

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090518\
 Data File : BF108794.D
 Acq On : 6 Sep 2018 00:22
 Operator : JU/SJ
 Sample : J4791-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-VST

Manual Integrations
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Quant Time: Sep 06 07:09:01 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF090518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 05 18:03:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	250669	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	851809	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	335717	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	603507	20.00	ng	0.00
75) Chrysene-d12	13.87	240	563851	20.00	ng	0.00
86) Perylene-d12	15.27	264	435702	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	1249505	82.58	ng	0.00
7) Phenol-d6	6.37	99	1543034	79.26	ng	0.00
23) Nitrobenzene-d5	7.30	82	889349	65.34	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	265045	82.70	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	1492025	75.82	ng	0.00
78) Terphenyl-d14	12.82	244	1406684	58.18	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.48	163	541055	23.042	ng	Qvalue 100
57) Fluorene	10.31	166	38737	2.148	ng	94
70) Phenanthrene	11.27	178	435251	15.102	ng	99
71) Anthracene	11.31	178	122183	4.428	ng	98
73) Di-n-butylphthalate	11.81	149	262422	8.132	ng	99
74) Fluoranthene	12.45	202	688395	24.125	ng	98
77) Pyrene	12.67	202	615994	14.198	ng	98
80) Benzo(a)anthracene	13.85	228	348581	9.645	ng	96
82) Chrysene	13.89	228	287723	8.224	ng	96
85) Indeno(1,2,3-cd)pyrene	16.61	276	103928	3.356	ng	94
87) Benzo(b)fluoranthene	14.87	252	299600m	12.646	ng	
88) Benzo(k)fluoranthene	14.89	252	81340m	3.728	ng	
89) Benzo(a)pyrene	15.21	252	192380	8.999	ng	95
91) Benzo(a,h,i)perylene	17.02	276	92195	4.888	ng	94

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

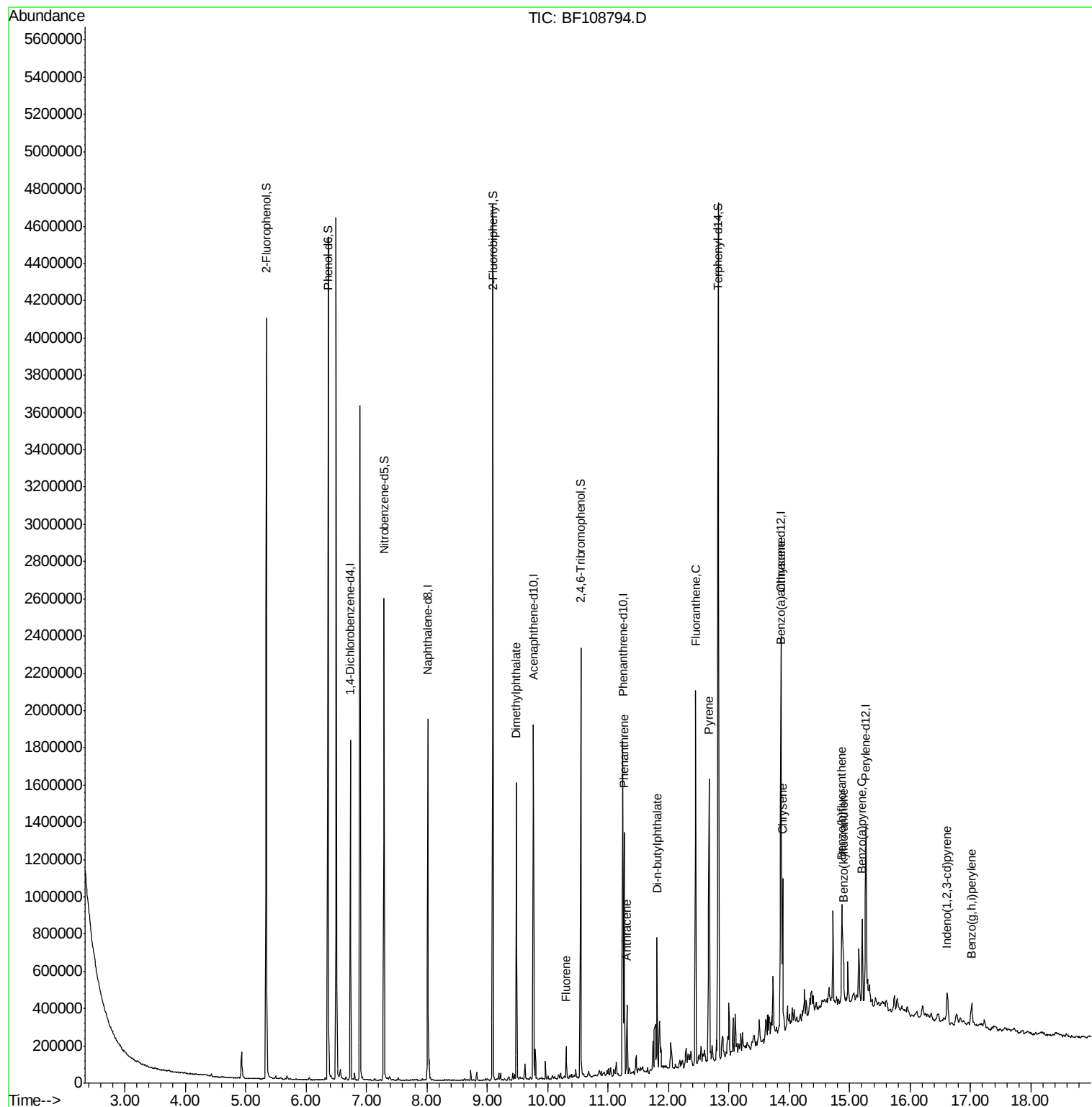
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090518\
Data File : BF108794.D
Acq On : 6 Sep 2018 00:22
Operator : JU/SJ
Sample : J4791-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

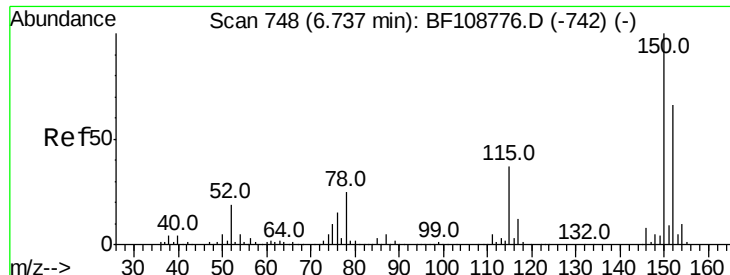
Instrument :
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Quant Time: Sep 06 07:09:01 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF090518.M
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#1

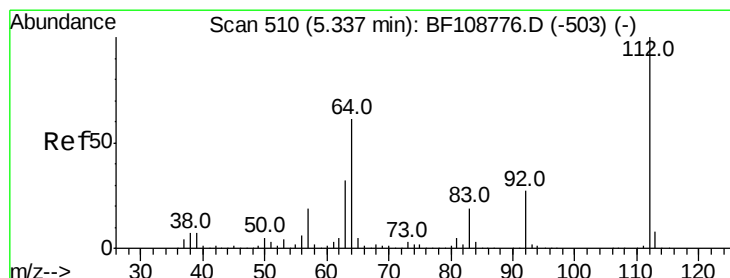
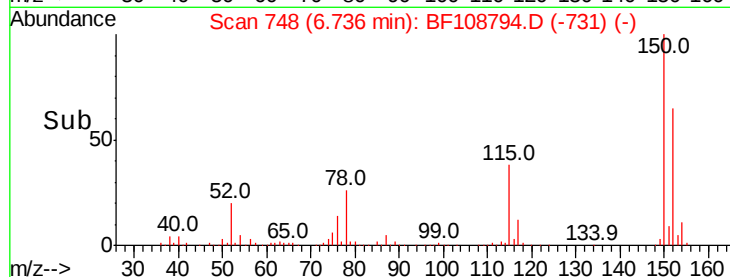
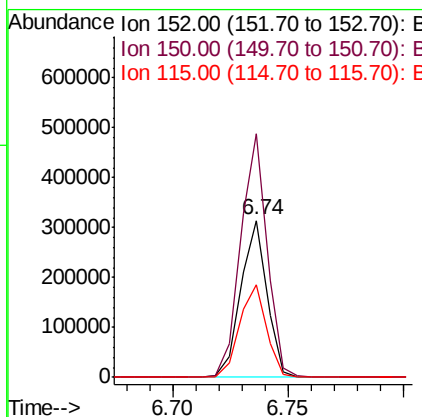
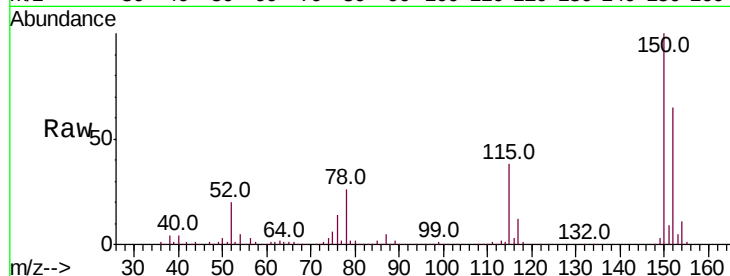
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 748
Delta R.T. -0.00 min
Lab File: BF108794.D
Acq: 6 Sep 2018 00:22

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-VST

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.0	124.6	186.8
115	59.1	50.1	75.1

