

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030119\
 Data File : BF112797.D
 Acq On : 1 Mar 2019 14:04
 Operator : JU/SJ
 Sample : K1652-12
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-DAY-2

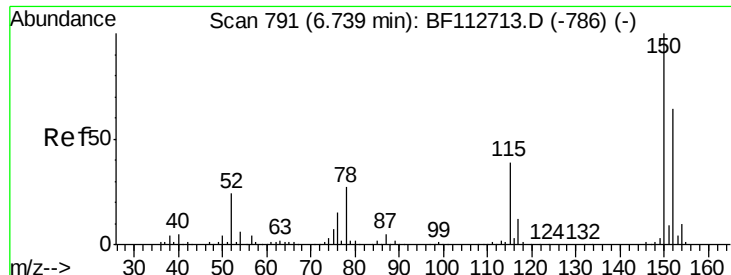
Manual Integrations
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Quant Time: Mar 01 22:57:48 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 15:40:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	131278	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	497698	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	229275	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	418898	20.00	ng	0.00
76) Chrysene-d12	13.87	240	282778	20.00	ng	0.00
87) Perylene-d12	15.28	264	313246	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	795587	94.27	ng	0.00
7) Phenol-d6	6.37	99	1009689	95.24	ng	0.00
23) Nitrobenzene-d5	7.30	82	609462	73.28	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	276750	113.70	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	1076761	75.56	ng	0.00
79) Terphenyl-d14	12.83	244	837383	57.40	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.49	163	96441	5.705	ng	Qvalue 100
71) Phenanthrene	11.27	178	231341	11.100	ng	98
72) Anthracene	11.32	178	50626	2.320	ng	97
75) Fluoranthene	12.46	202	385407	17.260	ng	94
78) Pyrene	12.68	202	351273	14.735	ng	99
81) Benzo(a)anthracene	13.86	228	174217	8.889	ng	99
83) Chrysene	13.90	228	168586	8.782	ng	97
84) Bis(2-ethylhexyl)phthalate	13.87	149	56994	4.618	ng	98
86) Indeno(1,2,3-cd)pyrene	16.63	276	100108	6.117	ng	# 91
88) Benzo(b)fluoranthene	14.88	252	246307m	12.156	ng	
89) Benzo(k)fluoranthene	14.90	252	80581m	4.391	ng	
90) Benzo(a)pyrene	15.22	252	176265	9.835	ng	98
92) Benzo(a,h,i)perylene	17.04	276	87957	5.728	ng	97

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



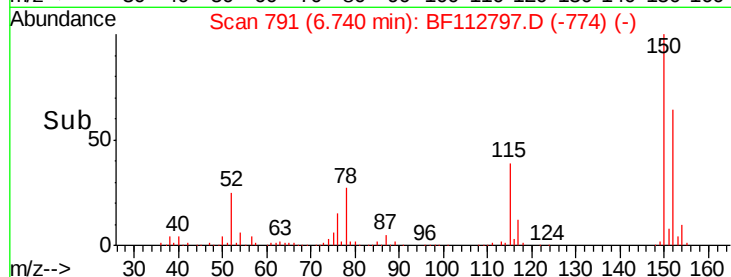
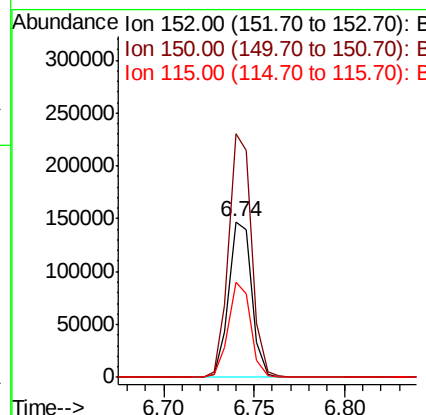
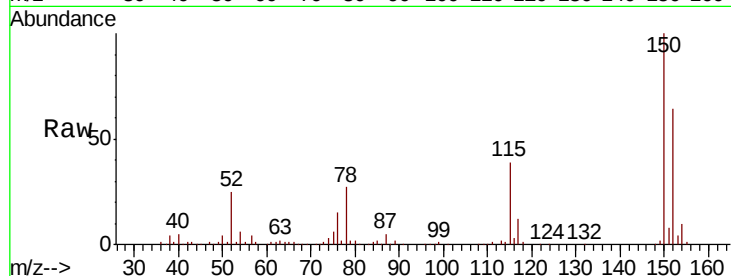
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.74 min Scan# 791
 Delta R.T. 0.00 min
 Lab File: BF112797.D
 Acq: 1 Mar 2019 14:04

Instrument :
 BNA_F
 ClientSampleId :
 COMP-DAY-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	124.2	186.2
115	61.0	48.2	72.4

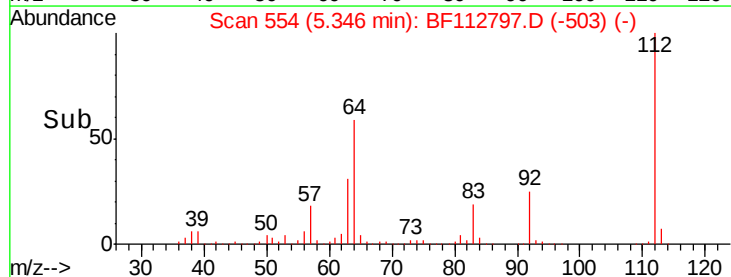
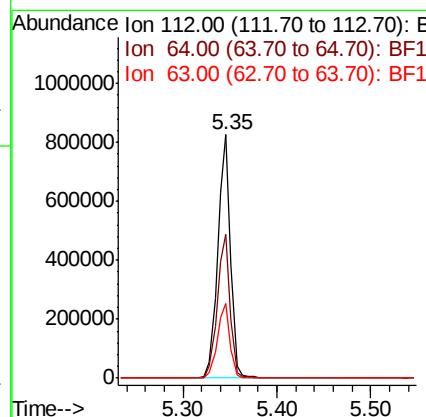
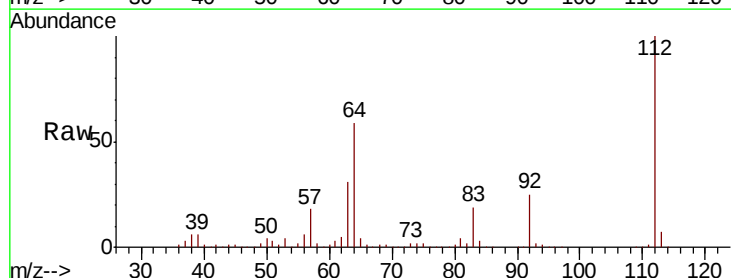
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#5
 2-Fluorophenol
 Concen: 94.271 ng
 RT: 5.35 min Scan# 554
 Delta R.T. 0.00 min
 Lab File: BF112797.D
 Acq: 1 Mar 2019 14:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.3	47.6	71.4
63	30.6	24.4	36.6





#7

Phenol-d6

Concen: 95.243 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.01 min

Lab File: BF112797.D

Acq: 1 Mar 2019 14:04

Instrument :

BNA_F

ClientSampled :

COMP-DAY-2

Tot Ion: 99 Resp: 1009689

Ion Ratio Lower Upper

99 100

42 19.0 16.3 24.5

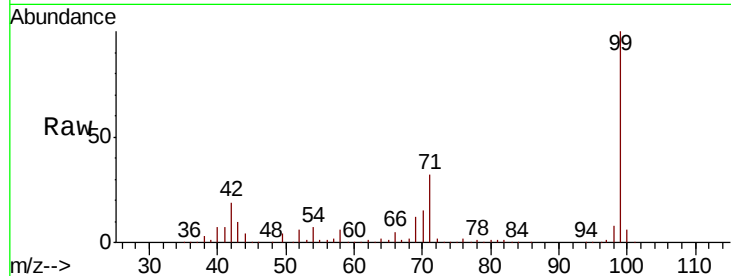
71 31.9 26.2 39.4

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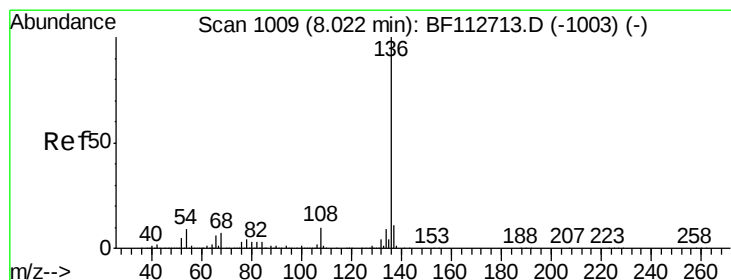
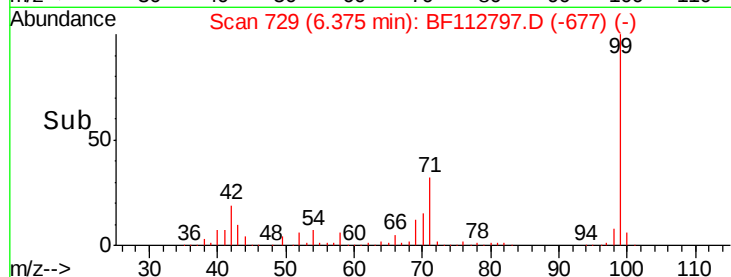
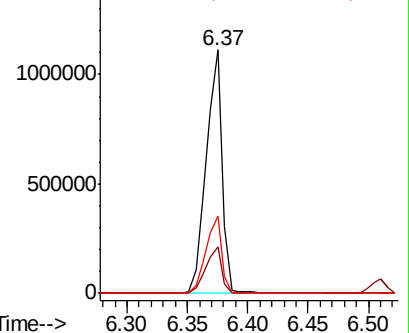
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BF112797.D

