

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121117\
 Data File : BF101295.D
 Acq On : 11 Dec 2017 17:49
 Operator : SJ/JU
 Sample : I6789-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-1

Manual Integrations
 APPROVED

Sohil
 12/12/2017 3:59:11 PM

Quant Time: Dec 12 00:49:03 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	6.83	152	45210	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	168416	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	65681	20.00	ng	0.02
63) Phenanthrene-d10	11.39	188	99747	20.00	ng	0.04
75) Chrysene-d12	14.03	240	92316	20.00	ng	0.02
86) Perylene-d12	15.51	264	93838	20.00	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	273794	100.07	ng	0.01
7) Phenol-d6	6.47	99	341781	102.89	ng	0.01
23) Nitrobenzene-d5	7.40	82	202123	71.59	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	67258	85.24	ng	0.03
44) 2-Fluorobiphenyl	9.20	172	365035	76.04	ng	0.01
78) Terphenyl-d14	12.97	244	260065	61.62	ng	0.03
Target Compounds						
51) Acenaphthene	9.92	154	15531	3.693	ng	# 74
59) Diethylphthalate	10.30	149	46576	8.915	ng	# 83
73) Di-n-butylphthalate	11.93	149	103198	16.209	ng	# 94
74) Fluoranthene	12.61	202	65316	10.727	ng	# 91
77) Pyrene	12.84	202	111386	17.486	ng	# 93
79) Butylbenzylphthalate	13.43	149	6347	2.260	ng	# 66
80) Benzo(a)anthracene	14.02	228	29005m	4.976	ng	
82) Chrysene	14.05	228	38227m	7.062	ng	
83) Bis(2-ethylhexyl)phthalate	13.98	149	65715	16.410	ng	# 96
85) Indeno(1,2,3-cd)pyrene	17.00	276	15380	3.196	ng	# 87
87) Benzo(b)fluoranthene	15.07	252	35316m	6.283	ng	
88) Benzo(k)fluoranthene	15.10	252	11169m	2.017	ng	
89) Benzo(a)pyrene	15.44	252	22368	4.377	ng	# 64
91) Benzo(a,h,i)perylene	17.46	276	17236	4.060	ng	# 90

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

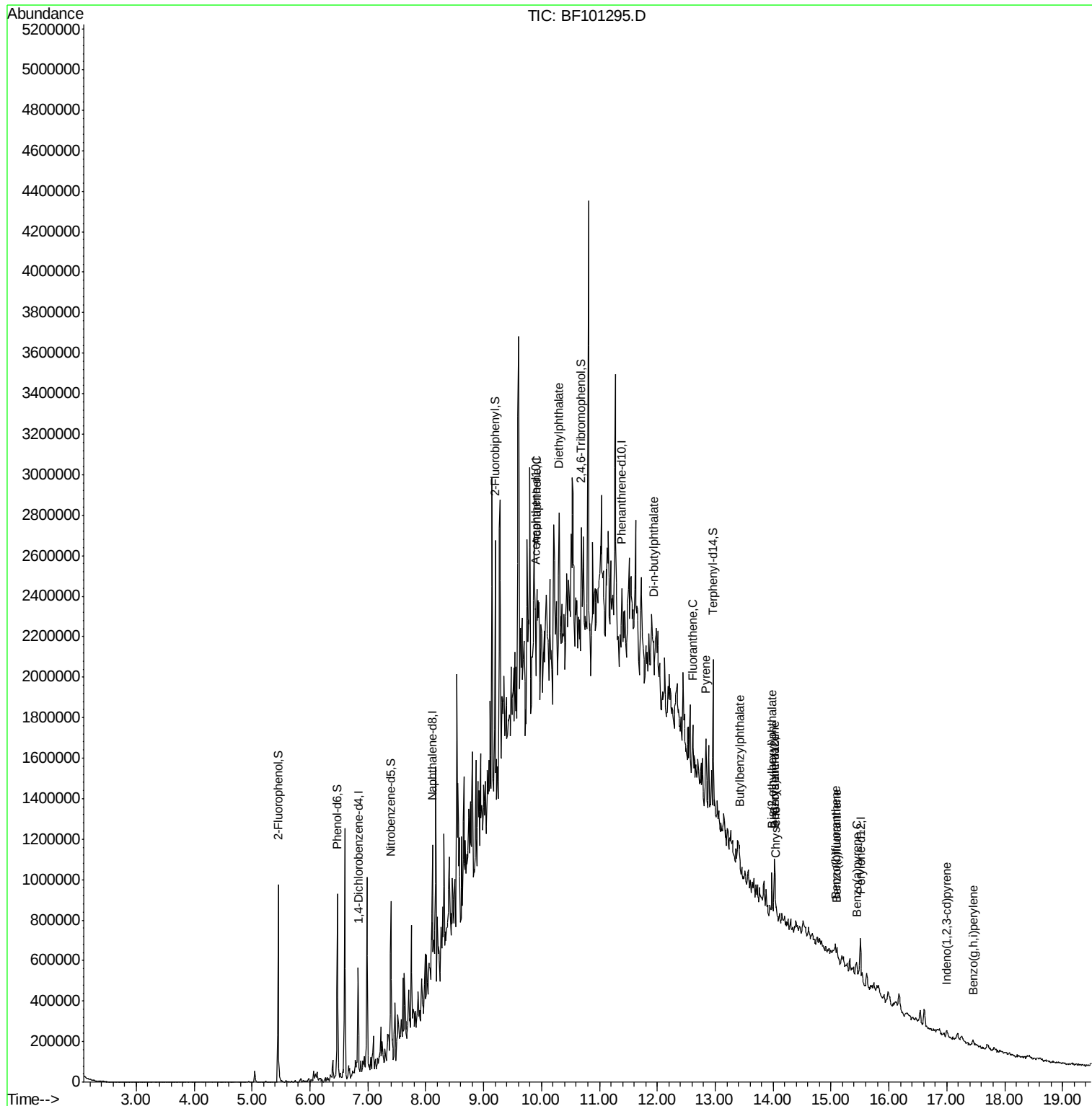
Data Path : Z:\HPCHEM1\BNA F\DATA\BF121117\
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#1

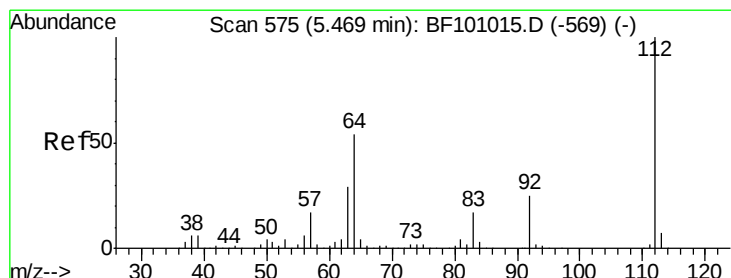
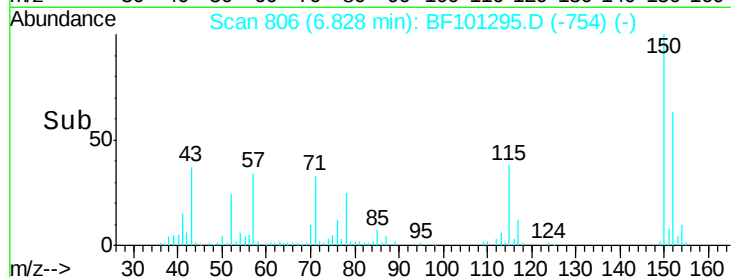
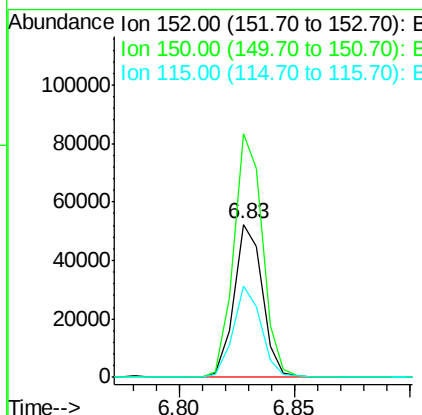
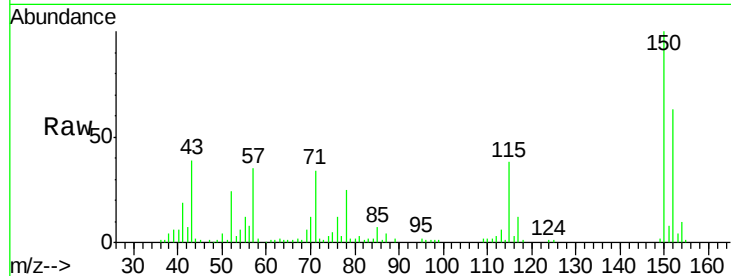
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.01 min
Lab File: BF101295.D
Acq: 11 Dec 2017 17:49

Instrument :
BNA_F
ClientSampled :
SP-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.3	124.6	186.8
115	59.7	50.1	75.1

