

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102717\
 Data File : BF099877.D
 Acq On : 27 Oct 2017 15:12
 Operator : SJ/JU
 Sample : I6109-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S13-SP1-C

Manual Integrations
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 10/30/2017 6:16:24 PM

Quant Time: Oct 27 16:50:53 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 27 15:58:57 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	94216	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	385947	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	175236	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	294993	20.00	ng	0.00
75) Chrysene-d12	13.99	240	175837	20.00	ng	0.00
86) Perylene-d12	15.47	264	184915	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	518624	86.42	ng	0.00
7) Phenol-d6	6.44	99	629206	88.43	ng	0.00
23) Nitrobenzene-d5	7.36	82	354744	59.18	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	137006	85.79	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	744810	65.58	ng	0.00
78) Terphenyl-d14	12.92	244	515420	64.06	ng	0.00
Target Compounds						
10) Phenol	6.45	94	18510	2.369	ng	86
49) Dimethylphthalate	9.55	163	37358	2.692	ng	99
70) Phenanthrene	11.36	178	114338	6.868	ng	97
74) Fluoranthene	12.56	202	134979	7.802	ng	98
77) Pyrene	12.79	202	119197	8.915	ng	98
80) Benzo(a)anthracene	13.98	228	68068	6.106	ng	97
82) Chrysene	14.02	228	64487	6.154	ng	98
83) Bis(2-ethylhexyl)phthalate	13.94	149	24770	2.679	ng	# 88
85) Indeno(1,2,3-cd)pyrene	16.96	276	45922	4.773	ng	100
87) Benzo(b)fluoranthene	15.04	252	94972m	8.134	ng	
88) Benzo(k)fluoranthene	15.06	252	29095m	2.642	ng	
89) Benzo(a)pyrene	15.41	252	57370	5.470	ng	# 84
91) Benzo(a,h,i)perylene	17.42	276	45973	5.042	ng	# 86

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

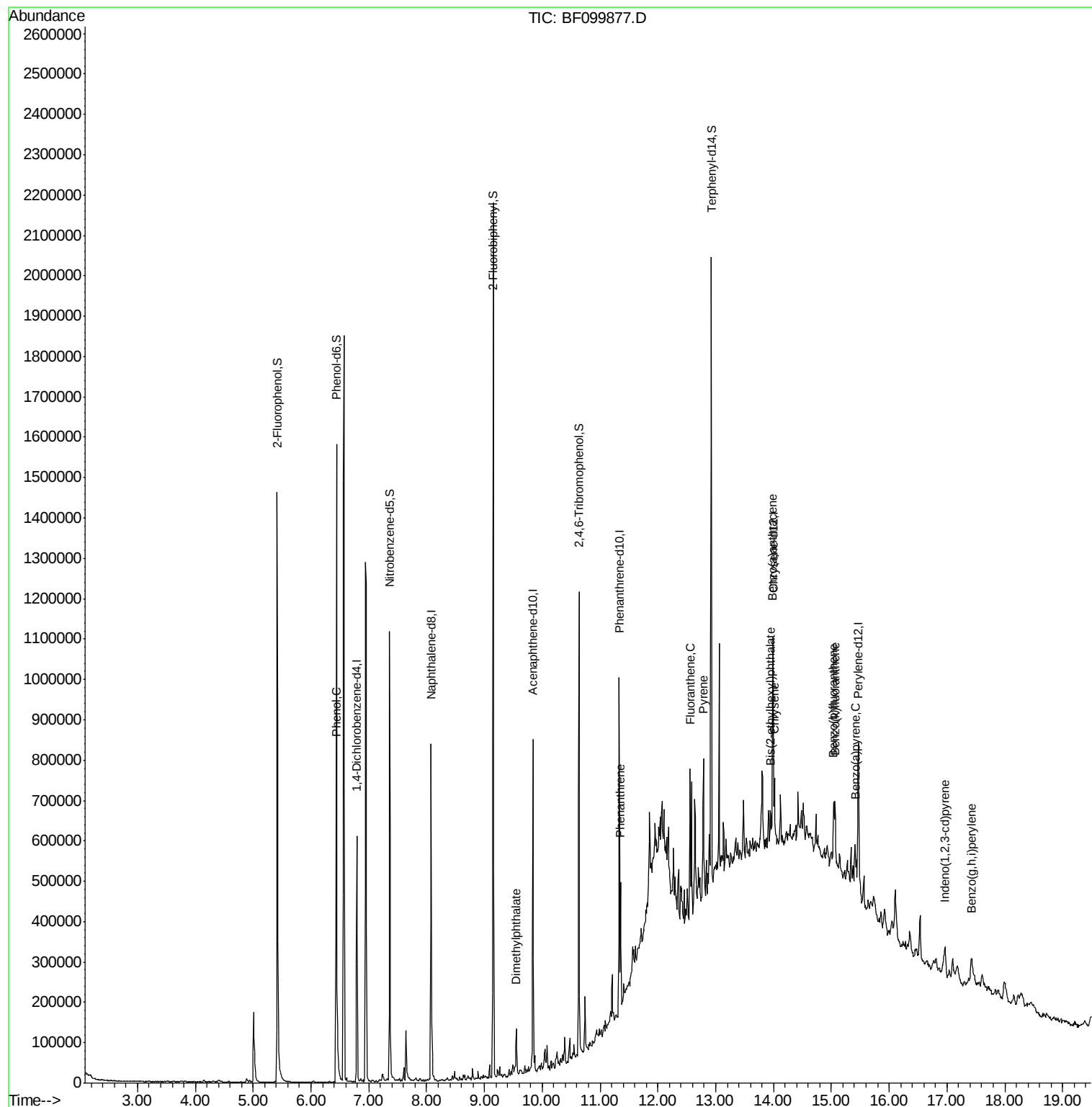
Data Path : Z:\HPCHEM1\BNA F\DATA\BF102717\
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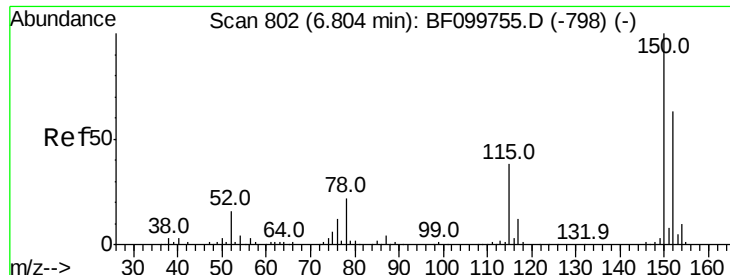
Instrument :
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#1

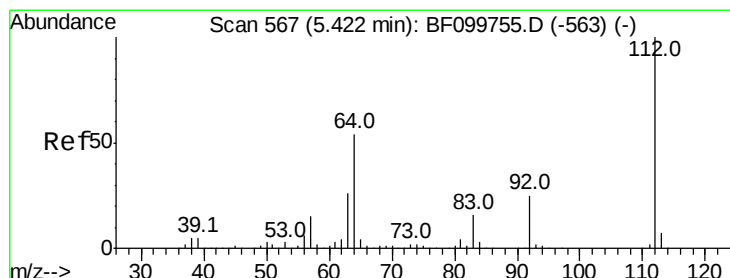
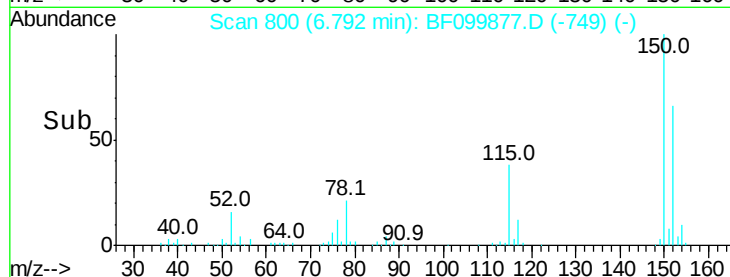
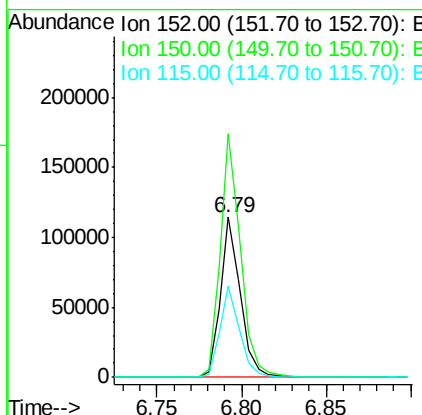
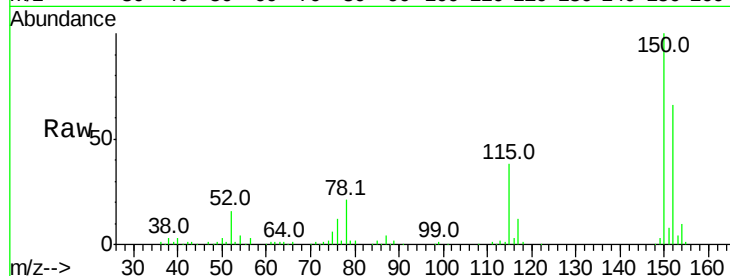
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.00 min
Lab File: BF099877.D
Acq: 27 Oct 2017 15:12

Instrument :
BNA_F
ClientSampleId :
S13-SP1-C

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.2	124.6	186.8
115	57.5	50.1	75.1