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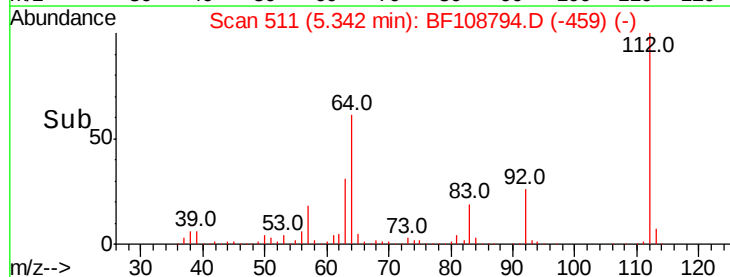
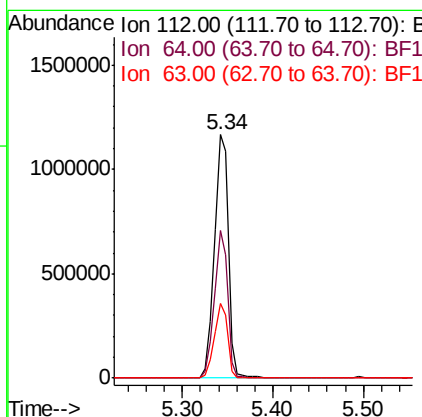
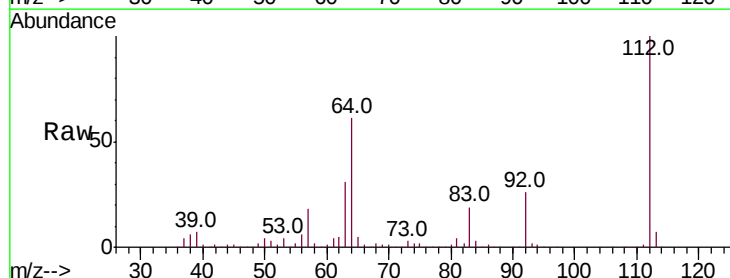
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#5

2-Fluorophenol
Concen: 82.580 ng
RT: 5.34 min Scan# 511
Delta R.T. 0.01 min
Lab File: BF108794.D
Acq: 6 Sep 2018 00:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.8	47.9	71.9
63	30.9	23.7	35.5





#7

Phenol-d6

Concen: 79.259 ng

RT: 6.37 min Scan# 685

Delta R.T. -0.00 min

Lab File: BF108794.D

Acq: 6 Sep 2018 00:22

Instrument :

BNA_F

ClientSampleId :

DOCUMENTATION-VST

Tot Ion: 99 Resp: 1543034

Ion Ratio Lower Upper

99 100

42 19.3 14.5 21.7

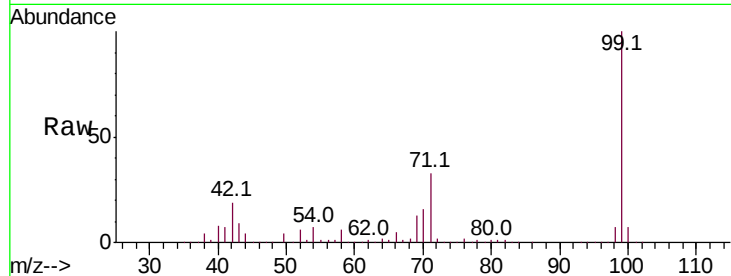
71 33.5 25.4 38.0

Manual Integrations

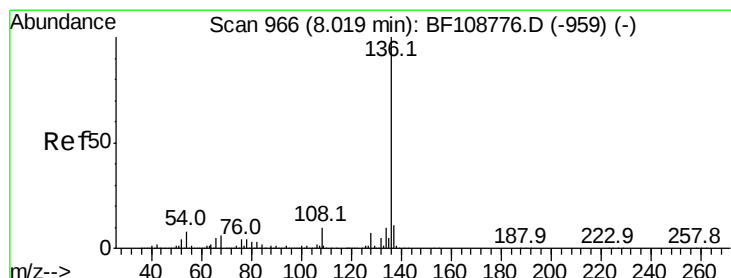
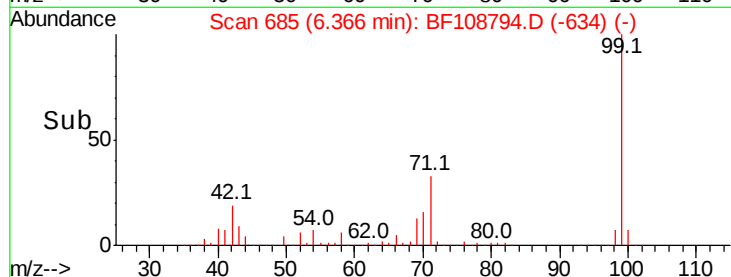
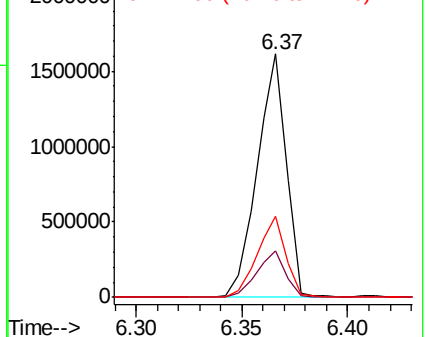
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.01 min Scan# 965

Delta R.T. -0.01 min

Lab File: BF108794.D

Acq: 6 Sep 2018 00:22

Tgt Ion: 136 Resp: 851809

Ion Ratio Lower Upper

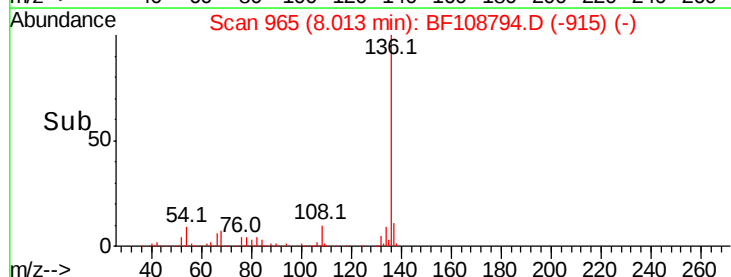
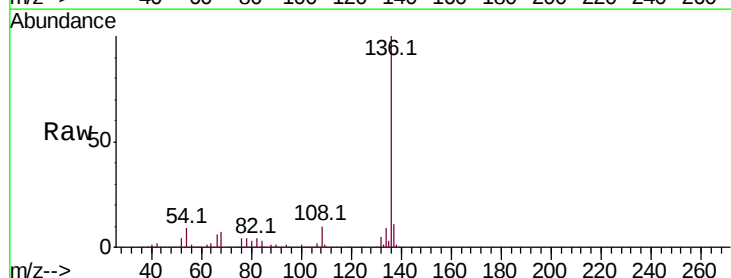
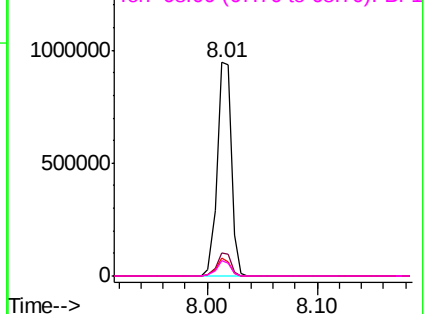
136 100

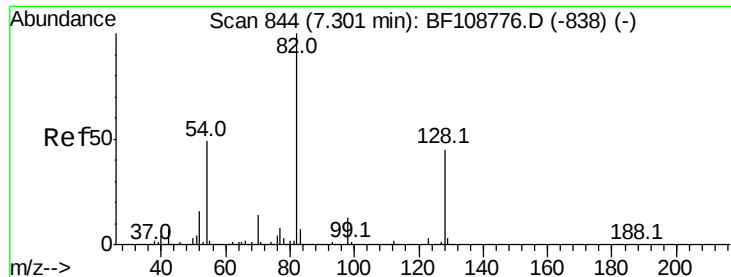
137 11.1 8.9 13.3

54 8.6 6.6 9.8

68 7.3 5.0 7.4

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





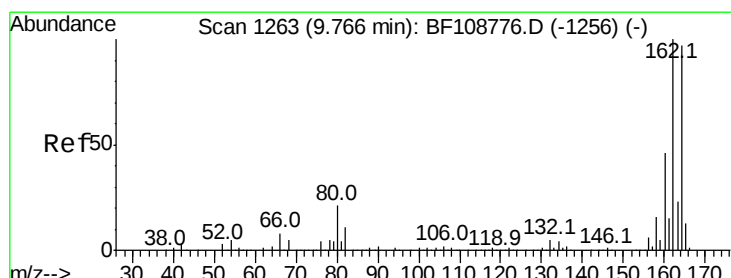
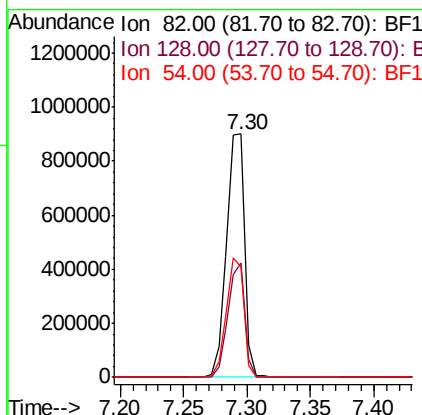
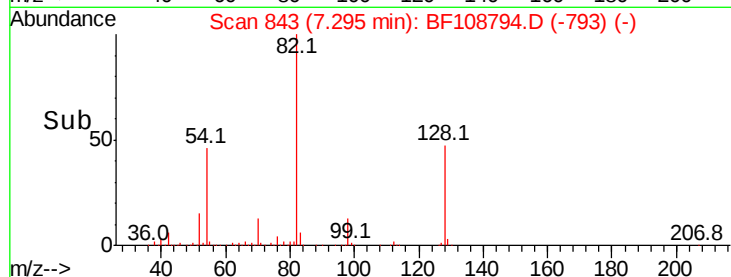
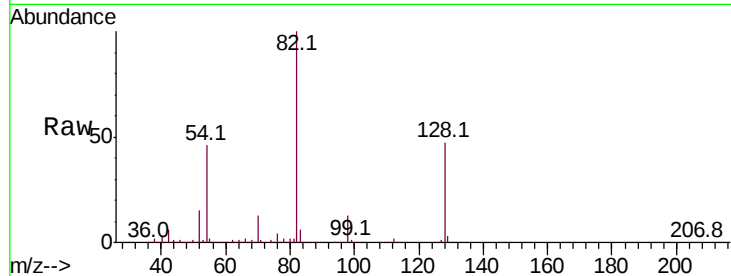
#23
 Nitrobenzene-d5
 Concen: 65.339 ng
 RT: 7.30 min Scan# 843
 Delta R.T. -0.01 min
 Lab File: BF108794.D
 Acq: 6 Sep 2018 00:22

