

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030419\
 Data File : BF112828.D
 Acq On : 4 Mar 2019 17:01
 Operator : JU/SJ
 Sample : K1712-05 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 Z-4-2-AB

Manual Integrations
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 3/6/2019 9:28:16 AM

Quant Time: Mar 05 01:34:00 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	6.75	152	147594	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	518255	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	219180	20.00	ng	0.00
64) Phenanthrene-d10	11.26	188	442301	20.00	ng	0.01
76) Chrysene-d12	13.89	240	439855	20.00	ng	0.01
87) Perylene-d12	15.30	264	321397	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	481150	50.71	ng	0.00
7) Phenol-d6	6.37	99	611146	51.28	ng	0.00
23) Nitrobenzene-d5	7.30	82	343973	39.72	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	145980	62.74	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	609263	39.91	ng	0.00
79) Terphenyl-d14	12.83	244	678399	29.90	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.49	163	39624	2.452	ng	99
71) Phenanthrene	11.28	178	507989	23.084	ng	98
72) Anthracene	11.33	178	108103	4.693	ng	97
73) Carbazole	11.48	167	51531	2.293	ng	99
75) Fluoranthene	12.46	202	914005	38.767	ng	97
78) Pyrene	12.69	202	858458	23.151	ng	99
81) Benzo(a)anthracene	13.87	228	469417	15.398	ng	99
83) Chrysene	13.91	228	418265	14.007	ng	96
86) Indeno(1,2,3-cd)pyrene	16.66	276	173150	6.802	ng	# 93
88) Benzo(b)fluoranthene	14.90	252	493133m	23.721	ng	
89) Benzo(k)fluoranthene	14.92	252	113999m	6.054	ng	
90) Benzo(a)pyrene	15.24	252	294569	16.020	ng	98
91) Dibenzo(a,h)anthracene	16.67	278	44409	2.830	ng	# 87
92) Benzo(g,h,i)perylene	17.07	276	165569	10.508	ng	96

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

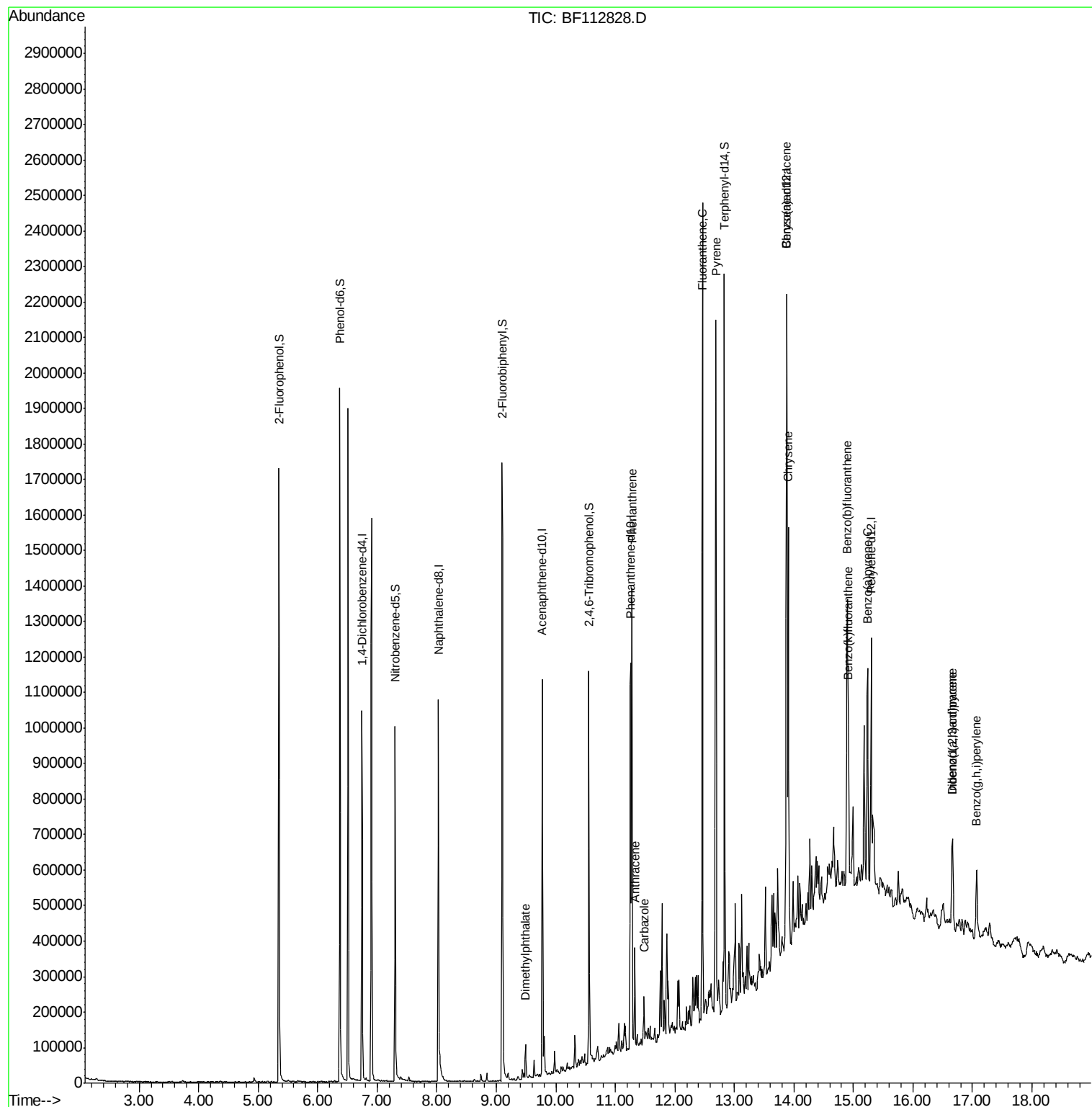
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030419\
Data File : BF112828.D
Acq On : 4 Mar 2019 17:01
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Sample : K1712-05 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