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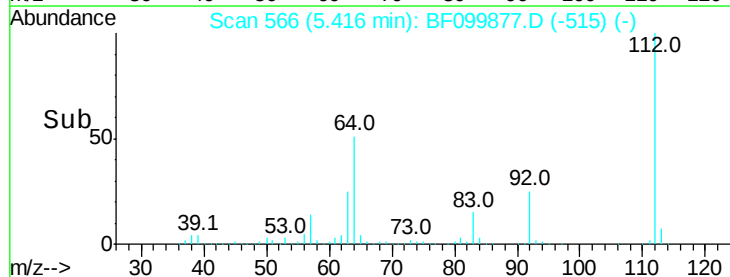
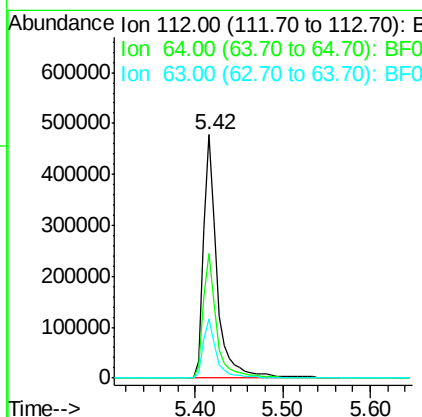
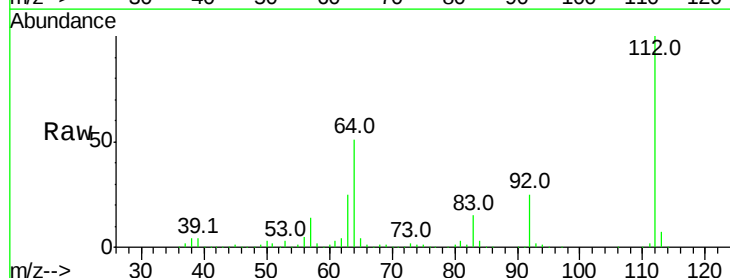
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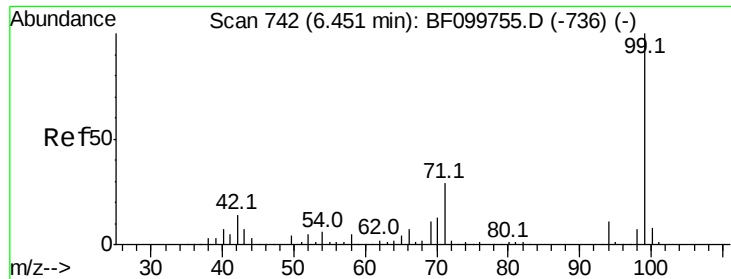


#5

2-Fluorophenol
Concen: 86.421 ng
RT: 5.42 min Scan# 566
Delta R.T. -0.00 min
Lab File: BF099877.D
Acq: 27 Oct 2017 15:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.4	47.9	71.9
63	24.6	23.7	35.5





#7

Phenol-d6

Concen: 88.425 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.00 min

Lab File: BF099877.D

Acq: 27 Oct 2017 15:12

Instrument :

BNA_F

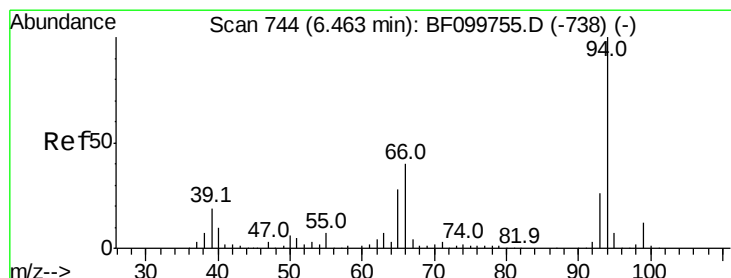
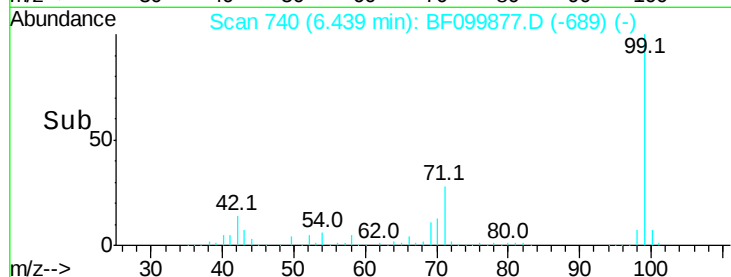
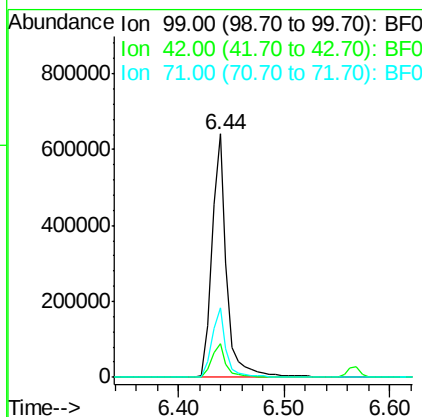
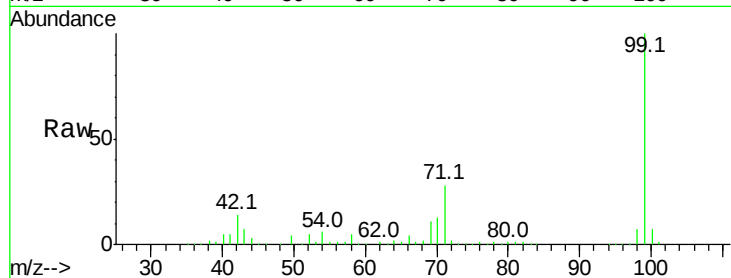
ClientSampleId :

S13-SP1-C

Tot Ion:	99	Resp:	629206
Ion Ratio	Lower	Upper	
99	100		
42	13.6	14.5	21.7#
71	28.4	25.4	38.0

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#10

Phenol

Concen: 2.369 ng

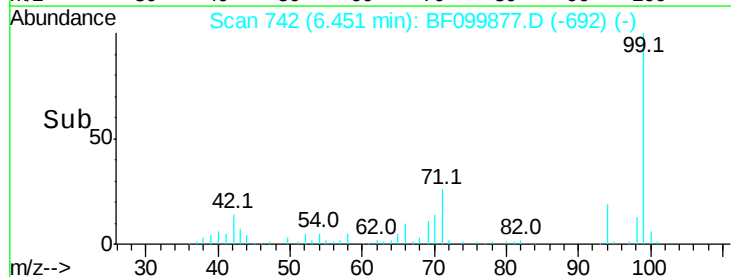
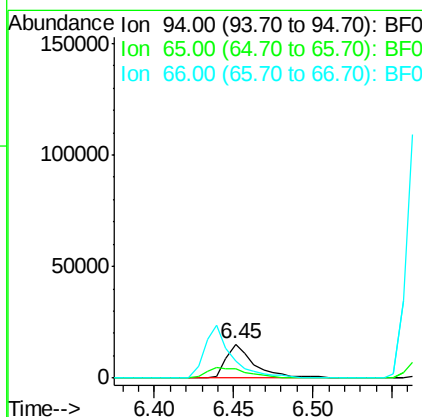
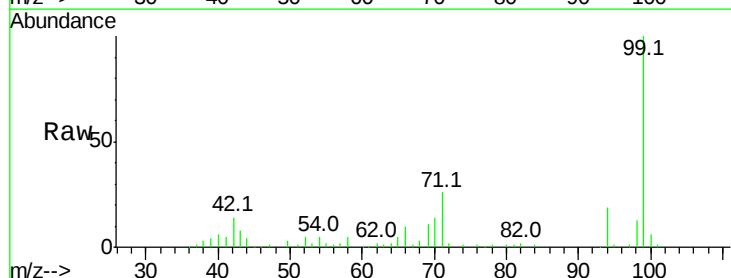
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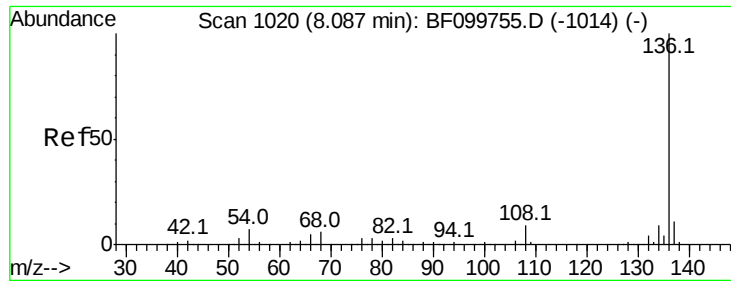
Delta R.T. -0.01 min

Lab File: BF099877.D

Acq: 27 Oct 2017 15:12

Tgt Ion:	94	Resp:	18510
Ion Ratio	Lower	Upper	
94	100		
65	26.4	7.9	47.9
66	49.8	16.2	56.2