Manual Integrations
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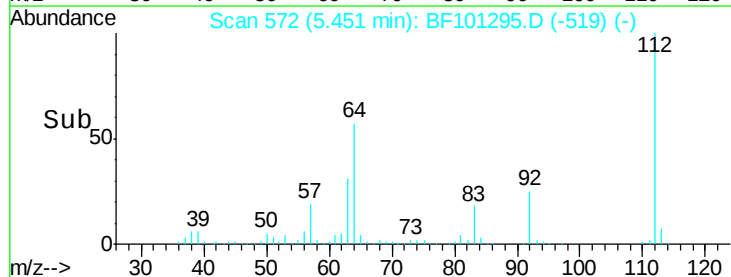
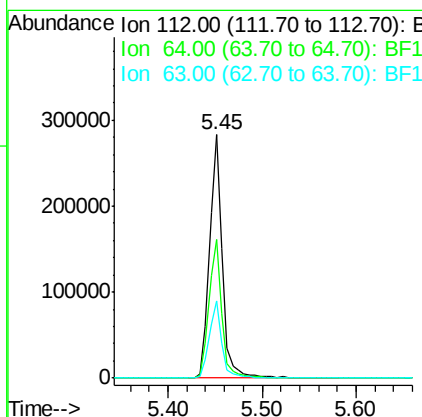
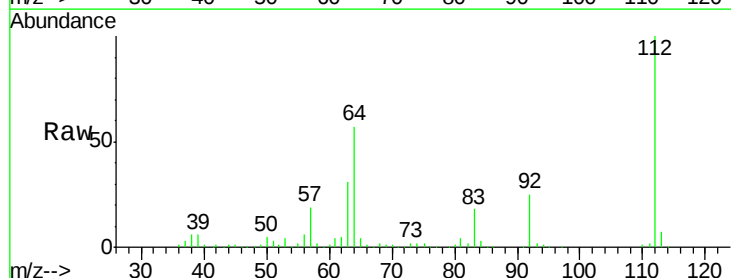
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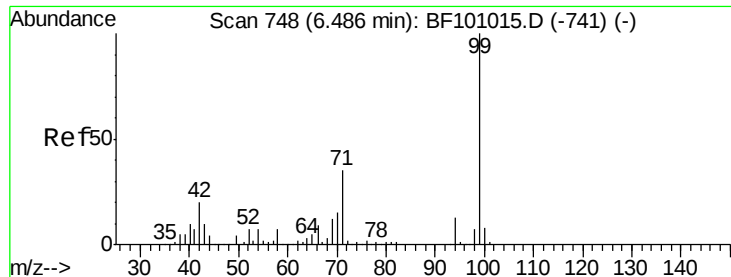


#5

2-Fluorophenol
Concen: 100.073 ng
RT: 5.45 min Scan# 572
Delta R.T. 0.01 min
Lab File: BF101295.D
Acq: 11 Dec 2017 17:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.2	47.9	71.9
63	31.5	23.7	35.5





#7

Phenol-d6

Concen: 102.893 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.01 min

Lab File: BF101295.D

Acq: 11 Dec 2017 17:49

Instrument :

BNA_F

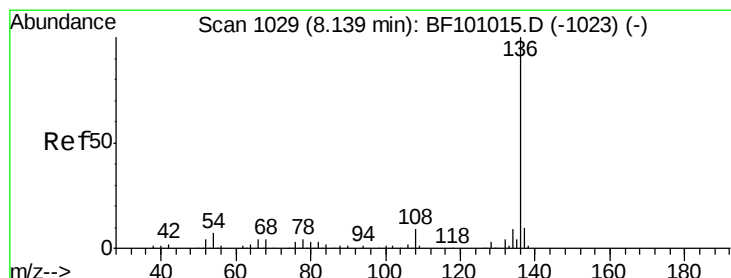
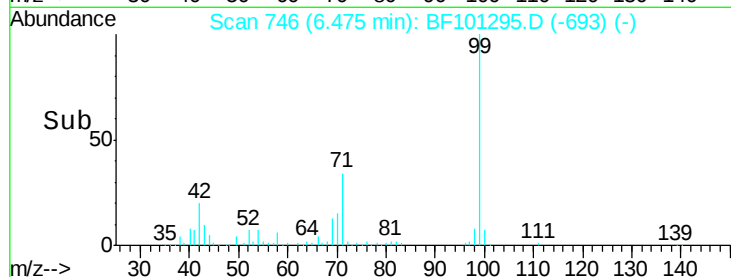
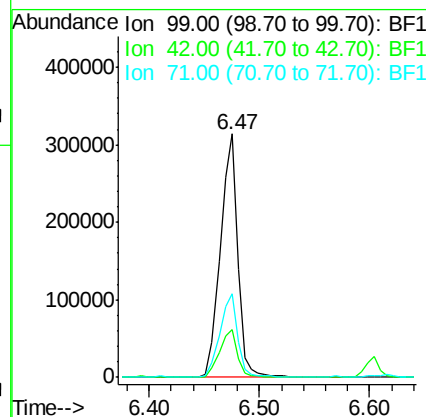
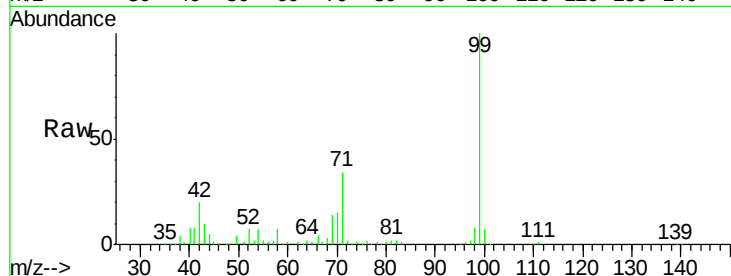
ClientSampled :

SP-1

Tot Ion:	99	Resp:	341781
Ion Ratio	Lower	Upper	
99	100		
42	19.7	14.5	21.7
71	34.2	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

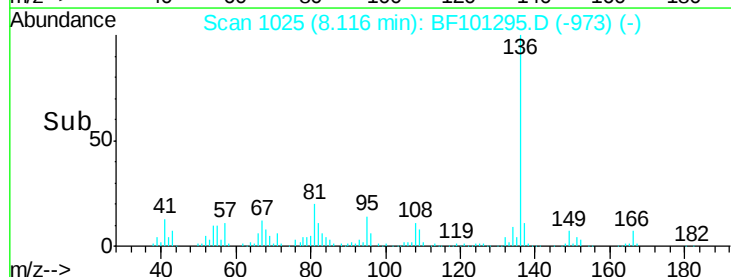
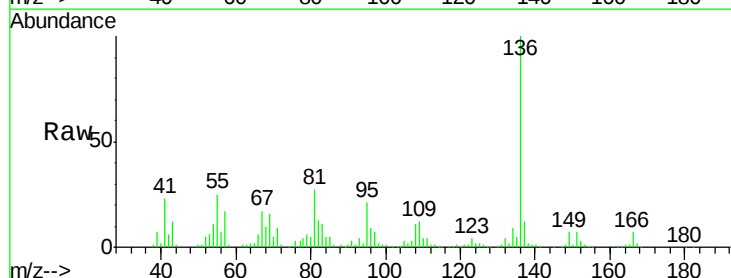
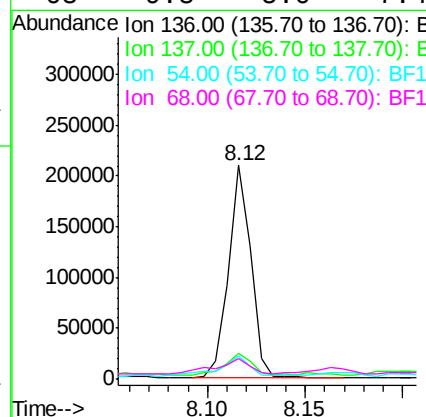
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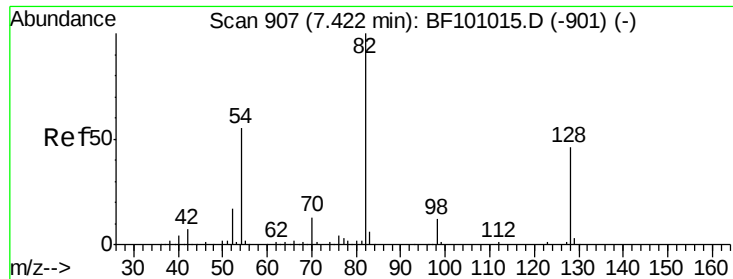
Delta R.T. 0.01 min

Lab File: BF101295.D

Acq: 11 Dec 2017 17:49

Tgt Ion:	136	Resp:	168416
Ion Ratio	Lower	Upper	
136	100		
137	12.3	8.9	13.3
54	10.8	6.6	9.8#
68	9.8	5.0	7.4#





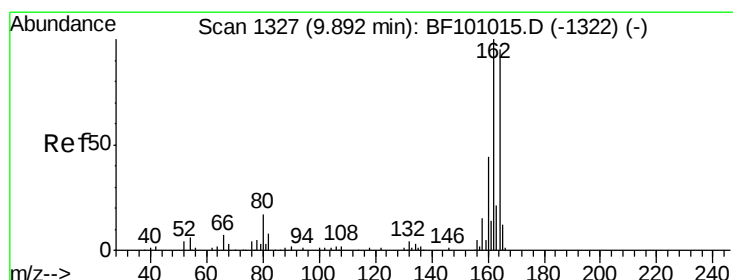
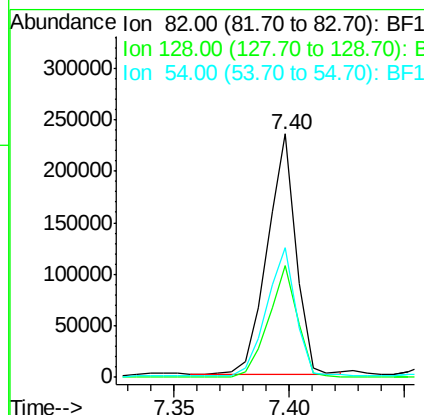
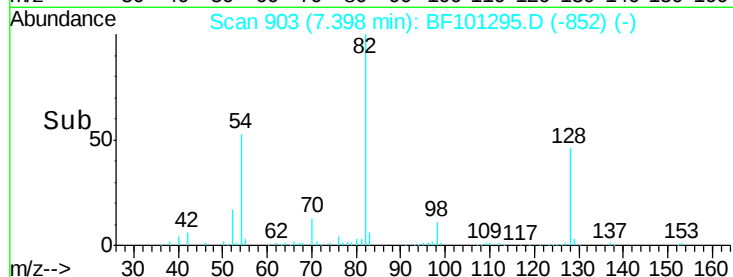
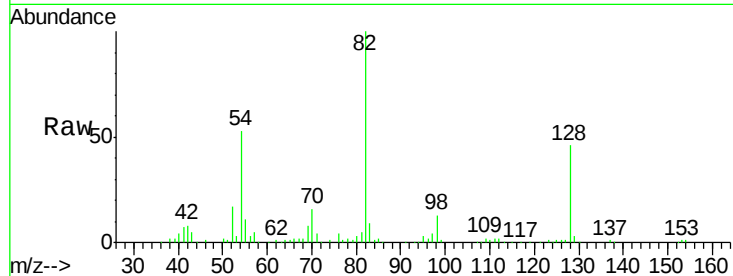
#23
Nitrobenzene-d5
Concen: 71.592 ng
RT: 7.40 min Scan# 903
Delta R.T. 0.00 min
Lab File: BF101295.D
Acq: 11 Dec 2017 17:49