Acq: 1 Mar 2019 14:04

Tgt Ion: 136 Resp: 497698

Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 8.6 7.3 10.9

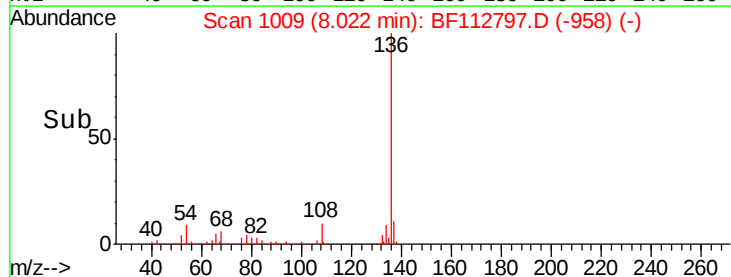
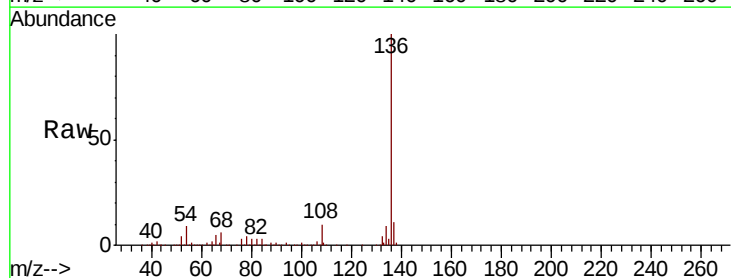
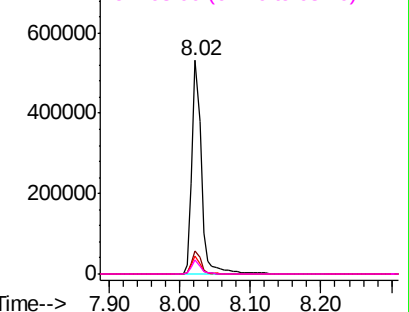
68 6.5 5.4 8.2

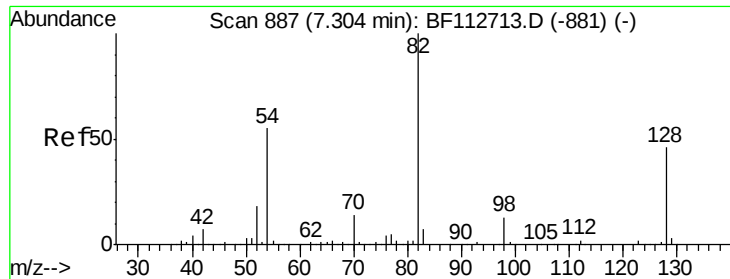
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





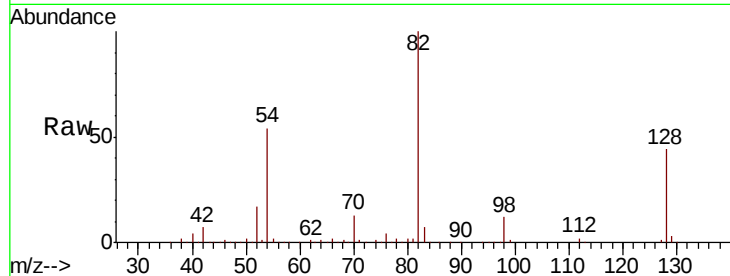
#23
Nitrobenzene-d5
Concen: 73.275 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF112797.D
Acq: 1 Mar 2019 14:04

Instrument :
BNA_F
ClientSampleId :
COMP-DAY-2

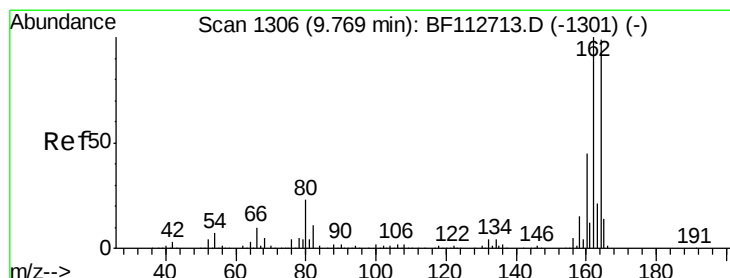
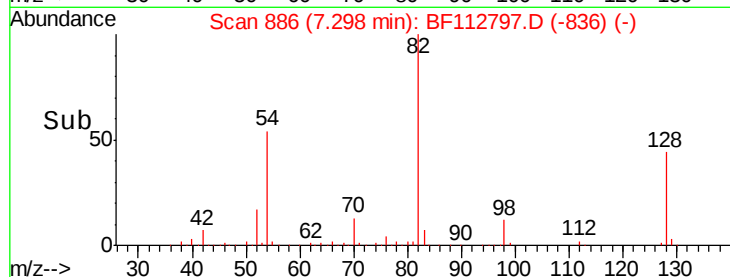
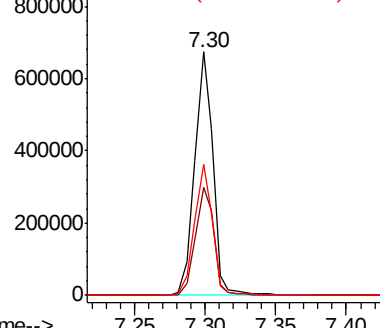
Tot Ion	82	Resp	609462
Ion Ratio	100	Lower	Upper
128	44.3	36.3	54.5
54	53.7	43.7	65.5

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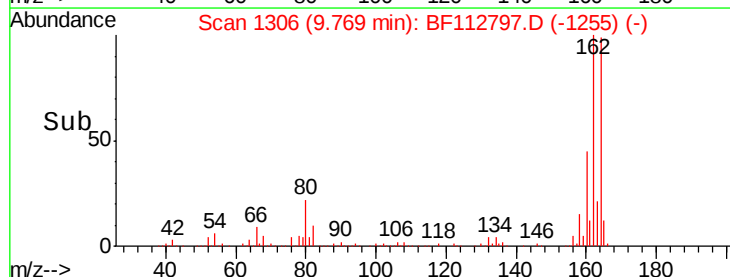
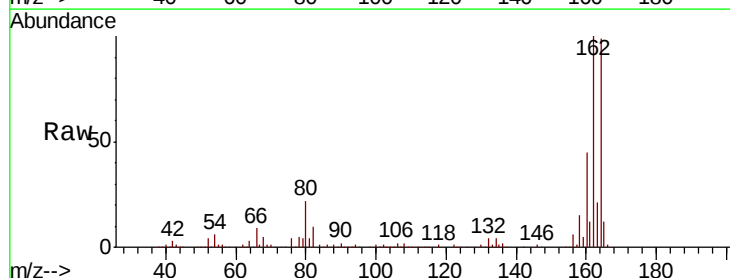
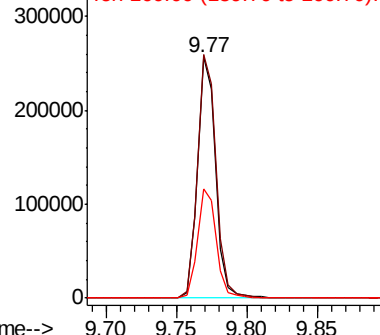
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1306
Delta R.T. 0.00 min
Lab File: BF112797.D
Acq: 1 Mar 2019 14:04

Tgt Ion	164	Resp	229275
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
162	101.0	80.6	120.8
160	45.3	36.0	54.0