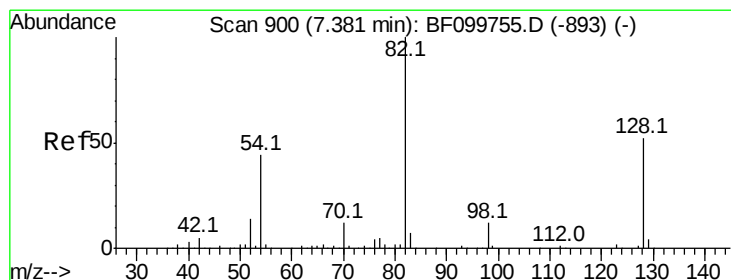
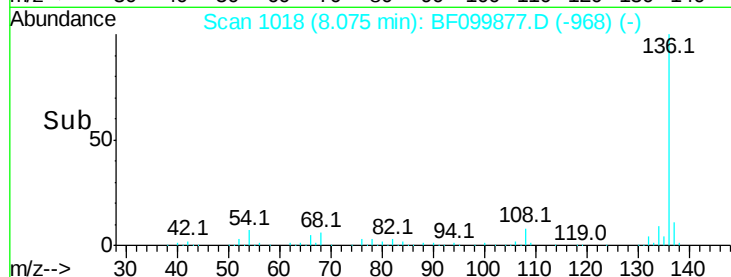
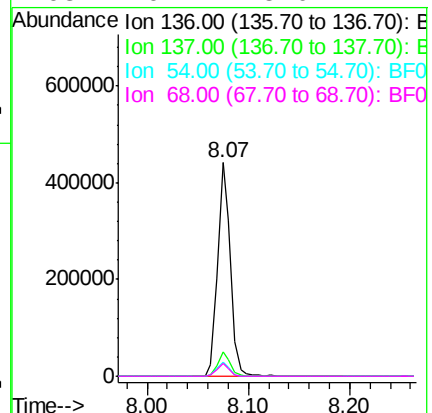
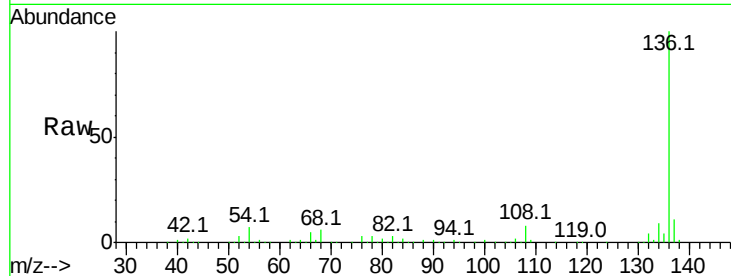
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF099877.D
Acq: 27 Oct 2017 15:12

Instrument :
BNA_F
ClientSampleId :
S13-SP1-C

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.1	8.9	13.3	
54	6.8	6.6	9.8	
68	6.2	5.0	7.4	

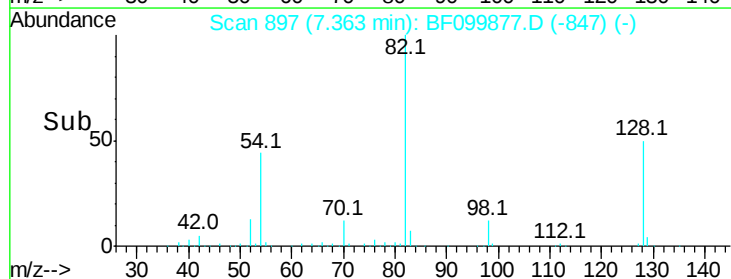
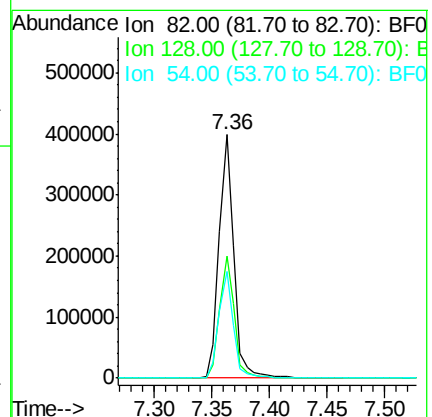
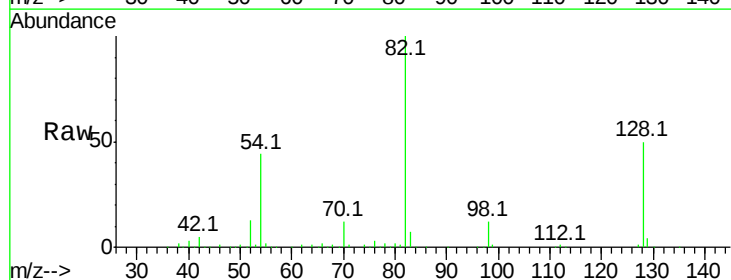
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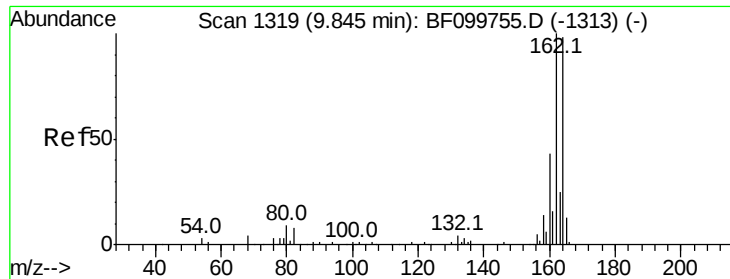
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#23
Nitrobenzene-d5
Concen: 59.175 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF099877.D
Acq: 27 Oct 2017 15:12

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	50.2	36.1	54.1	
54	44.0	41.4	62.2	





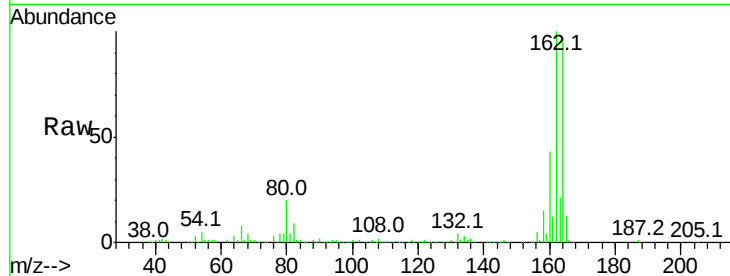
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BF099877.D
Acq: 27 Oct 2017 15:12

Instrument :
BNA_F
ClientSampleId :
S13-SP1-C

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.0	86.1	129.1	
160	44.1	38.3	57.5	

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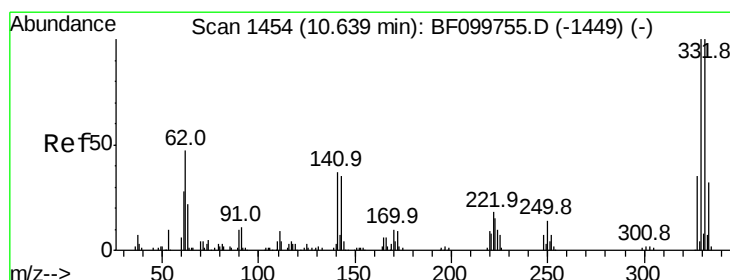
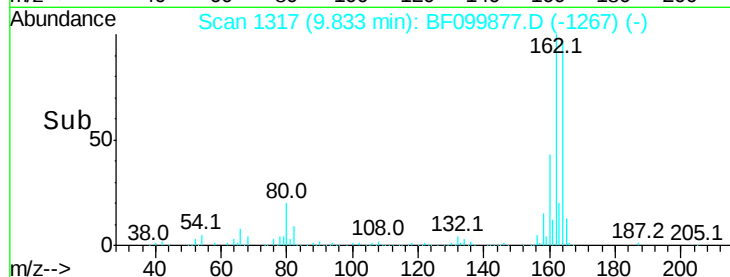
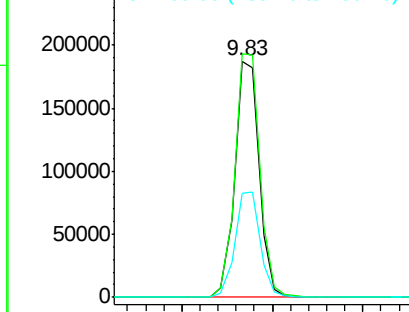


Abundance

Ion 164.00 (163.70 to 164.70): E

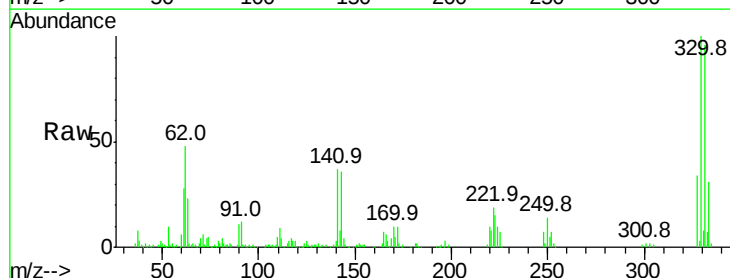
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41
2,4,6-Tribromophenol
Concen: 85.792 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.01 min
Lab File: BF099877.D
Acq: 27 Oct 2017 15:12

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.6	77.0	115.6	
141	35.2	29.9	44.9	

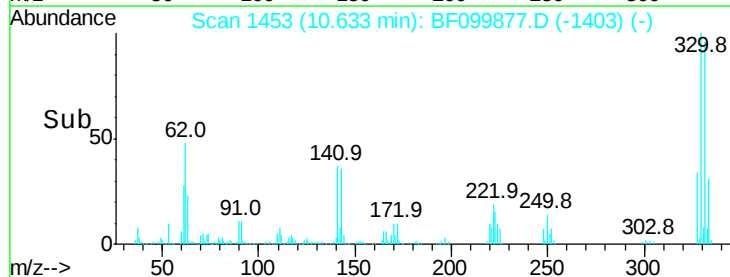
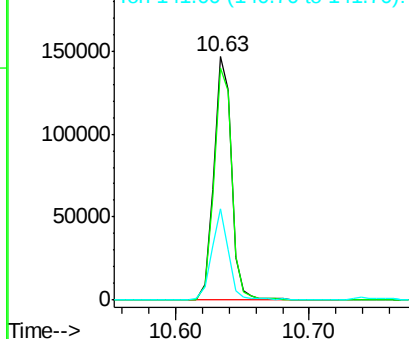