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-VST

Tot Ion:	82	Resp:	889349
Ion Ratio	Lower	Upper	
82	100		
128	46.9	36.1	54.1
54	45.5	41.4	62.2

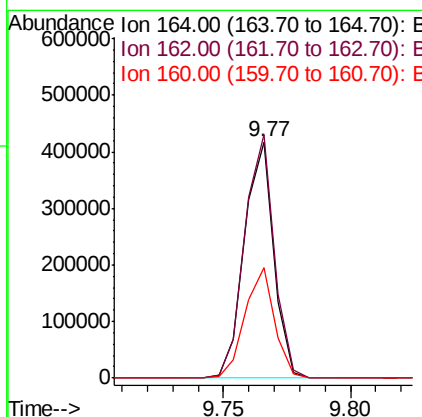
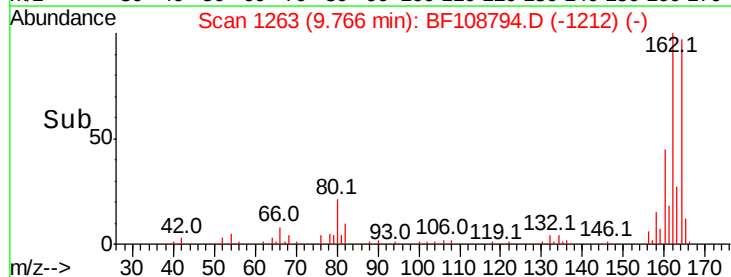
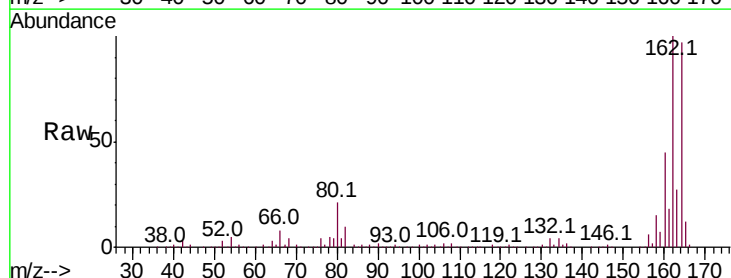
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.77 min Scan# 1263
 Delta R.T. -0.00 min
 Lab File: BF108794.D
 Acq: 6 Sep 2018 00:22

Tgt Ion:	164	Resp:	335717
Ion Ratio	Lower	Upper	
164	100		
162	103.0	86.1	129.1
160	46.8	38.3	57.5





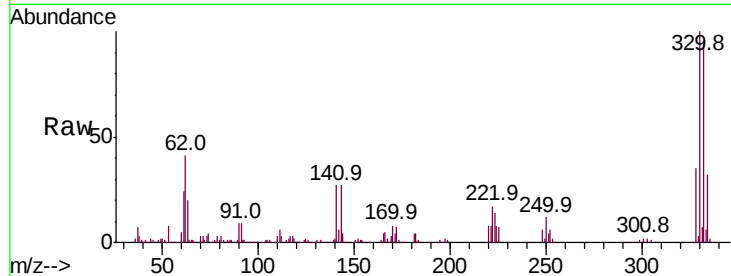
#41
 2,4,6-Tribromophenol
 Concen: 82.699 ng
 RT: 10.55 min Scan# 1396
 Delta R.T. -0.01 min
 Lab File: BF108794.D
 Acq: 6 Sep 2018 00:22

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-VST

Tot Ion	Ratio	Resp	Lower	Upper
330	100	265045		
332	96.1	77.0	115.6	
141	33.6	29.9	44.9	

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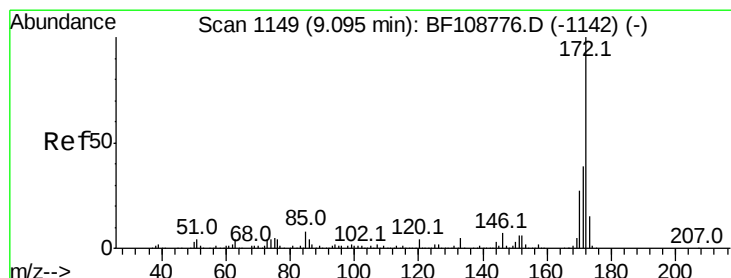
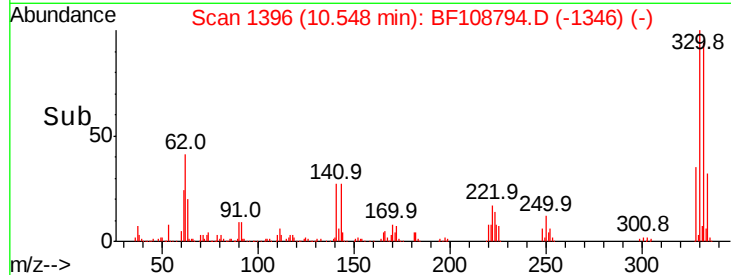
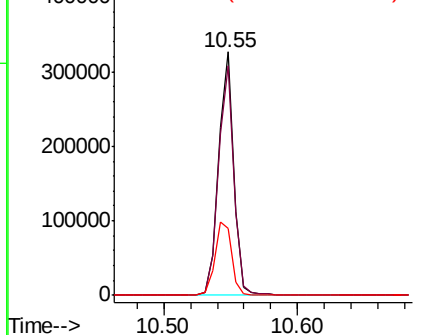


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 75.819 ng
 RT: 9.10 min Scan# 1149
 Delta R.T. -0.00 min
 Lab File: BF108794.D
 Acq: 6 Sep 2018 00:22

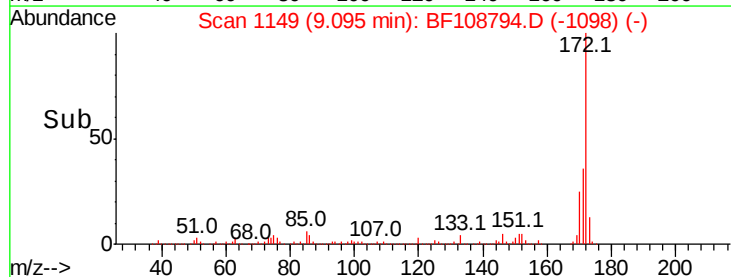
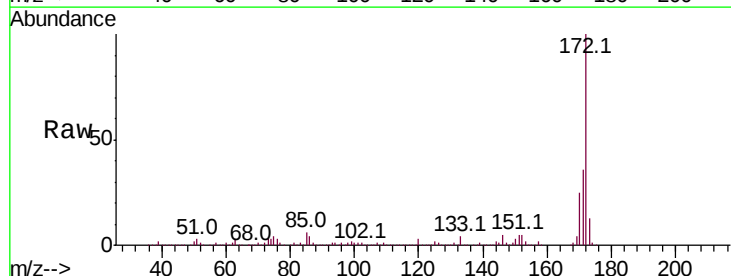
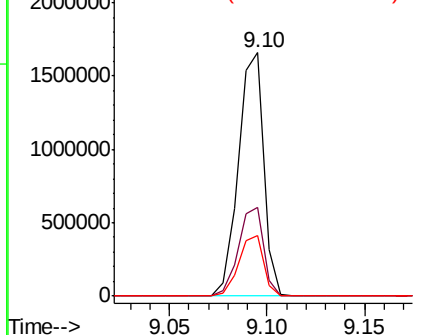
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1492025		
171	36.2	29.7	44.5	
170	24.7	19.6	29.4	

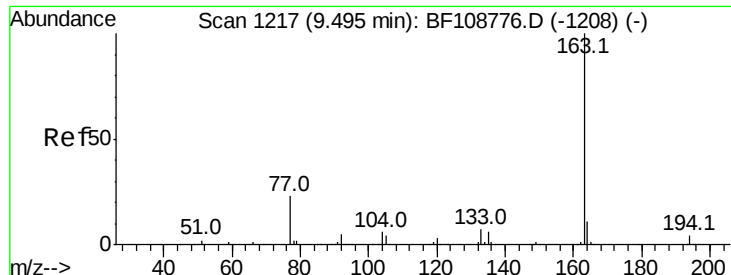
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





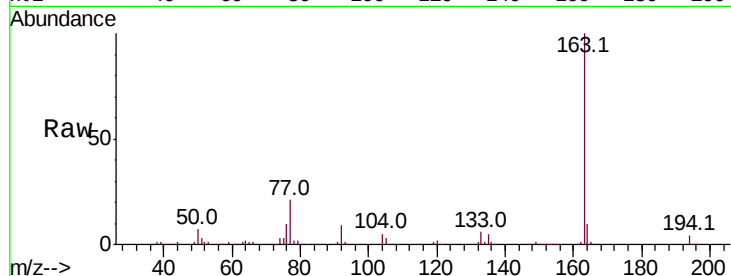
#49
Dimethylphthalate
Concen: 23.042 ng
RT: 9.48 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF108794.D
Acq: 6 Sep 2018 00:22