Instrument :
BNA_F
ClientSampled :
SP-1

Tot Ion	82	Resp	202123
Ion Ratio	Lower	Upper	
82	100		
128	46.0	36.1	54.1
54	53.1	41.4	62.2

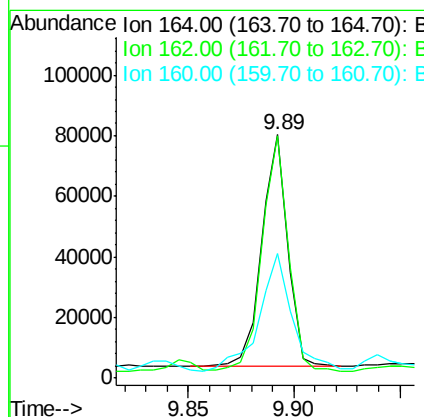
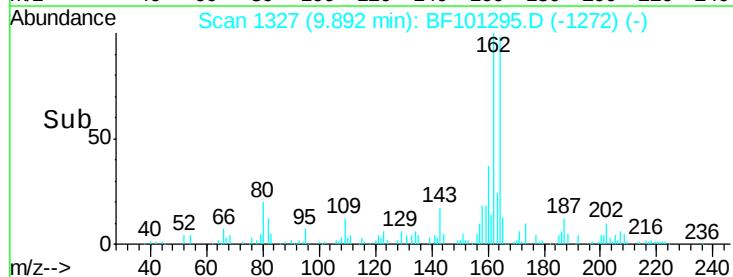
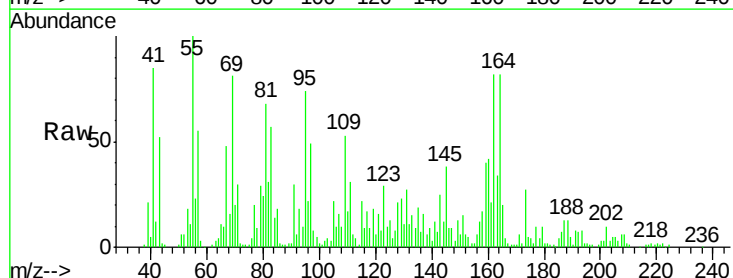
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. 0.02 min
Lab File: BF101295.D
Acq: 11 Dec 2017 17:49

Tgt Ion	164	Resp	65681
Ion Ratio	Lower	Upper	
164	100		
162	99.7	86.1	129.1
160	51.0	38.3	57.5





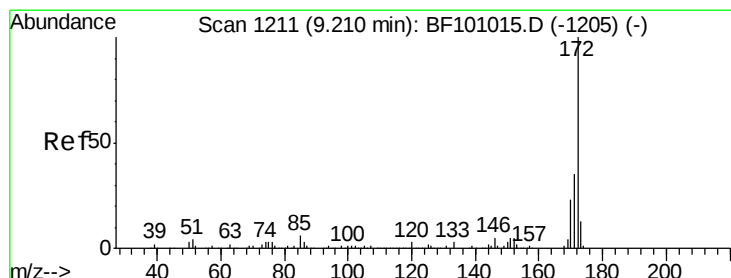
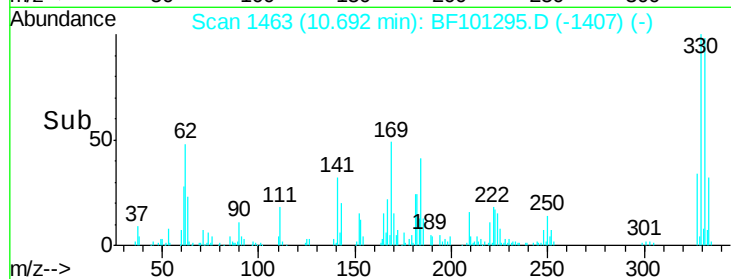
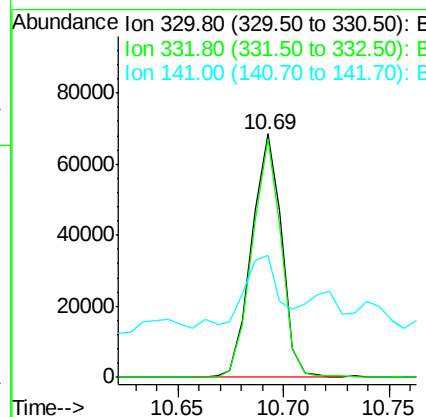
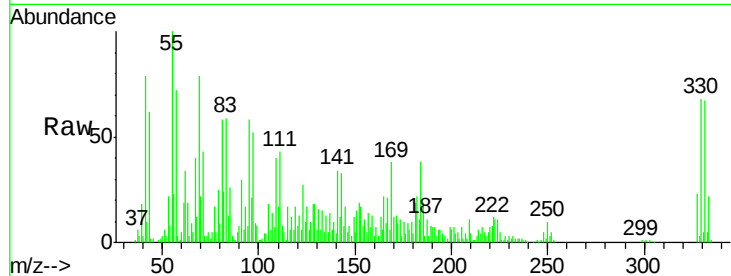
#41
 2,4,6-Tribromophenol
 Concen: 85.243 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. 0.03 min
 Lab File: BF101295.D
 Acq: 11 Dec 2017 17:49

Instrument :
 BNA_F
 ClientSampled :
 SP-1

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.2	77.0	115.6
141	36.0	29.9	44.9

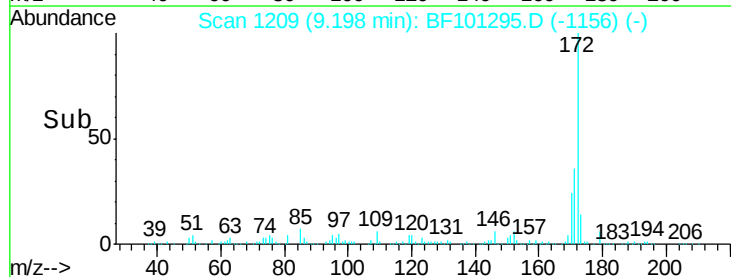
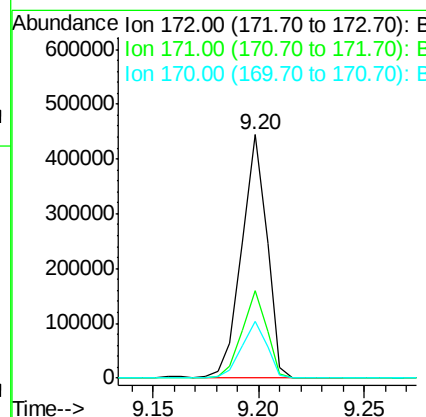
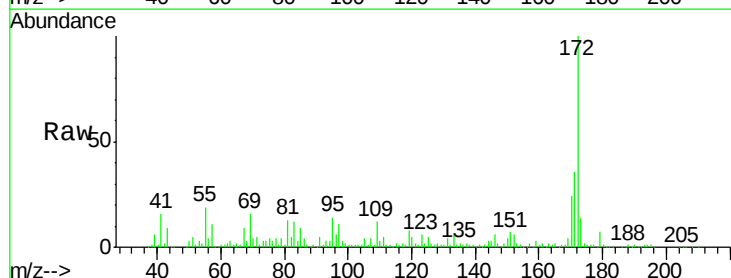
Manual Integrations
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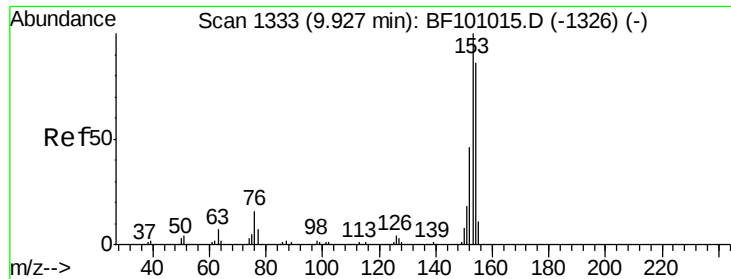
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#44
 2-Fluorobiphenyl
 Concen: 76.040 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. 0.01 min
 Lab File: BF101295.D
 Acq: 11 Dec 2017 17:49

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	23.5	19.6	29.4





#51

Acenaphthene

Concen: 3.693 ng

RT: 9.92 min Scan# 1332

Delta R.T. 0.02 min

Lab File: BF101295.D

Acq: 11 Dec 2017 17:49

Instrument :