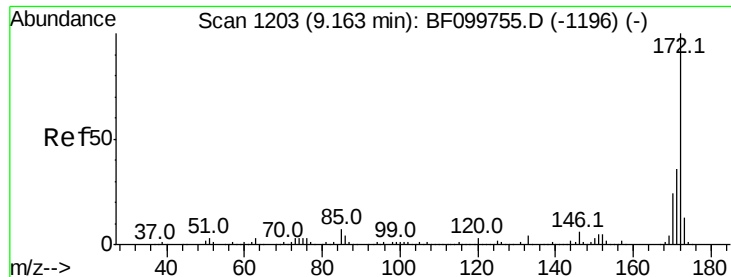
Abundance

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





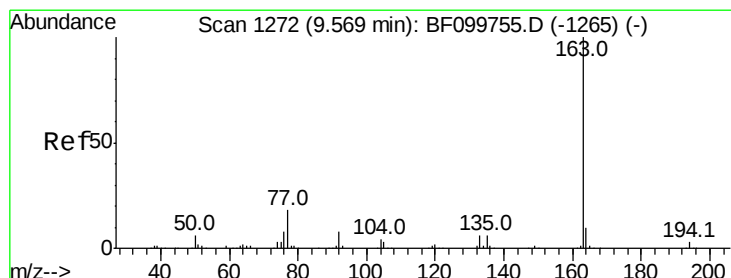
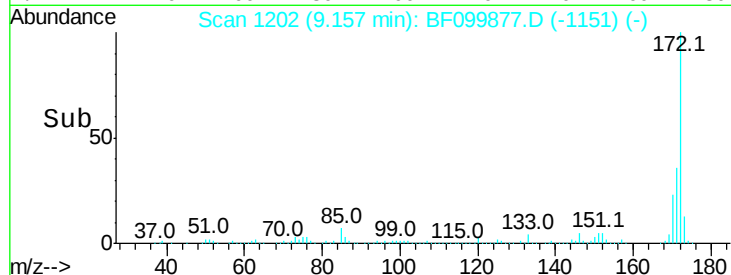
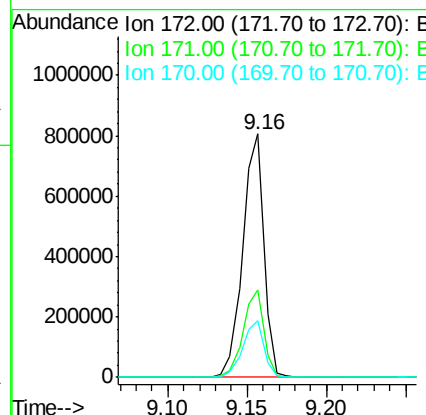
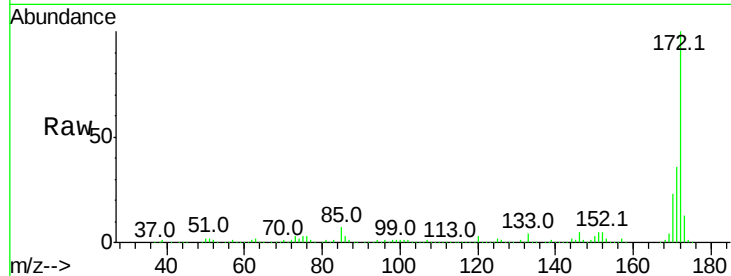
#44
2-Fluorobiphenyl
Concen: 65.576 ng
RT: 9.16 min Scan# 1202
Delta R.T. -0.00 min
Lab File: BF099877.D
Acq: 27 Oct 2017 15:12

Instrument :
BNA_F
ClientSampled :
S13-SP1-C

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.7	44.5
170	23.4	19.6	29.4

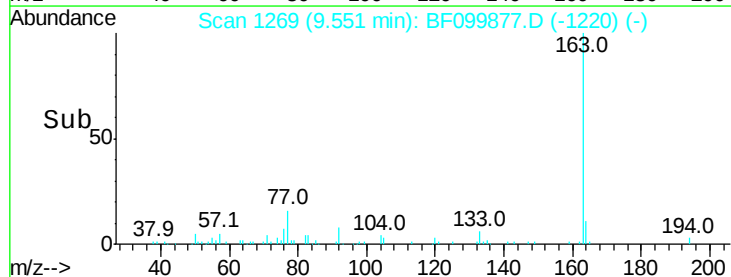
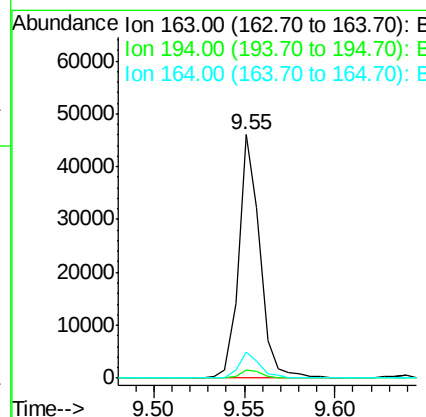
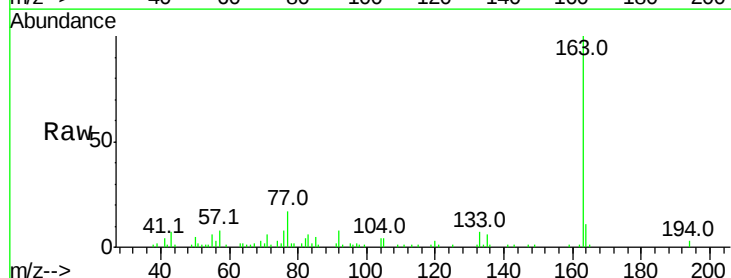
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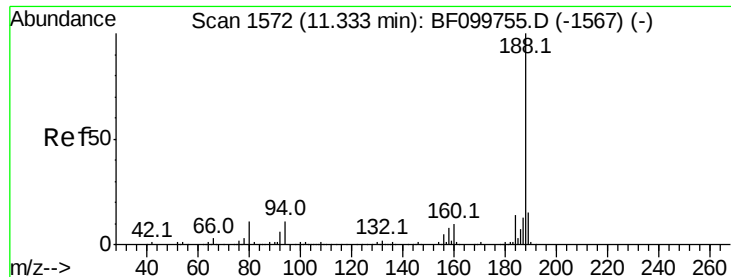
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#49
Dimethylphthalate
Concen: 2.692 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.01 min
Lab File: BF099877.D
Acq: 27 Oct 2017 15:12

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.7	4.1
164	10.7	8.2	12.2





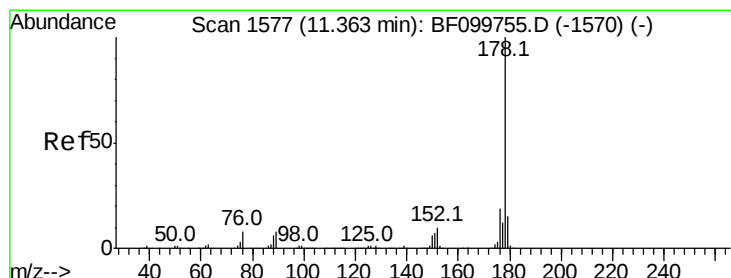
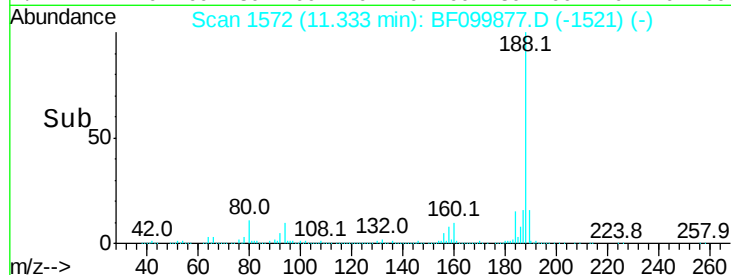
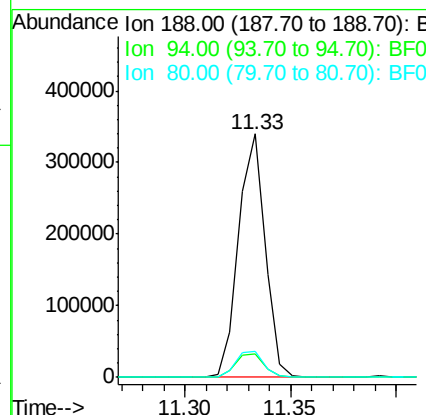
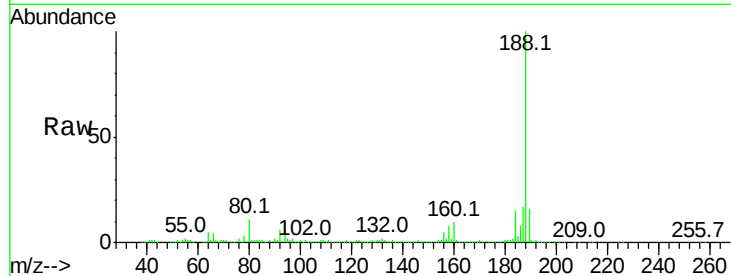
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.00 min
Lab File: BF099877.D
Acq: 27 Oct 2017 15:12

