

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
 Data File : BF101340.D
 Acq On : 12 Dec 2017 19:59
 Operator : SJ/JU
 Sample : I6822-07 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-2(0-2)

Manual Integrations
 APPROVED

Sohil
 12/13/2017 12:07:47 PM

Quant Time: Dec 13 03:30:11 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 08 18:17:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	45654	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	172869	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	72852	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	125767	20.00	ng	0.00
75) Chrysene-d12	14.01	240	103271	20.00	ng	0.00
86) Perylene-d12	15.49	264	92789	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	151130	54.70	ng	0.00
7) Phenol-d6	6.46	99	183491	54.70	ng	0.00
23) Nitrobenzene-d5	7.39	82	110181	38.02	ng	-0.01
41) 2,4,6-Tribromophenol	10.66	330	41441	47.35	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	219230	41.17	ng	-0.01
78) Terphenyl-d14	12.94	244	174792	37.02	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.57	163	25091	4.271	ng	Qvalue # 98
51) Acenaphthene	9.89	154	9689	2.077	ng	97
70) Phenanthrene	11.38	178	205367	29.652	ng	98
71) Anthracene	11.43	178	44001	6.277	ng	98
74) Fluoranthene	12.57	202	359962	46.887	ng	97
77) Pyrene	12.81	202	340696	47.810	ng	99
80) Benzo(a)anthracene	14.00	228	213645	32.766	ng	98
82) Chrysene	14.03	228	179038	29.566	ng	98
85) Indeno(1,2,3-cd)pyrene	16.97	276	145042	26.941	ng	# 89
87) Benzo(b)fluoranthene	15.06	252	285980m	51.456	ng	
88) Benzo(k)fluoranthene	15.08	252	89098m	16.272	ng	
89) Benzo(a)pyrene	15.43	252	223344	44.202	ng	96
90) Dibenzo(a,h)anthracene	16.98	278	38189m	8.573	ng	
91) Benzo(g,h,i)perylene	17.43	276	135525	32.284	ng	# 90

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

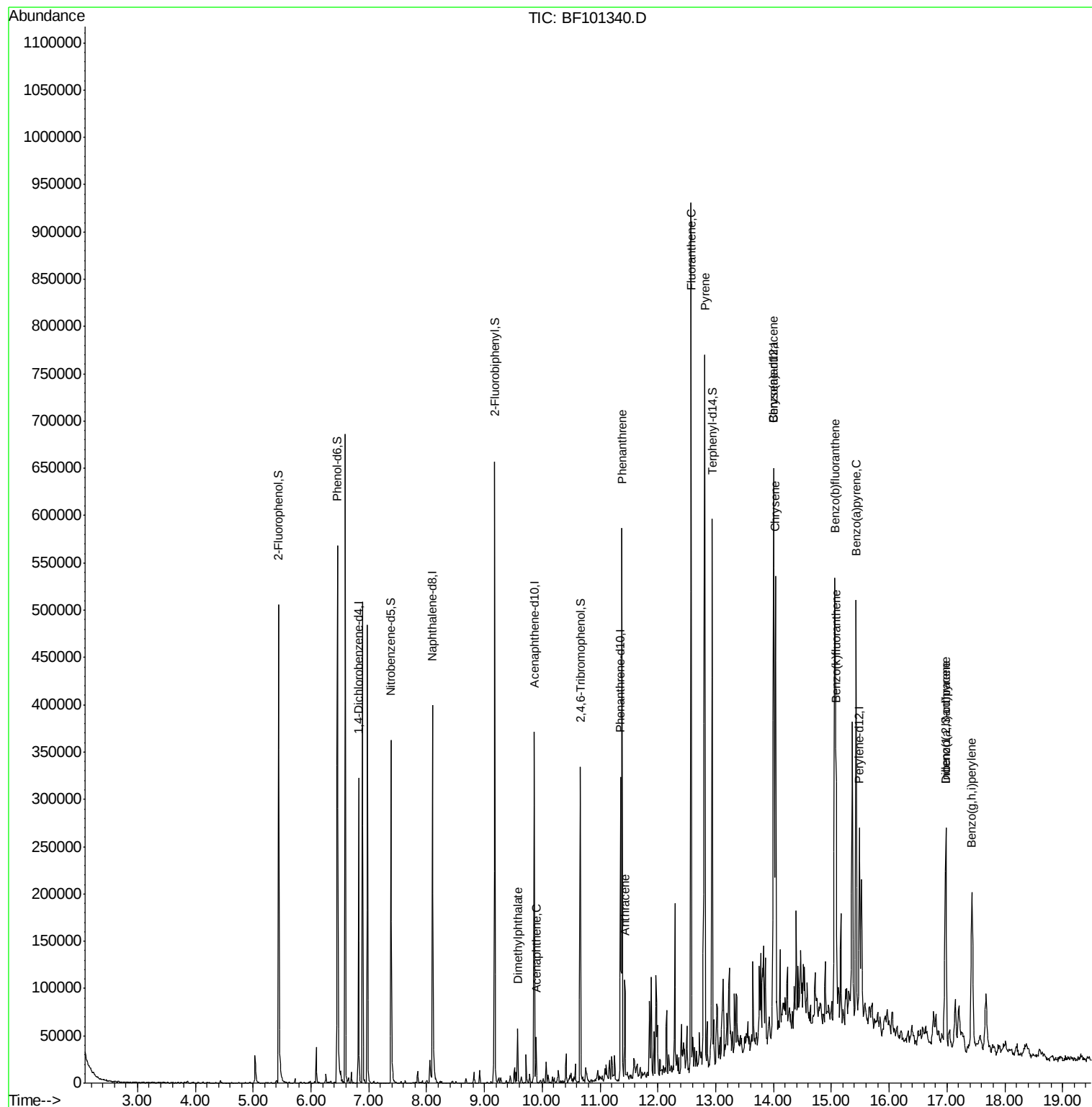
Data Path : Z:\HPCHEM1\BNA F\DATA\BF121217\
Data File : BF101340.D
Acq On : 12 Dec 2017 19:59
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Sample : I6822-07 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

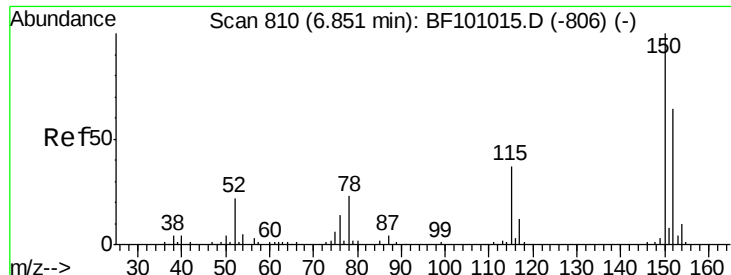
Instrument :
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ClientSampleId :
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Quant Time: Dec 13 03:30:11 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF113017.M
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#1

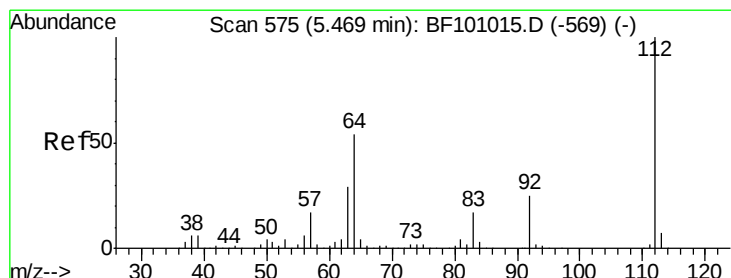
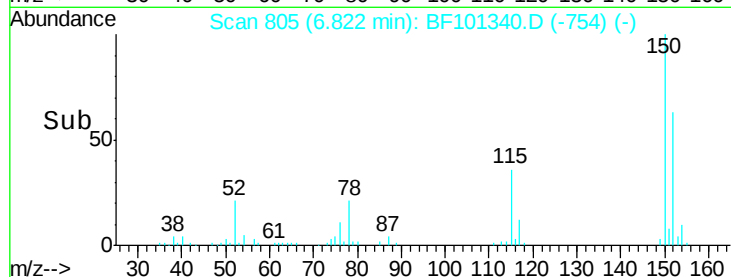
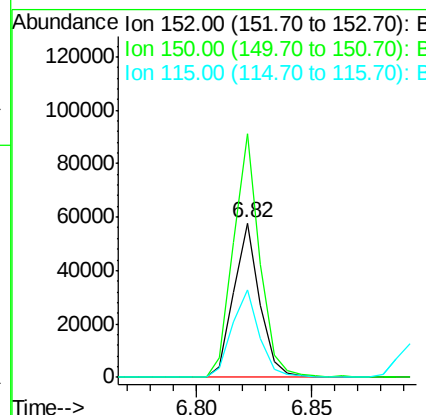
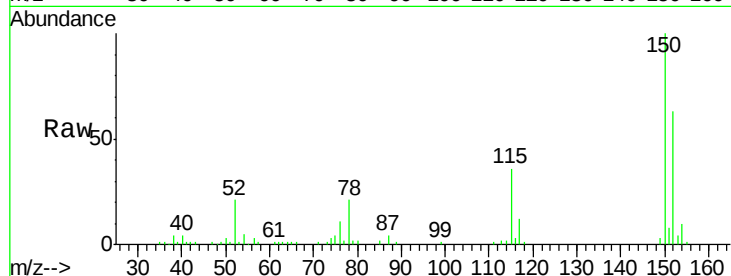
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF101340.D
Acq: 12 Dec 2017 19:59

Instrument :
BNA_F
ClientSampleId :
SB-2(0-2)

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.0	124.6	186.8
115	56.6	50.1	75.1