BNA_F

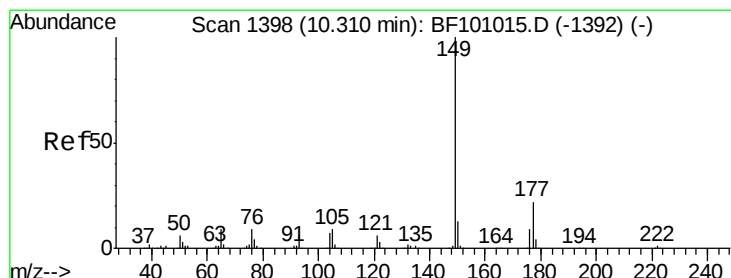
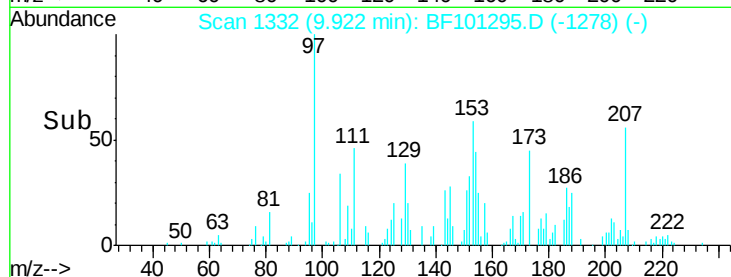
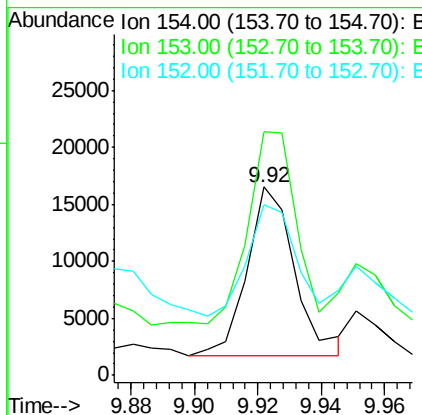
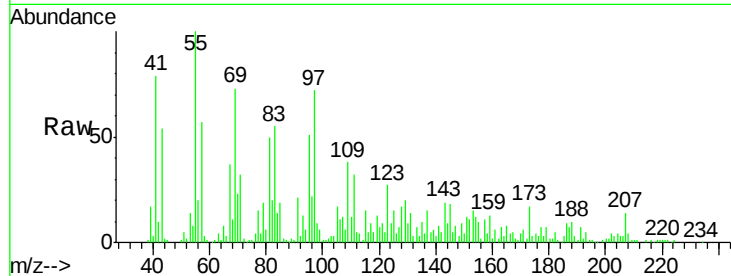
ClientSampled :

SP-1

Tot Ion:	154	Resp:	15531
Ion Ratio	Lower	Upper	
154	100		
153	129.2	91.2	136.8
152	90.7	43.8	65.8#

Manual Integrations
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#59

Diethylphthalate

Concen: 8.915 ng

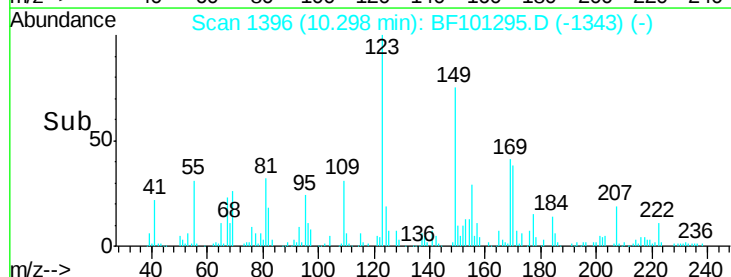
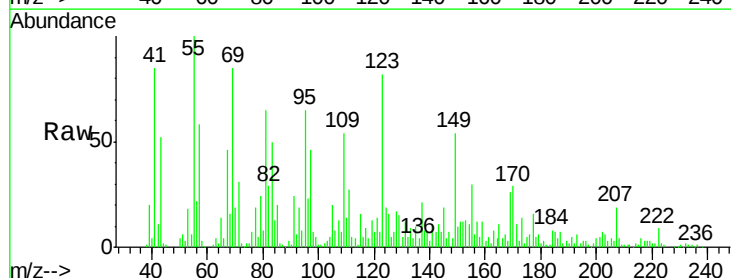
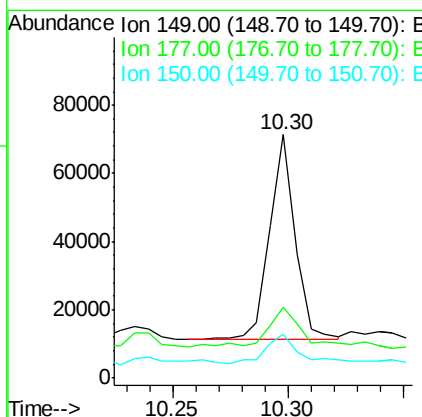
RT: 10.30 min Scan# 1396

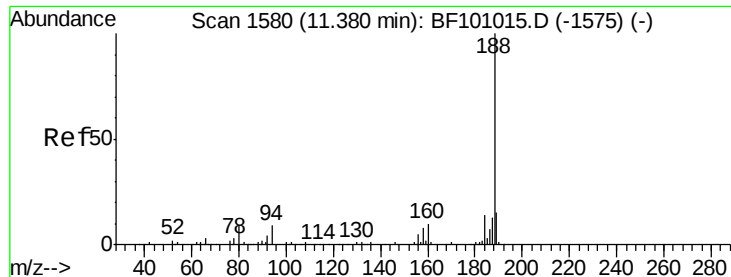
Delta R.T. 0.01 min

Lab File: BF101295.D

Acq: 11 Dec 2017 17:49

Tgt Ion:	149	Resp:	46576
Ion Ratio	Lower	Upper	
149	100		
177	29.2	16.1	24.1#
150	17.8	10.1	15.1#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.39 min Scan# 1582

Delta R.T. 0.04 min

Lab File: BF101295.D

Acq: 11 Dec 2017 17:49

Instrument :

BNA_F

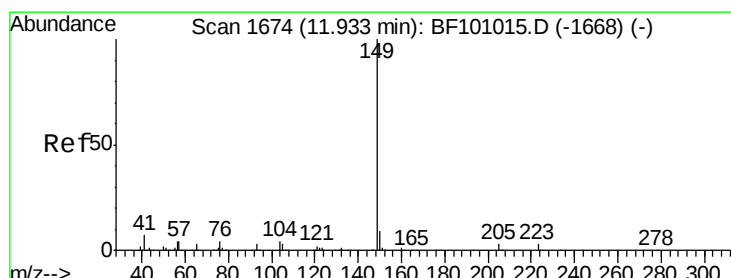
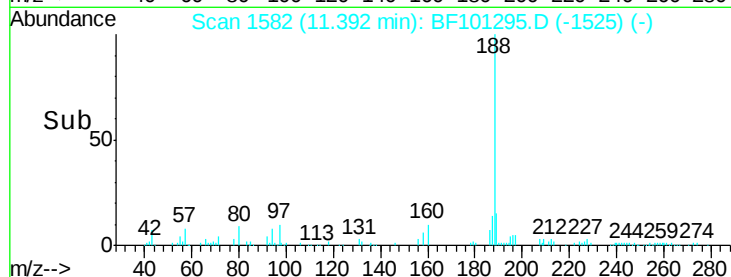
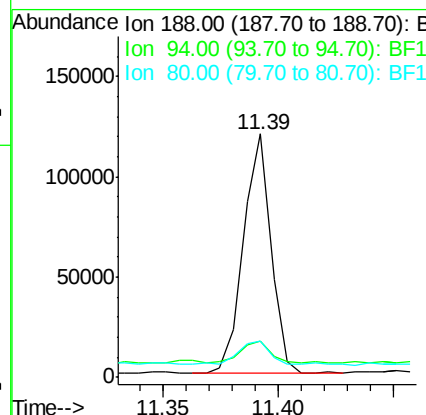
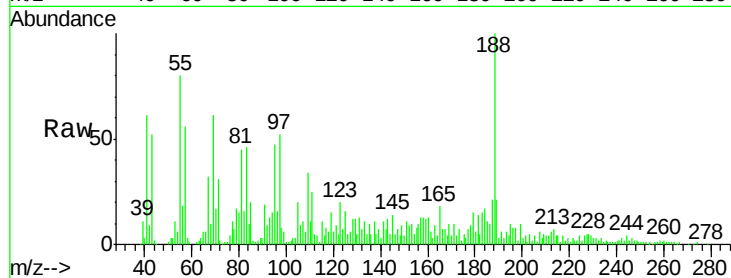
ClientSampleId :

SP-1

Tot Ion:	188	Resp:	99747
Ion Ratio	Lower	Upper	
188	100		
94	14.7	8.5	12.7#
80	14.8	9.2	13.8#

Manual Integrations
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#73

Di-n-butylphthalate

Concen: 16.209 ng

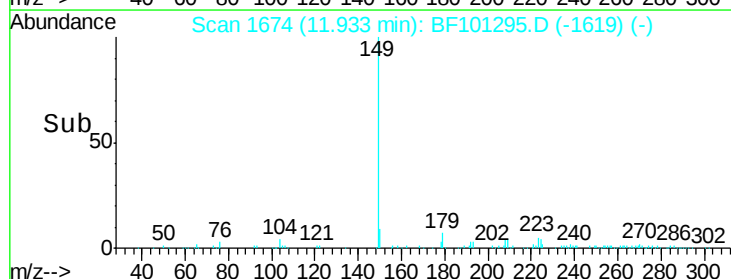
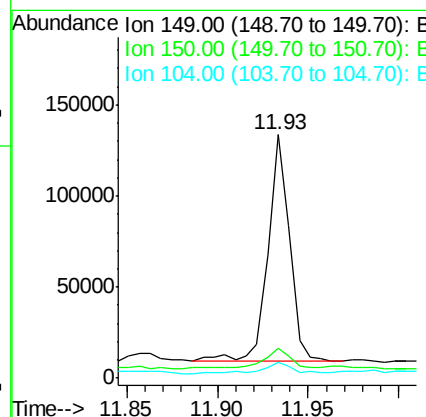
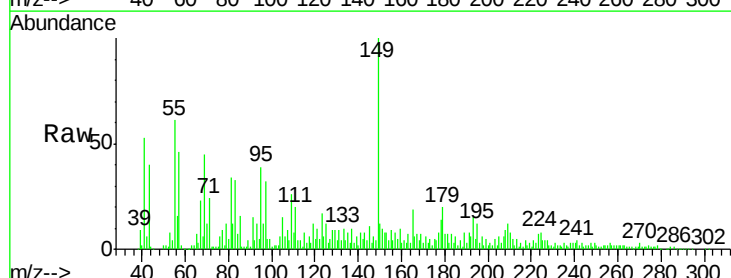
RT: 11.93 min Scan# 1674

