiphenyl
 Concen: 49.889 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF099533.D
 Acq: 16 Oct 2017 1:25

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	379209		
171	34.9		29.7	44.5
170	23.1		19.6	29.4

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





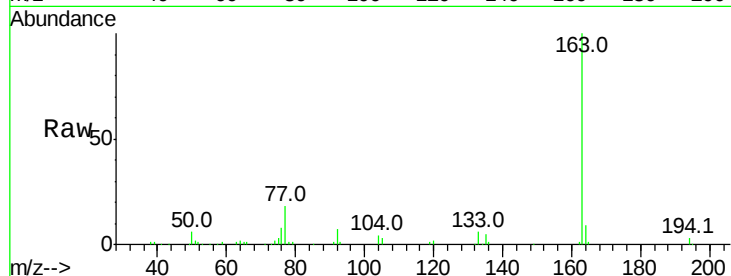
#49
Dimethylphthalate
Concen: 8.492 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF099533.D
Acq: 16 Oct 2017 1:25

Instrument :
BNA_F
ClientSampleId :
B-18(0-10)COMPDL

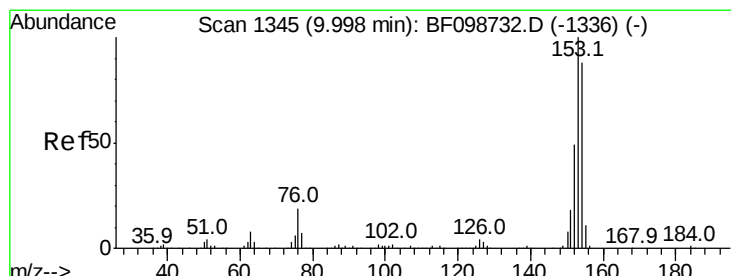
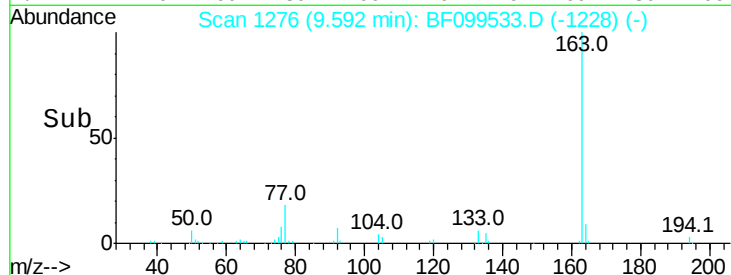
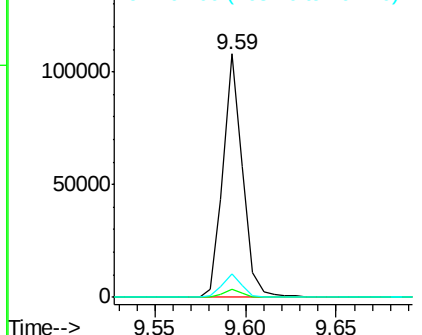
Tot Ion:	163	Resp:	81326
Ion Ratio	Lower	Upper	
163	100		
194	3.3	2.7	4.1
164	9.4	8.2	12.2

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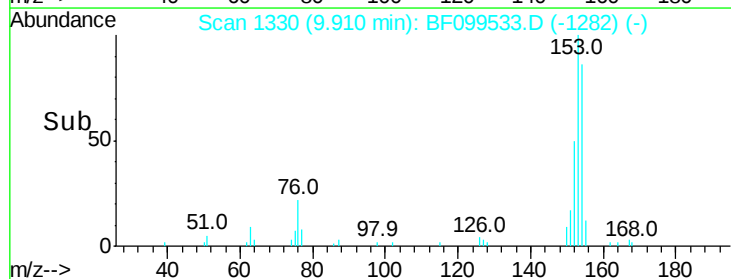
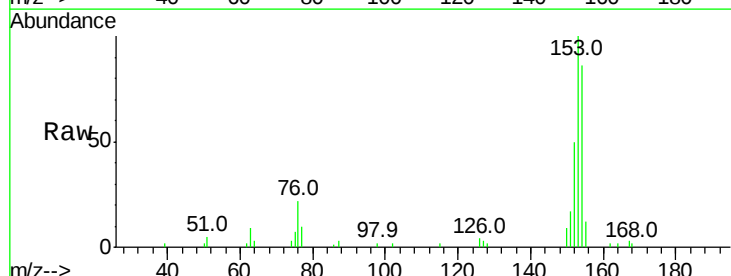
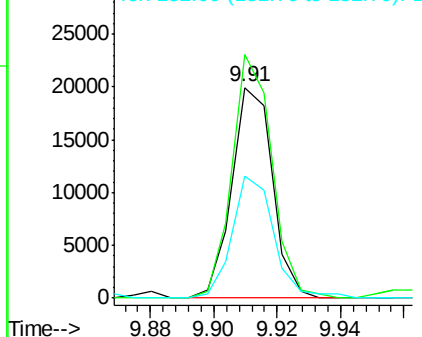
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

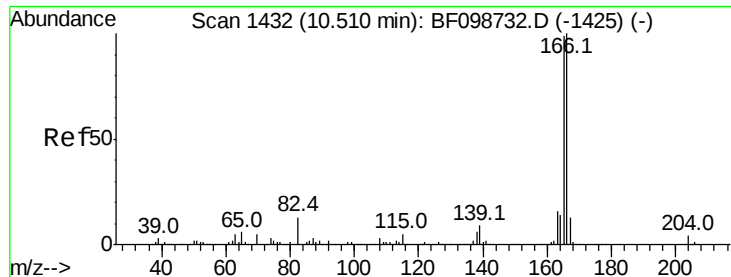


#51
Acenaphthene
Concen: 2.224 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.02 min
Lab File: BF099533.D
Acq: 16 Oct 2017 1:25

Tgt Ion:	154	Resp:	17660
Ion Ratio	Lower	Upper	
154	100		
153	115.7	91.2	136.8
152	58.1	43.8	65.8

Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





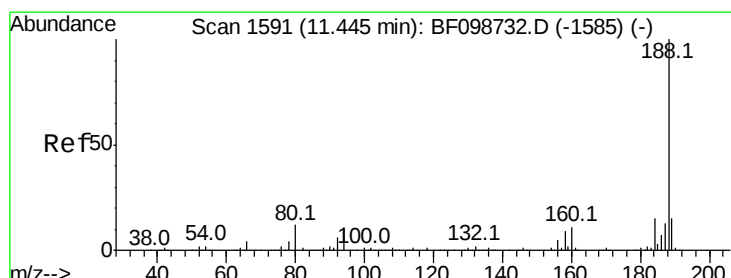
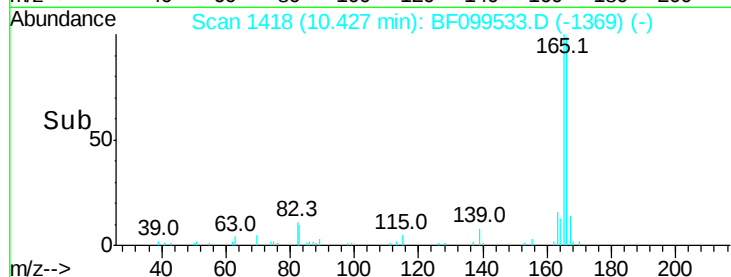
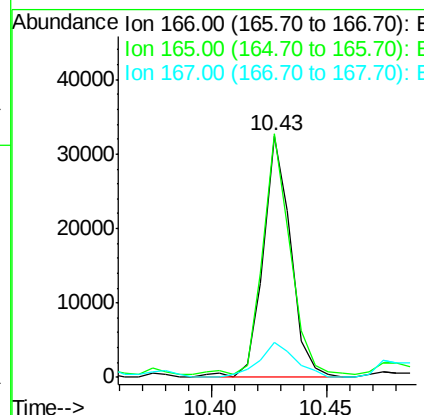
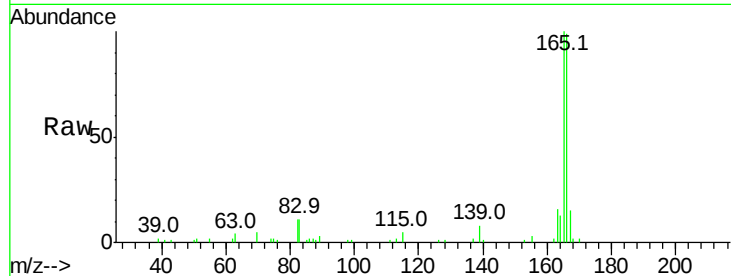
#57
Fluorene
 Concen: 3.189 ng
 RT: 10.43 min Scan# 1418
 Delta R.T. -0.01 min
 Lab File: BF099533.D
 Acq: 16 Oct 2017 1:25

Instrument :
 BNA_F
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 B-18(0-10)COMPDL

Tot Ion	Ratio	Lower	Upper
166	100		
165	100.9	79.8	119.8
167	14.7	10.6	16.0

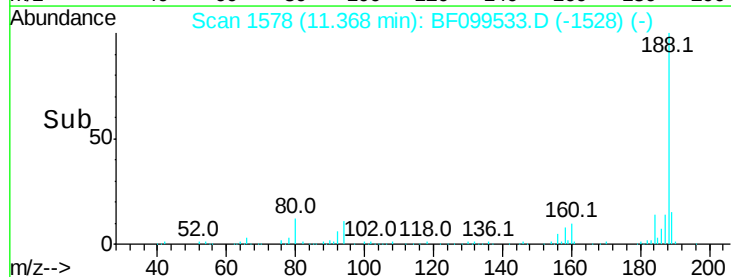
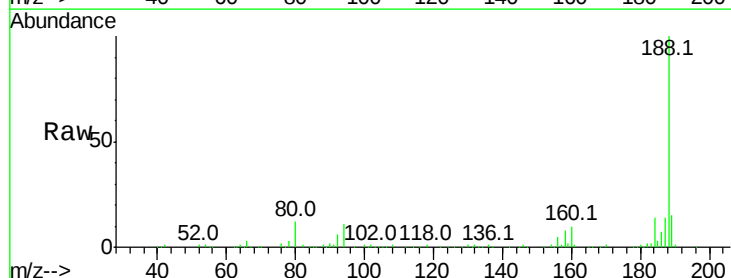
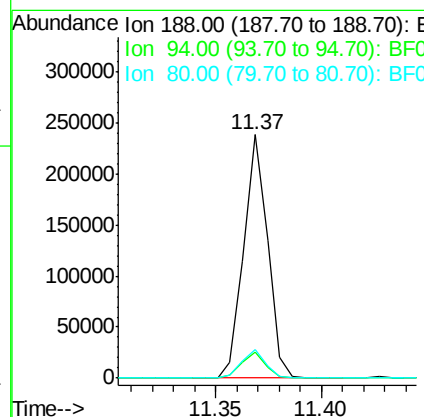
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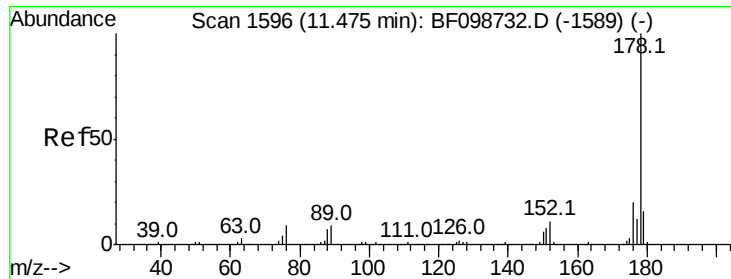
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1578
 Delta R.T. -0.01 min
 Lab File: BF099533.D
 Acq: 16 Oct 2017 1:25

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.7	8.5	12.7
80	11.6	9.2	13.8





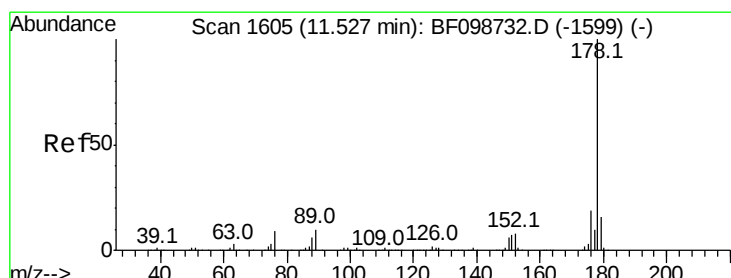
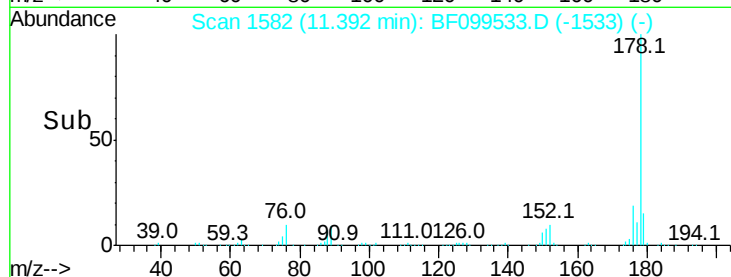
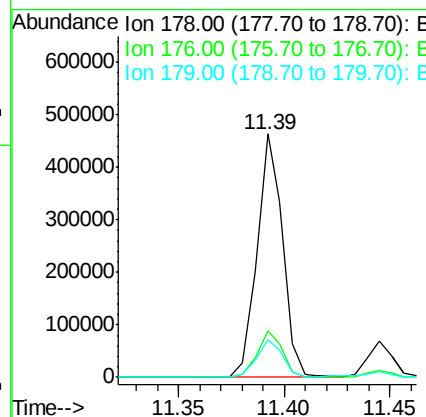
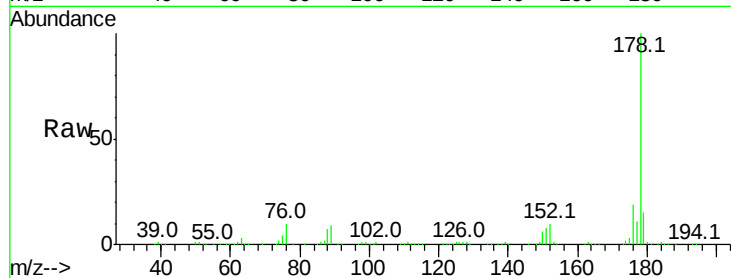
#70
Phenanthrene
Concen: 39.012 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF099533.D
Acq: 16 Oct 2017 1:25