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-VST

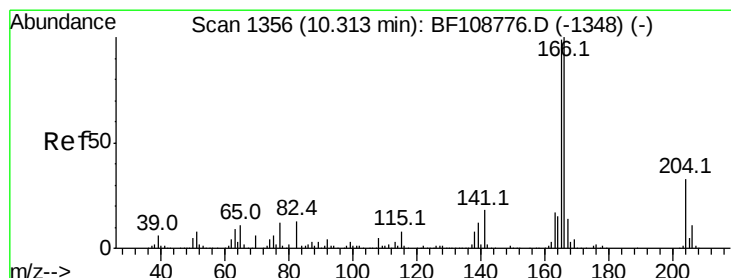
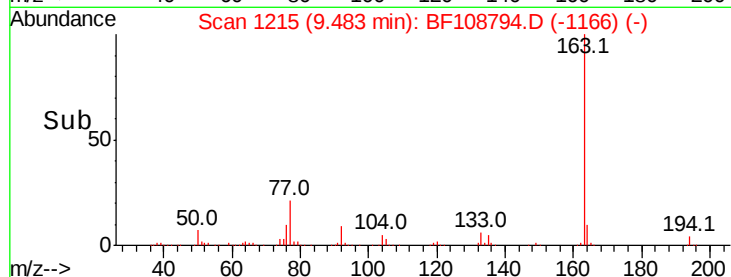
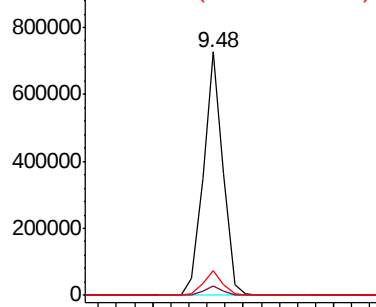
Tot Ion:	163	Resp:	541055
Ion Ratio	Lower	Upper	
163	100		
194	3.8	2.7	4.1
164	10.3	8.2	12.2

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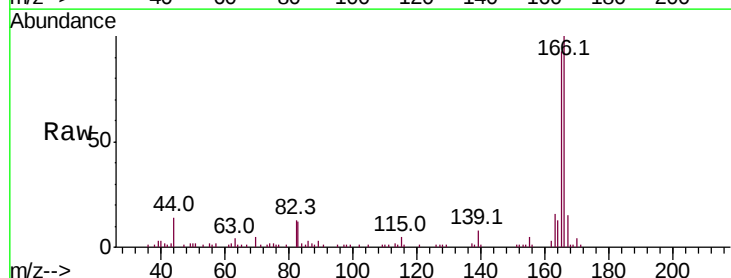


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

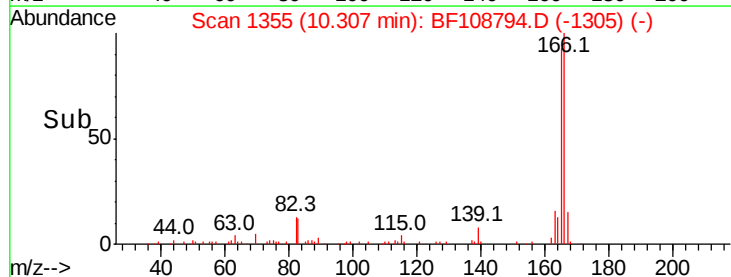
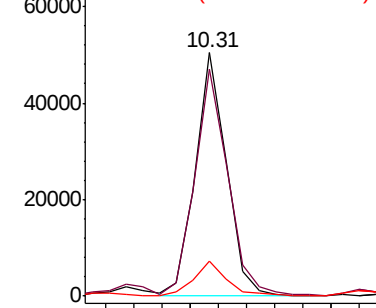


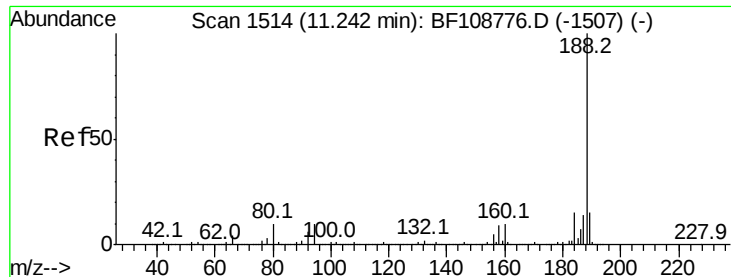
#57
Fluorene
Concen: 2.148 ng
RT: 10.31 min Scan# 1355
Delta R.T. -0.01 min
Lab File: BF108794.D
Acq: 6 Sep 2018 00:22

Tgt Ion:	166	Resp:	38737
Ion Ratio	Lower	Upper	
166	100		
165	93.5	79.8	119.8
167	14.6	10.6	16.0



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





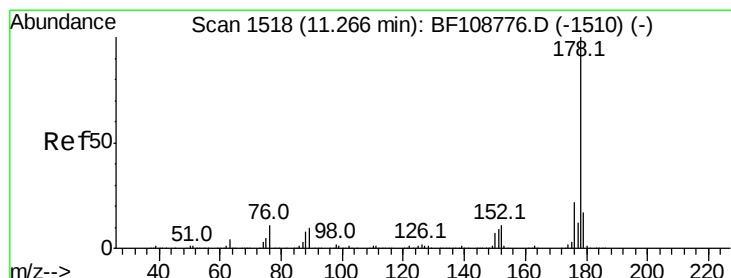
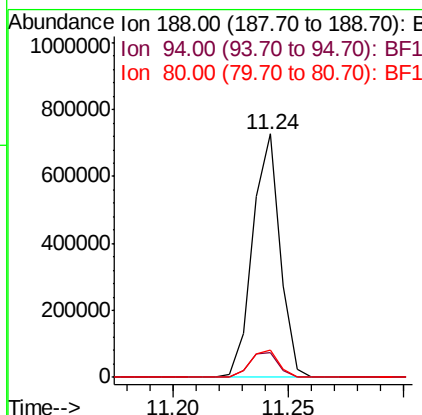
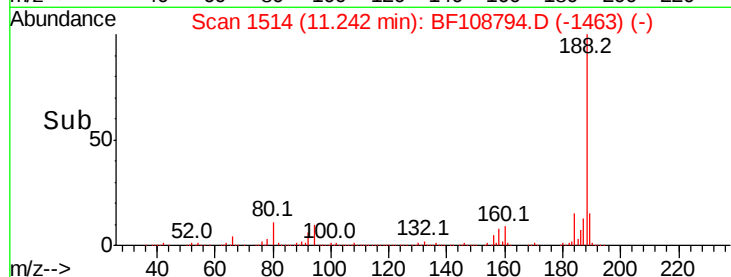
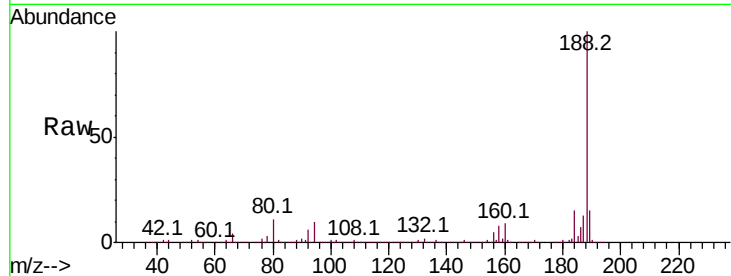
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1514
Delta R.T. -0.00 min
Lab File: BF108794.D
Acq: 6 Sep 2018 00:22

Instrument :
BNA_F
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DOCUMENTATION-VST

Tot Ion	Ratio	Resp	Lower	Upper
188	100	603507		
94	10.4		8.5	12.7
80	11.0		9.2	13.8

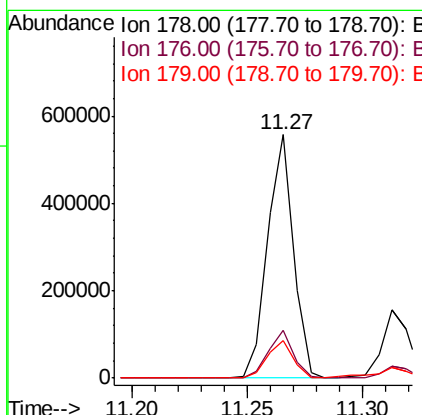
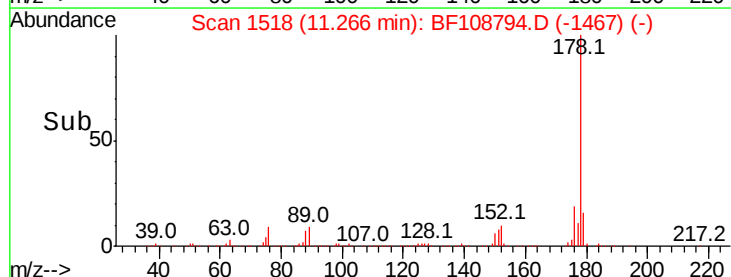
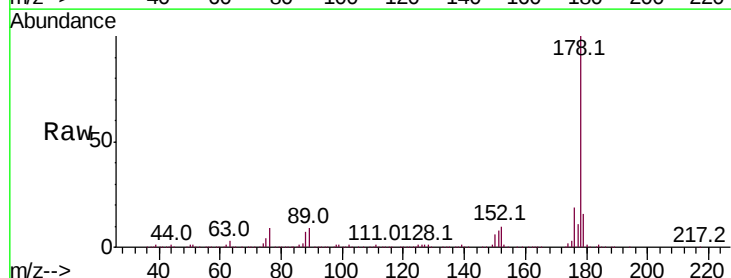
Manual Integrations
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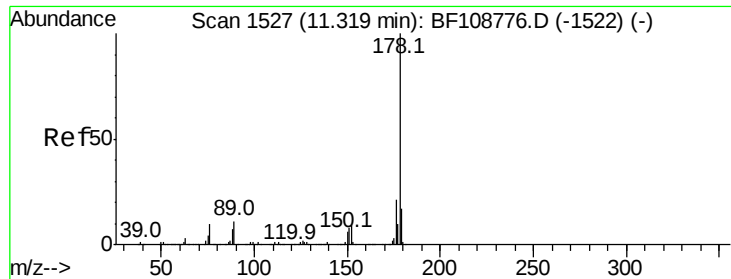
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#70
Phenanthrene
Concen: 15.102 ng
RT: 11.27 min Scan# 1518
Delta R.T. -0.00 min
Lab File: BF108794.D
Acq: 6 Sep 2018 00:22