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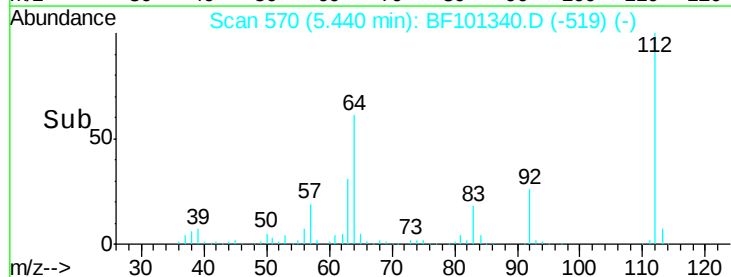
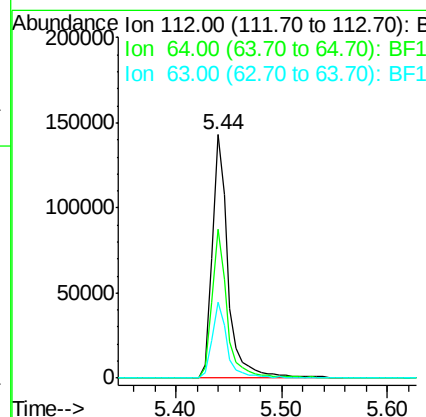
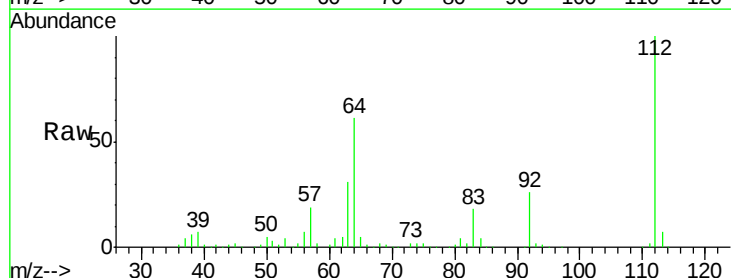
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#5

2-Fluorophenol
Concen: 54.701 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.00 min
Lab File: BF101340.D
Acq: 12 Dec 2017 19:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.2	47.9	71.9
63	31.3	23.7	35.5





#7

Phenol-d6

Concen: 54.703 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF101340.D

Acq: 12 Dec 2017 19:59

Instrument :

BNA_F

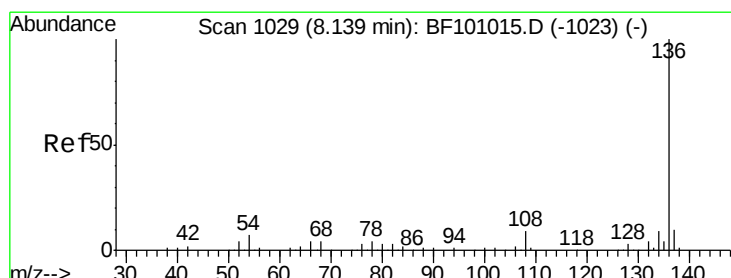
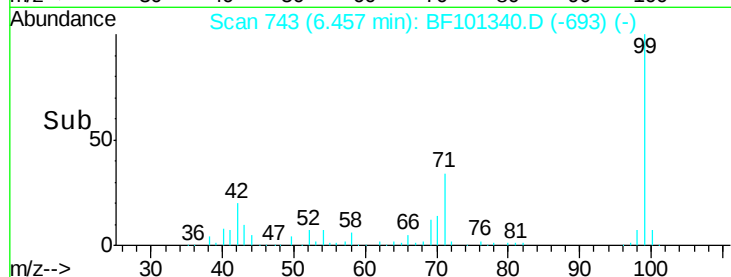
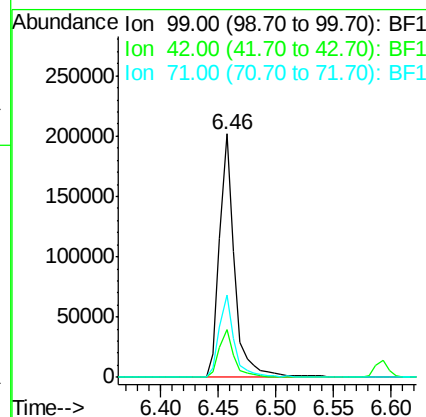
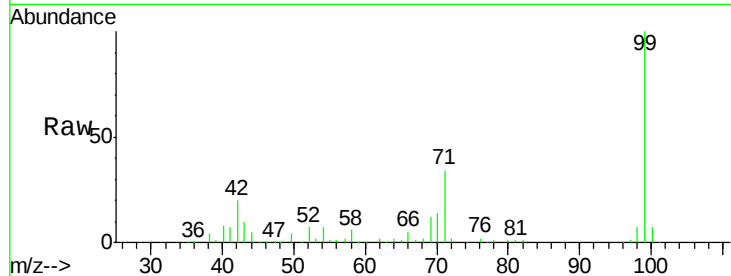
ClientSampled :

SB-2(0-2)

Tot Ion:	99	Resp:	183491
Ion Ratio	Lower	Upper	
99	100		
42	19.8	14.5	21.7
71	34.0	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

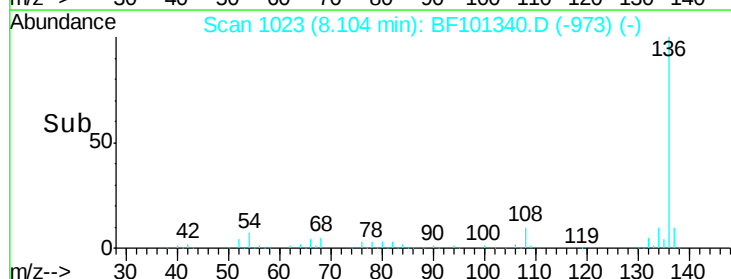
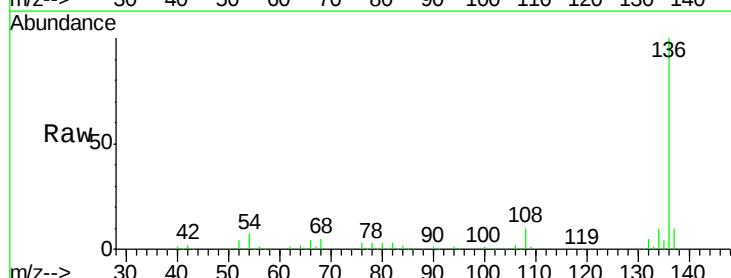
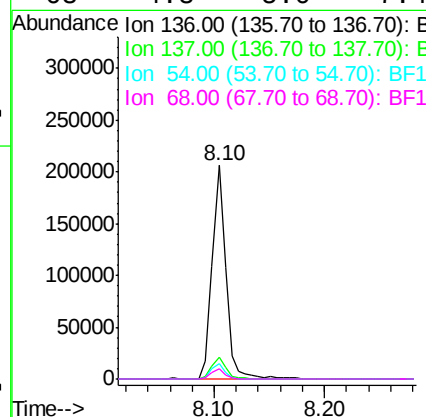
RT: 8.10 min Scan# 1023

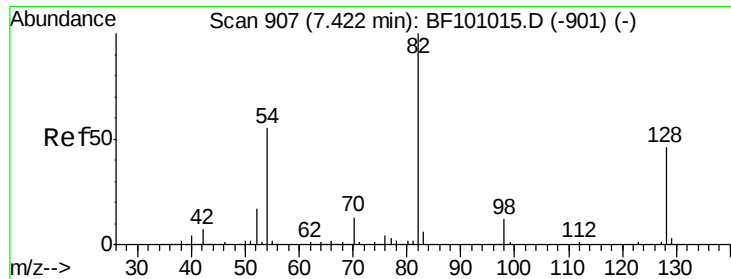
Delta R.T. -0.01 min

Lab File: BF101340.D

Acq: 12 Dec 2017 19:59

Tgt Ion:	136	Resp:	172869
Ion Ratio	Lower	Upper	
136	100		
137	10.4	8.9	13.3
54	7.4	6.6	9.8
68	4.8	5.0	7.4#





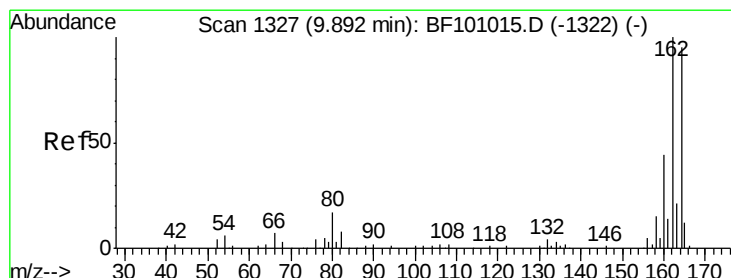
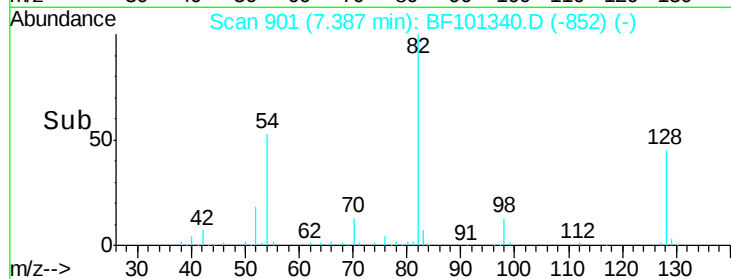
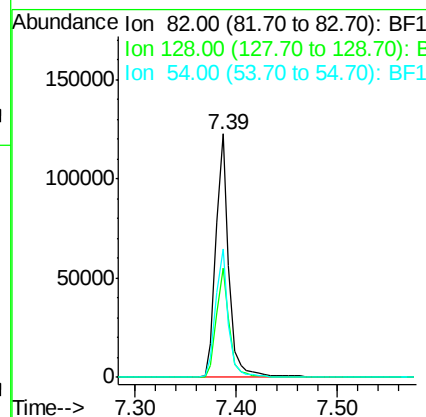
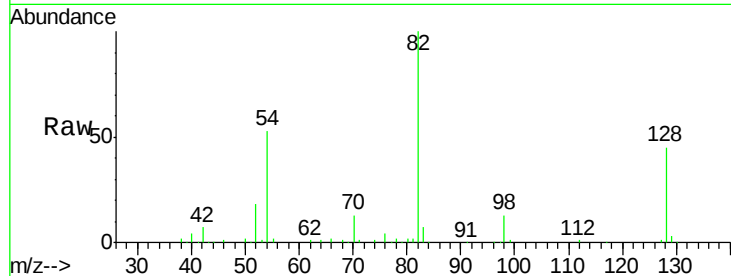
#23
 Nitrobenzene-d5
 Concen: 38.021 ng
 RT: 7.39 min Scan# 901
 Delta R.T. -0.01 min
 Lab File: BF101340.D
 Acq: 12 Dec 2017 19:59