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





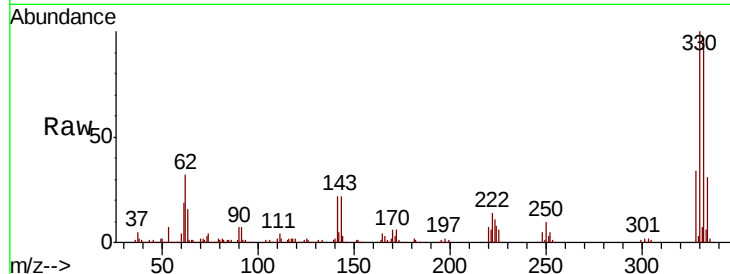
#42
 2,4,6-Tribromophenol
 Concen: 113.700 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: BF112797.D
 Acq: 1 Mar 2019 14:04

Instrument :
 BNA_F
 ClientSampleId :
 COMP-DAY-2

Tot Ion	Ratio	Resp	Lower	Upper
330	100	276750		
332	96.5	76.2	114.4	
141	29.5	27.0	40.6	

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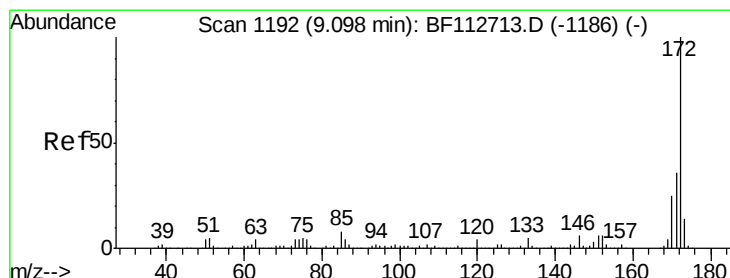
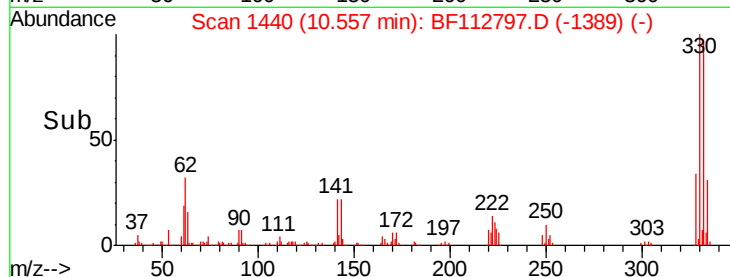
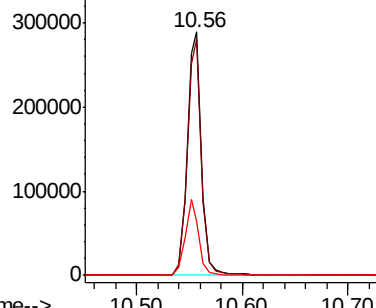


Abundance

Ion 329.80 (329.50 to 330.50): E

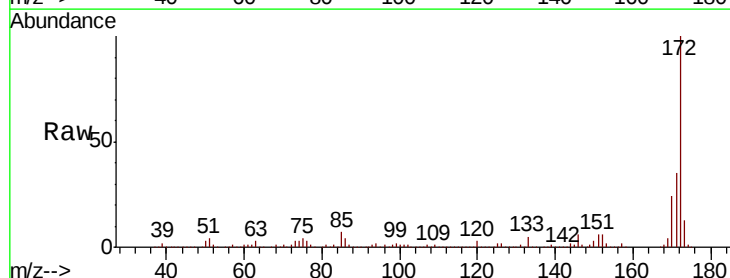
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 75.563 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: BF112797.D
 Acq: 1 Mar 2019 14:04

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1076761		
171	35.1	29.0	43.4	
170	23.9	20.0	30.0	

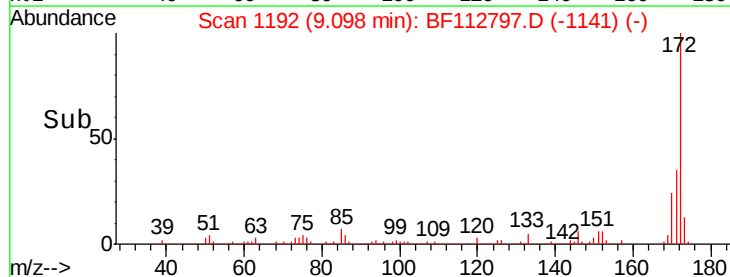
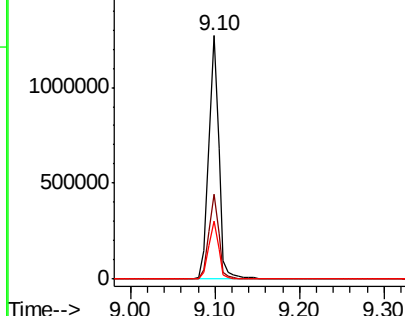


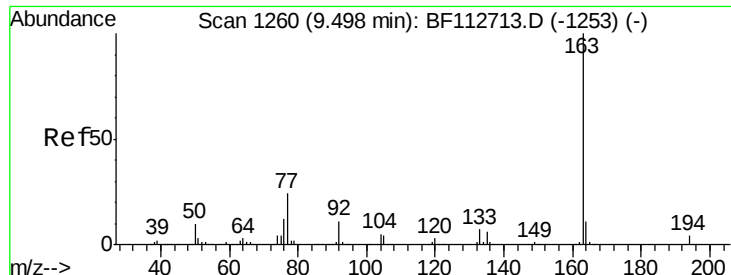
Abundance

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





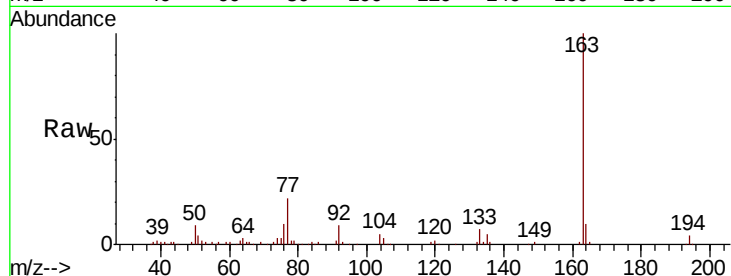
#50
Dimethylphthalate
Concen: 5.705 ng
RT: 9.49 min Scan# 1258
Delta R.T. -0.01 min
Lab File: BF112797.D
Acq: 1 Mar 2019 14:04

Instrument :
BNA_F
ClientSampleId :
COMP-DAY-2

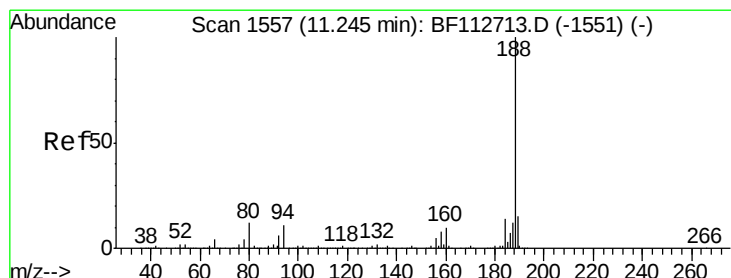
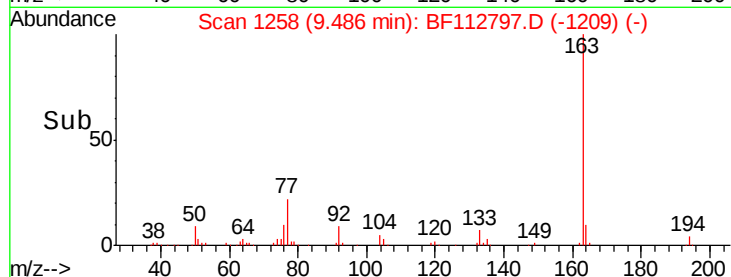
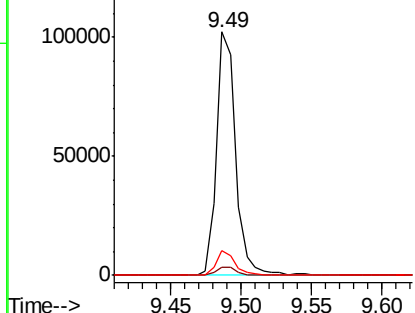
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.5	3.0	4.4
164	10.4	8.4	12.6

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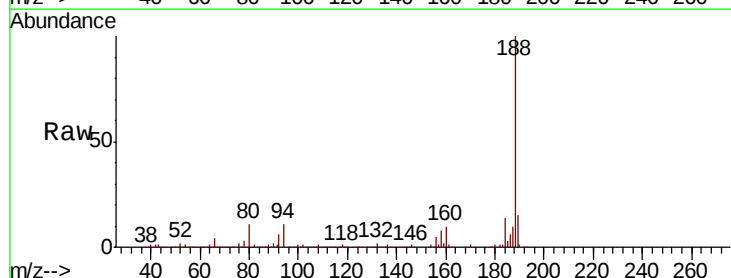