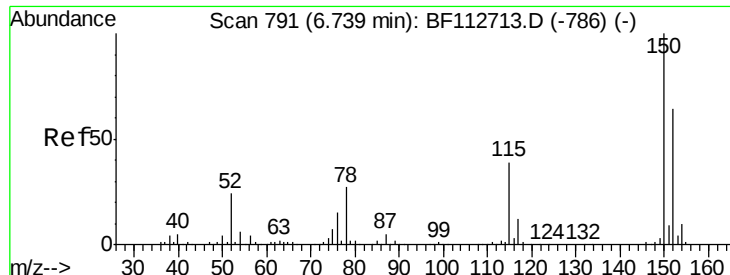
Instrument :
BNA_F
ClientSampled :
Z-4-2-AB

Quant Time: Mar 05 01:34:00 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

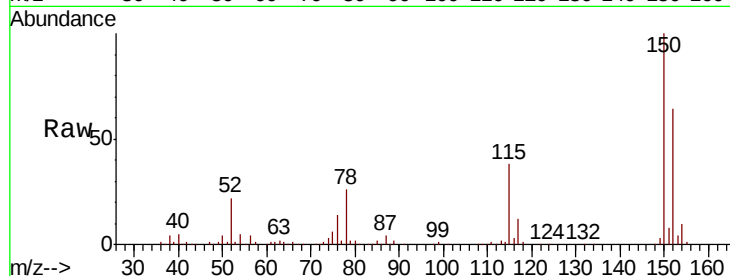
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 792
Delta R.T. 0.01 min
Lab File: BF112828.D
Acq: 4 Mar 2019 17:01

Instrument :
BNA_F
ClientSampleId :
Z-4-2-AB

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	124.2	186.2
115	59.8	48.2	72.4

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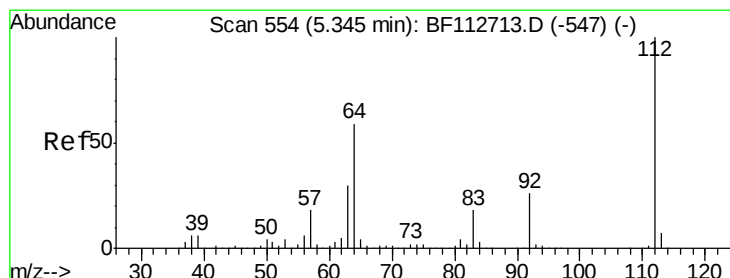
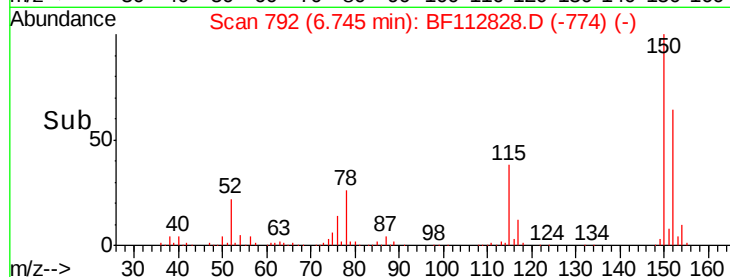
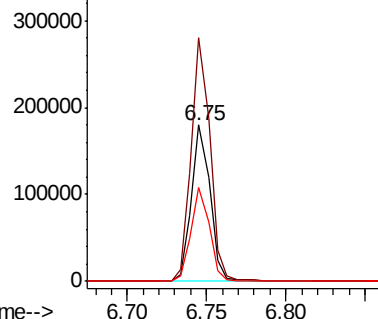


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

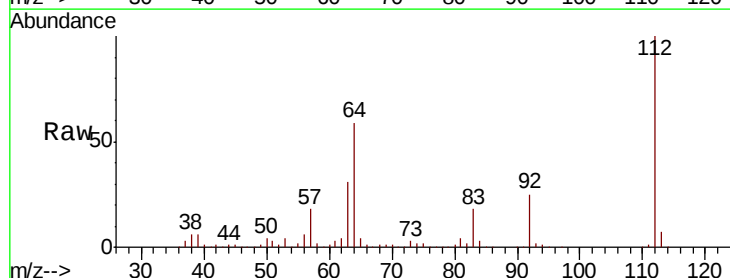
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 50.710 ng
RT: 5.35 min Scan# 555
Delta R.T. 0.01 min
Lab File: BF112828.D
Acq: 4 Mar 2019 17:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.0	47.6	71.4
63	30.8	24.4	36.6