Instrument :
 BNA_F
 ClientSampled :
 SB-2(0-2)

Tot Ion	82	Resp	110181
Ion Ratio	Lower	Upper	
82	100		
128	44.7	36.1	54.1
54	52.6	41.4	62.2

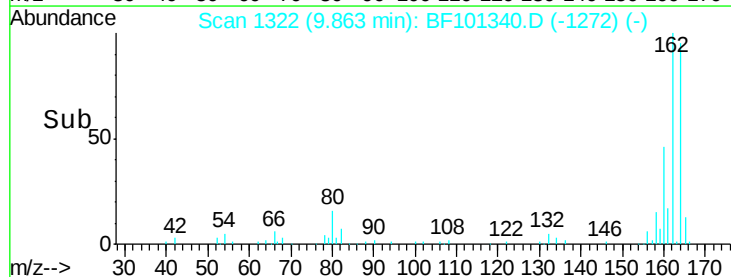
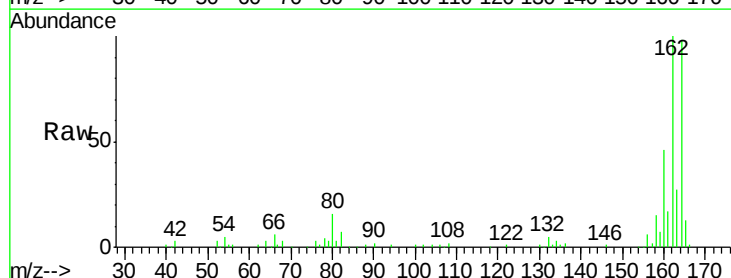
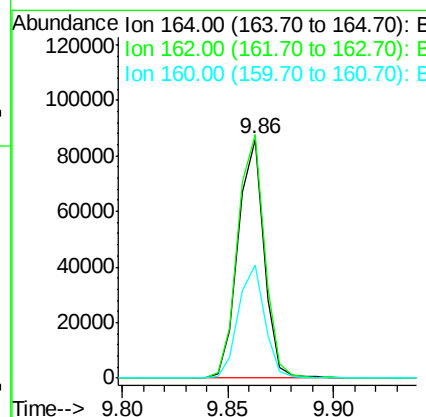
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: BF101340.D
 Acq: 12 Dec 2017 19:59

Tgt Ion	164	Resp	72852
Ion Ratio	Lower	Upper	
164	100		
162	102.1	86.1	129.1
160	47.2	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 47.353 ng

RT: 10.66 min Scan# 1457

Delta R.T. -0.01 min

Lab File: BF101340.D

Acq: 12 Dec 2017 19:59

Instrument :

BNA_F

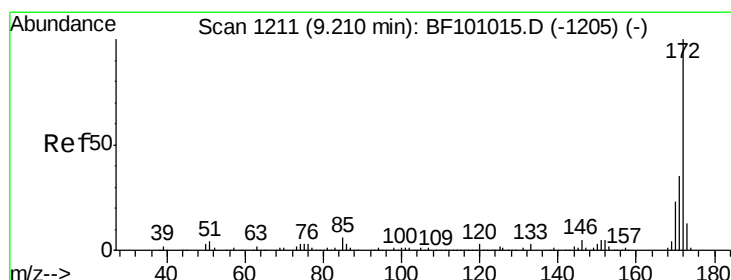
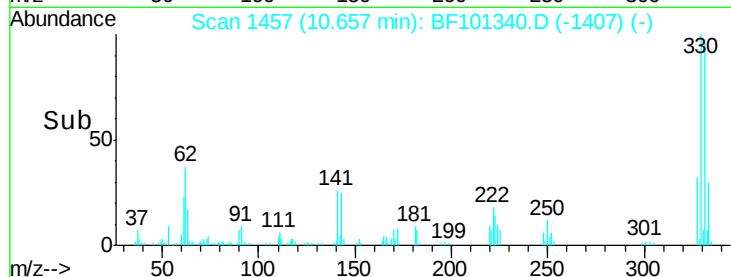
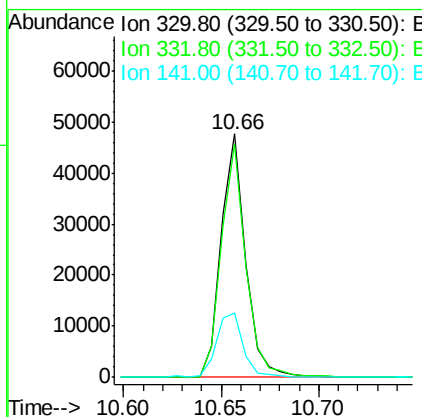
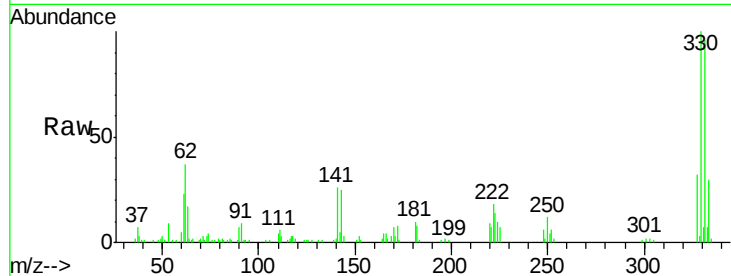
ClientSampleId :

SB-2(0-2)

Tot Ion:	330	Resp:	41441
Ion Ratio	Lower	Upper	
330	100		
332	96.5	77.0	115.6
141	29.0	29.9	44.9#

Manual Integrations
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#44

2-Fluorobiphenyl

Concen: 41.173 ng

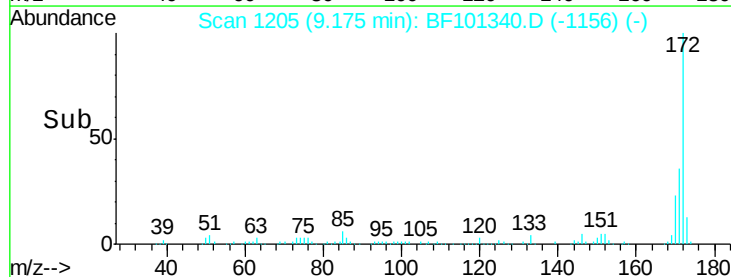
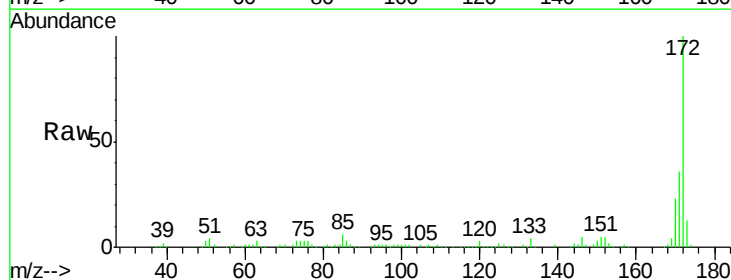
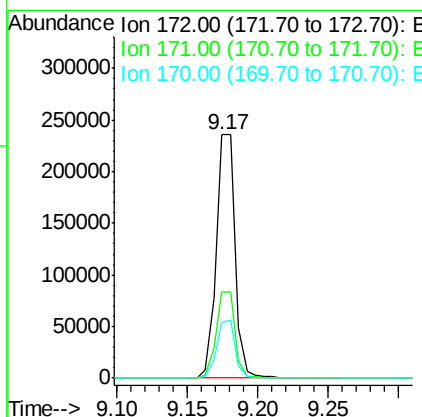
RT: 9.17 min Scan# 1205

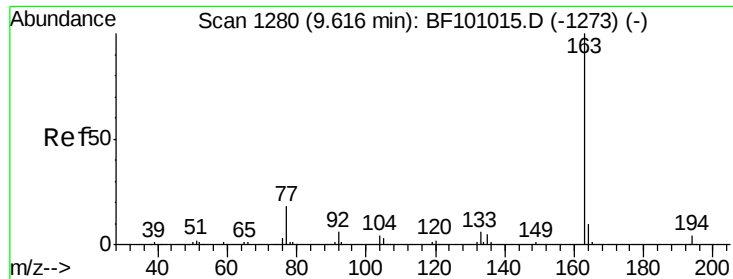
Delta R.T. -0.01 min

Lab File: BF101340.D

Acq: 12 Dec 2017 19:59

Tgt Ion:	172	Resp:	219230
Ion Ratio	Lower	Upper	
172	100		
171	35.5	29.7	44.5
170	22.9	19.6	29.4