Instrument :
BNA_F
ClientSampleId :
S13-SP1-C

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.7	8.5	12.7
80	10.7	9.2	13.8

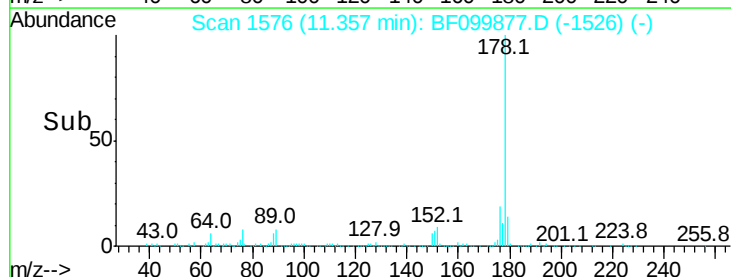
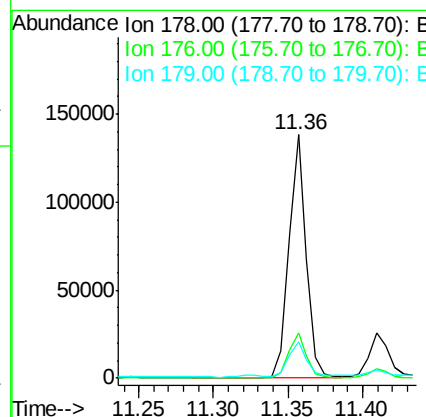
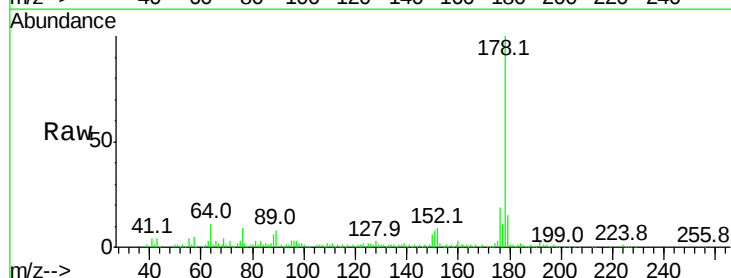
Manual Integrations
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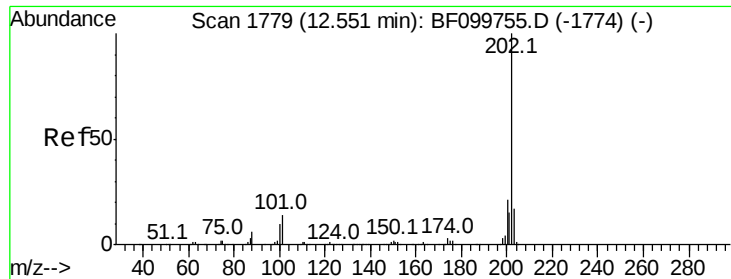
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#70
Phenanthrene
Concen: 6.868 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF099877.D
Acq: 27 Oct 2017 15:12

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.8	15.8	23.8
179	14.7	13.0	19.6





#74

Fluoranthene

Concen: 7.802 ng

RT: 12.56 min Scan# 1780

Delta R.T. 0.01 min

Lab File: BF099877.D

Acq: 27 Oct 2017 15:12

Instrument :

BNA_F

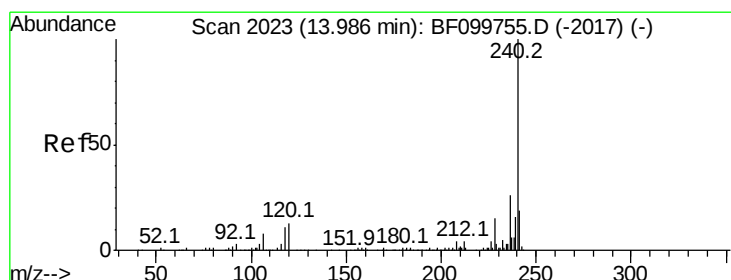
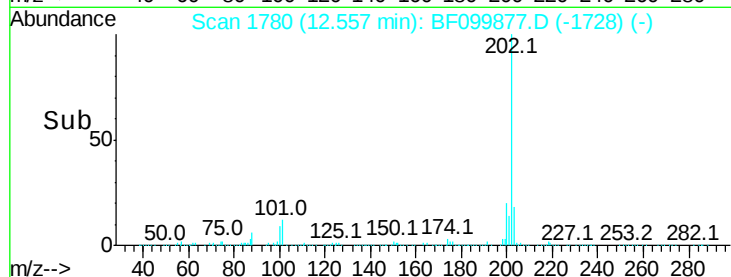
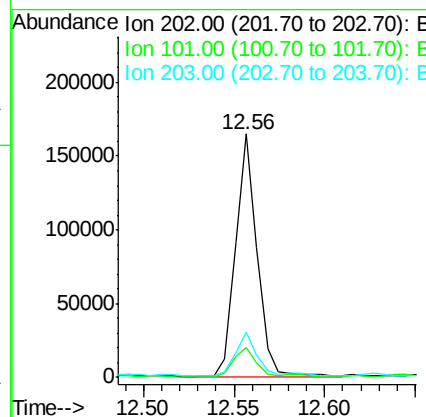
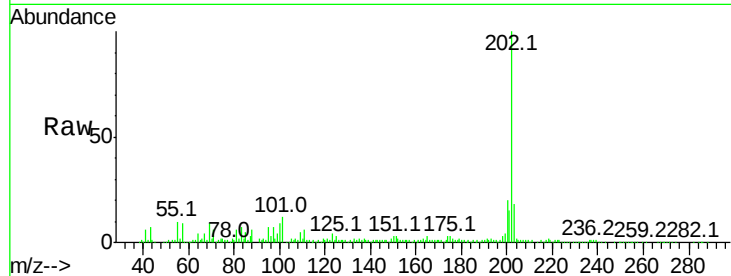
ClientSampleId :

S13-SP1-C

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.5	0.0	34.1
203	18.4	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

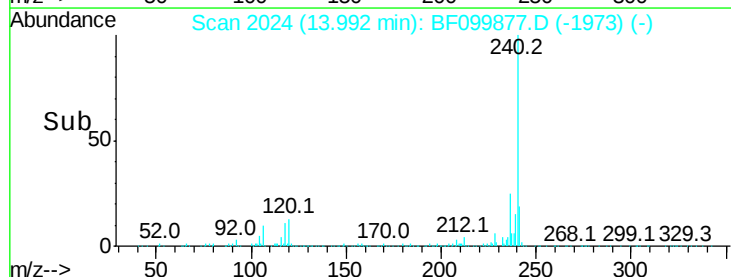
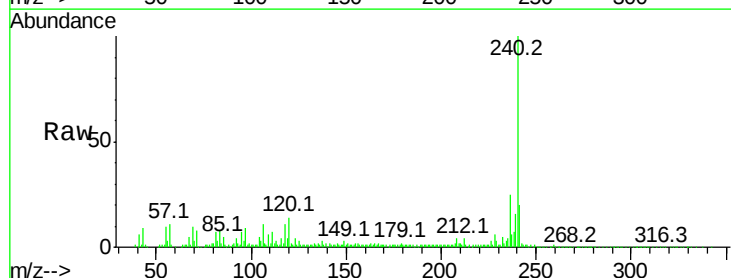
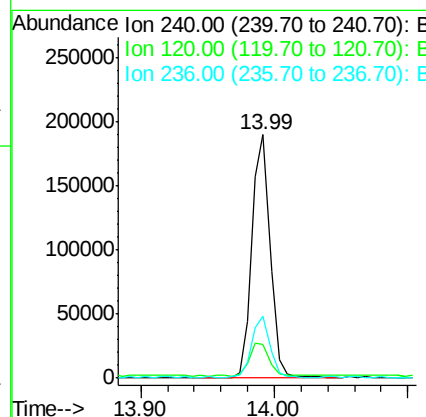
RT: 13.99 min Scan# 2024

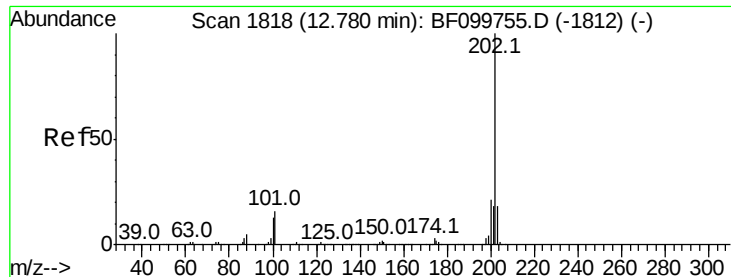
Delta R.T. -0.00 min

Lab File: BF099877.D

Acq: 27 Oct 2017 15:12

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	14.0	9.5	14.3
236	25.4	20.7	31.1





#77

Pvrene

Concen: 8.915 ng

RT: 12.79 min Scan# 1819

Delta R.T. -0.00 min

Lab File: BF099877.D

Acq: 27 Oct 2017 15:12

Instrument :

BNA_F

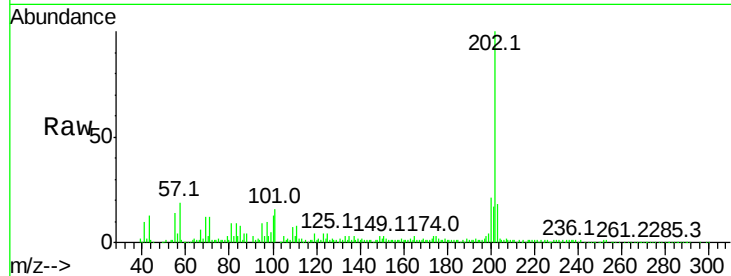
ClientSampleId :