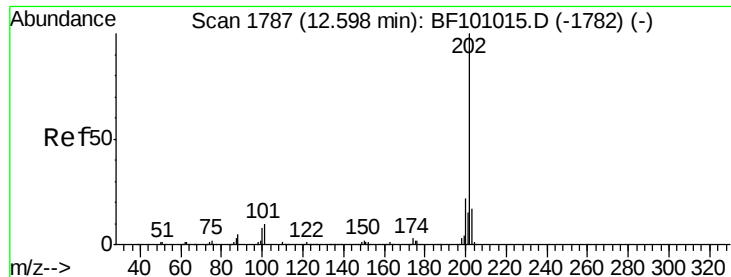
Delta R.T. 0.02 min

Lab File: BF101295.D

Acq: 11 Dec 2017 17:49

Tgt Ion:	149	Resp:	103198
Ion Ratio	Lower	Upper	
149	100		
150	12.0	7.8	11.6#
104	6.4	3.8	5.8#





#74

Fluoranthene

Concen: 10.727 ng

RT: 12.61 min Scan# 1789

Delta R.T. 0.04 min

Lab File: BF101295.D

Acq: 11 Dec 2017 17:49

Instrument :

BNA_F

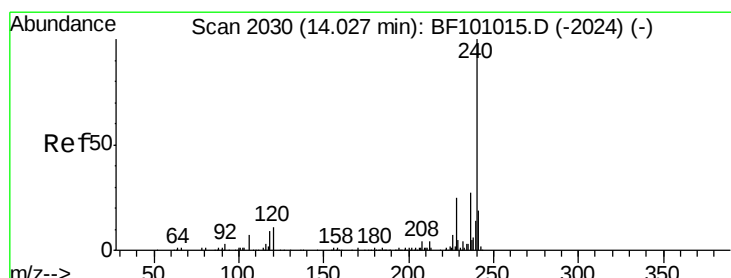
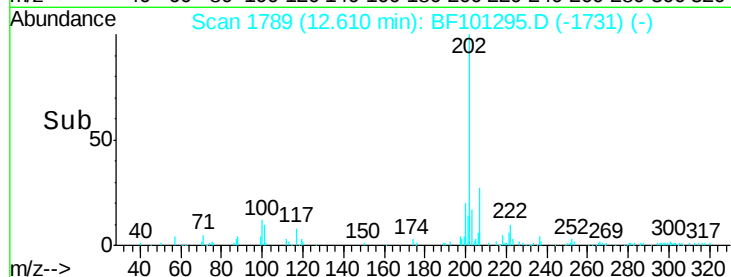
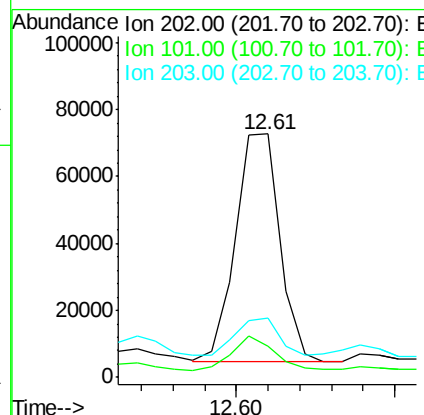
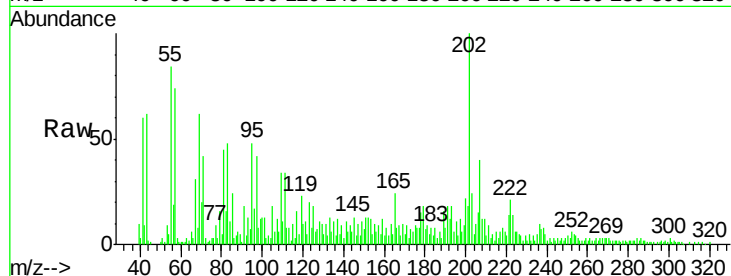
ClientSampled :

SP-1

Tot Ion:	202	Resp:	65316
Ion Ratio	Lower	Upper	
202	100		
101	12.8	0.0	34.1
203	24.5	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

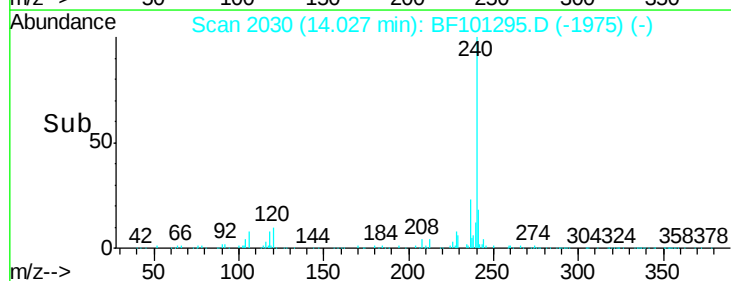
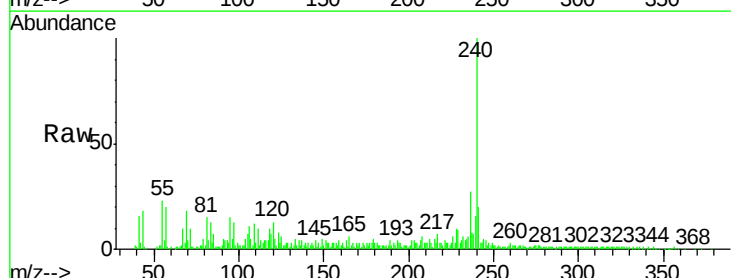
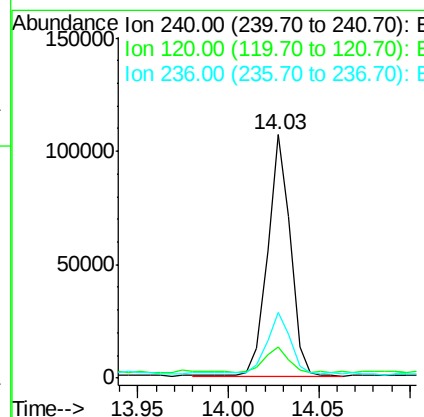
RT: 14.03 min Scan# 2030

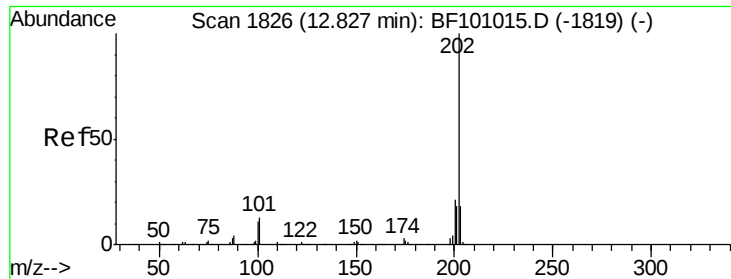
Delta R.T. 0.02 min

Lab File: BF101295.D

Acq: 11 Dec 2017 17:49

Tgt Ion:	240	Resp:	92316
Ion Ratio	Lower	Upper	
240	100		
120	12.5	9.5	14.3
236	26.9	20.7	31.1





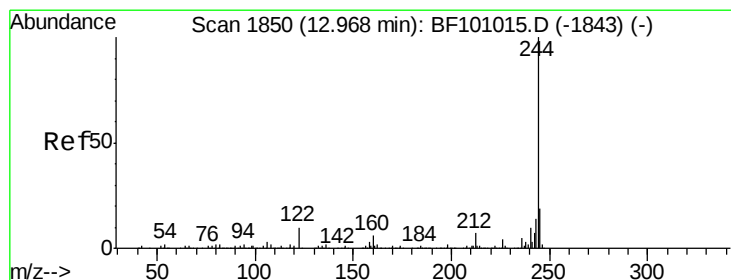
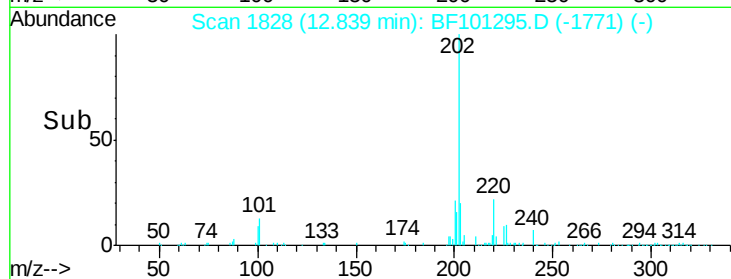
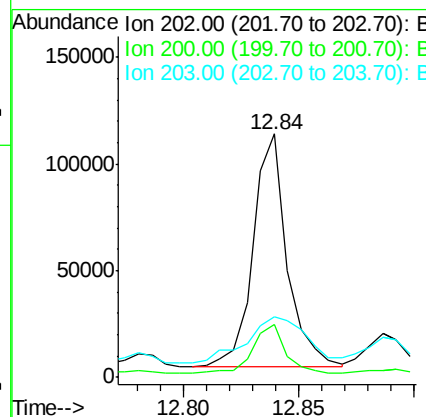
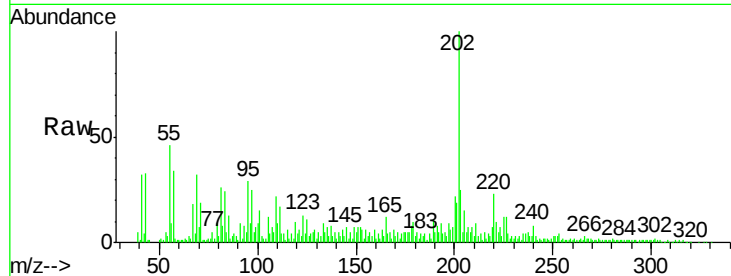
#77
Pvrene
Concen: 17.486 ng
RT: 12.84 min Scan# 1828
Delta R.T. 0.04 min
Lab File: BF101295.D
Acq: 11 Dec 2017 17:49

Instrument :
BNA_F
ClientSampleId :
SP-1

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.8	17.4	26.2
203	24.8	14.3	21.5