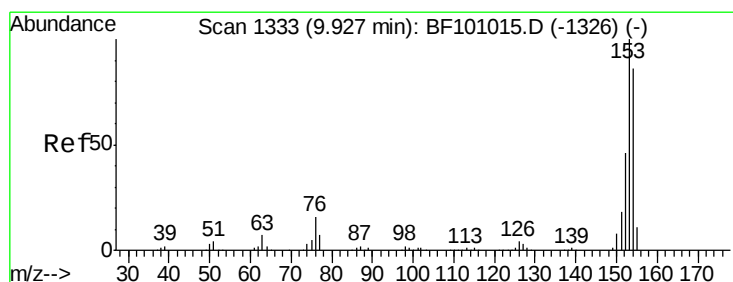
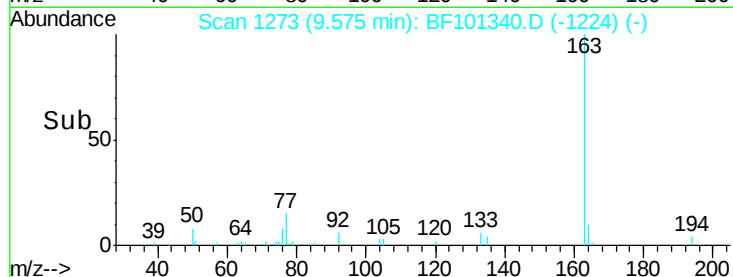
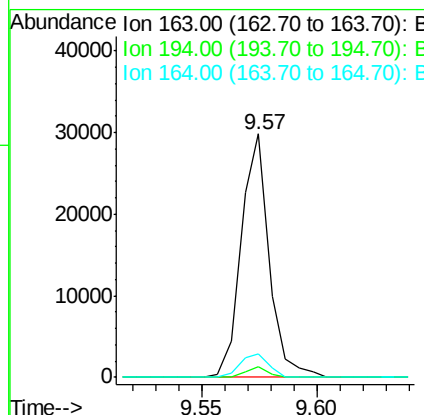
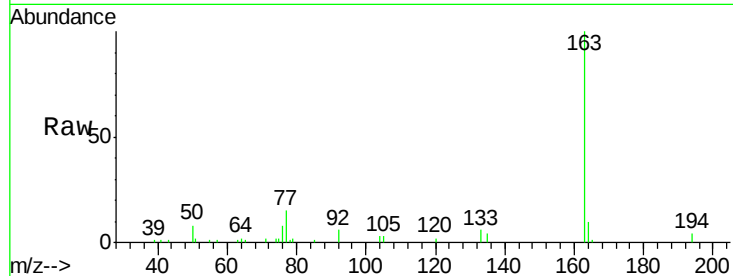
#49
Dimethylphthalate
Concen: 4.271 ng
RT: 9.57 min Scan# 1273
Delta R.T. -0.01 min
Lab File: BF101340.D
Acq: 12 Dec 2017 19:59

Instrument :
BNA_F
ClientSampleId :
SB-2(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	25091		
194	4.2		2.7	4.1#
164	9.6		8.2	12.2

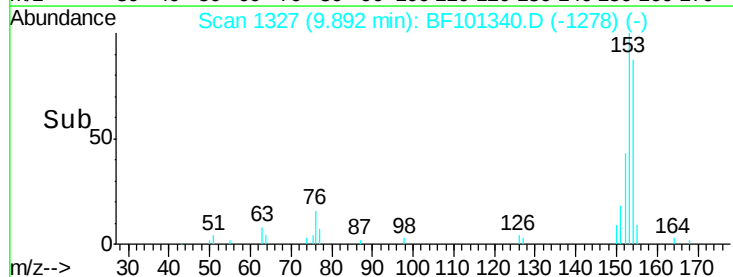
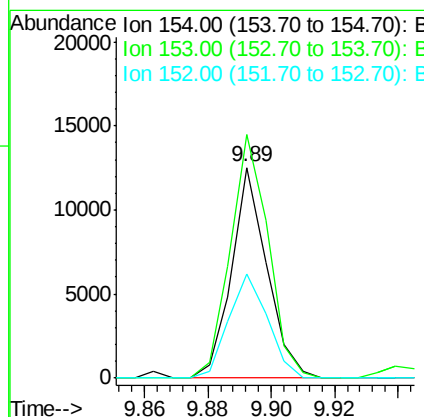
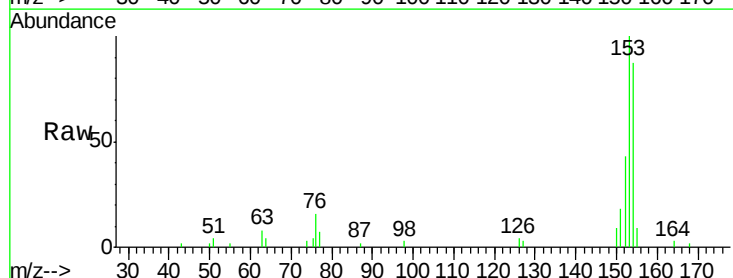
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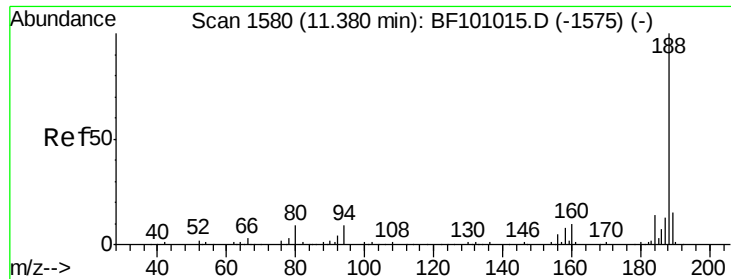
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#51
Acenaphthene
Concen: 2.077 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF101340.D
Acq: 12 Dec 2017 19:59

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	9689		
153	115.4		91.2	136.8
152	49.2		43.8	65.8





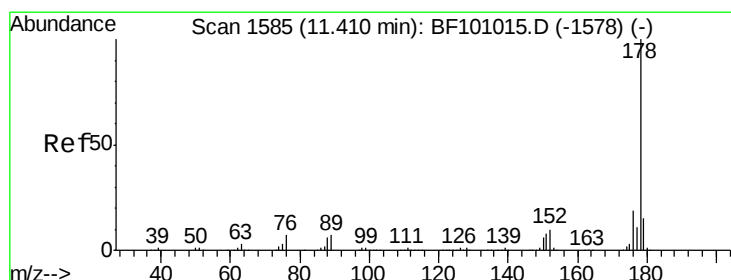
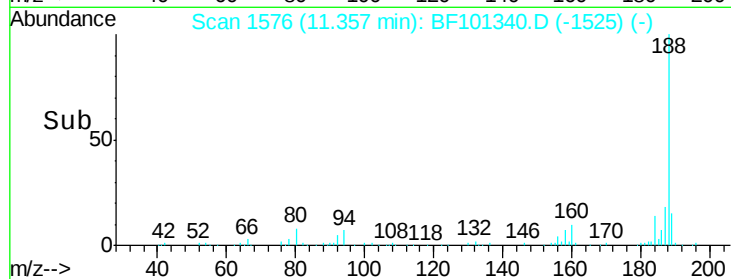
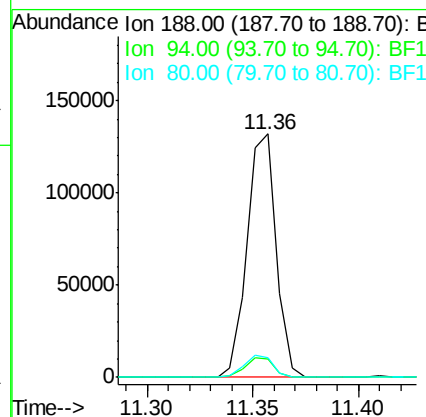
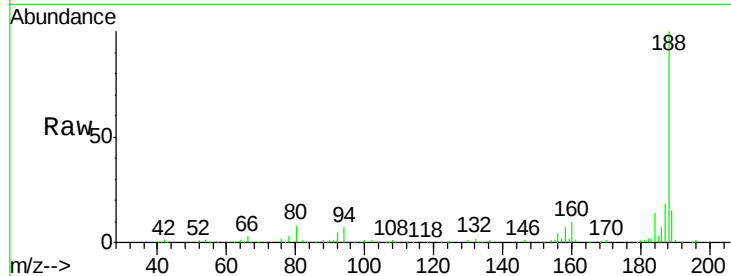
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. 0.00 min
Lab File: BF101340.D
Acq: 12 Dec 2017 19:59

Instrument :
BNA_F
ClientSampleId :
SB-2(0-2)

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	7.3	8.5	12.7#
80	8.1	9.2	13.8#

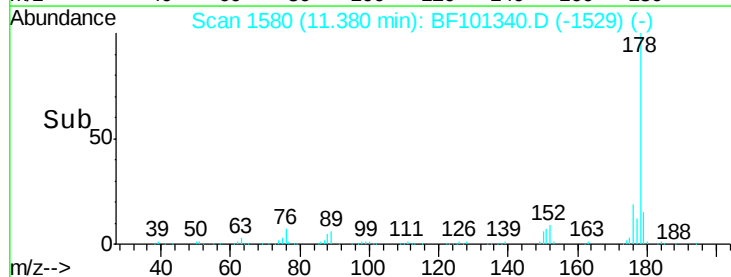
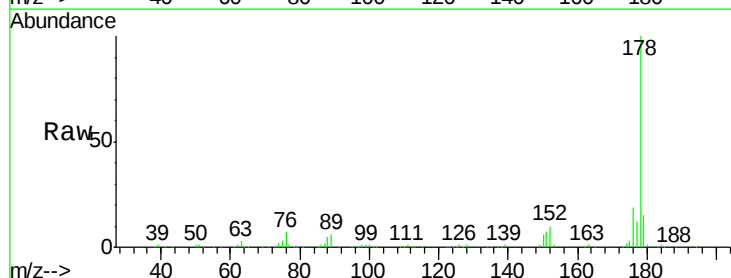
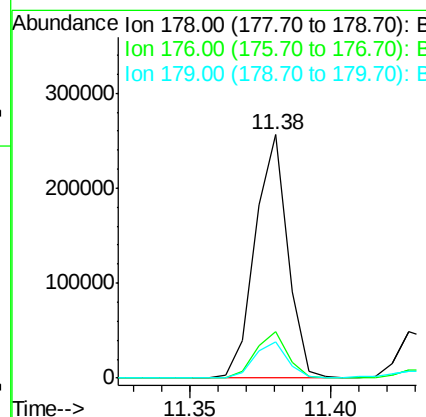
Manual Integrations
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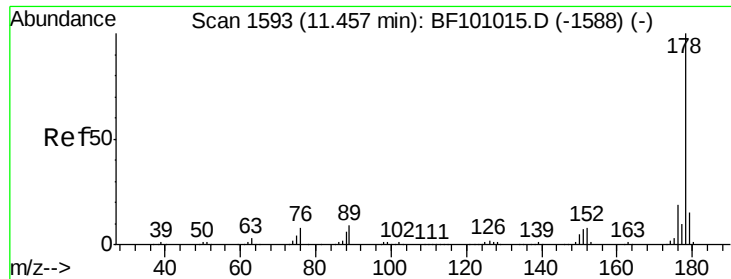
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#70
Phenanthrene
Concen: 29.652 ng
RT: 11.38 min Scan# 1580
Delta R.T. 0.00 min
Lab File: BF101340.D
Acq: 12 Dec 2017 19:59