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

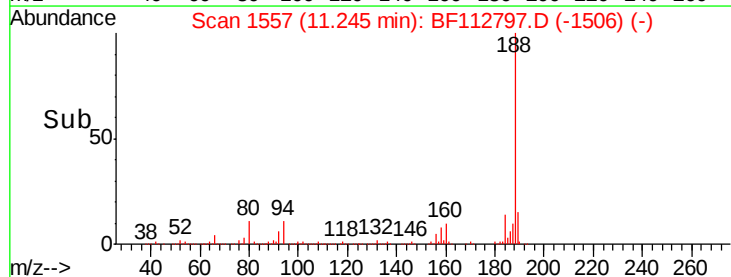
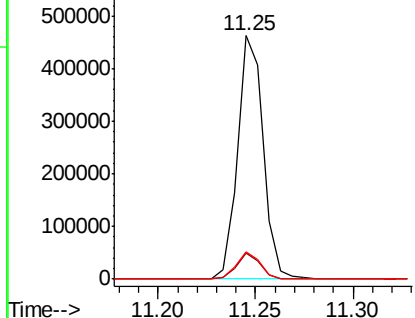


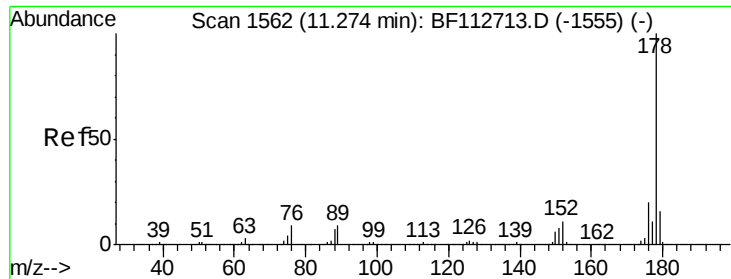
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1557
Delta R.T. 0.00 min
Lab File: BF112797.D
Acq: 1 Mar 2019 14:04

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.6	9.0	13.4
80	11.1	9.2	13.8



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





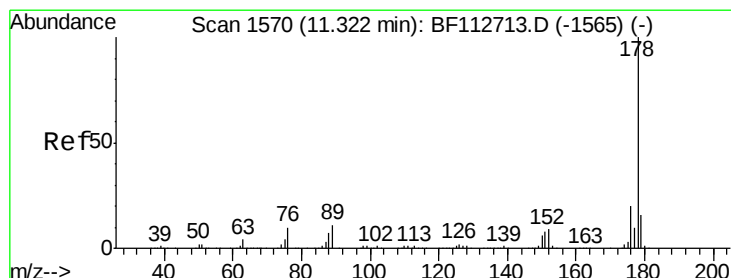
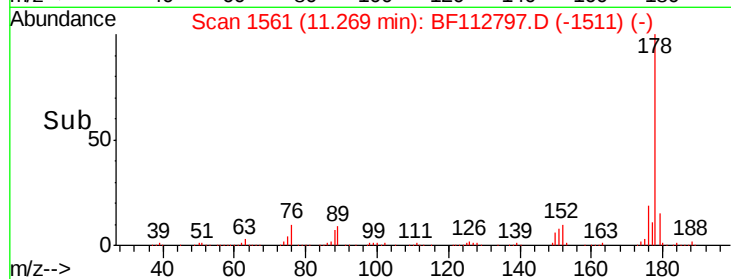
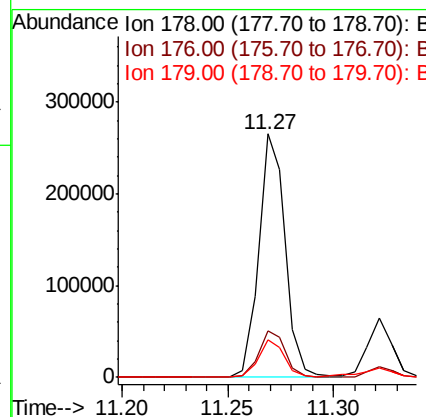
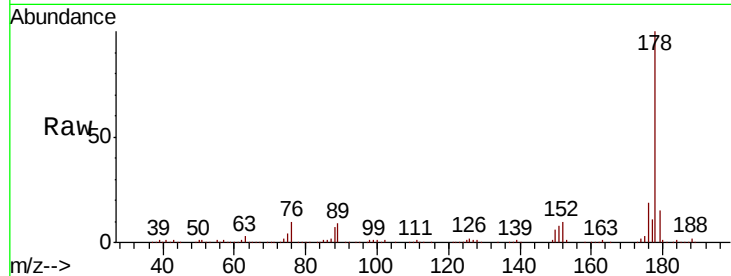
#71
Phenanthrene
Concen: 11.100 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF112797.D
Acq: 1 Mar 2019 14:04

Instrument :
BNA_F
ClientSampleId :
COMP-DAY-2

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	16.3	24.5
179	15.5	12.7	19.1

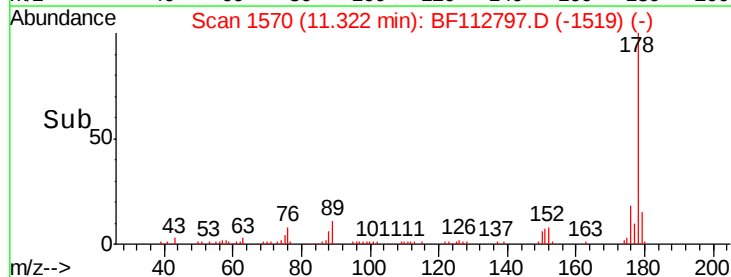
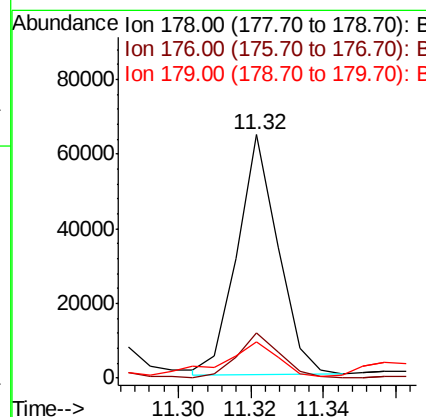
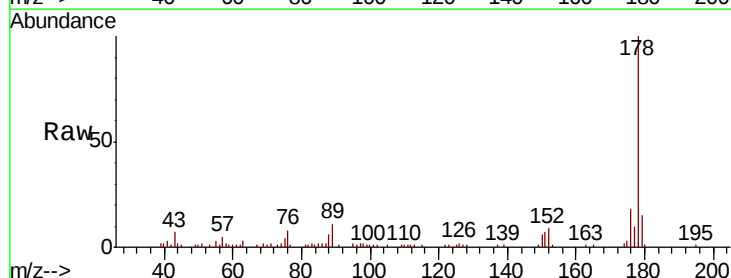
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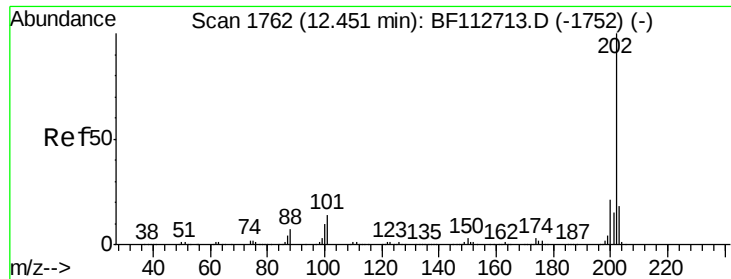
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#72
Anthracene
Concen: 2.320 ng
RT: 11.32 min Scan# 1570
Delta R.T. 0.00 min
Lab File: BF112797.D
Acq: 1 Mar 2019 14:04

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.8	23.6
179	14.8	13.0	19.6





#75

Fluoranthene

Concen: 17.260 ng

RT: 12.46 min Scan# 1763

Delta R.T. 0.01 min

Lab File: BF112797.D

Acq: 1 Mar 2019 14:04

Instrument :

BNA_F

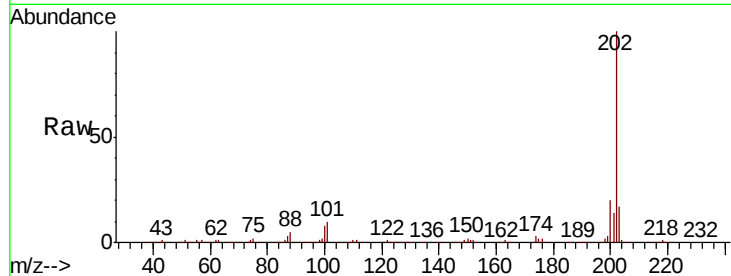
ClientSampleId :