Instrument :
BNA_F
ClientSampleId :
B-18(0-10)COMPDL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.8
179	15.3	13.0	19.6

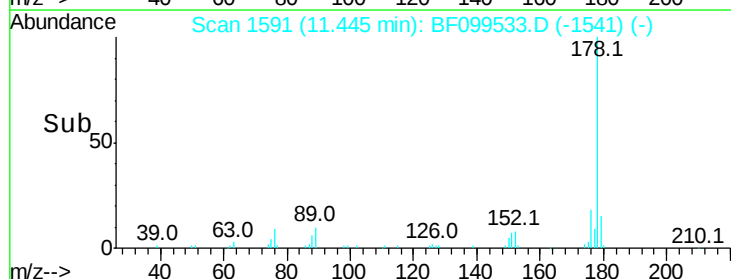
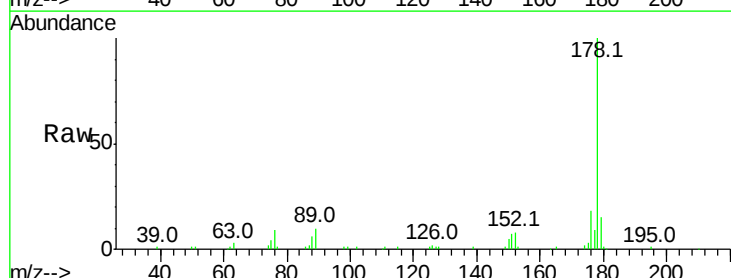
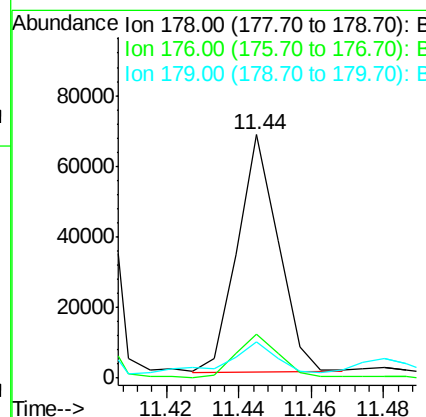
Manual Integrations
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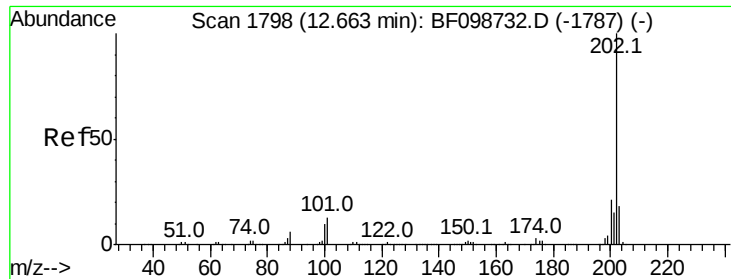
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#71
Anthracene
Concen: 5.204 ng
RT: 11.44 min Scan# 1591
Delta R.T. -0.01 min
Lab File: BF099533.D
Acq: 16 Oct 2017 1:25

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.4	23.2
179	14.8	12.6	19.0





#74

Fluoranthene

Concen: 41.708 ng

RT: 12.59 min Scan# 1785

Delta R.T. -0.00 min

Lab File: BF099533.D

Acq: 16 Oct 2017 1:25

Instrument :

BNA_F

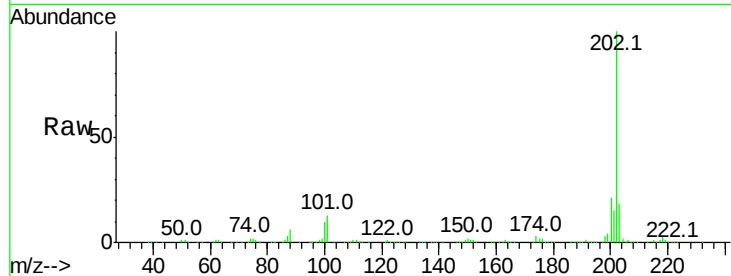
ClientSampleId :

B-18(0-10)COMPDL

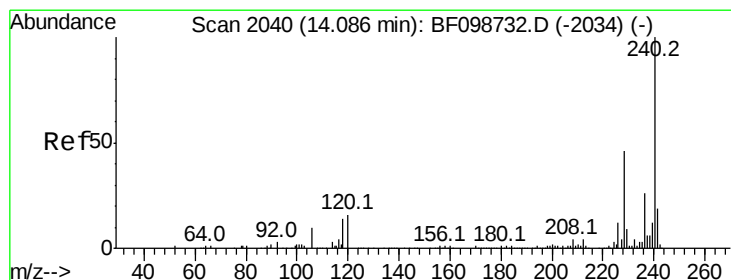
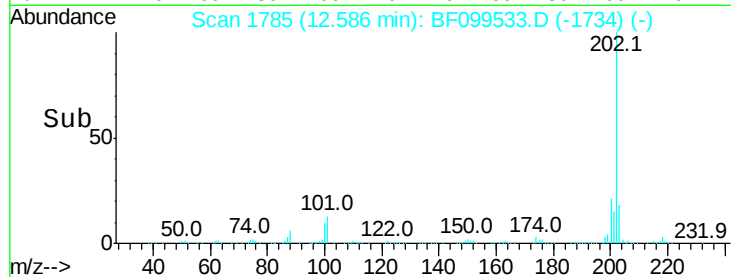
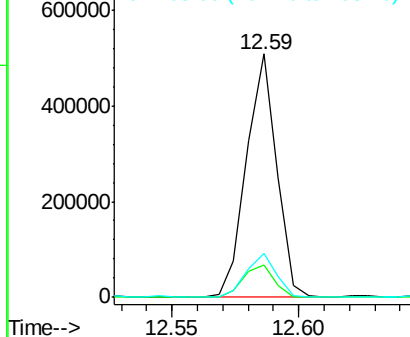
Tot Ion:	202	Resp:	421350
Ion Ratio	Lower	Upper	
202	100		
101	13.3	0.0	34.1
203	17.8	0.0	38.1