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.9	15.8	23.8
179	15.1	13.0	19.6





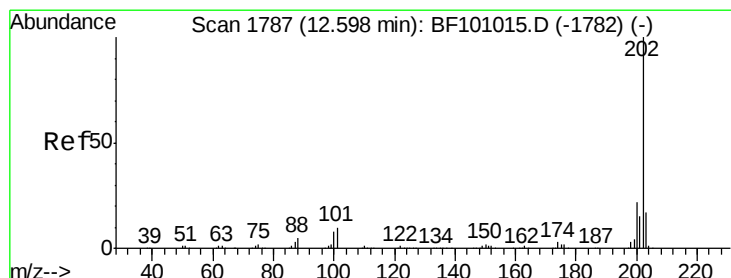
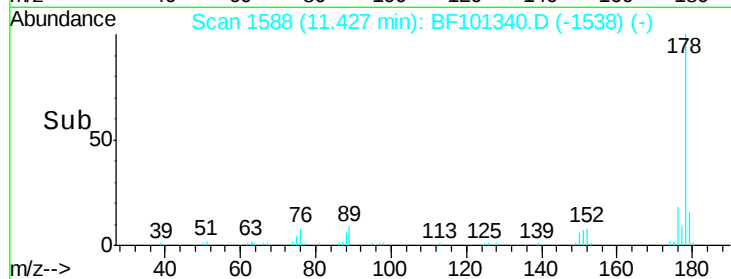
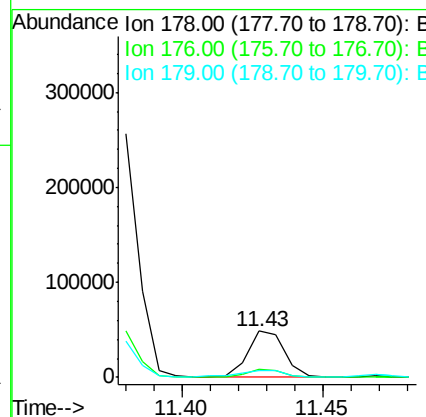
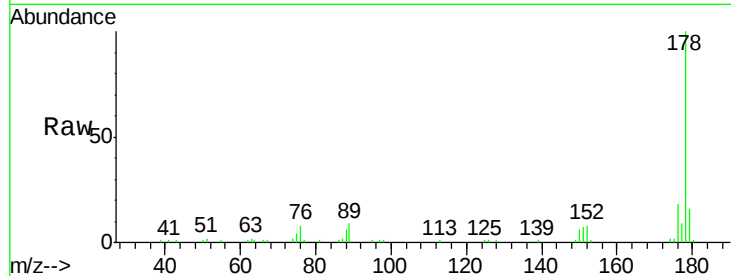
#71
 Anthracene
 Concen: 6.277 ng
 RT: 11.43 min Scan# 1588
 Delta R.T. -0.01 min
 Lab File: BF101340.D
 Acq: 12 Dec 2017 19:59

Instrument :
 BNA_F
 ClientSampleId :
 SB-2(0-2)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.4	23.2
179	15.6	12.6	19.0

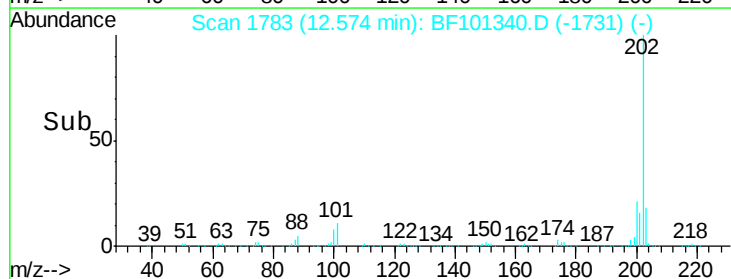
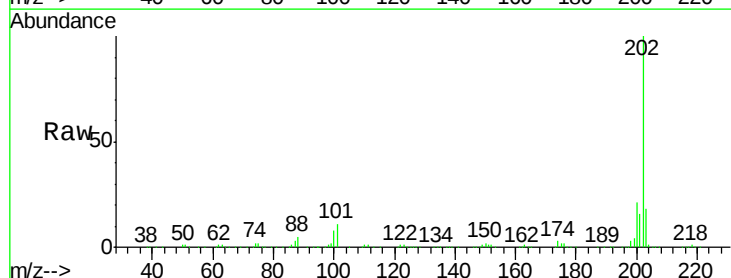
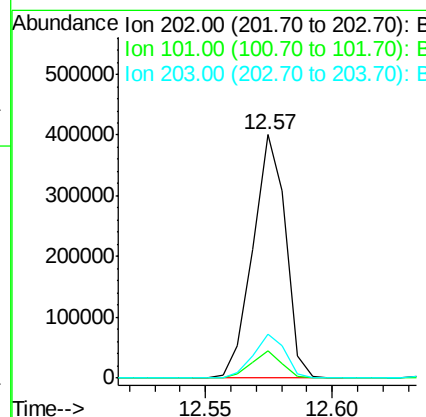
Manual Integrations
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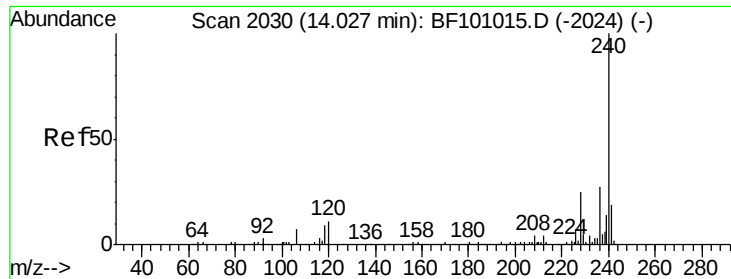
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#74
 Fluoranthene
 Concen: 46.887 ng
 RT: 12.57 min Scan# 1783
 Delta R.T. 0.01 min
 Lab File: BF101340.D
 Acq: 12 Dec 2017 19:59

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	34.1
203	17.9	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.01 min Scan# 2027

Delta R.T. 0.01 min

Lab File: BF101340.D

Acq: 12 Dec 2017 19:59

Instrument :

BNA_F

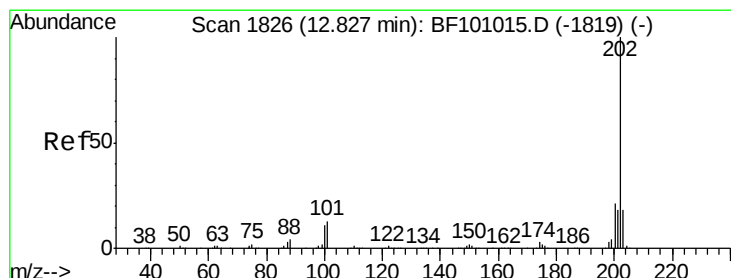
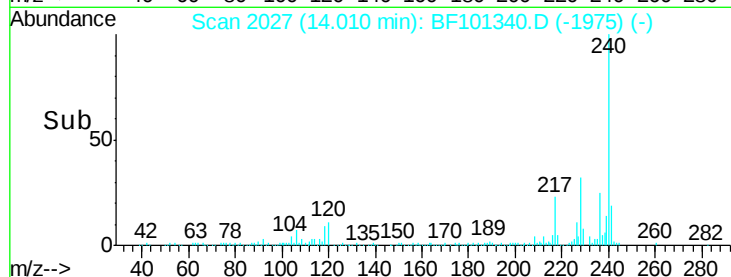
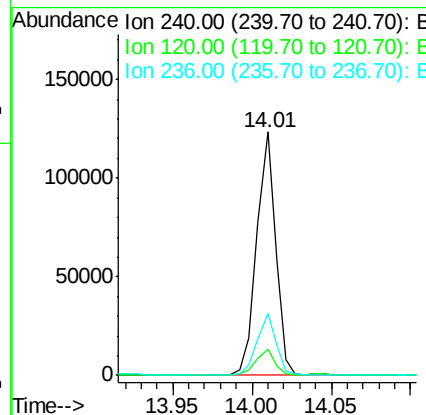
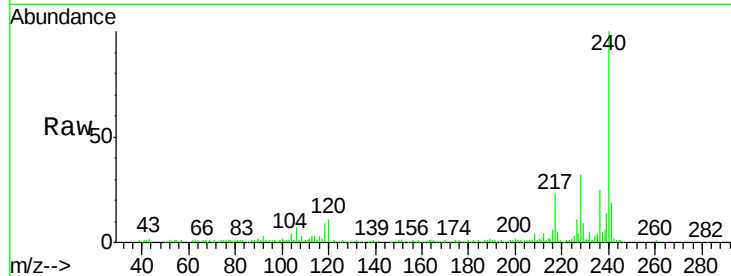
ClientSampled :

SB-2(0-2)

Tot Ion:	240	Resp:	103271
Ion Ratio	Lower	Upper	
240	100		
120	10.9	9.5	14.3
236	25.4	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 47.810 ng