COMP-DAY-2

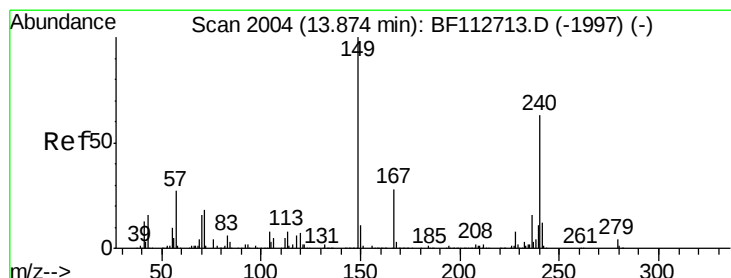
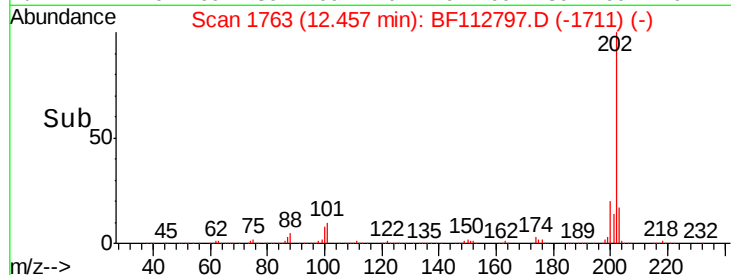
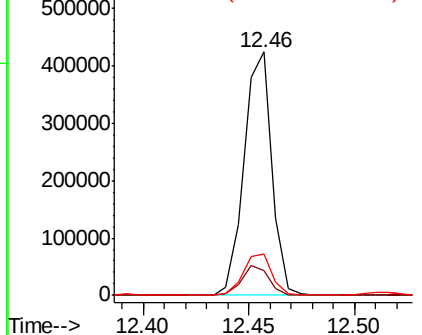
Tot Ion:	202	Resp:	385407
Ion Ratio		Lower	Upper
202	100		
101	10.1	0.0	33.8
203	16.9	0.0	38.4

Manual Integrations
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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



#76

Chrysene-d12

Concen: 20.000 ng

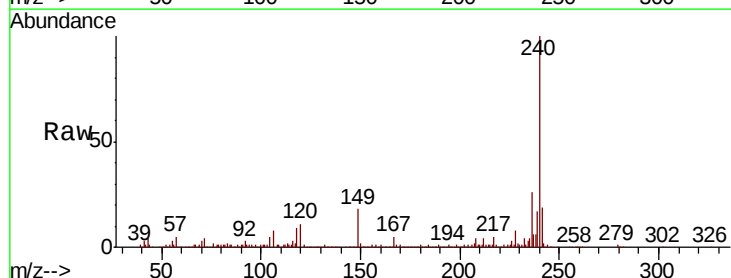
RT: 13.87 min Scan# 2004

Delta R.T. 0.00 min

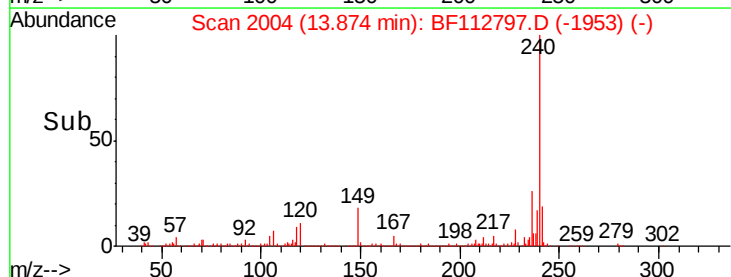
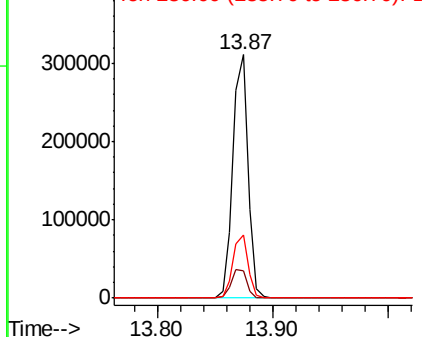
Lab File: BF112797.D

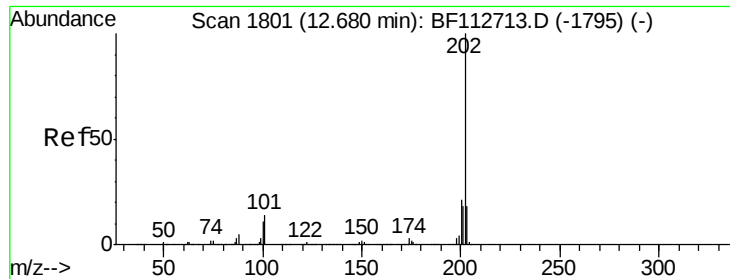
Acq: 1 Mar 2019 14:04

Tgt Ion:	240	Resp:	282778
Ion Ratio		Lower	Upper
240	100		
120	11.2	8.9	13.3
236	26.0	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





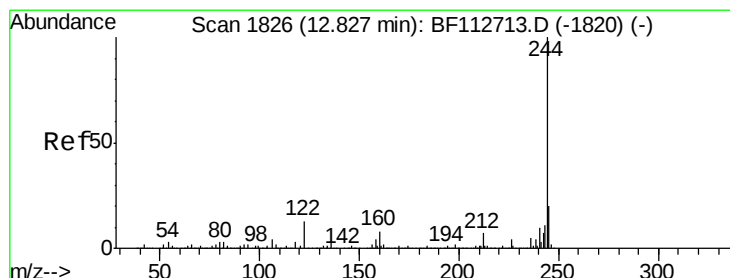
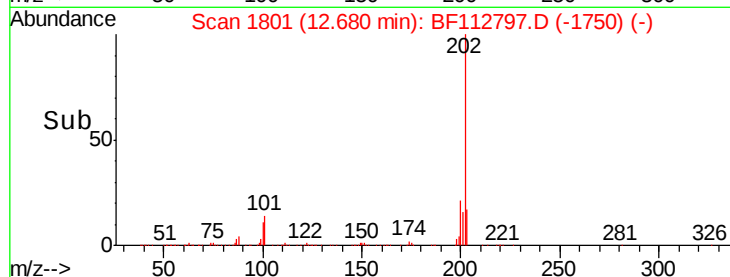
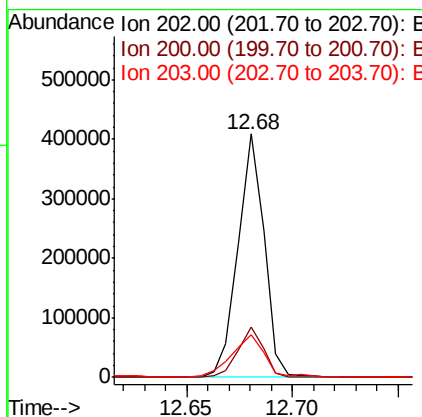
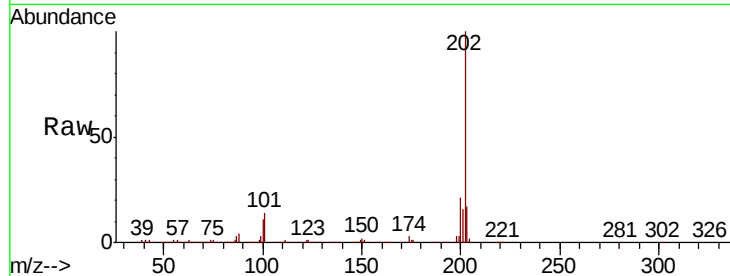
#78
Pvrene
Concen: 14.735 ng
RT: 12.68 min Scan# 1801
Delta R.T. 0.00 min
Lab File: BF112797.D
Acq: 1 Mar 2019 14:04