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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2028

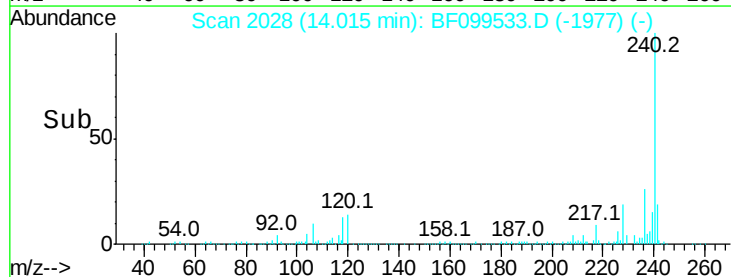
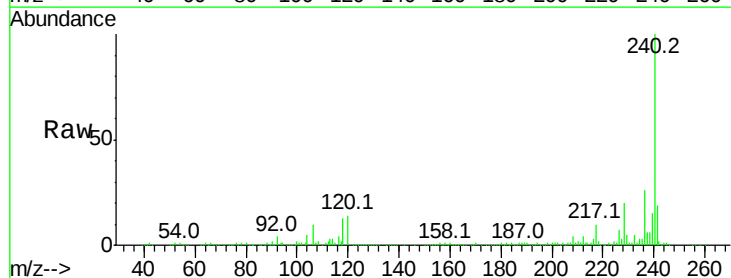
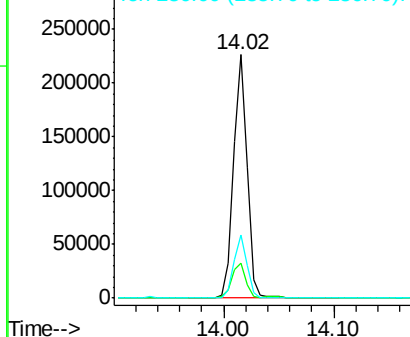
Delta R.T. -0.00 min

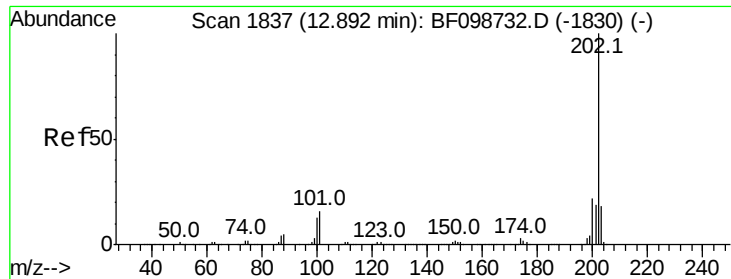
Lab File: BF099533.D

Acq: 16 Oct 2017 1:25

Tgt Ion:	240	Resp:	196519
Ion Ratio	Lower	Upper	
240	100		
120	14.3	9.5	14.3
236	26.1	20.7	31.1

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





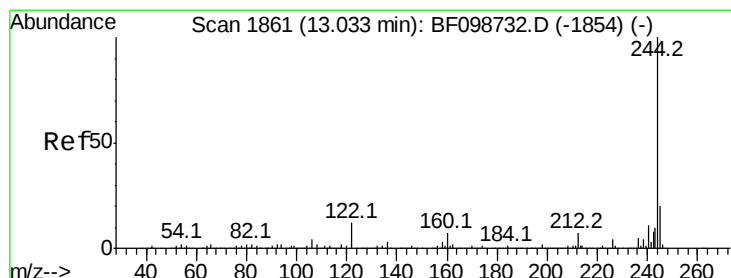
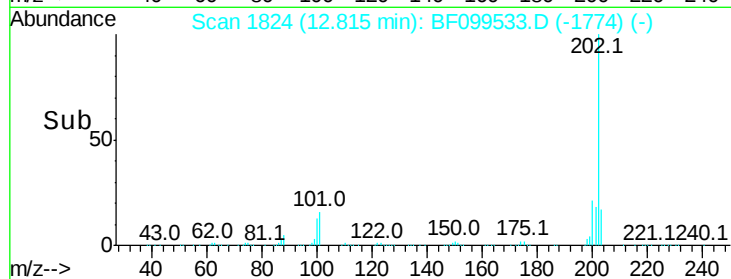
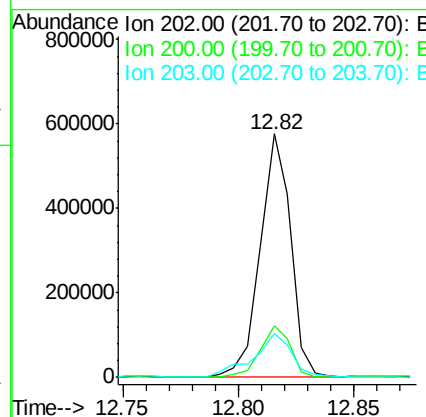
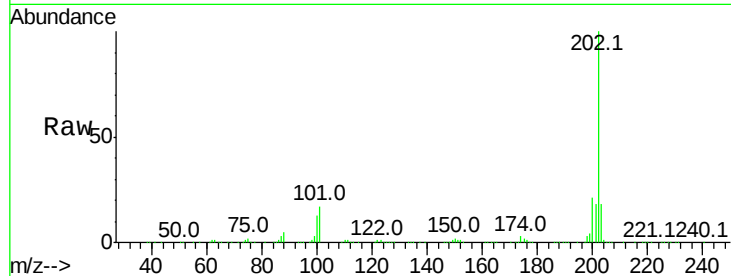
#77
Pvrene
Concen: 35.488 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.01 min
Lab File: BF099533.D
Acq: 16 Oct 2017 1:25