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	435251		
176	19.4		15.8	23.8
179	15.7		13.0	19.6





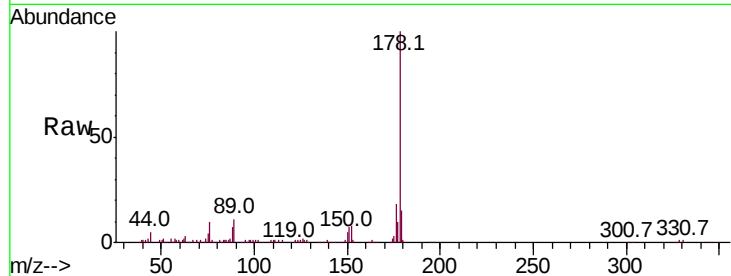
#71
 Anthracene
 Concen: 4.428 ng
 RT: 11.31 min Scan# 1526
 Delta R.T. -0.01 min
 Lab File: BF108794.D
 Acq: 6 Sep 2018 00:22

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-VST

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.4	23.2
179	15.0	12.6	19.0

Manual Integrations
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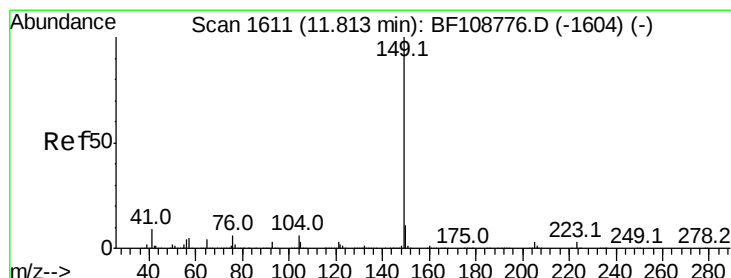
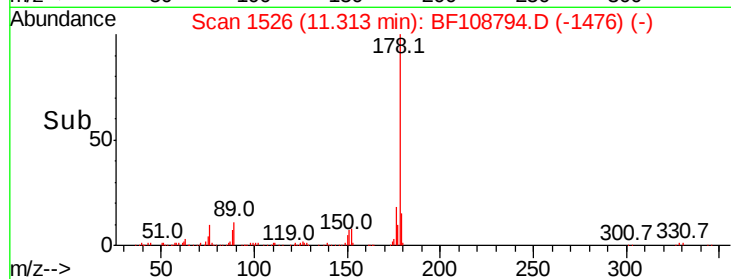
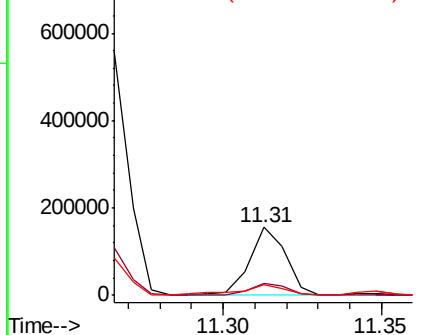


Abundance

Ion 178.00 (177.70 to 178.70): E

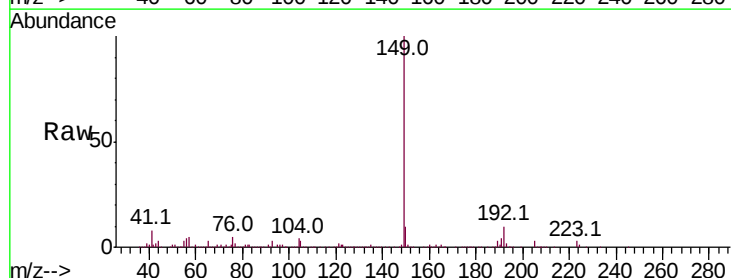
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#73
 Di-n-butylphthalate
 Concen: 8.132 ng
 RT: 11.81 min Scan# 1611
 Delta R.T. -0.00 min
 Lab File: BF108794.D
 Acq: 6 Sep 2018 00:22

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.6	7.8	11.6
104	4.4	3.8	5.8

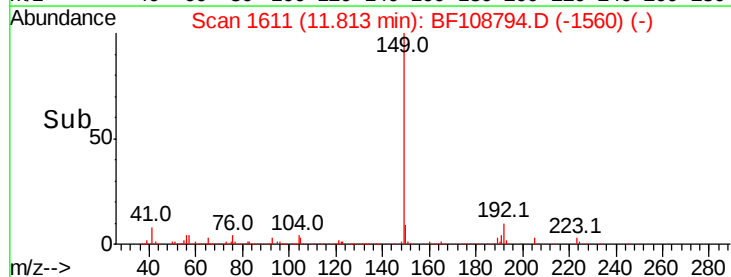
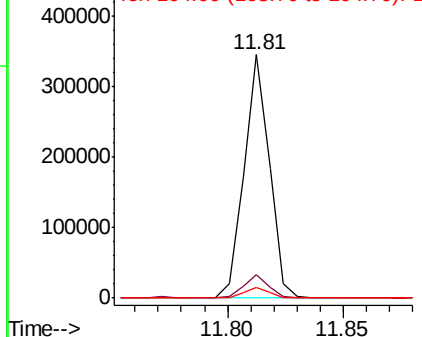


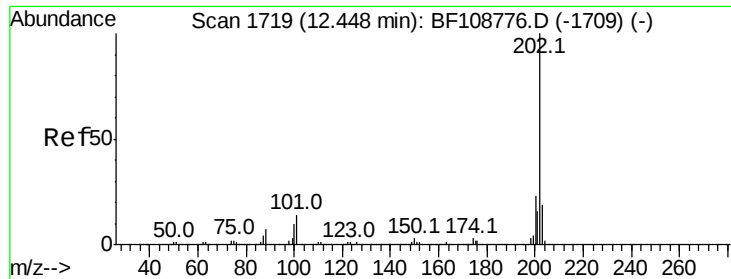
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 24.125 ng

RT: 12.45 min Scan# 1719

Delta R.T. -0.00 min

Lab File: BF108794.D

Acq: 6 Sep 2018 00:22

Instrument :

BNA_F

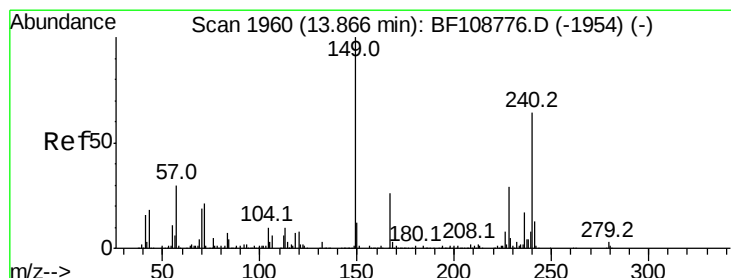
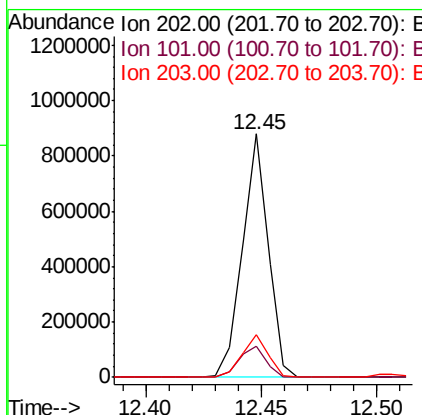
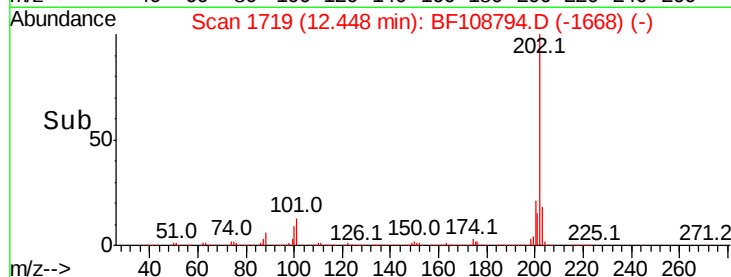
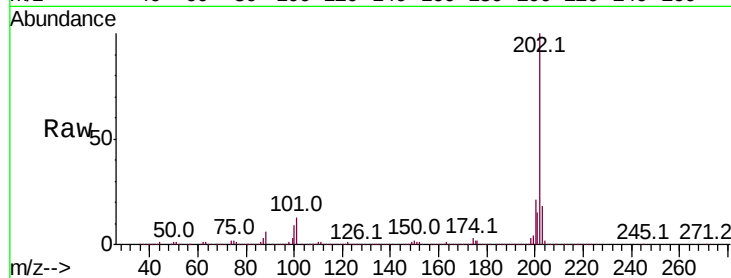
ClientSampleId :

DOCUMENTATION-VST

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.8	0.0	34.1
203	17.8	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