Instrument :
BNA_F
ClientSampleId :
COMP-DAY-2

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.0	25.4
203	17.4	14.4	21.6

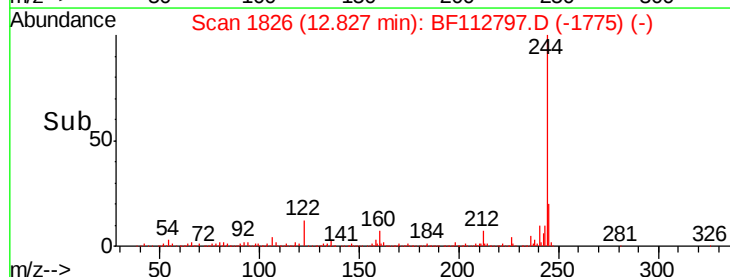
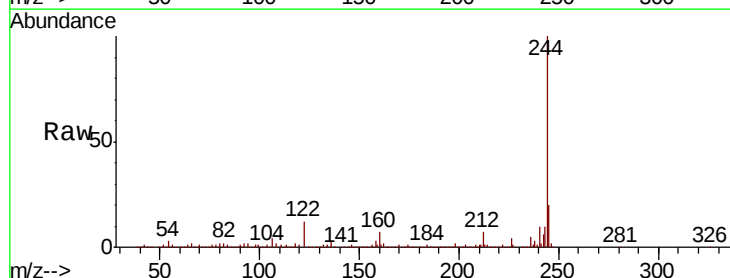
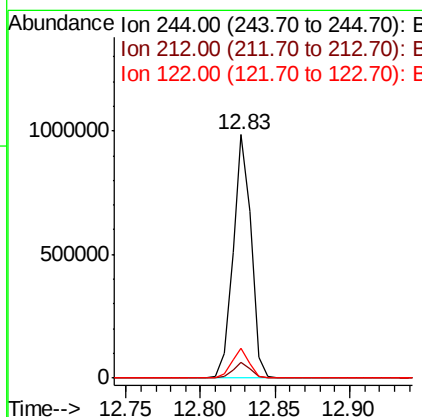
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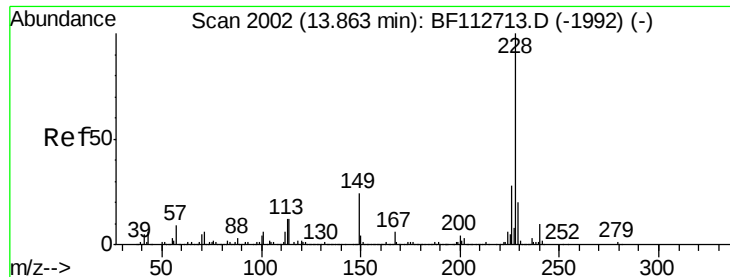
Sohil
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#79
Terphenyl-d14
Concen: 57.404 ng
RT: 12.83 min Scan# 1826
Delta R.T. 0.00 min
Lab File: BF112797.D
Acq: 1 Mar 2019 14:04

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.6	8.4
122	12.0	10.5	15.7





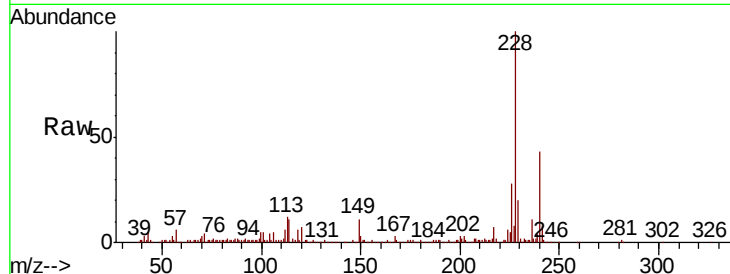
#81
Benzo(a)anthracene
Concen: 8.889 ng
RT: 13.86 min Scan# 2002
Delta R.T. 0.00 min
Lab File: BF112797.D
Acq: 1 Mar 2019 14:04

Instrument :
BNA_F
ClientSampleId :
COMP-DAY-2

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.2	33.4
229	20.5	16.0	24.0

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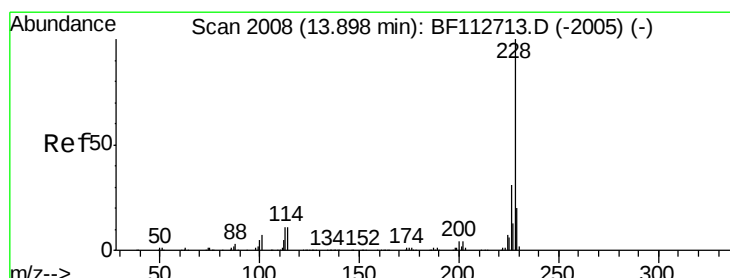
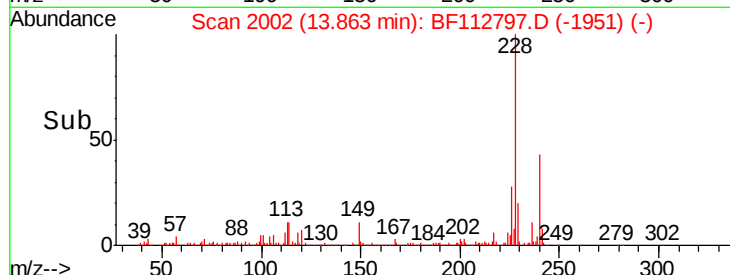
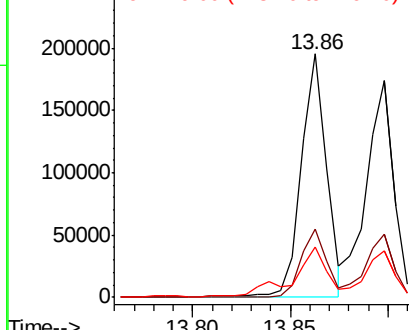


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83
Chrysene
Concen: 8.782 ng
RT: 13.90 min Scan# 2008
Delta R.T. 0.00 min
Lab File: BF112797.D
Acq: 1 Mar 2019 14:04

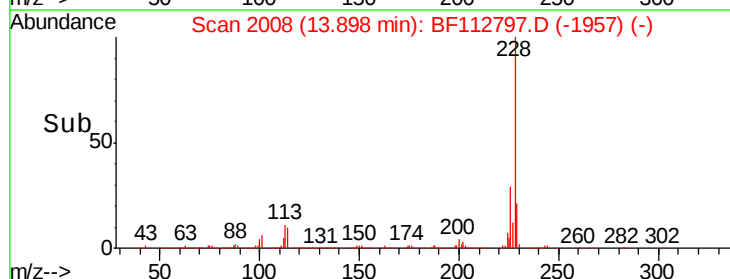
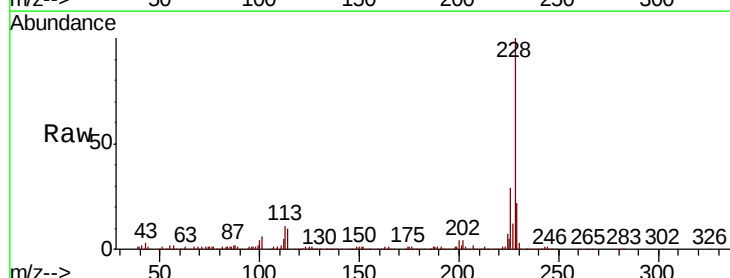
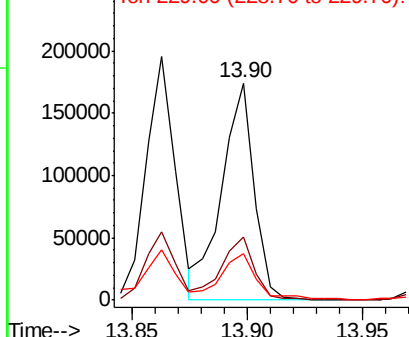
Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.3	24.9	37.3
229	21.6	16.3	24.5

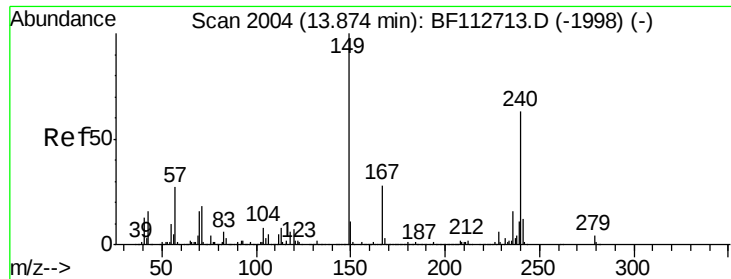
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.618 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF112797.D

Acq: 1 Mar 2019 14:04

Instrument :

BNA_F

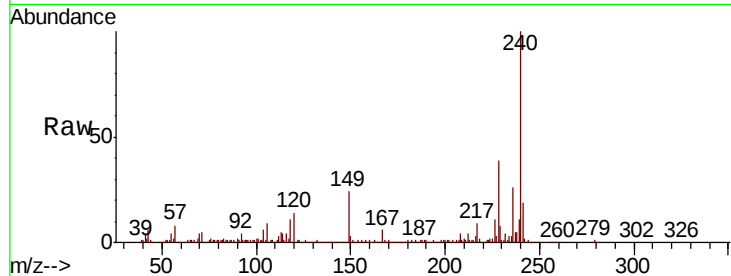
ClientSampleId :