Instrument :
BNA_F
ClientSampleId :
B-18(0-10)COMPDL

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.4	26.2
203	17.9	14.3	21.5

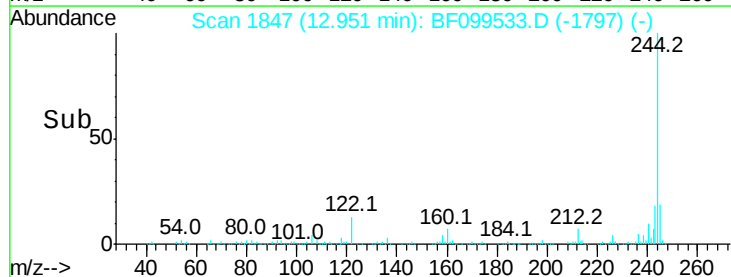
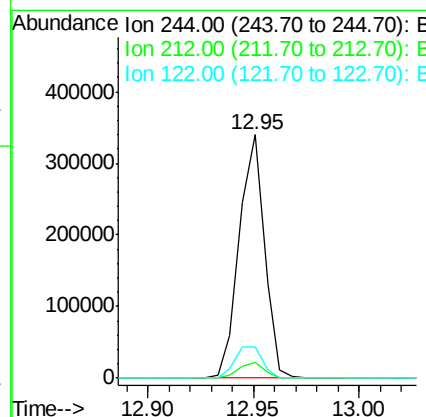
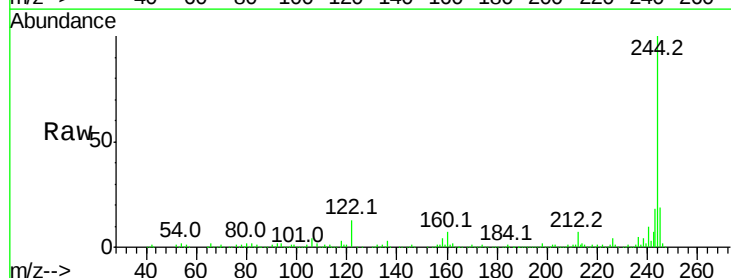
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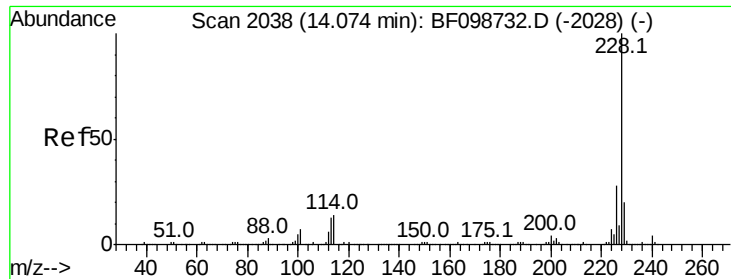
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#78
Terphenyl-d14
Concen: 32.546 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.01 min
Lab File: BF099533.D
Acq: 16 Oct 2017 1:25

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	12.9	11.0	16.4





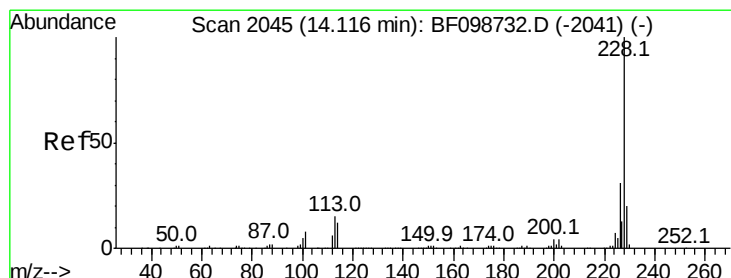
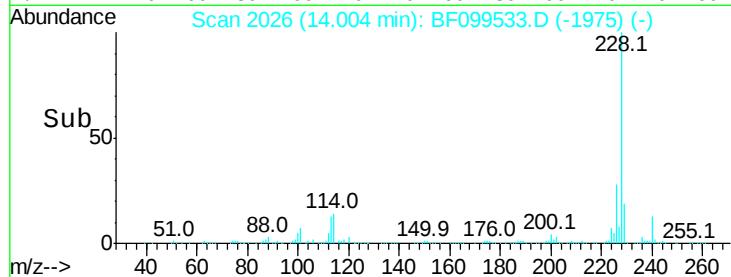
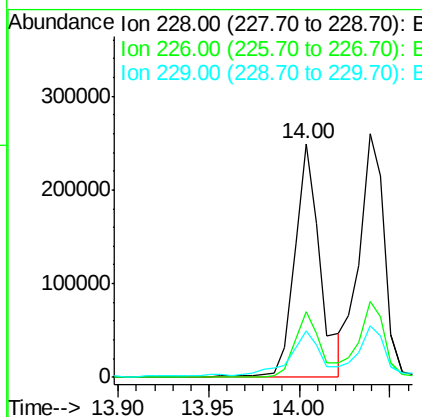
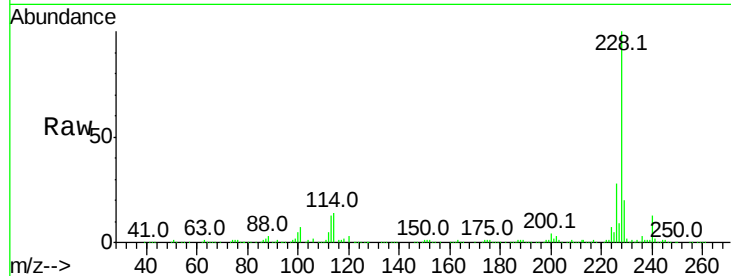
#80
Benzo(a)anthracene
Concen: 20.386 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.00 min
Lab File: BF099533.D
Acq: 16 Oct 2017 1:25

Instrument :
BNA_F
ClientSampleId :
B-18(0-10)COMPDL

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.6	33.8
229	20.0	15.8	23.6

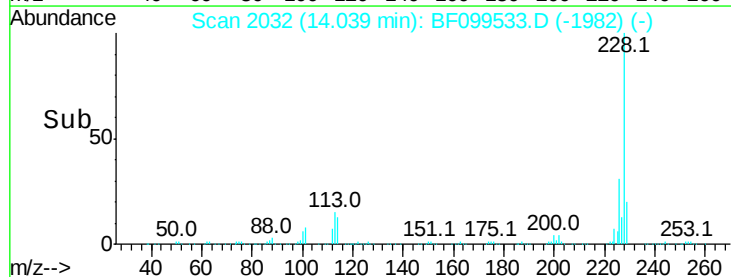
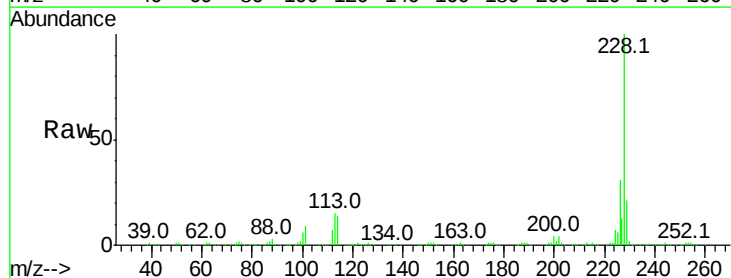
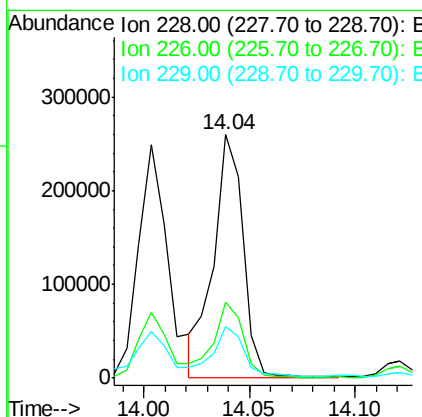
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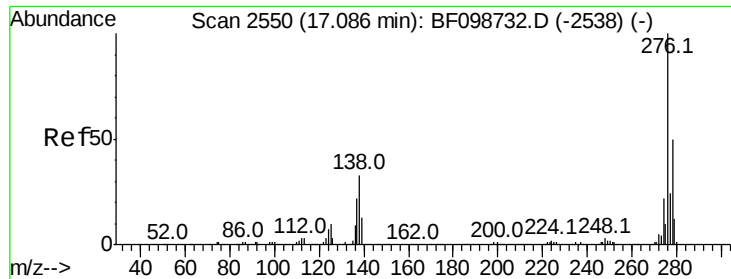
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#82
Chrysene
Concen: 22.330 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF099533.D
Acq: 16 Oct 2017 1:25