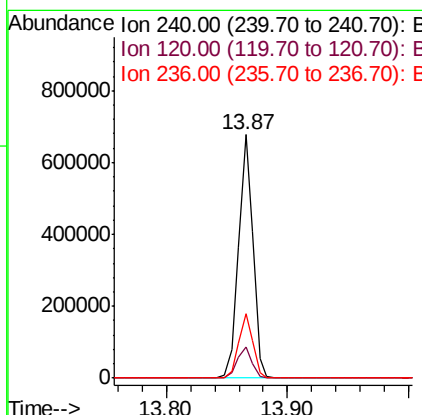
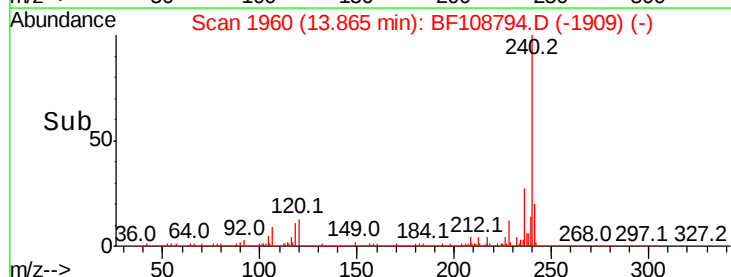
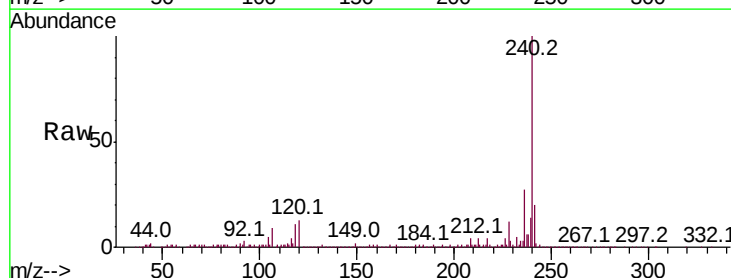
RT: 13.87 min Scan# 1960

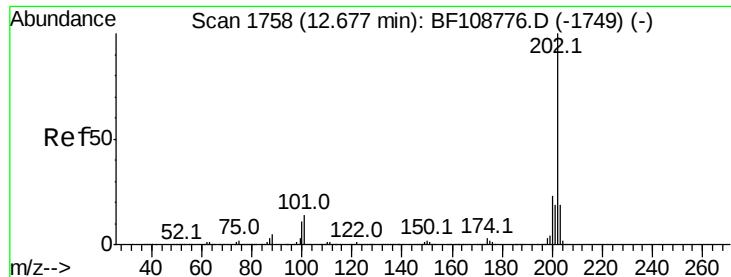
Delta R.T. -0.00 min

Lab File: BF108794.D

Acq: 6 Sep 2018 00:22

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	13.0	9.5	14.3
236	26.7	20.7	31.1





#77

Pvrene

Concen: 14.198 ng

RT: 12.67 min Scan# 1757

Delta R.T. -0.01 min

Lab File: BF108794.D

Acq: 6 Sep 2018 00:22

Instrument :

BNA_F

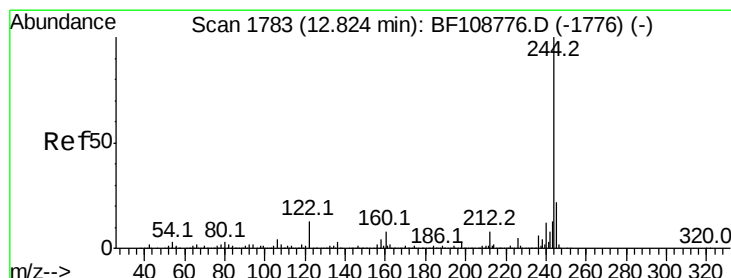
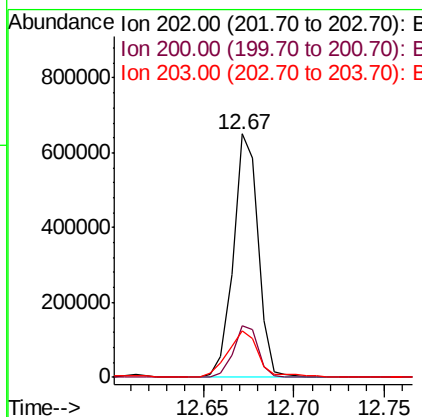
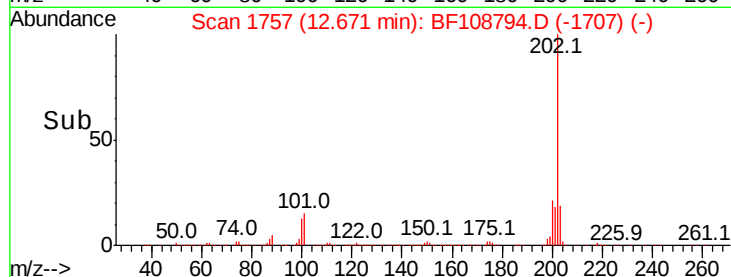
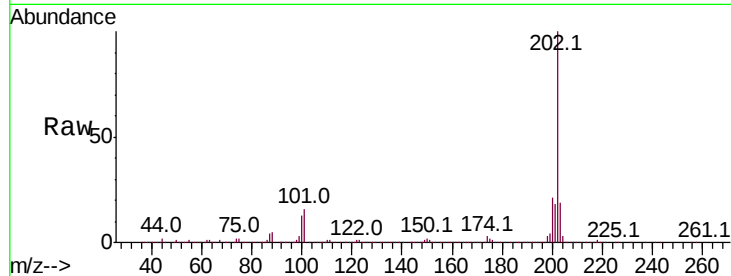
ClientSampleId :

DOCUMENTATION-VST

Tot Ion:	202	Resp:	615994
Ion Ratio	Lower	Upper	
202	100		
200	21.1	17.4	26.2
203	18.8	14.3	21.5

Manual Integrations
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#78

Terphenyl-d14

Concen: 58.176 ng

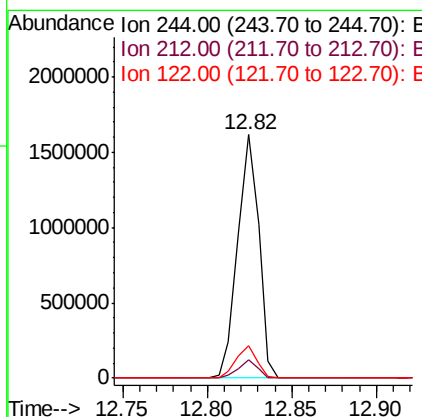
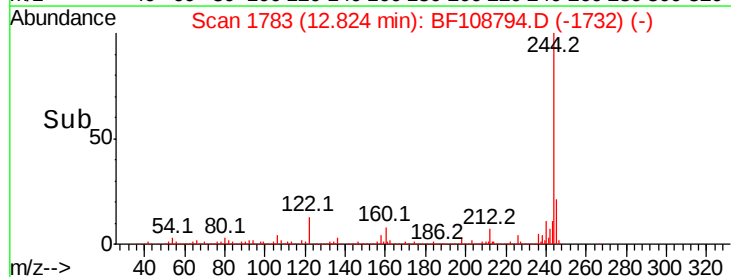
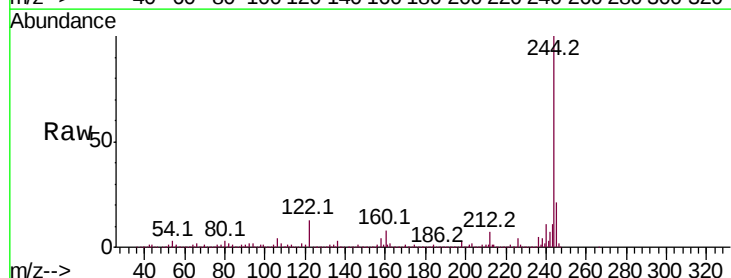
RT: 12.82 min Scan# 1783

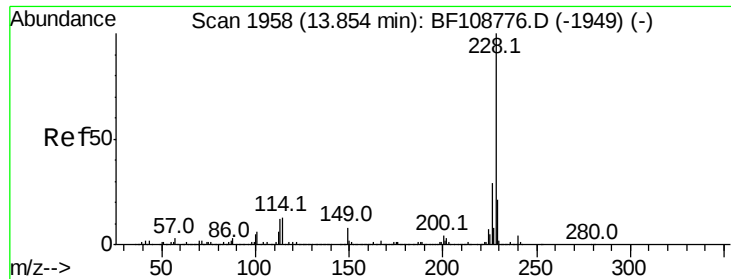
Delta R.T. 0.00 min

Lab File: BF108794.D

Acq: 6 Sep 2018 00:22

Tgt Ion:	244	Resp:	1406684
Ion Ratio	Lower	Upper	
244	100		
212	7.3	5.4	8.0
122	13.4	11.0	16.4





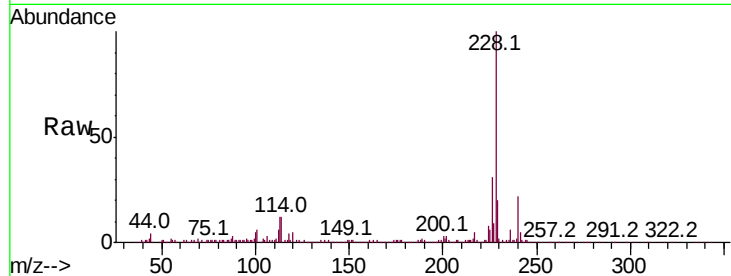
#80
Benzo(a)anthracene
Concen: 9.645 ng
RT: 13.85 min Scan# 1958
Delta R.T. -0.00 min
Lab File: BF108794.D
Acq: 6 Sep 2018 00:22

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-VST

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.0	22.6	33.8
229	20.3	15.8	23.6