COMP-DAY-2

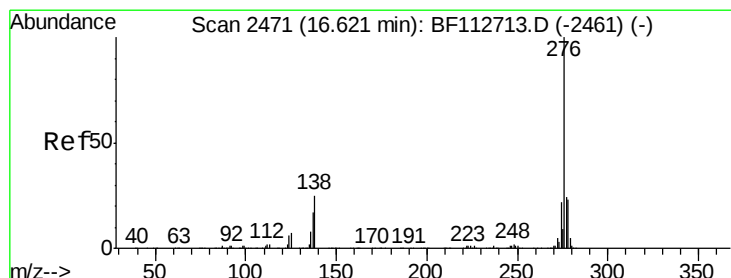
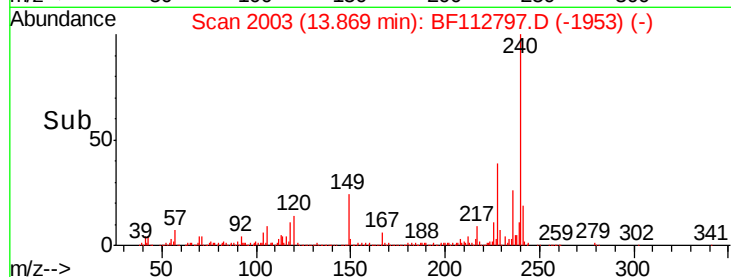
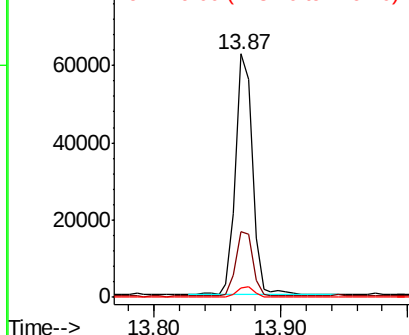
Tot Ion:	149	Resp:	56994
Ion Ratio	Lower	Upper	
149	100		
167	26.9	22.4	33.6
279	3.6	3.3	4.9

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 6.117 ng

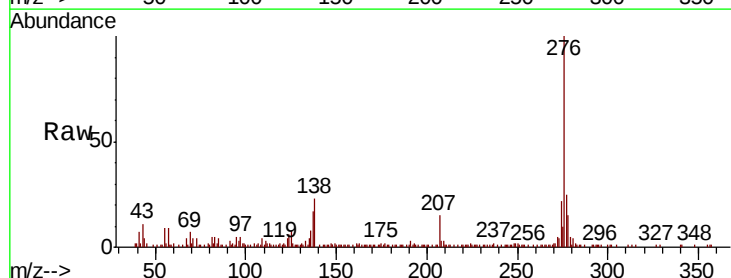
RT: 16.63 min Scan# 2473

Delta R.T. 0.01 min

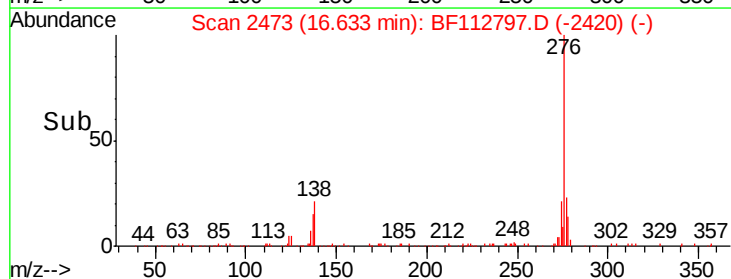
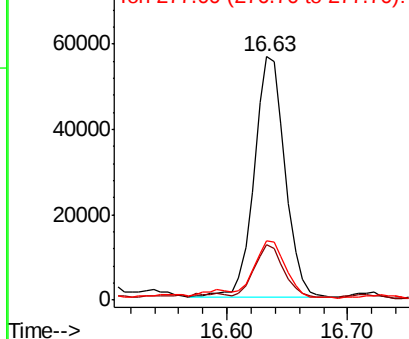
Lab File: BF112797.D

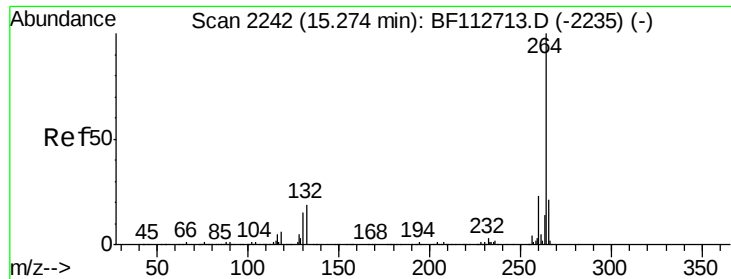
Acq: 1 Mar 2019 14:04

Tgt Ion:	276	Resp:	100108
Ion Ratio	Lower	Upper	
276	100		
138	20.6	23.2	34.8#
277	24.4	19.9	29.9



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





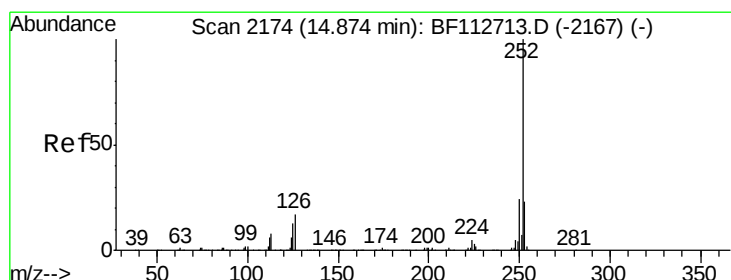
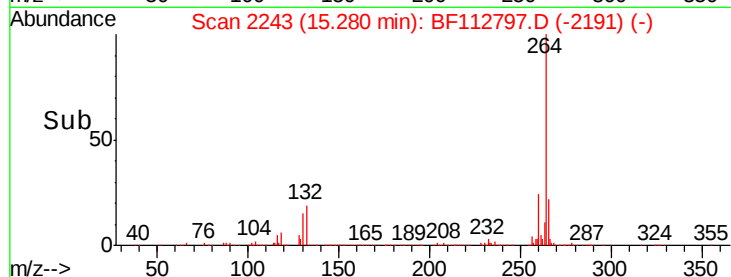
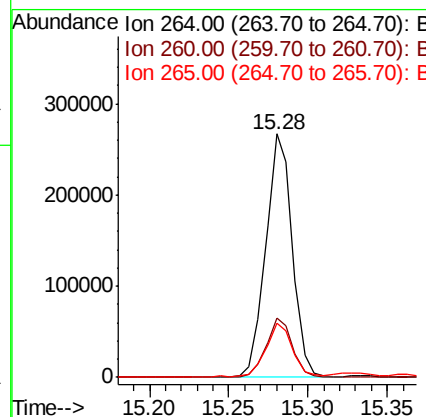
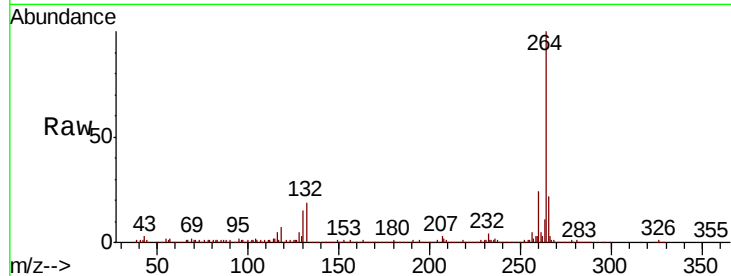
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.28 min Scan# 2243
Delta R.T. 0.01 min
Lab File: BF112797.D
Acq: 1 Mar 2019 14:04