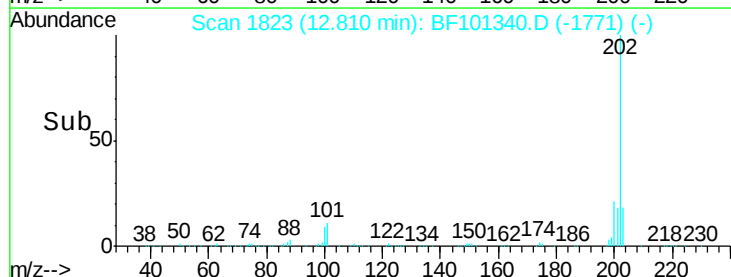
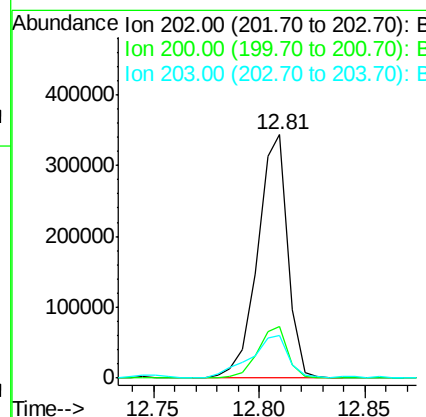
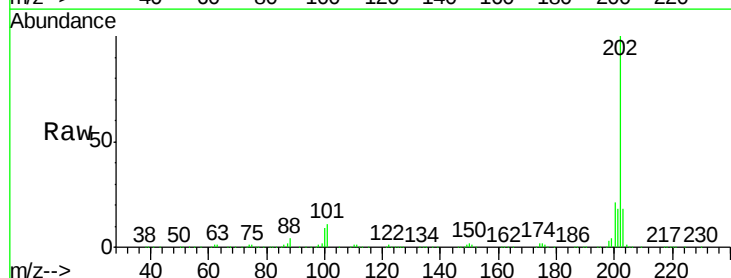
RT: 12.81 min Scan# 1823

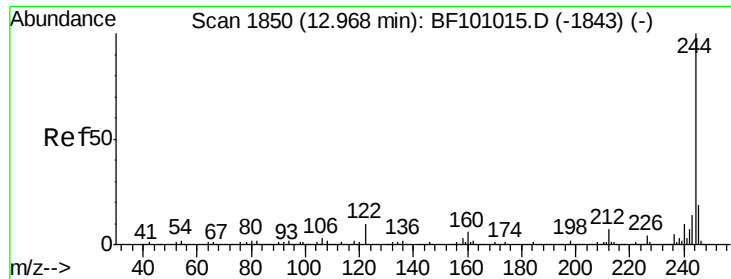
Delta R.T. 0.01 min

Lab File: BF101340.D

Acq: 12 Dec 2017 19:59

Tgt Ion:	202	Resp:	340696
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.4	26.2
203	17.7	14.3	21.5





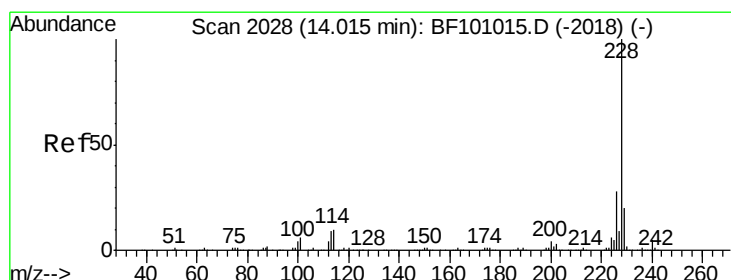
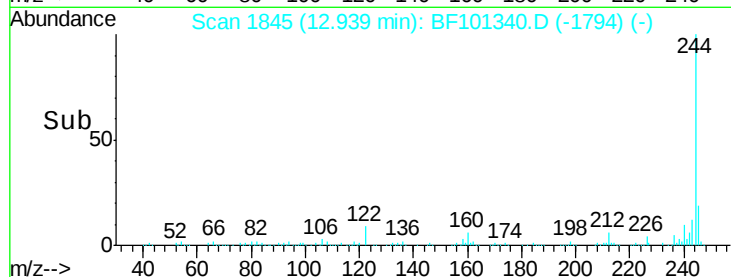
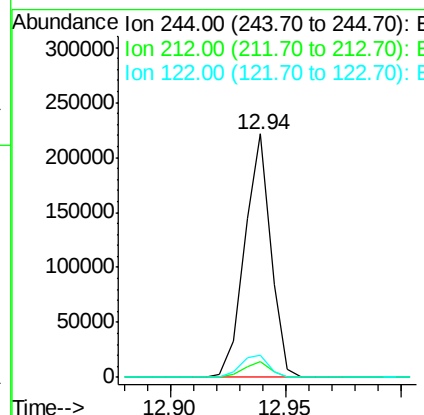
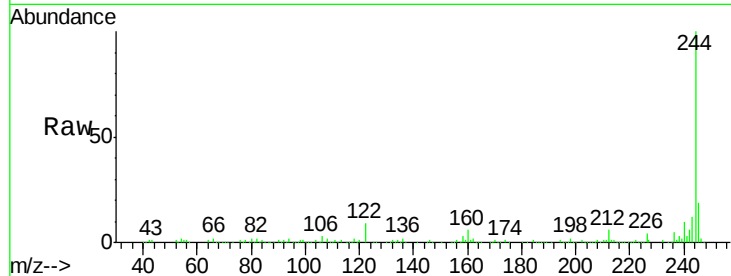
#78
 Terphenyl-d14
 Concen: 37.021 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. 0.00 min
 Lab File: BF101340.D
 Acq: 12 Dec 2017 19:59

Instrument :
 BNA_F
 ClientSampled :
 SB-2(0-2)

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.4	8.0
122	9.3	11.0	16.4

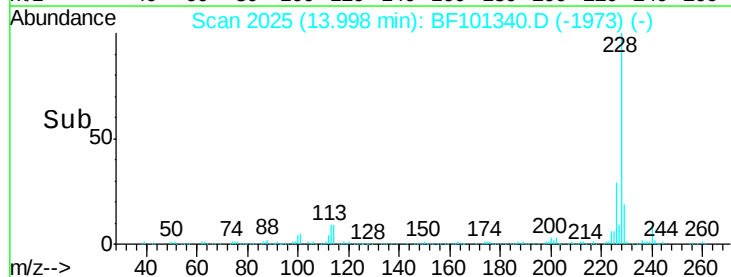
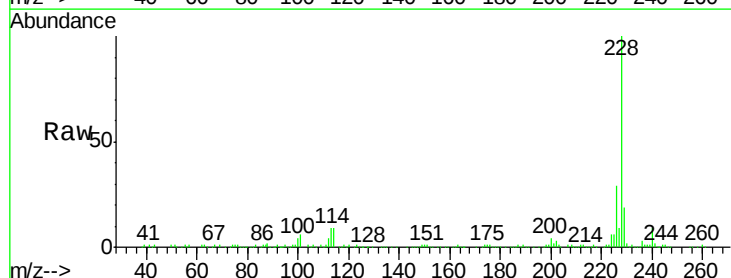
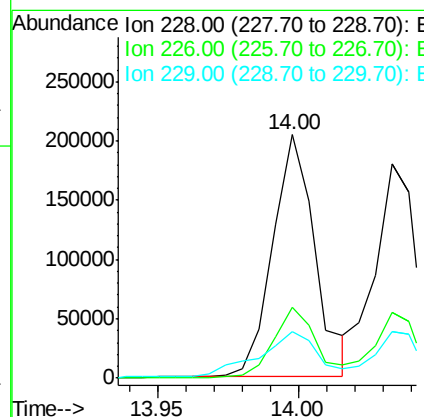
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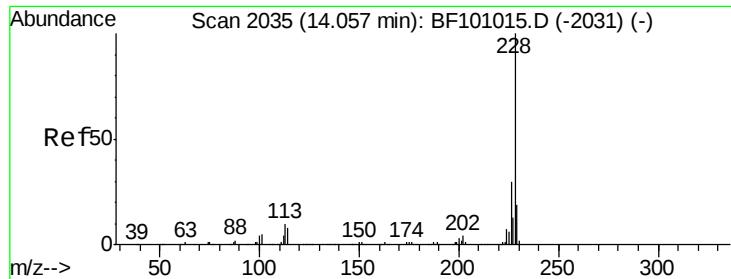
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#80
 Benzo(a)anthracene
 Concen: 32.766 ng
 RT: 14.00 min Scan# 2025
 Delta R.T. 0.01 min
 Lab File: BF101340.D
 Acq: 12 Dec 2017 19:59