S13-SP1-C

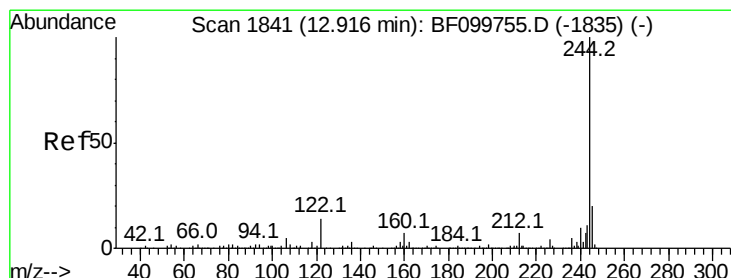
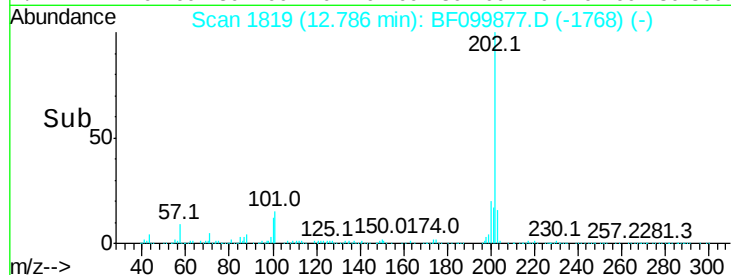
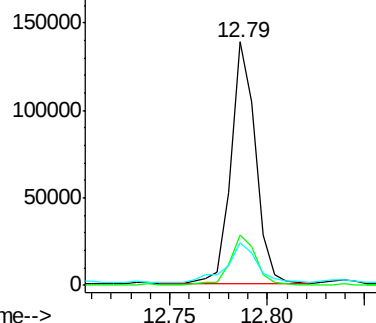
Tot Ion:	202	Resp:	119197
Ion Ratio		Lower	Upper
202	100		
200	20.6	17.4	26.2
203	17.6	14.3	21.5

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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: 64.058 ng

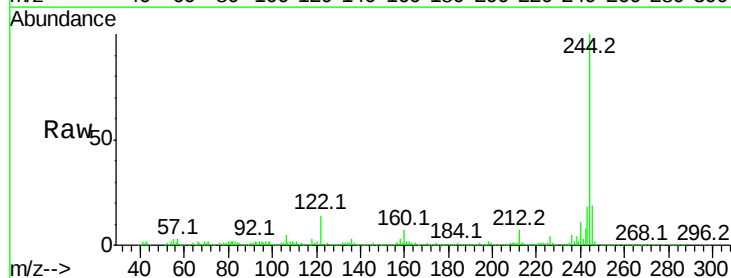
RT: 12.92 min Scan# 1842

Delta R.T. -0.00 min

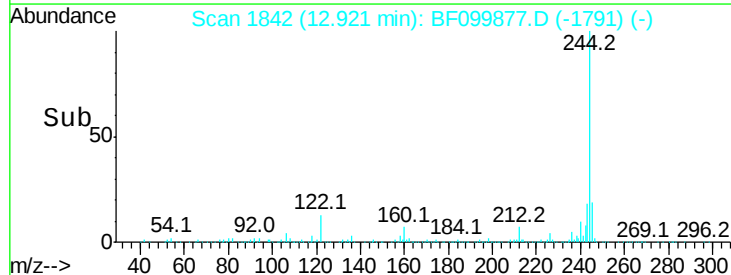
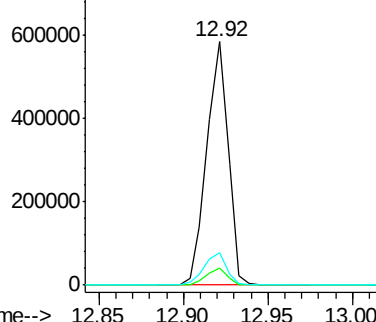
Lab File: BF099877.D

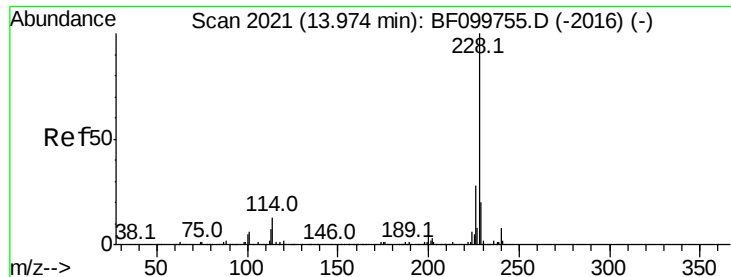
Acq: 27 Oct 2017 15:12

Tgt Ion:	244	Resp:	515420
Ion Ratio		Lower	Upper
244	100		
212	6.8	5.4	8.0
122	13.6	11.0	16.4



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





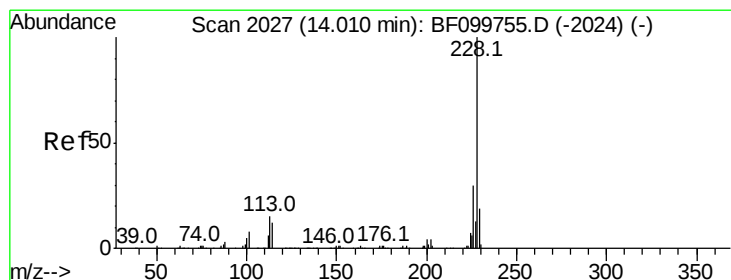
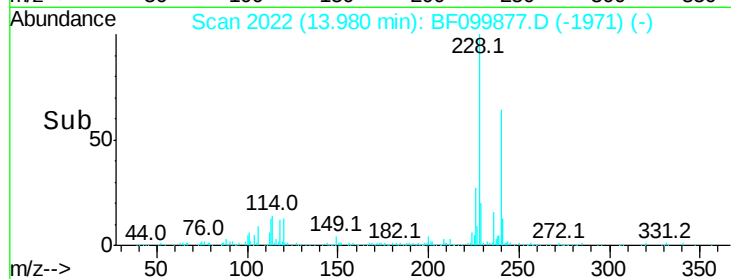
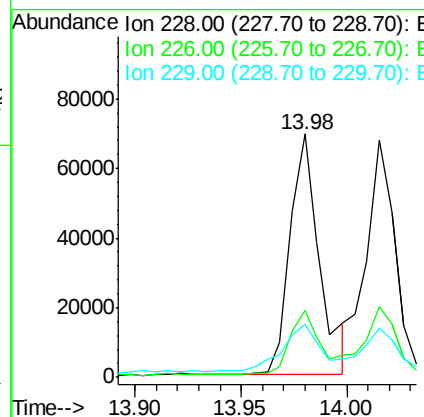
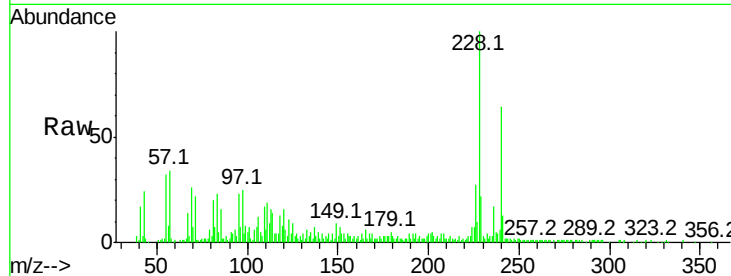
#80
Benzo(a)anthracene
Concen: 6.106 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.00 min
Lab File: BF099877.D
Acq: 27 Oct 2017 15:12

Instrument :
BNA_F
ClientSampleId :
S13-SP1-C

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.6	33.8
229	22.0	15.8	23.6

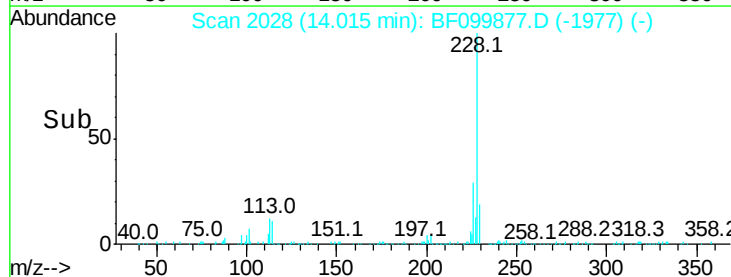
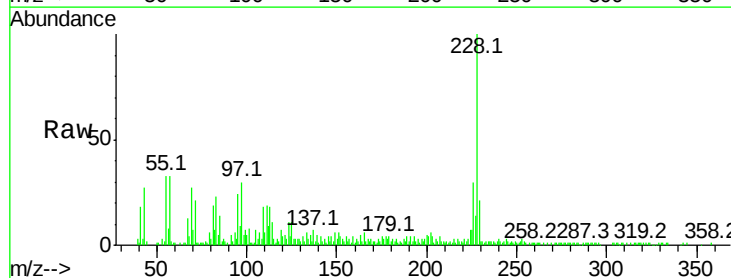
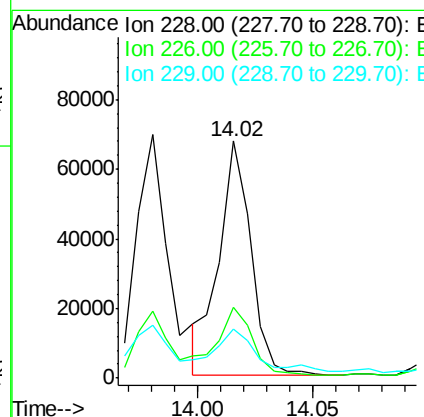
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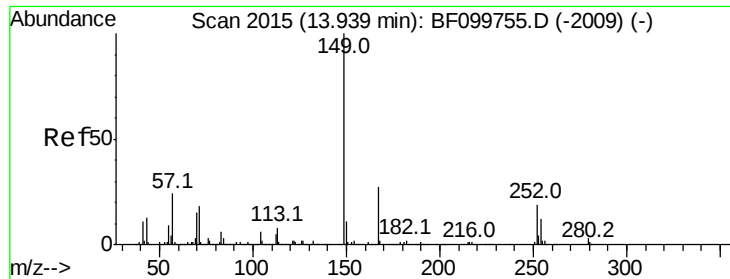
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#82
Chrysene
Concen: 6.154 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.00 min
Lab File: BF099877.D
Acq: 27 Oct 2017 15:12