Manual Integrations
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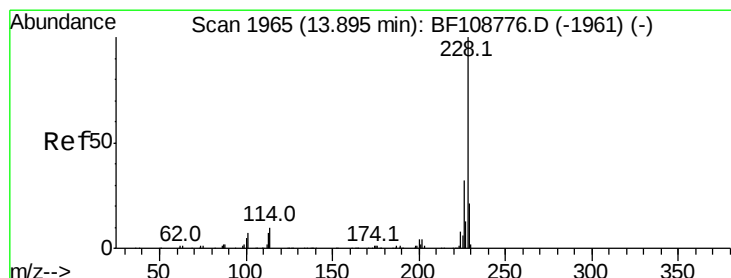
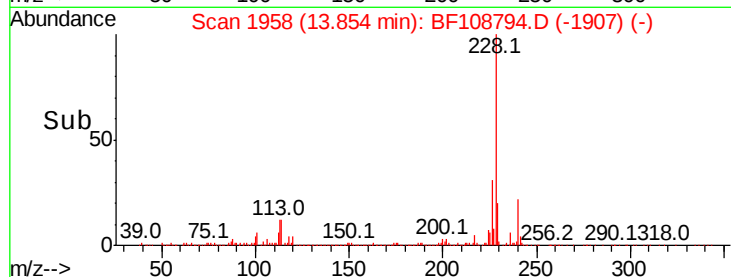
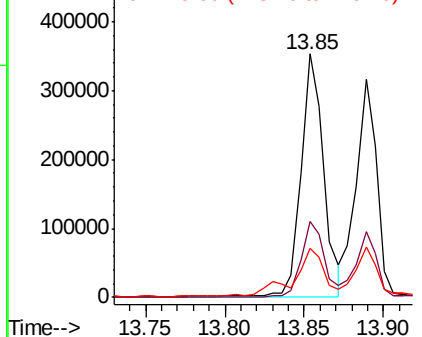


Abundance

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



#82
Chrysene
Concen: 8.224 ng
RT: 13.89 min Scan# 1964
Delta R.T. -0.01 min
Lab File: BF108794.D
Acq: 6 Sep 2018 00:22

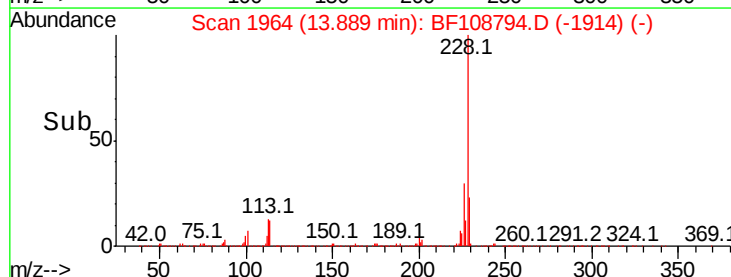
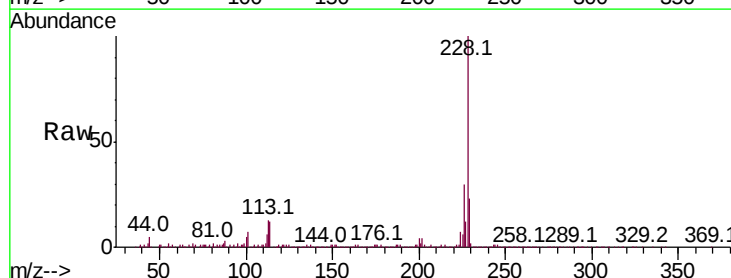
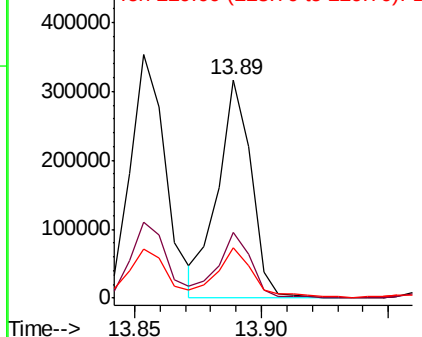
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.0	37.6
229	23.1	16.2	24.4

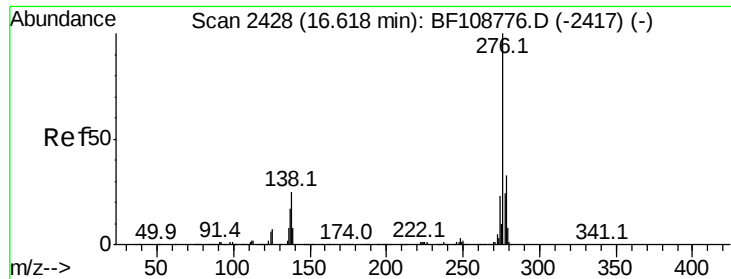
Abundance

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





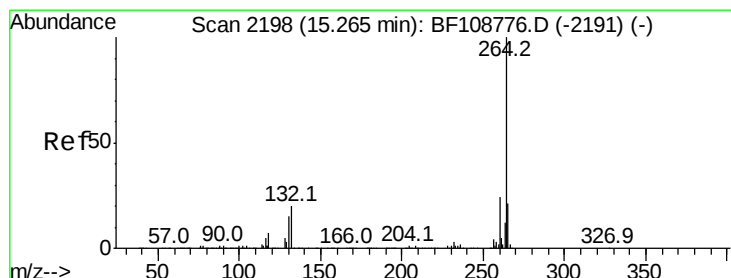
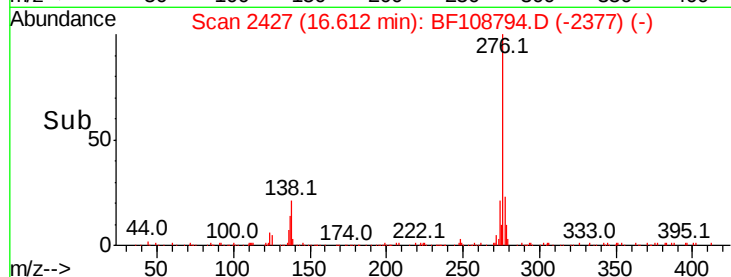
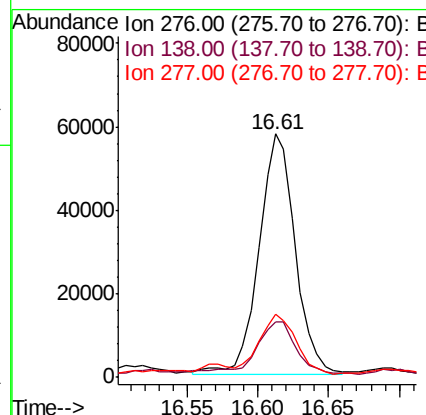
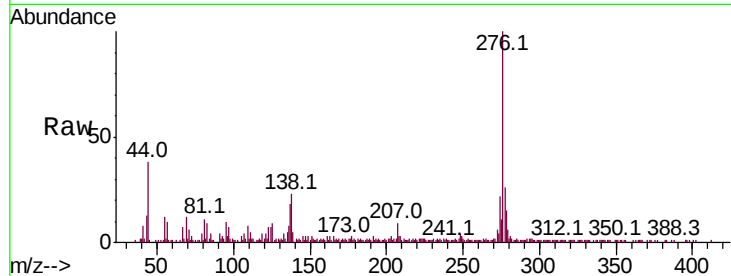
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.356 ng
 RT: 16.61 min Scan# 2427
 Delta R.T. -0.01 min
 Lab File: BF108794.D
 Acq: 6 Sep 2018 00:22

Instrument :
 BNA_F
 ClientSampleId :
 DOCUMENTATION-VST

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.5	25.0	37.6
277	25.2	20.1	30.1

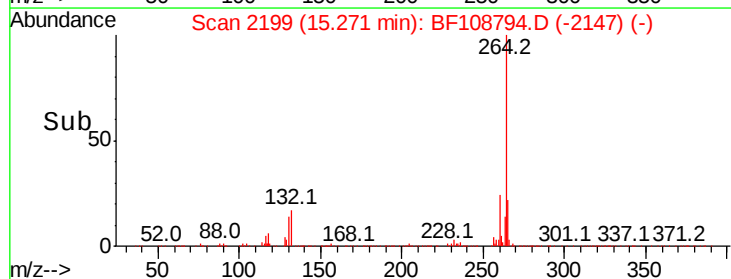
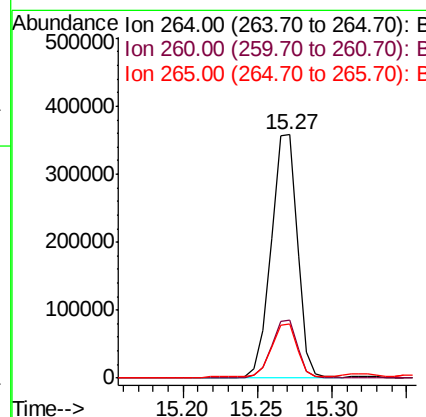
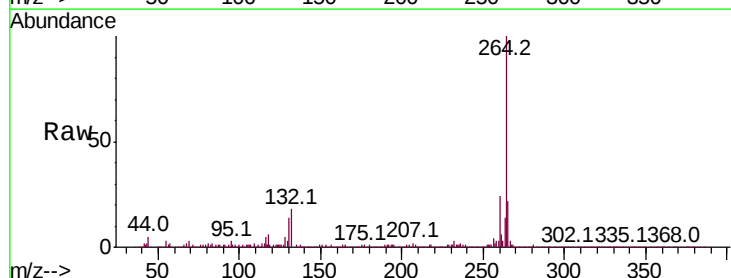
Manual Integrations
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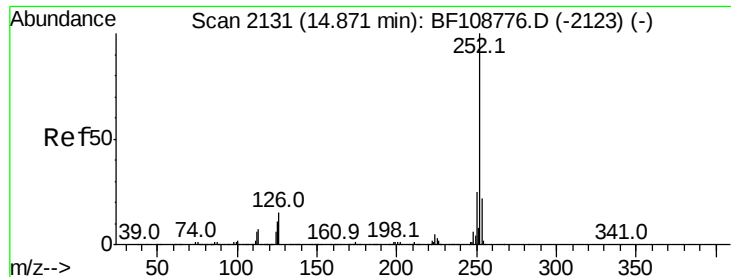
Sohil
 9/6/2018 4:45:09 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.27 min Scan# 2199
 Delta R.T. 0.01 min
 Lab File: BF108794.D
 Acq: 6 Sep 2018 00:22