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.6	33.8
229	19.1	15.8	23.6





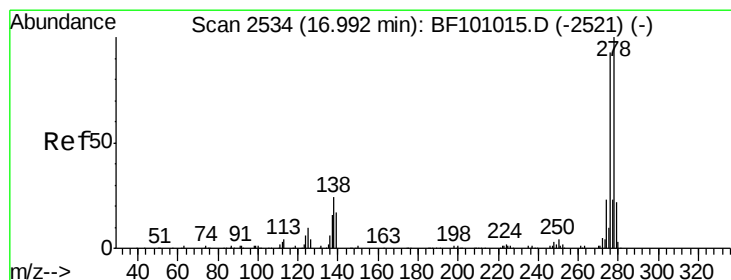
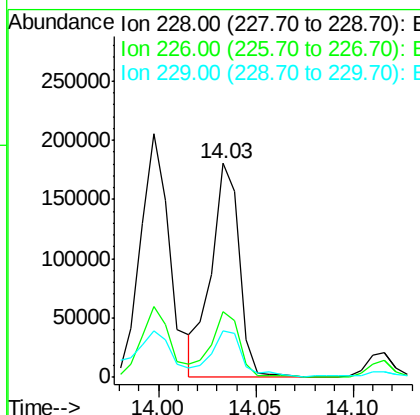
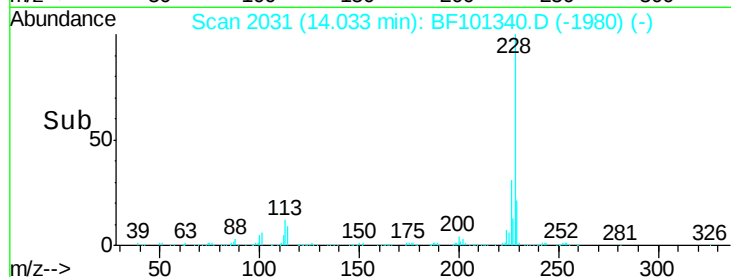
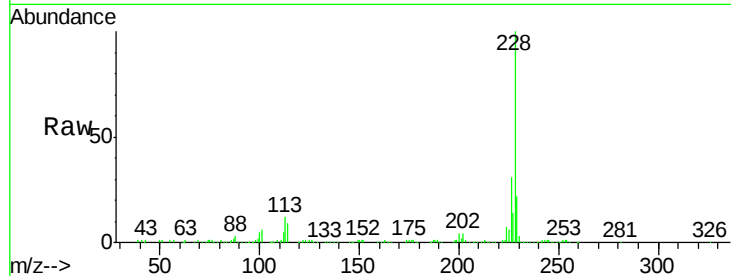
#82
Chrysene
Concen: 29.566 ng
RT: 14.03 min Scan# 2031
Delta R.T. 0.00 min
Lab File: BF101340.D
Acq: 12 Dec 2017 19:59

Instrument :
BNA_F
ClientSampled :
SB-2(0-2)

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.0	37.6
229	21.8	16.2	24.4

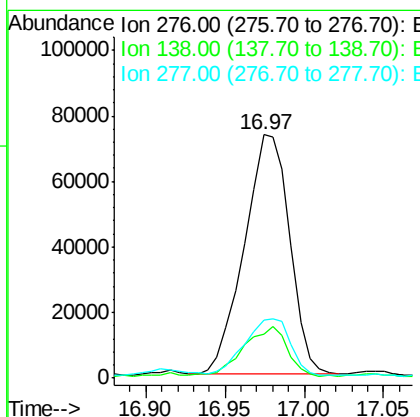
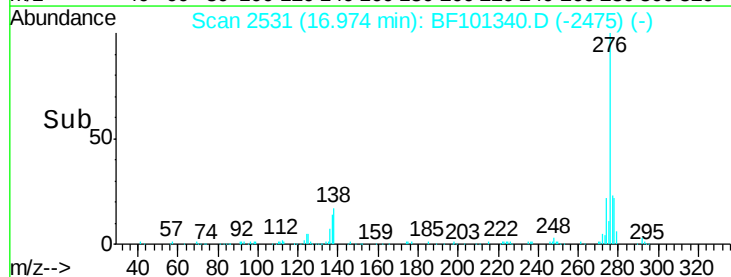
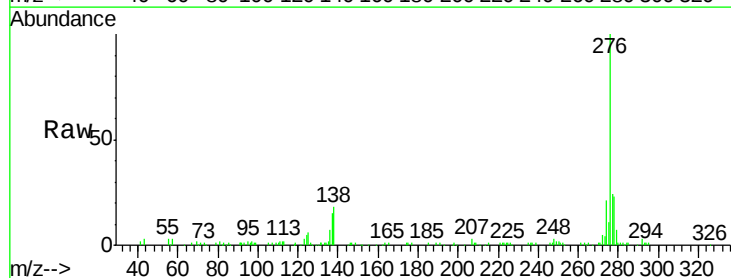
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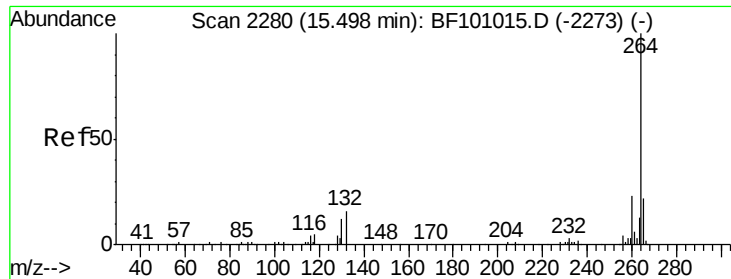
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#85
Indeno(1,2,3-cd)pyrene
Concen: 26.941 ng
RT: 16.97 min Scan# 2531
Delta R.T. 0.03 min
Lab File: BF101340.D
Acq: 12 Dec 2017 19:59

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.7	25.0	37.6#
277	24.6	20.1	30.1





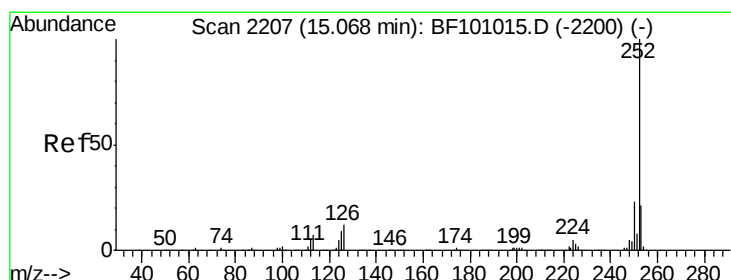
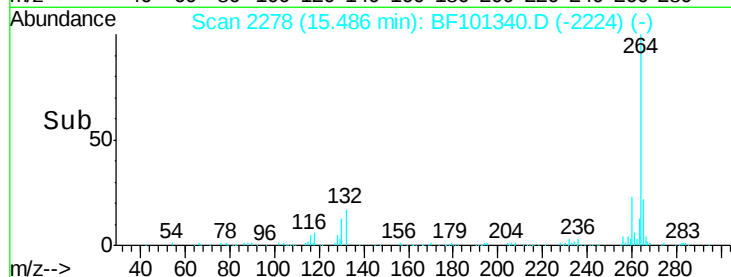
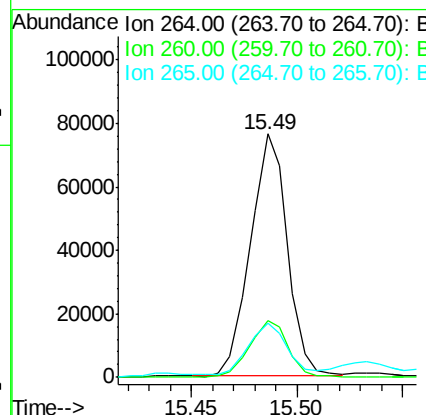
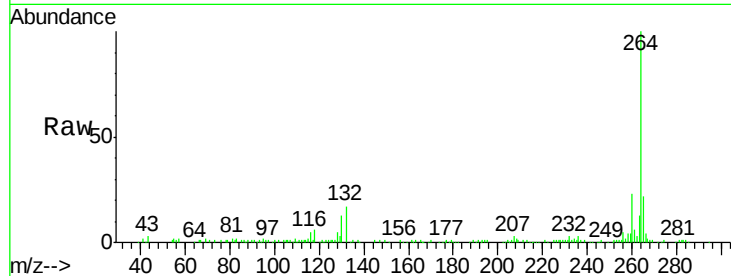
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.02 min
Lab File: BF101340.D
Acq: 12 Dec 2017 19:59

Instrument :
BNA_F
ClientSampleId :
SB-2(0-2)

Tot Ion:	264	Resp:	92789
Ion Ratio	Lower	Upper	
264	100		
260	23.5	19.2	28.8
265	22.3	17.5	26.3

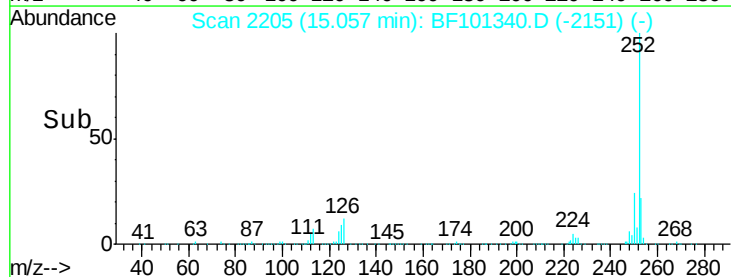
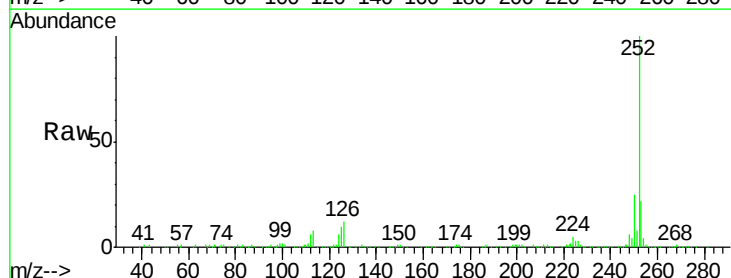
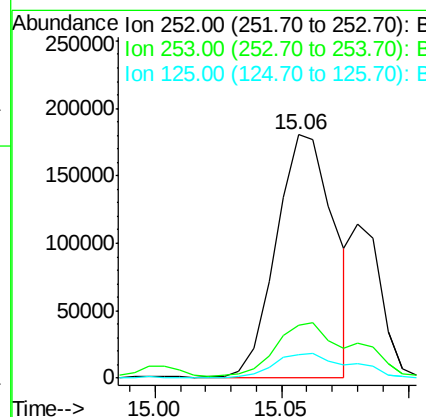
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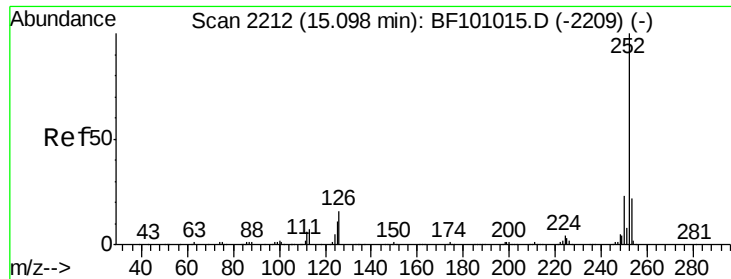
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#87
Benzo(b)fluoranthene
Concen: 51.456 ng m
RT: 15.06 min Scan# 2205
Delta R.T. 0.02 min
Lab File: BF101340.D
Acq: 12 Dec 2017 19:59