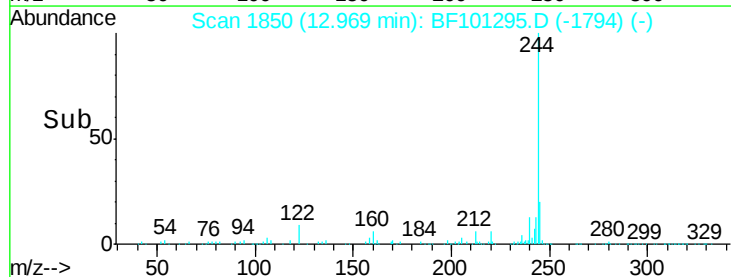
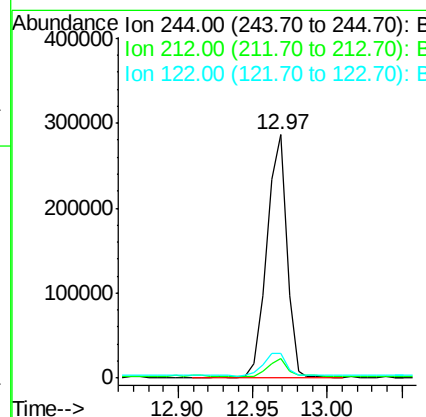
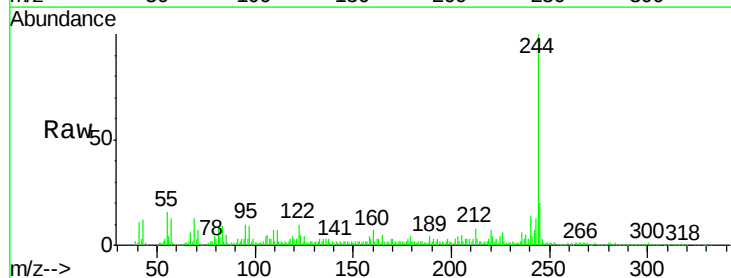
Manual Integrations
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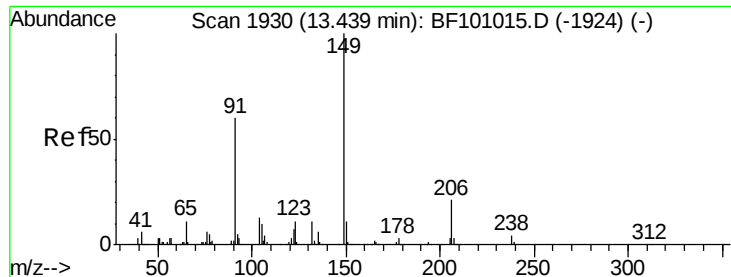
Sohil
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#78
Terphenyl-d14
Concen: 61.618 ng
RT: 12.97 min Scan# 1850
Delta R.T. 0.03 min
Lab File: BF101295.D
Acq: 11 Dec 2017 17:49

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.8	5.4	8.0
122	10.1	11.0	16.4





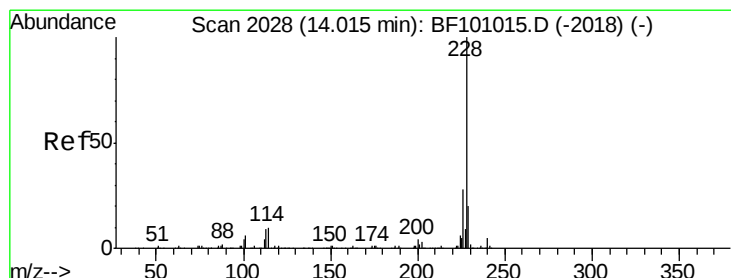
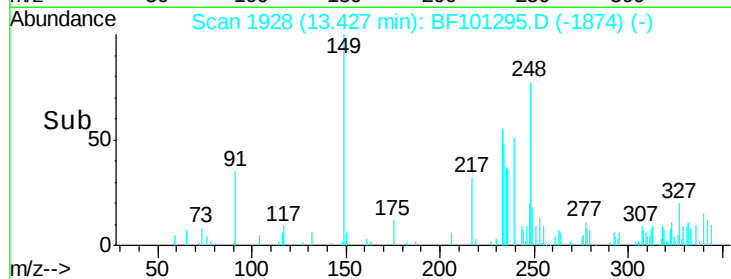
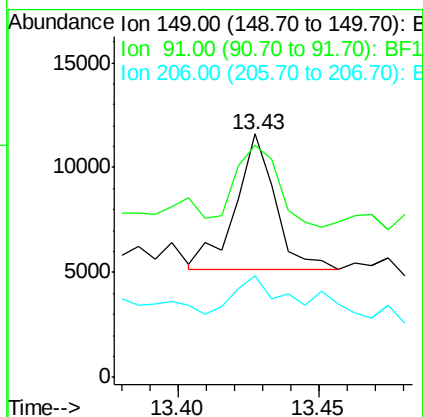
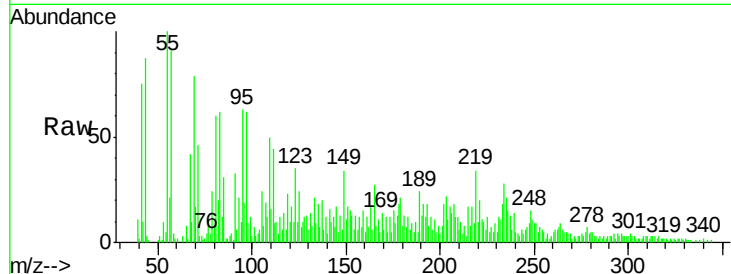
#79
Butylbenzylphthalate
Concen: 2.260 ng
RT: 13.43 min Scan# 1928
Delta R.T. 0.02 min
Lab File: BF101295.D
Acq: 11 Dec 2017 17:49

Instrument :
BNA_F
ClientSampled :
SP-1

Tot Ion	Ratio	Lower	Upper
149	100		
91	95.2	56.8	85.2#
206	41.6	14.1	21.1#

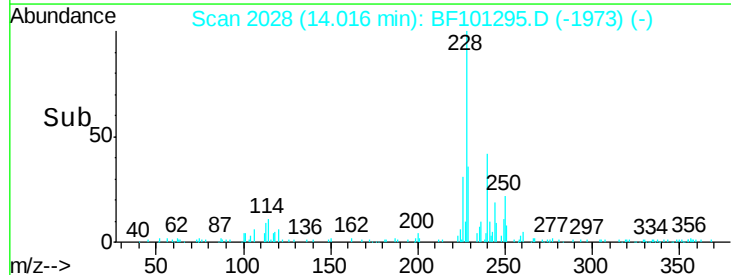
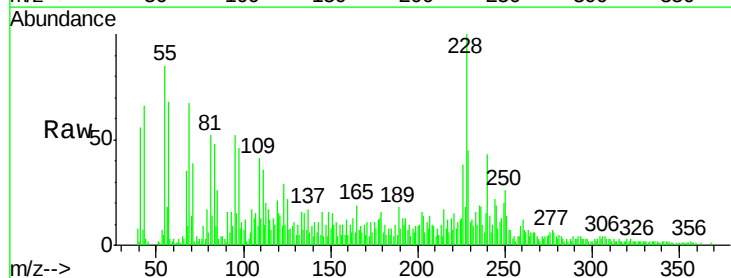
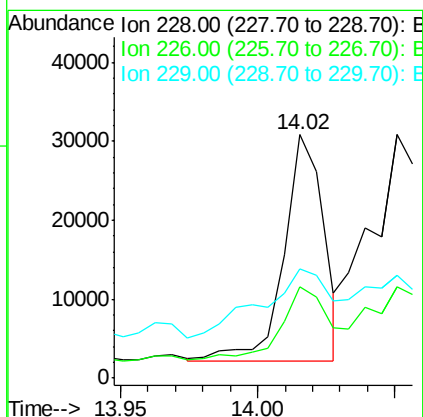
Manual Integrations
APPROVED

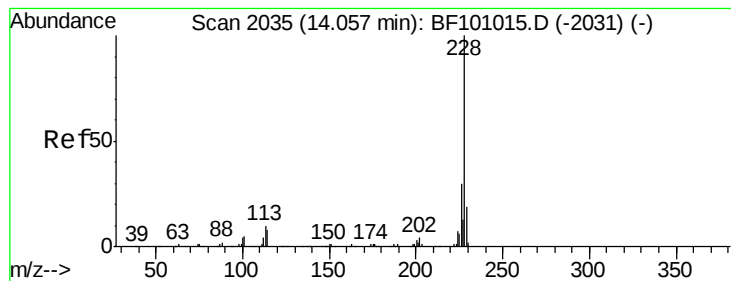
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#80
Benzo(a)anthracene
Concen: 4.976 ng m
RT: 14.02 min Scan# 2028
Delta R.T. 0.02 min
Lab File: BF101295.D
Acq: 11 Dec 2017 17:49

Tgt Ion	Ratio	Lower	Upper
228	100		
226	37.6	22.6	33.8#
229	45.1	15.8	23.6#





#82

Chrvsene

Concen: 7.062 ng m

RT: 14.05 min Scan# 2034

Delta R.T. 0.02 min

Lab File: BF101295.D

Acq: 11 Dec 2017 17:49

Instrument :