Instrument :
BNA_F
ClientSampleId :
COMP-DAY-2

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.7	28.1
265	22.4	17.2	25.8

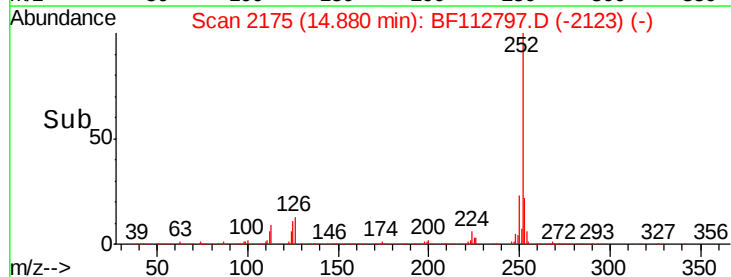
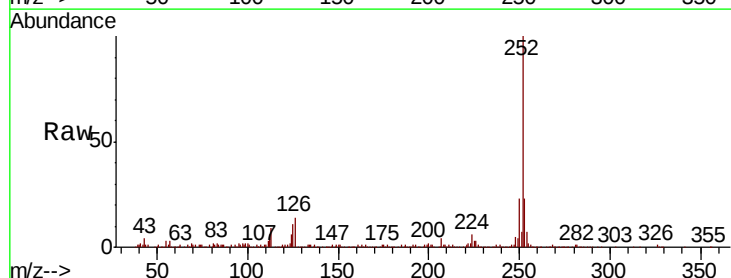
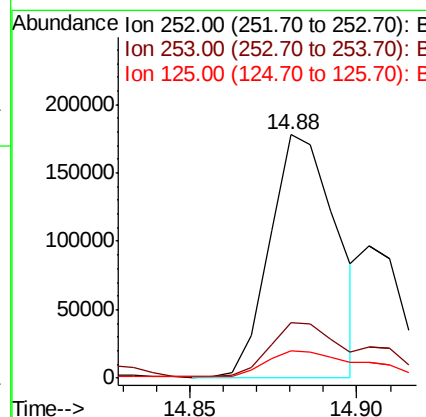
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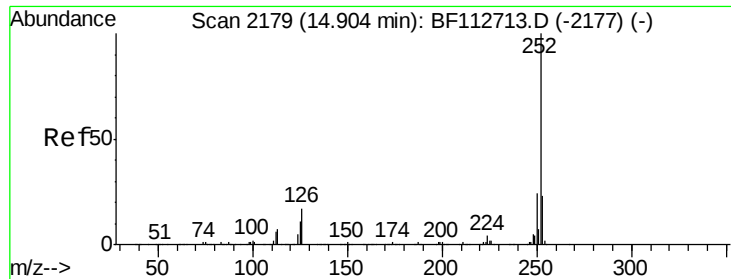
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#88
Benzo(b)fluoranthene
Concen: 12.156 ng m
RT: 14.88 min Scan# 2175
Delta R.T. 0.01 min
Lab File: BF112797.D
Acq: 1 Mar 2019 14:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.0	27.0
125	11.4	10.2	15.2





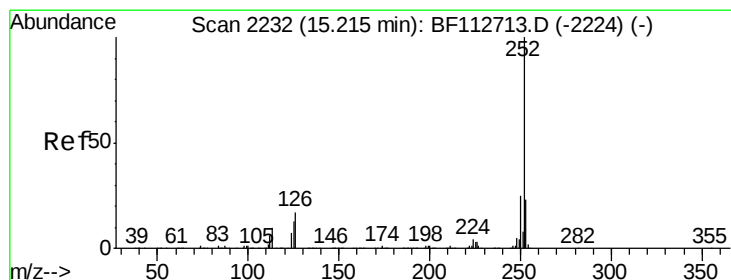
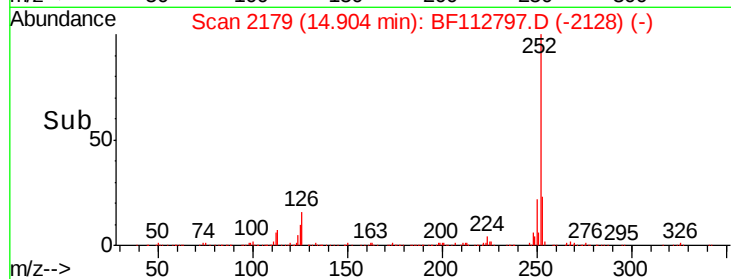
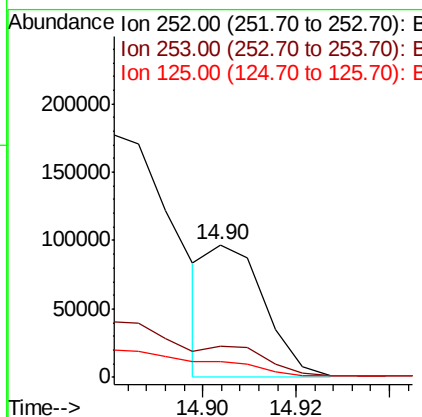
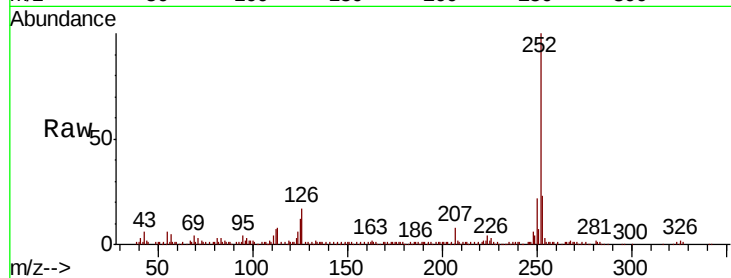
#89
Benzo(k)fluoranthene
Concen: 4.391 ng m
RT: 14.90 min Scan# 2179
Delta R.T. 0.00 min
Lab File: BF112797.D
Acq: 1 Mar 2019 14:04

Instrument :
BNA_F
ClientSampleId :
COMP-DAY-2

Tot Ion:	252	Resp:	80581
Ion Ratio	Lower	Upper	
252	100		
253	23.3	18.2	27.2
125	11.8	9.8	14.6

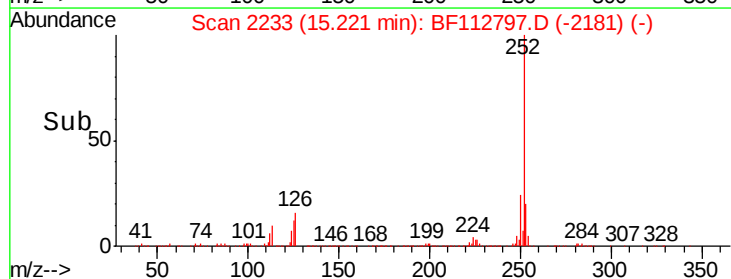
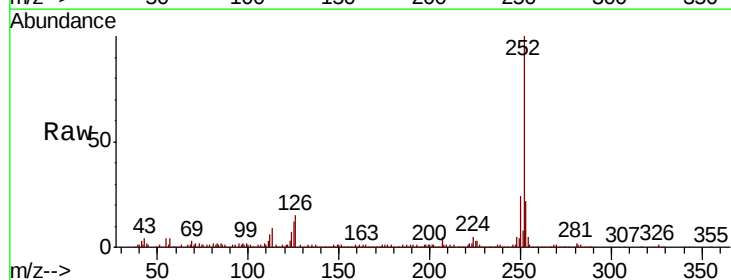
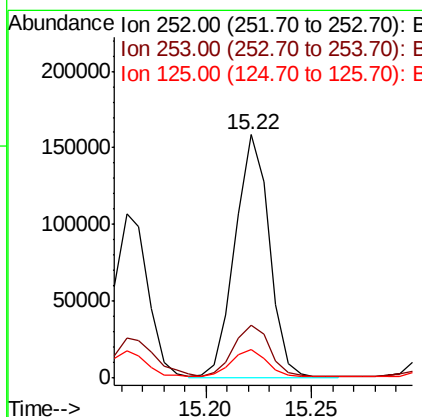
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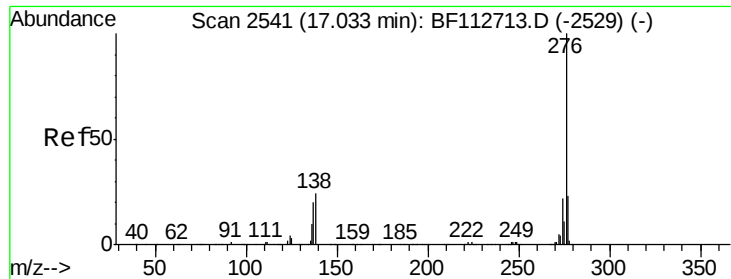
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#90
Benzo(a)pyrene
Concen: 9.835 ng
RT: 15.22 min Scan# 2233
Delta R.T. 0.01 min
Lab File: BF112797.D
Acq: 1 Mar 2019 14:04

Tgt Ion:	252	Resp:	176265
Ion Ratio	Lower	Upper	
252	100		
253	21.9	18.0	27.0
125	11.5	10.7	16.1





#92
 Benzo(a,h,i)perylene
 Concen: 5.728 ng
 RT: 17.04 min Scan# 2543
 Delta R.T. 0.01 min
 Lab File: BF112797.D
 Acq: 1 Mar 2019 14:04

Instrument :
 BNA_F
 ClientSampleId :
 COMP-DAY-2

Tot Ion:	276	Resp:	87957
Ion Ratio	Lower	Upper	
276	100		
277	22.8	18.6	27.8
138	21.9	19.4	29.0

Manual Integrations
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