Tgt Ion:	252	Resp:	285980
Ion Ratio	Lower	Upper	
252	100		
253	21.9	17.0	25.6
125	9.9	9.0	13.6





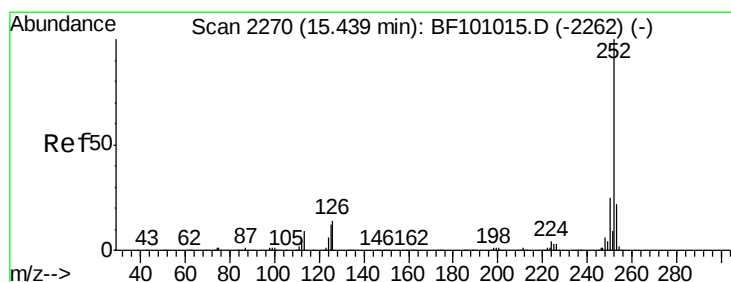
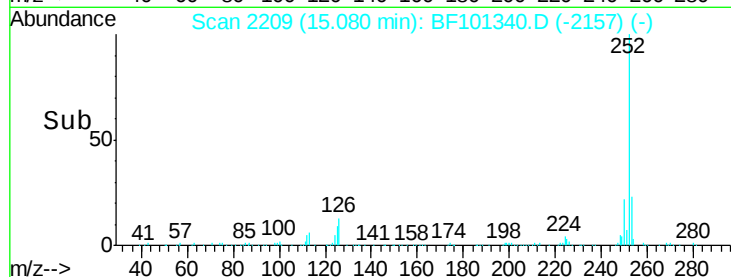
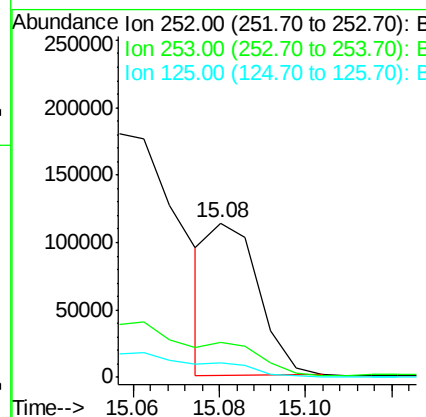
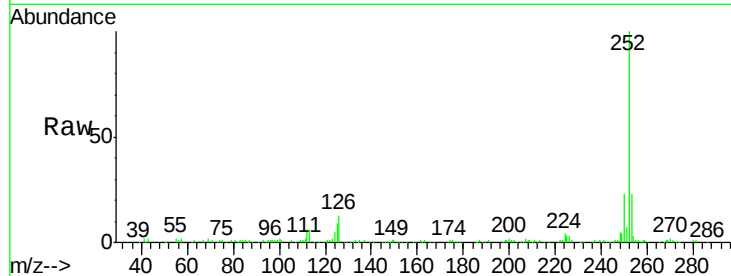
#88
Benzo(k)fluoranthene
Concen: 16.272 ng m
RT: 15.08 min Scan# 2209
Delta R.T. 0.01 min
Lab File: BF101340.D
Acq: 12 Dec 2017 19:59

Instrument :
BNA_F
ClientSampled :
SB-2(0-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	9.5	10.2	15.2

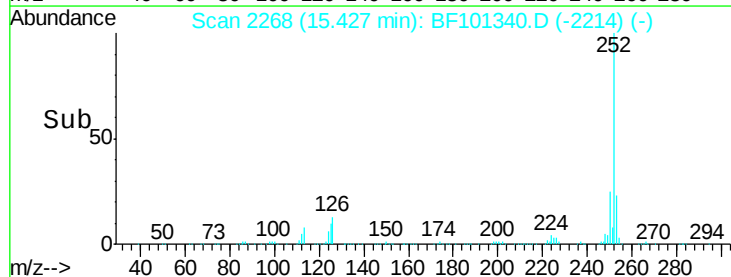
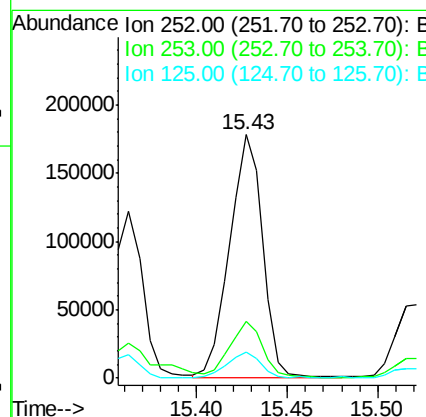
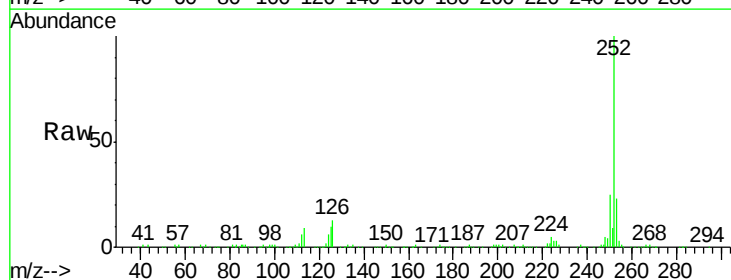
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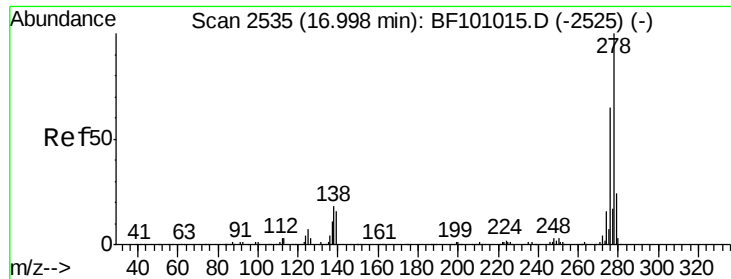
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#89
Benzo(a)pyrene
Concen: 44.202 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.02 min
Lab File: BF101340.D
Acq: 12 Dec 2017 19:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.1	25.7
125	10.5	9.8	14.6





#90

Dibenzo(a,h)anthracene

Concen: 8.573 ng

RT: 16.98 min Scan# 2532

Delta R.T. 0.02 min

Lab File: BF101340.D

Acq: 12 Dec 2017 19:59

Instrument :

BNA_F

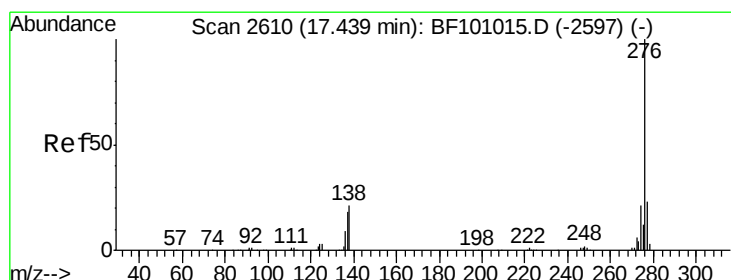
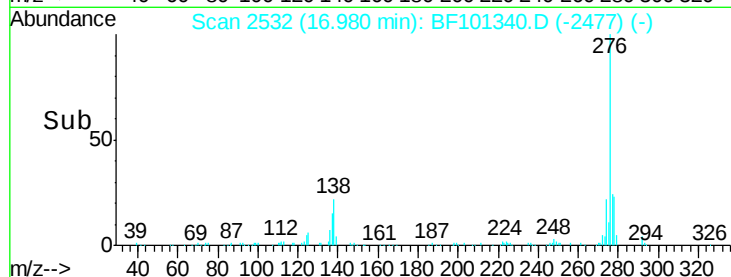
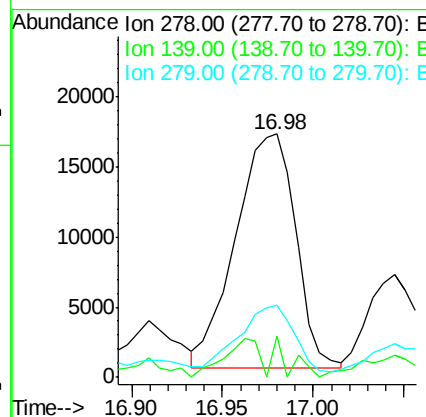
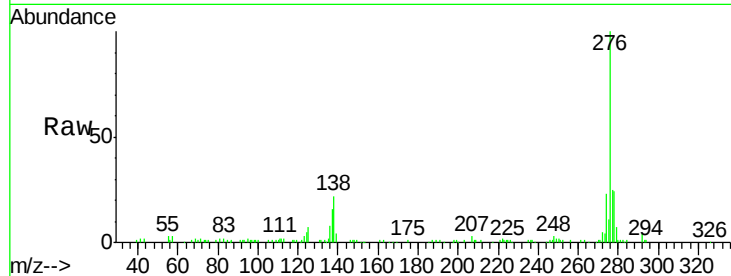
ClientSampleId :

SB-2(0-2)

Tot Ion:	278	Resp:	38189
Ion Ratio	Lower	Upper	
278	100		
139	16.9	15.9	23.9
279	29.8	19.0	28.4#

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 32.284 ng

RT: 17.43 min Scan# 2609

Delta R.T. 0.04 min

Lab File: BF101340.D

Acq: 12 Dec 2017 19:59

Tgt Ion:	276	Resp:	135525
Ion Ratio	Lower	Upper	
276	100		
277	20.7	17.9	26.9
138	19.2	21.8	32.8#