BNA_F

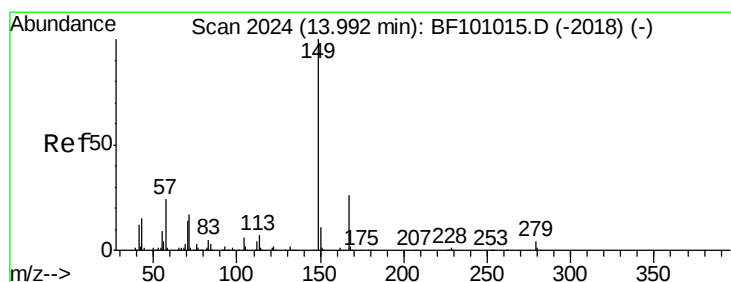
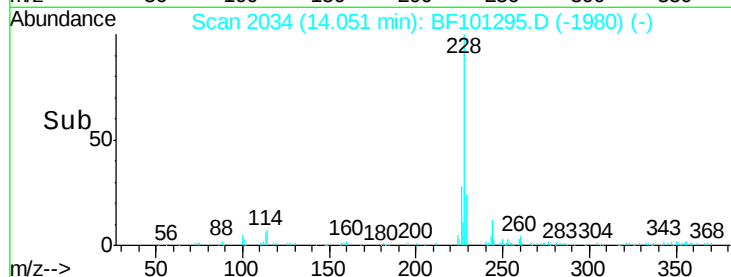
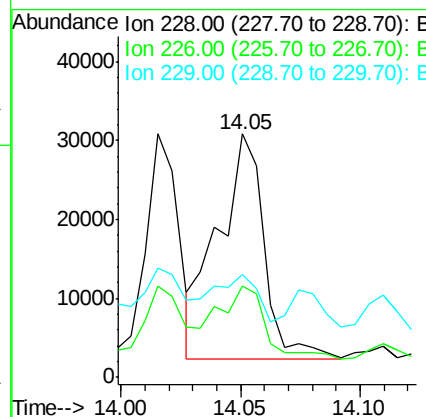
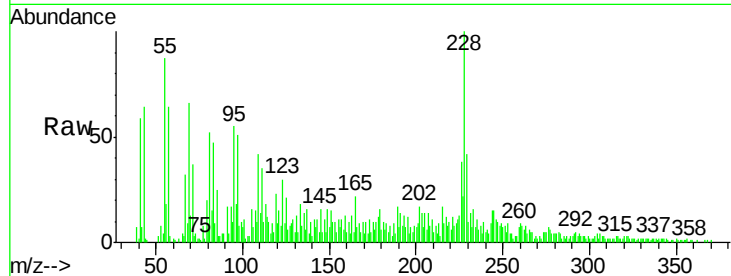
ClientSampleId :

SP-1

Tot Ion:	228	Resp:	38227
Ion Ratio	Lower	Upper	
228	100		
226	37.6	25.0	37.6#
229	42.3	16.2	24.4#

Manual Integrations
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#83

Bis(2-ethylhexyl)phthalate

Concen: 16.410 ng

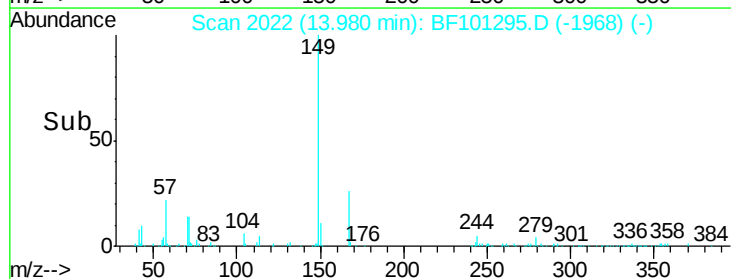
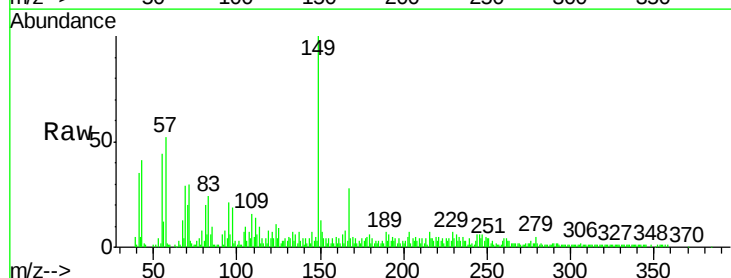
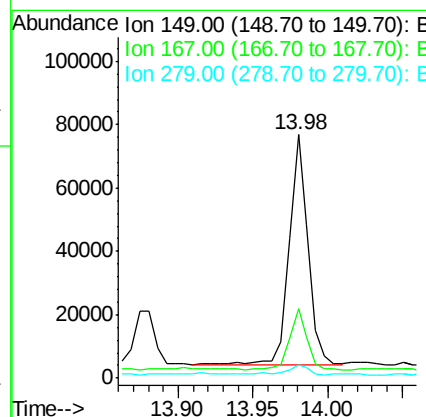
RT: 13.98 min Scan# 2022

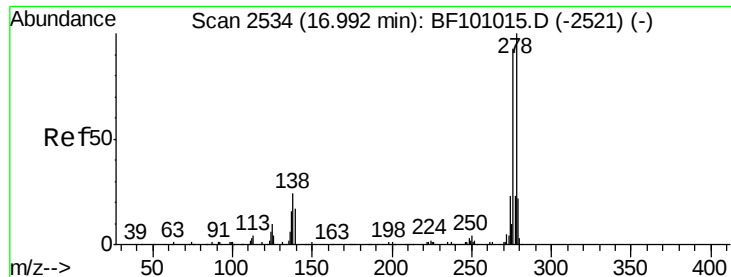
Delta R.T. 0.02 min

Lab File: BF101295.D

Acq: 11 Dec 2017 17:49

Tgt Ion:	149	Resp:	65715
Ion Ratio	Lower	Upper	
149	100		
167	28.4	21.3	31.9
279	5.3	3.0	4.4#





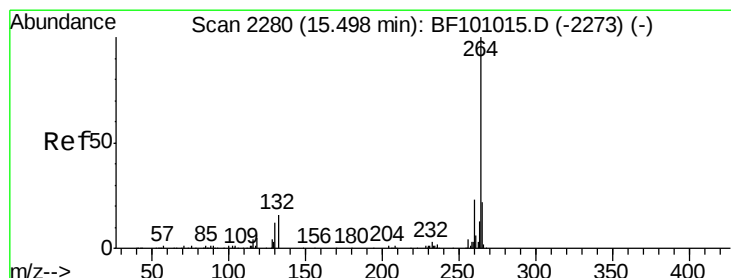
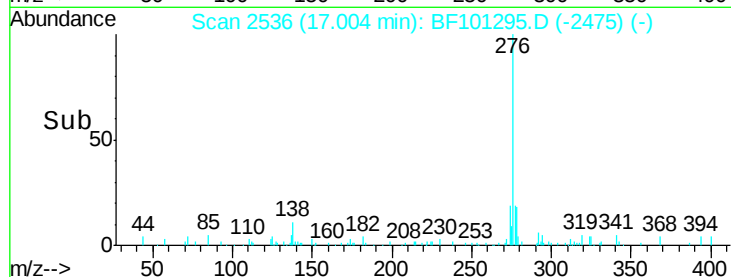
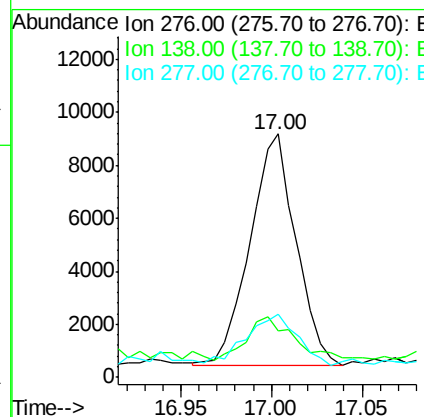
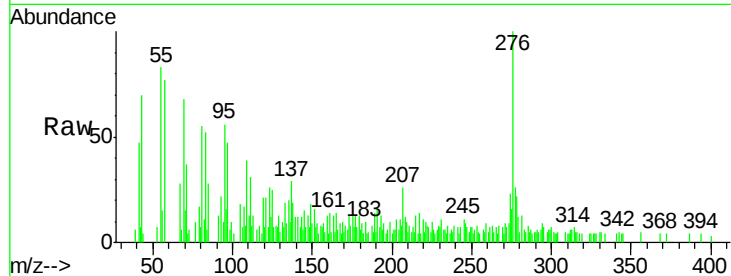
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.196 ng
RT: 17.00 min Scan# 2536
Delta R.T. 0.06 min
Lab File: BF101295.D
Acq: 11 Dec 2017 17:49

Instrument :
BNA_F
ClientSampled :
SP-1

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.2	25.0	37.6#
277	24.7	20.1	30.1

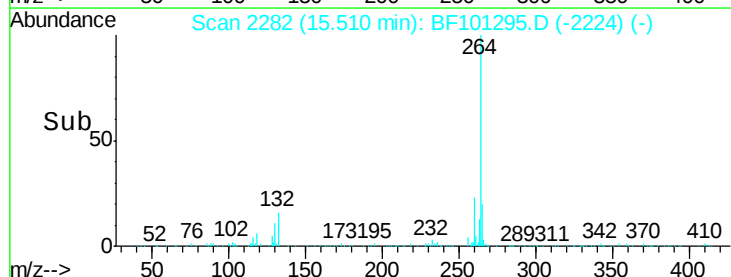
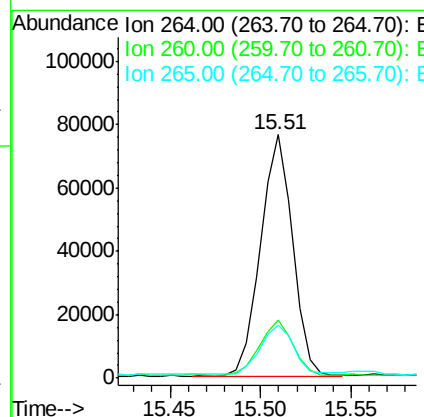
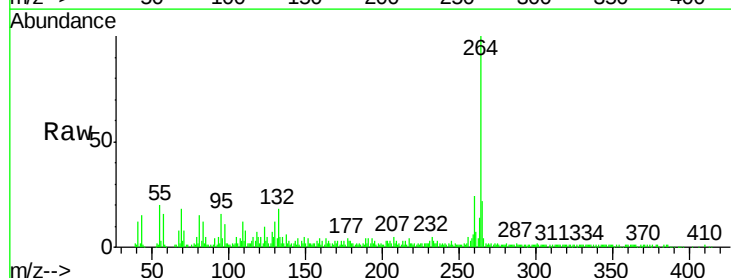
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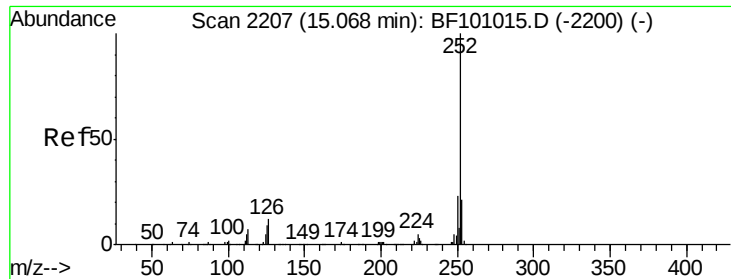
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.51 min Scan# 2282
Delta R.T. 0.04 min
Lab File: BF101295.D
Acq: 11 Dec 2017 17:49