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	22.5	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 12.646 ng m

RT: 14.87 min Scan# 2131

Delta R.T. -0.00 min

Lab File: BF108794.D

Acq: 6 Sep 2018 00:22

Instrument :

BNA_F

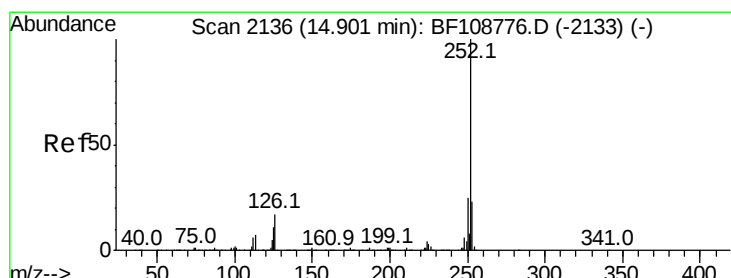
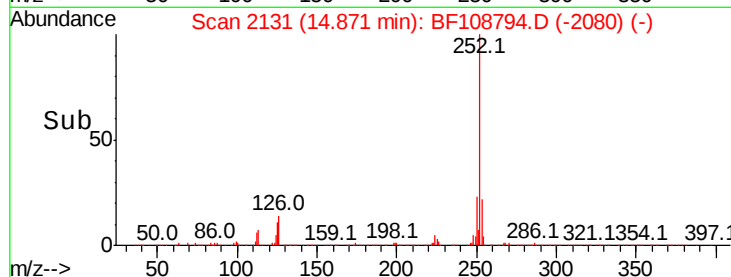
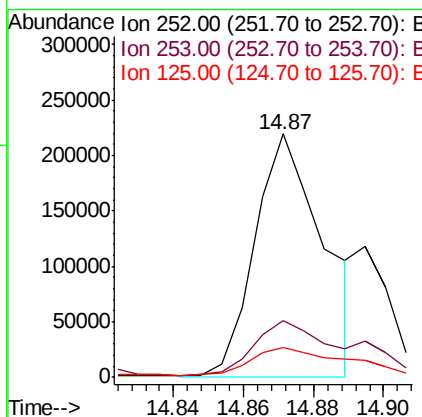
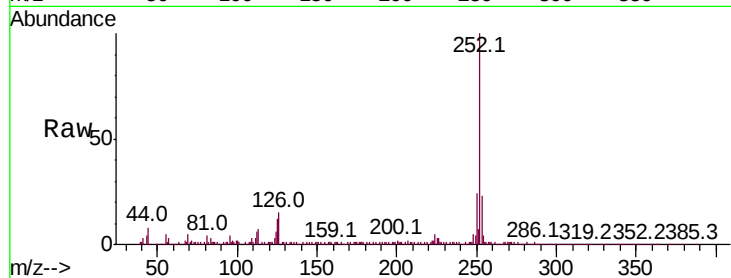
ClientSampleId :

DOCUMENTATION-VST

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.0	25.6
125	12.1	9.0	13.6

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 3.728 ng m

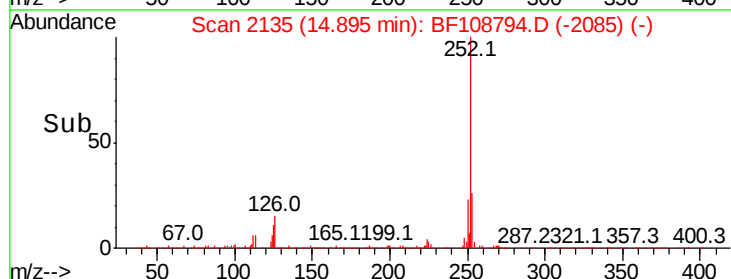
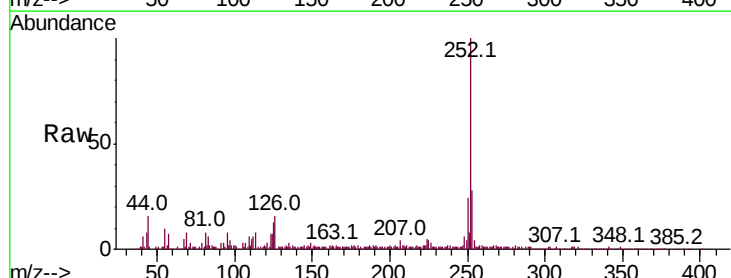
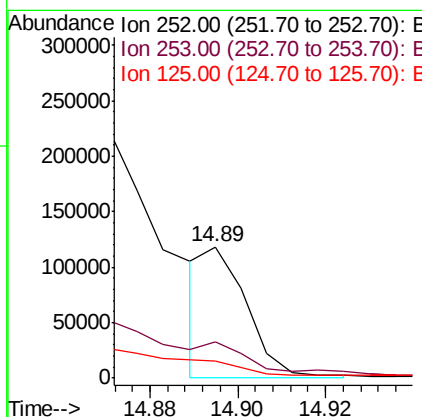
RT: 14.89 min Scan# 2135

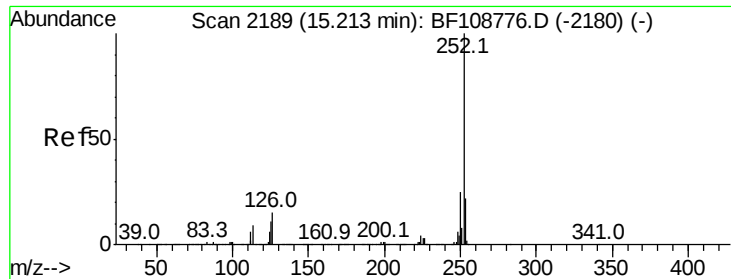
Delta R.T. -0.01 min

Lab File: BF108794.D

Acq: 6 Sep 2018 00:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.5	17.9	26.9#
125	12.7	10.2	15.2





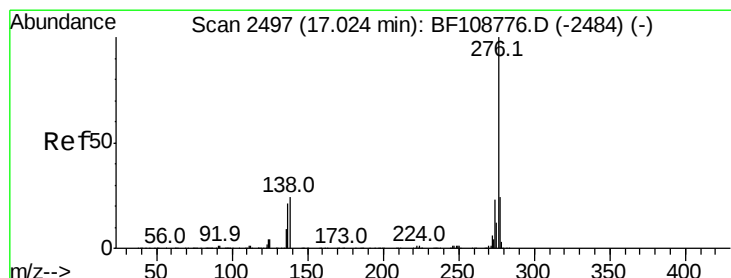
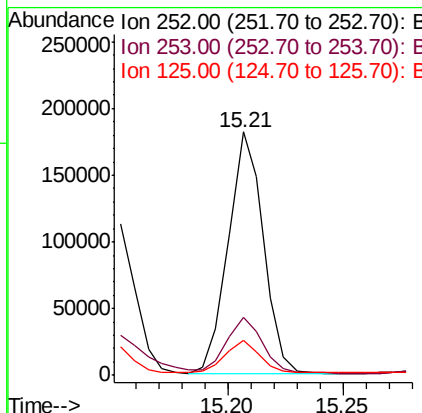
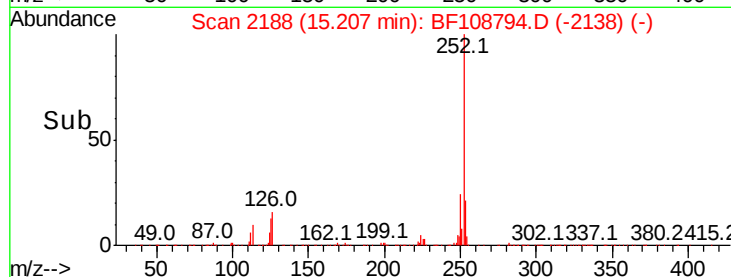
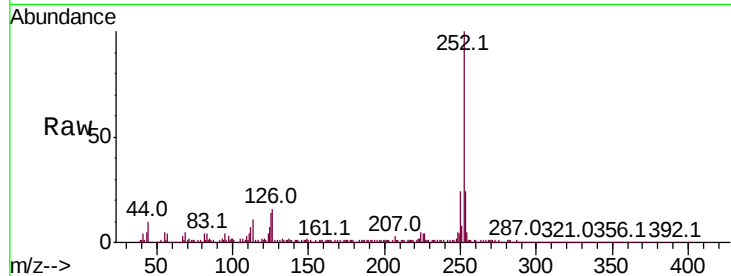
#89
Benzo(a)pyrene
Concen: 8.999 ng
RT: 15.21 min Scan# 2188
Delta R.T. -0.01 min
Lab File: BF108794.D
Acq: 6 Sep 2018 00:22

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-VST

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.7	17.1	25.7
125	14.2	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 4.888 ng
RT: 17.02 min Scan# 2496
Delta R.T. -0.01 min
Lab File: BF108794.D
Acq: 6 Sep 2018 00:22

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	25.3	17.9	26.9
138	24.4	21.8	32.8