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	25.0	37.6
229	20.8	16.2	24.4





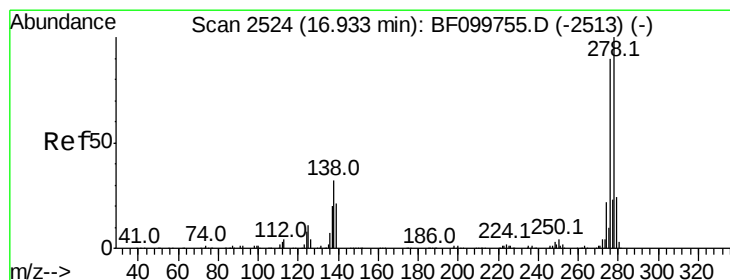
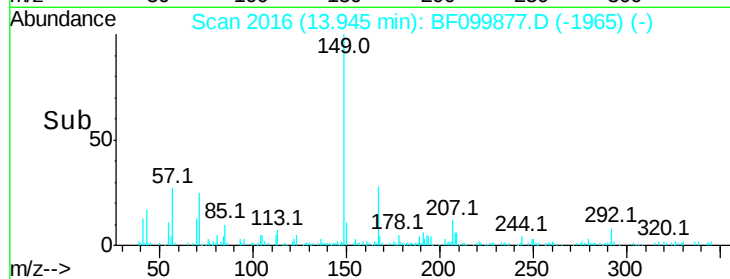
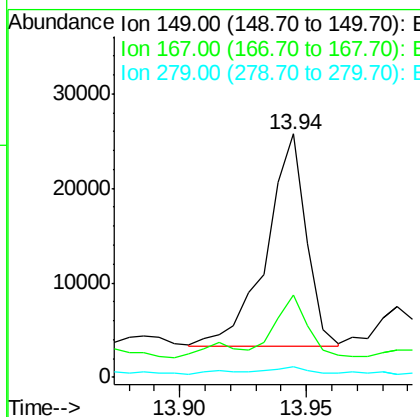
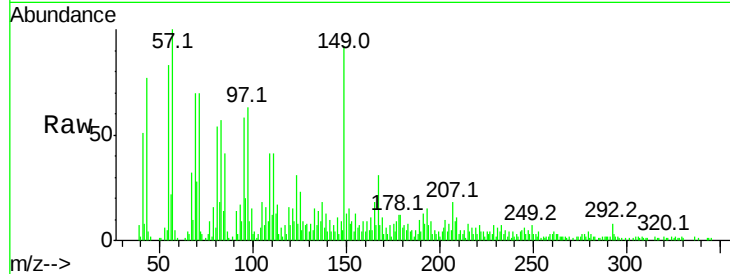
#83
Bis(2-ethylhexyl)phthalate
Concen: 2.679 ng
RT: 13.94 min Scan# 2016
Delta R.T. -0.00 min
Lab File: BF099877.D
Acq: 27 Oct 2017 15:12

Instrument :
BNA_F
ClientSampleId :
S13-SP1-C

Tot Ion	Ratio	Lower	Upper
149	100		
167	33.8	21.3	31.9#
279	4.1	3.0	4.4

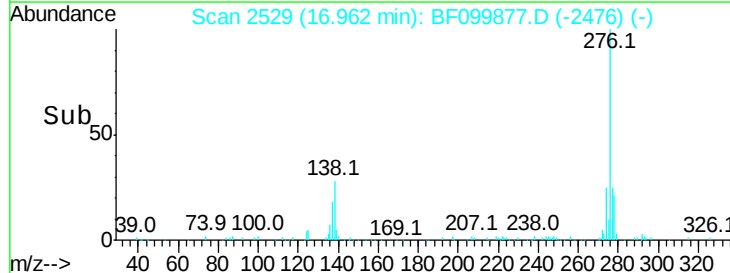
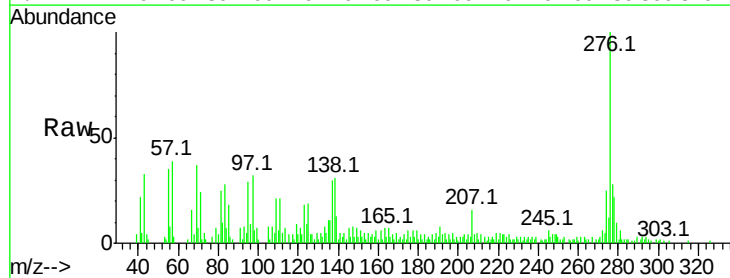
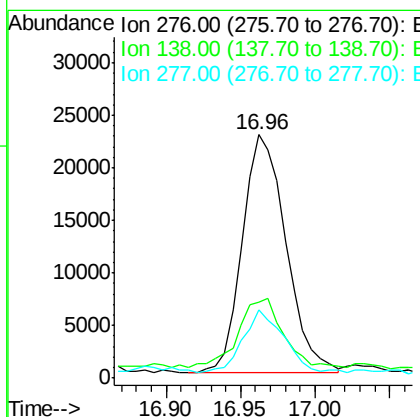
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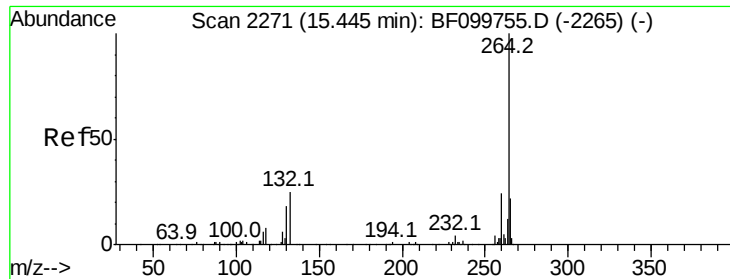
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#85
Indeno(1,2,3-cd)pyrene
Concen: 4.773 ng
RT: 16.96 min Scan# 2529
Delta R.T. 0.01 min
Lab File: BF099877.D
Acq: 27 Oct 2017 15:12

Tgt Ion	Ratio	Lower	Upper
276	100		
138	31.5	25.0	37.6
277	25.3	20.1	30.1





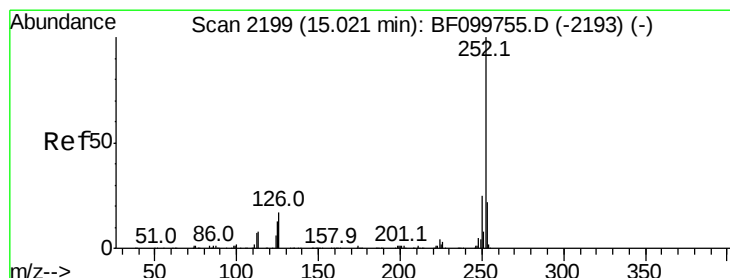
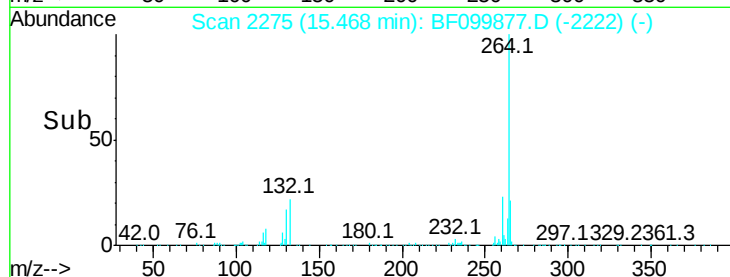
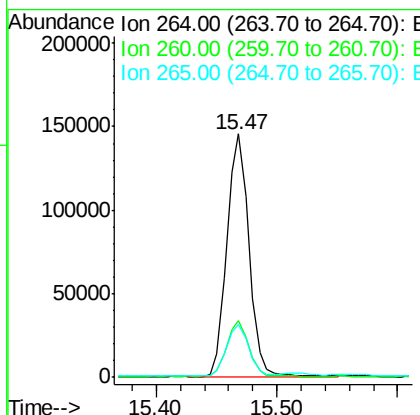
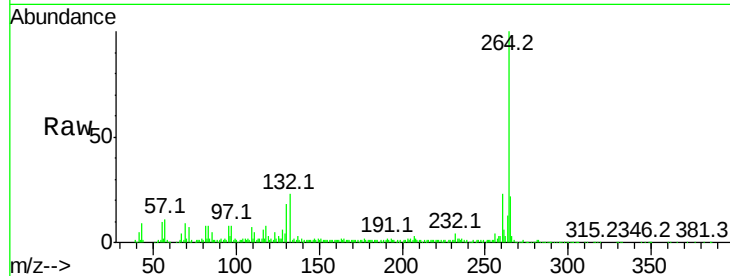
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. 0.01 min
Lab File: BF099877.D
Acq: 27 Oct 2017 15:12