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	21.9	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 6.283 ng m

RT: 15.07 min Scan# 2208

Delta R.T. 0.04 min

Lab File: BF101295.D

Acq: 11 Dec 2017 17:49

Instrument :

BNA_F

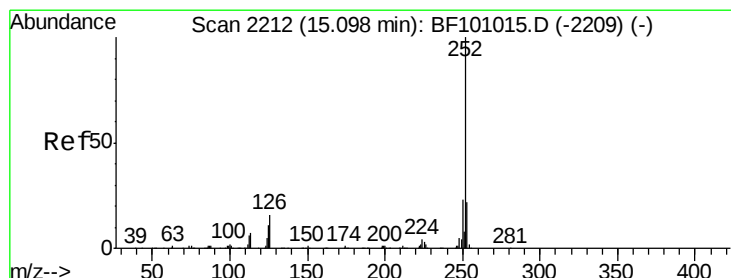
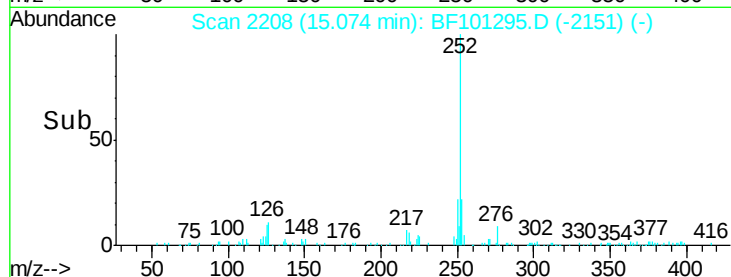
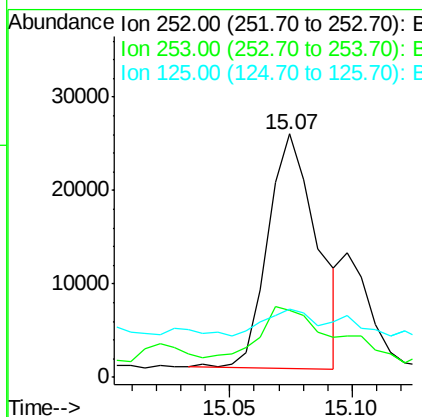
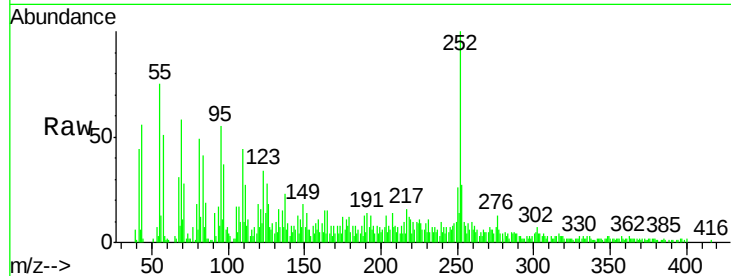
ClientSampled :

SP-1

Tot Ion:	252	Resp:	35316
Ion Ratio	Lower	Upper	
252	100		
253	27.4	17.0	25.6#
125	27.9	9.0	13.6#

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 2.017 ng m

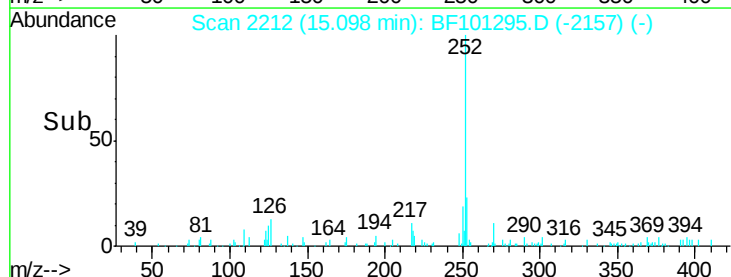
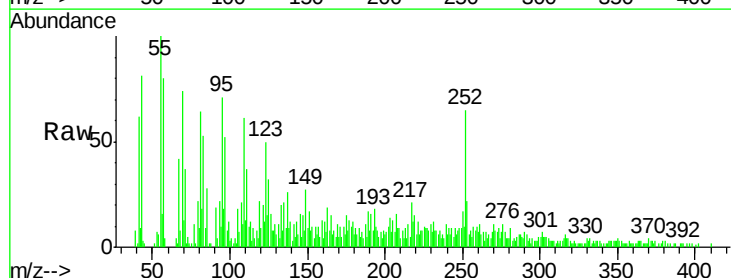
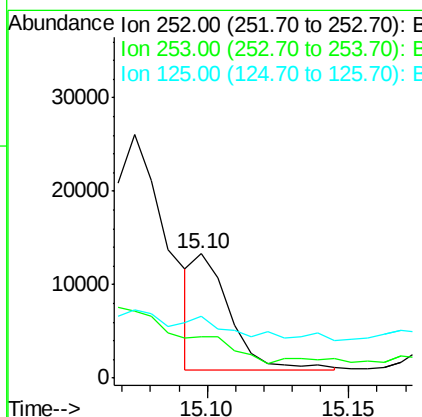
RT: 15.10 min Scan# 2212

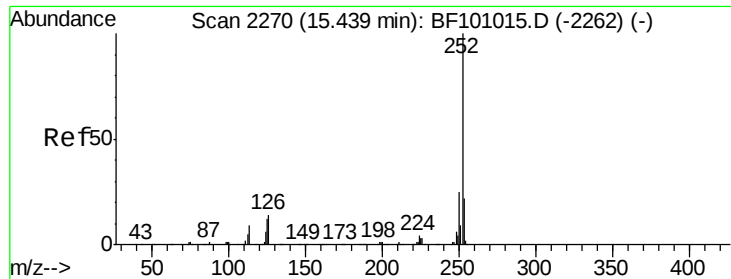
Delta R.T. 0.02 min

Lab File: BF101295.D

Acq: 11 Dec 2017 17:49

Tgt Ion:	252	Resp:	11169
Ion Ratio	Lower	Upper	
252	100		
253	33.7	17.9	26.9#
125	49.2	10.2	15.2#





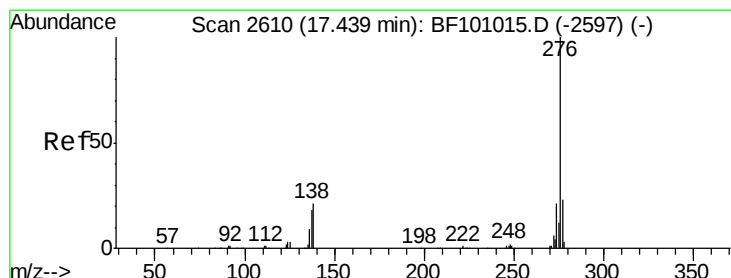
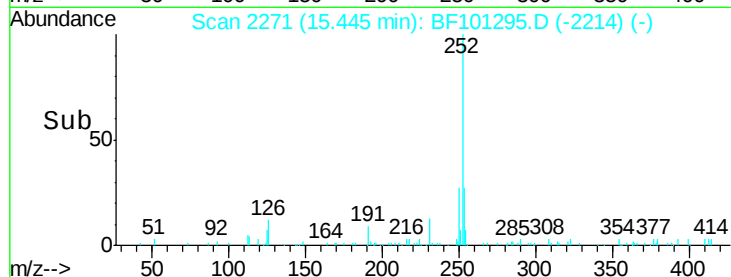
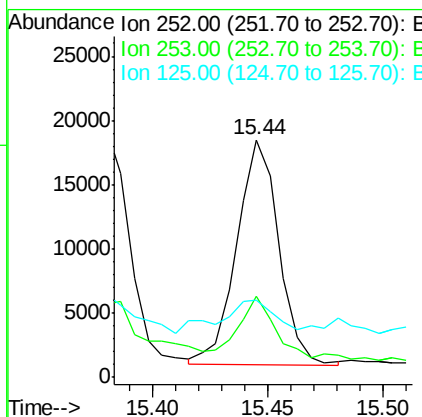
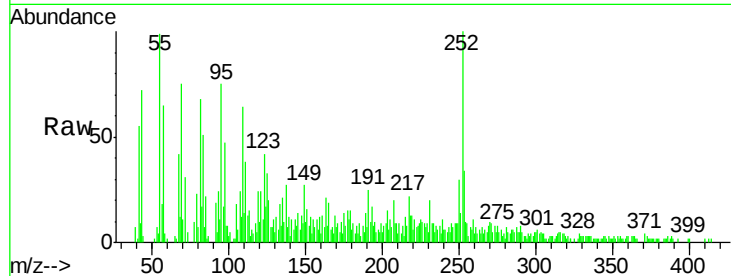
#89
Benzo(a)pyrene
Concen: 4.377 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.04 min
Lab File: BF101295.D
Acq: 11 Dec 2017 17:49

Instrument :
BNA_F
ClientSampleId :
SP-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	34.0	17.1	25.7#
125	32.6	9.8	14.6#

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 4.060 ng
RT: 17.46 min Scan# 2613
Delta R.T. 0.06 min
Lab File: BF101295.D
Acq: 11 Dec 2017 17:49

Tgt Ion	Ratio	Lower	Upper
276	100		
277	31.9	17.9	26.9#
138	26.6	21.8	32.8