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	25.0	37.6
229	21.3	16.2	24.4





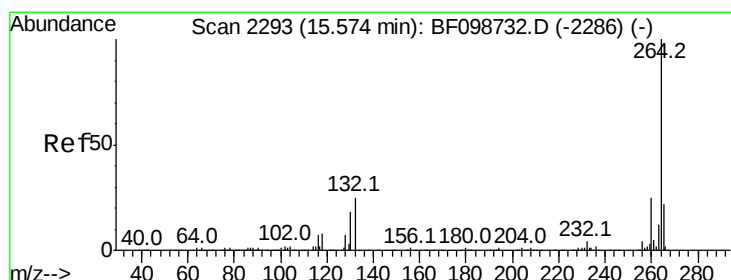
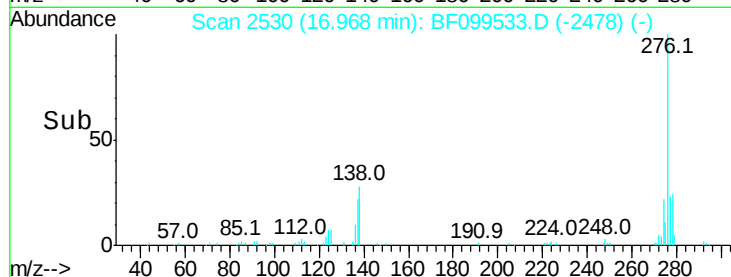
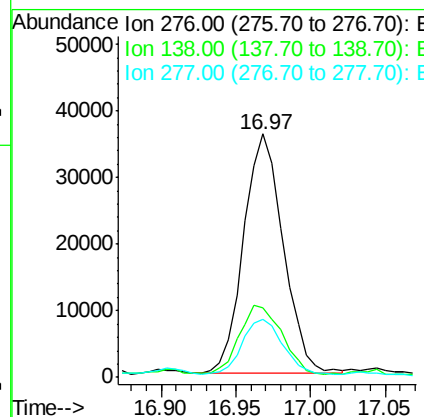
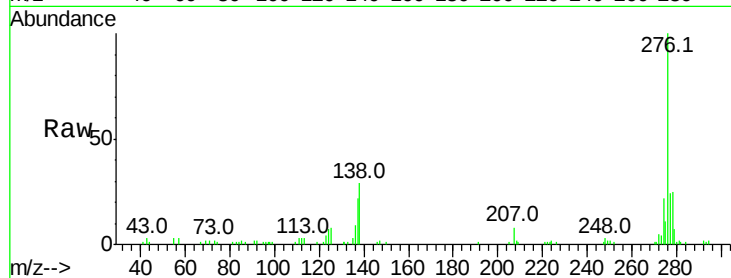
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.337 ng
 RT: 16.97 min Scan# 2530
 Delta R.T. 0.01 min
 Lab File: BF099533.D
 Acq: 16 Oct 2017 1:25

Instrument :
 BNA_F
 ClientSampleId :
 B-18(0-10)COMPDL

Tot Ion	Ratio	Lower	Upper
276	100		
138	32.7	25.0	37.6
277	25.4	20.1	30.1

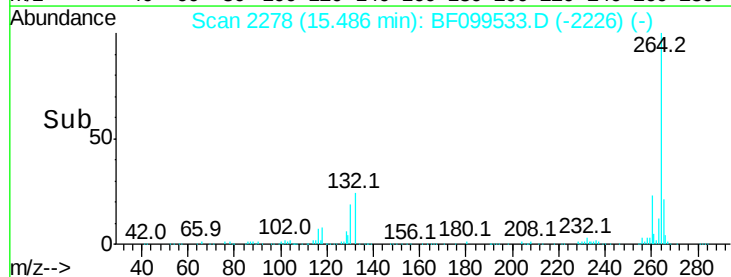
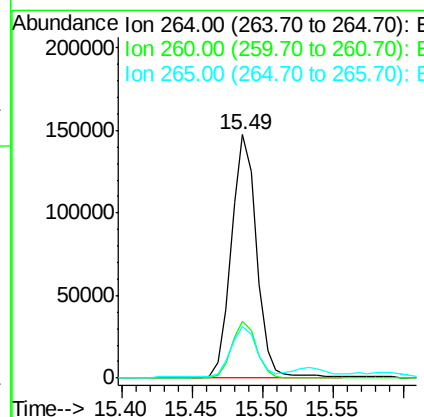
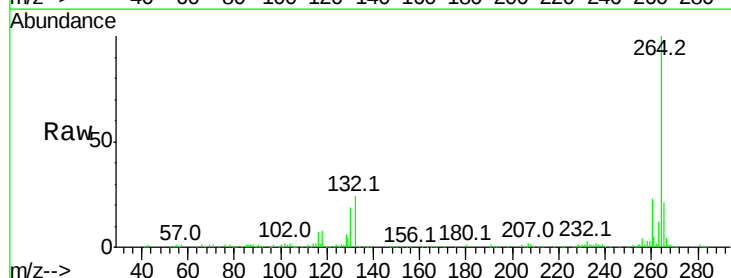
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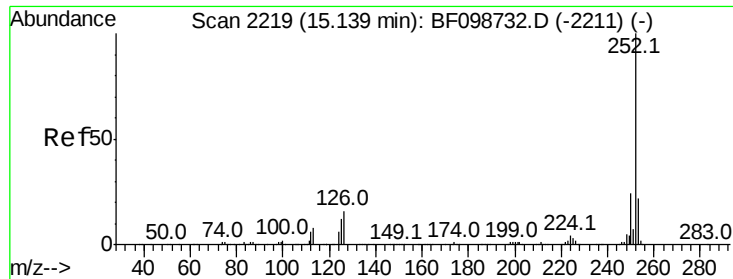
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.49 min Scan# 2278
 Delta R.T. 0.01 min
 Lab File: BF099533.D
 Acq: 16 Oct 2017 1:25