Instrument :
BNA_F
ClientSampled :
S13-SP1-C

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

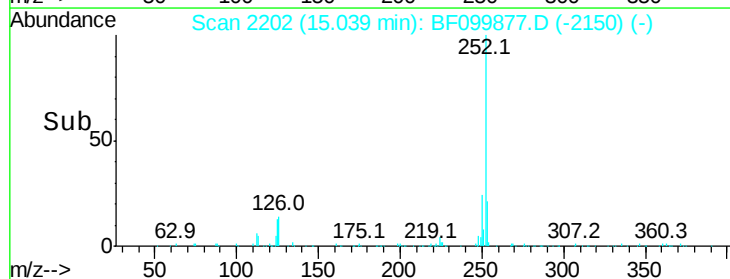
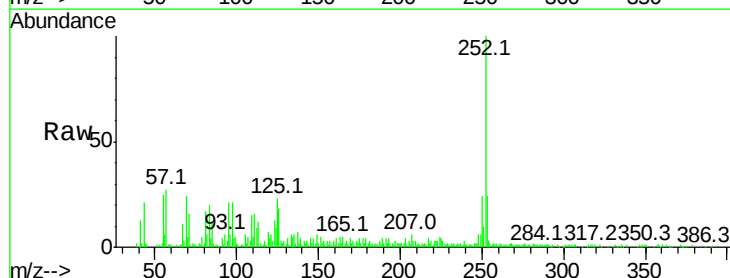
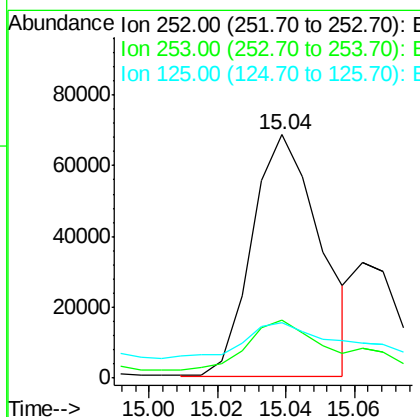
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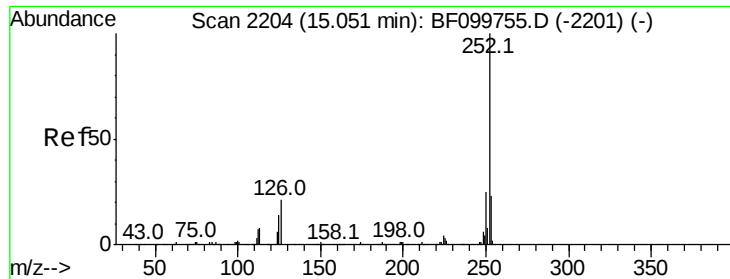
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#87
Benzo(b)fluoranthene
Concen: 8.134 ng m
RT: 15.04 min Scan# 2202
Delta R.T. 0.01 min
Lab File: BF099877.D
Acq: 27 Oct 2017 15:12

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	23.9	17.0	25.6	
125	23.0	9.0	13.6	





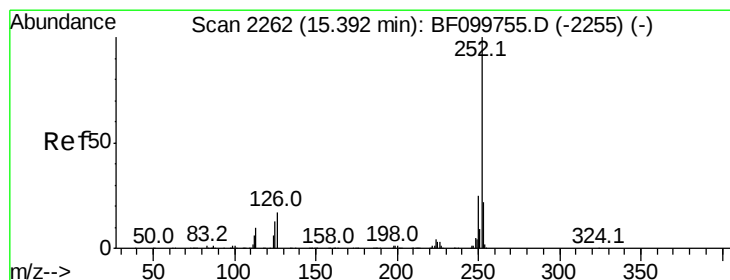
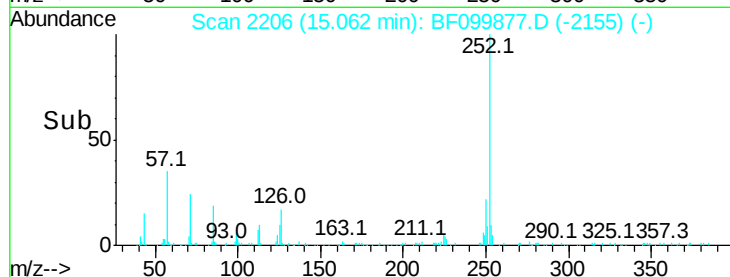
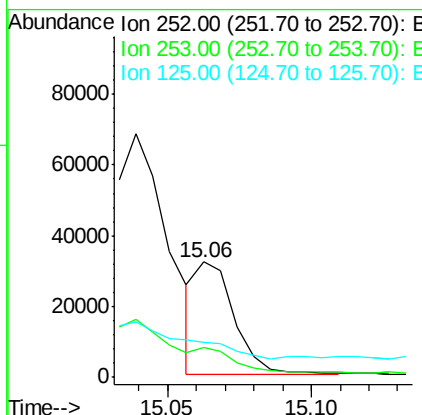
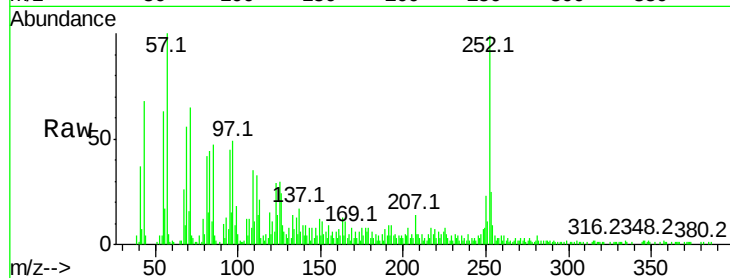
#88
Benzo(k)fluoranthene
Concen: 2.642 ng m
RT: 15.06 min Scan# 2206
Delta R.T. -0.00 min
Lab File: BF099877.D
Acq: 27 Oct 2017 15:12

Instrument :
BNA_F
ClientSampleId :
S13-SP1-C

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.9	26.9
125	30.0	10.2	15.2

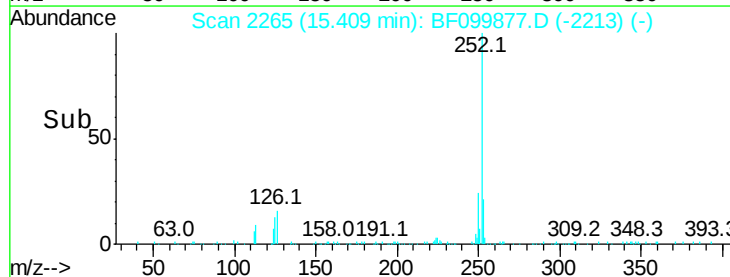
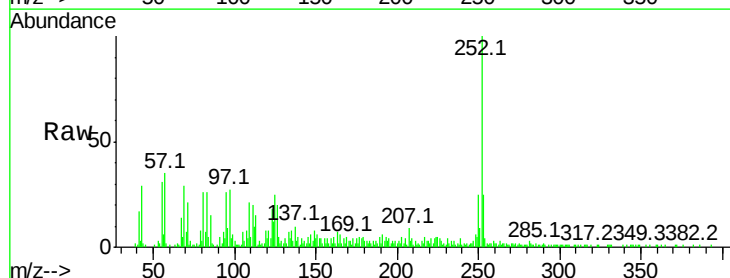
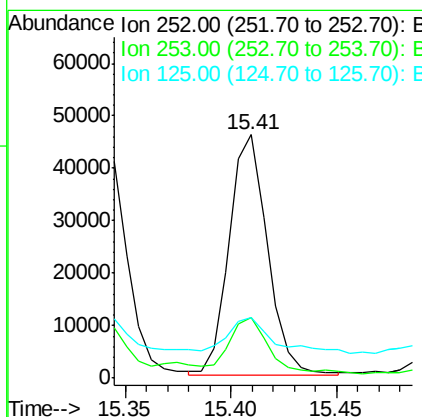
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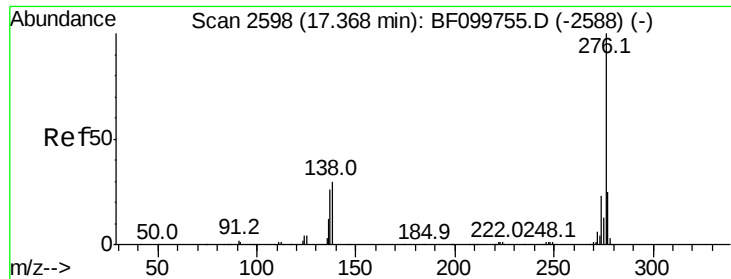
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#89
Benzo(a)pyrene
Concen: 5.470 ng
RT: 15.41 min Scan# 2265
Delta R.T. 0.01 min
Lab File: BF099877.D
Acq: 27 Oct 2017 15:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.1	25.7
125	25.1	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 5.042 ng
 RT: 17.42 min Scan# 2607
 Delta R.T. 0.02 min
 Lab File: BF099877.D
 Acq: 27 Oct 2017 15:12

Instrument :
 BNA_F
 ClientSampleId :
 S13-SP1-C

Tot Ion	Ratio	Lower	Upper
276	100		
277	28.9	17.9	26.9#
138	34.7	21.8	32.8#

Manual Integrations
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