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.4	17.5	26.3





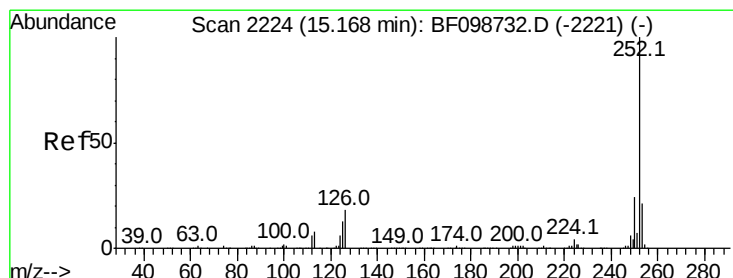
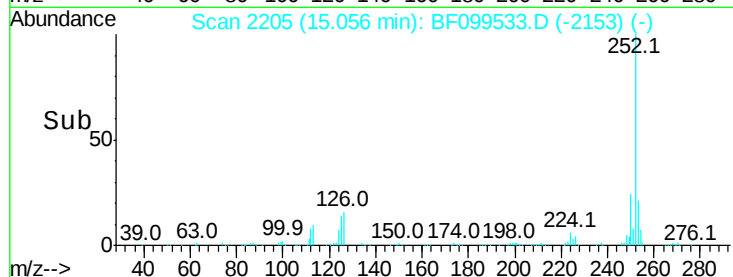
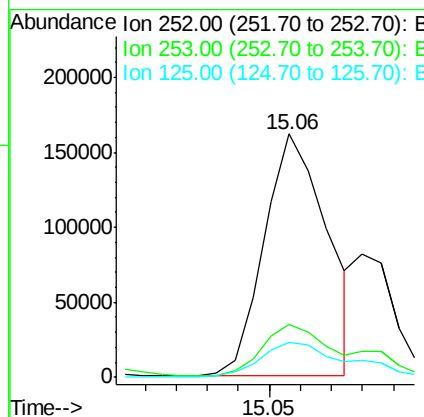
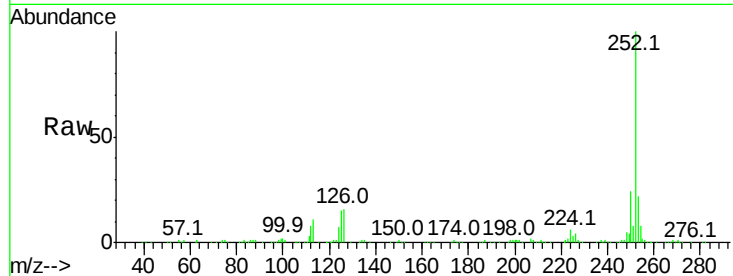
#87
Benzo(b)fluoranthene
Concen: 20.168 ng m
RT: 15.06 min Scan# 2205
Delta R.T. 0.01 min
Lab File: BF099533.D
Acq: 16 Oct 2017 1:25

Instrument :
BNA_F
ClientSampleId :
B-18(0-10)COMPDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.0	25.6
125	14.5	9.0	13.6

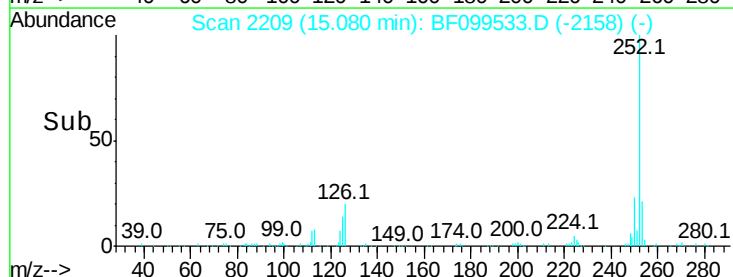
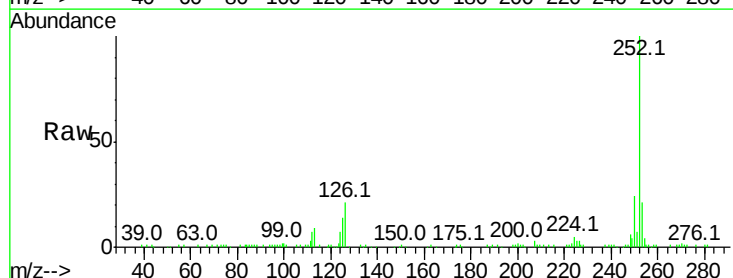
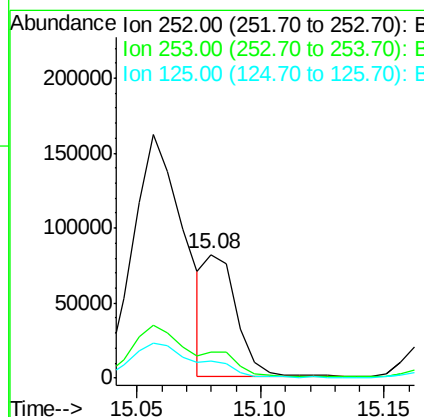
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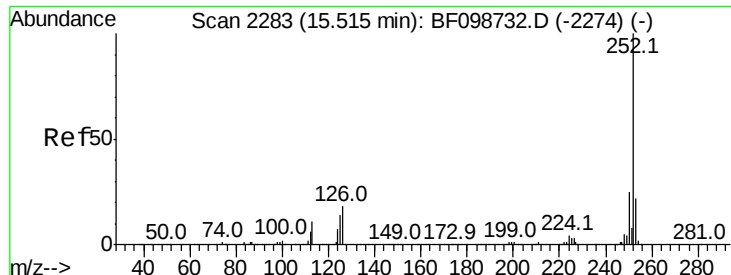
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#88
Benzo(k)fluoranthene
Concen: 6.429 ng m
RT: 15.08 min Scan# 2209
Delta R.T. -0.00 min
Lab File: BF099533.D
Acq: 16 Oct 2017 1:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.9	26.9
125	14.2	10.2	15.2





#89

Benzo(a)pyrene

Concen: 16.010 ng

RT: 15.43 min Scan# 2268

Delta R.T. 0.01 min

Lab File: BF099533.D

Acq: 16 Oct 2017 1:25

Instrument :

BNA_F

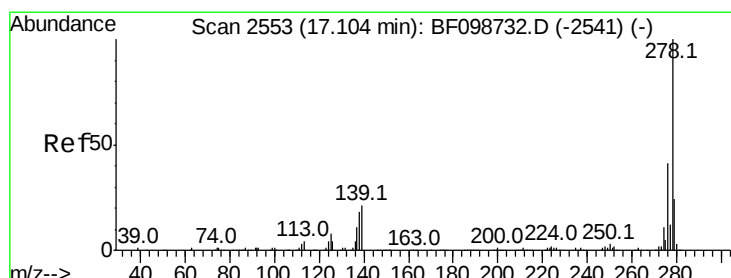
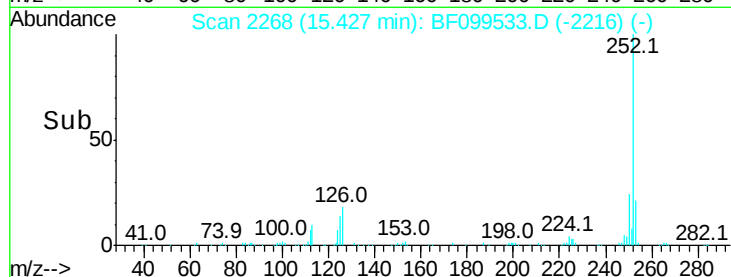
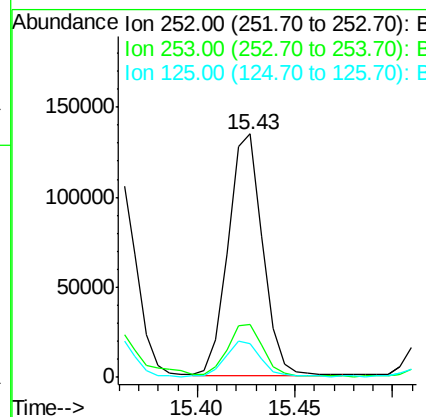
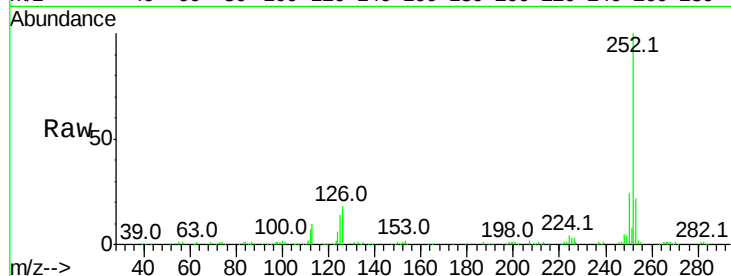
ClientSampleId :

B-18(0-10)COMPDL

Tot Ion:	252	Resp:	166093
Ion Ratio	Lower	Upper	
252	100		
253	21.7	17.1	25.7
125	14.0	9.8	14.6

Manual Integrations
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#90

Dibenzo(a,h)anthracene

Concen: 2.362 ng m

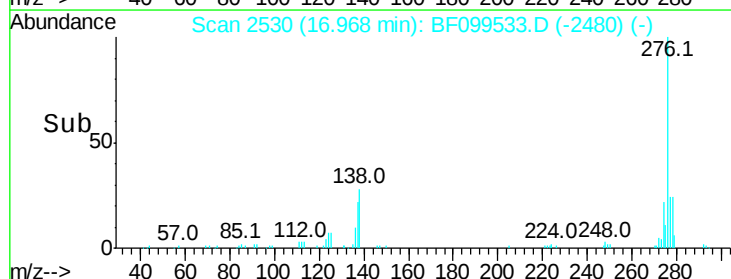
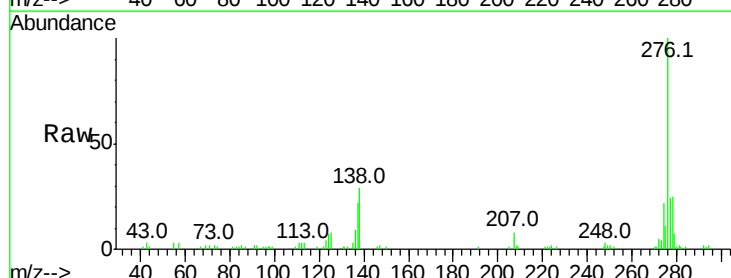
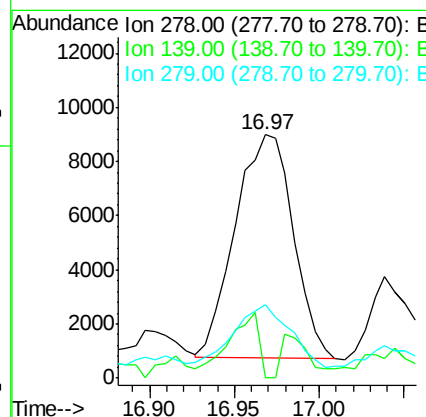
RT: 16.97 min Scan# 2530

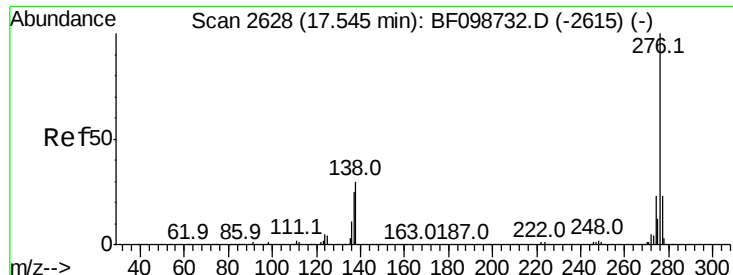
Delta R.T. -0.01 min

Lab File: BF099533.D

Acq: 16 Oct 2017 1:25

Tgt Ion:	278	Resp:	19611
Ion Ratio	Lower	Upper	
278	100		
139	0.0	15.9	23.9#
279	30.3	19.0	28.4#





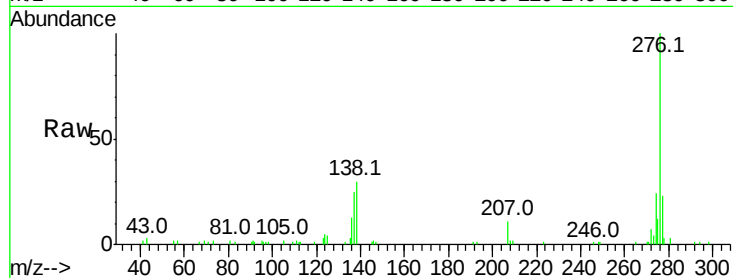
#91
 Benzo(a,h,i)perylene
 Concen: 7.843 ng
 RT: 17.42 min Scan# 2607
 Delta R.T. 0.01 min
 Lab File: BF099533.D
 Acq: 16 Oct 2017 1:25

Instrument :
 BNA_F
 ClientSampleId :
 B-18(0-10)COMPDL

Tot Ion:	276	Resp:	64371
Ion Ratio	Lower	Upper	
276	100		
277	23.5	17.9	26.9
138	29.9	21.8	32.8

Manual Integrations
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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