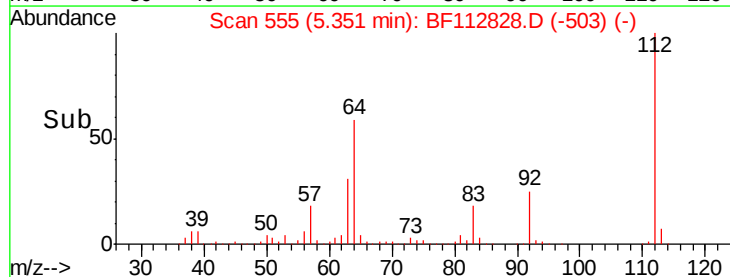
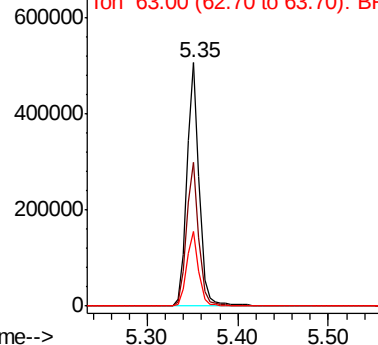


Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 51.276 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.01 min

Lab File: BF112828.D

Acq: 4 Mar 2019 17:01

Instrument :

BNA_F

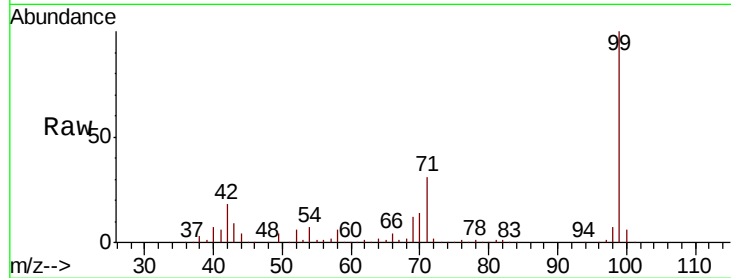
ClientSampled :

Z-4-2-AB

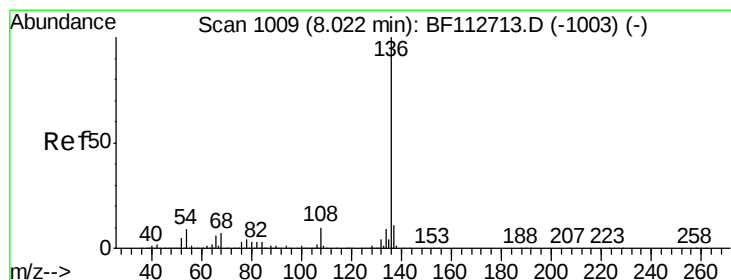
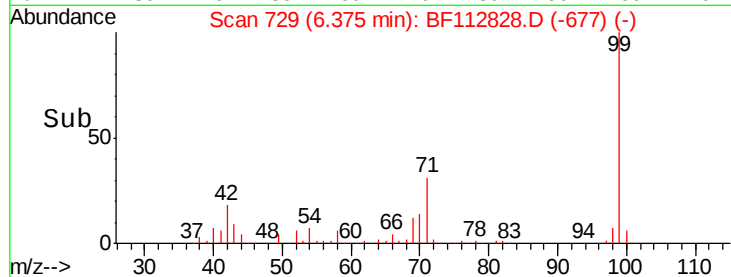
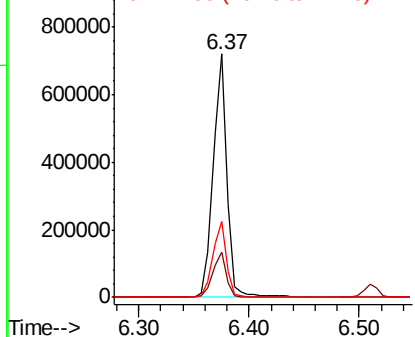
Tot Ion:	99	Resp:	611146
Ion Ratio	Lower	Upper	
99	100		
42	18.4	16.3	24.5
71	31.1	26.2	39.4

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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: 8.03 min Scan# 1010

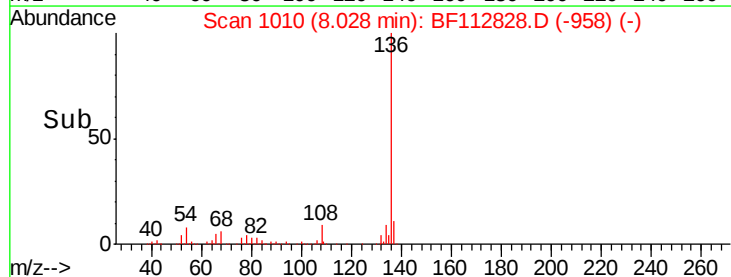
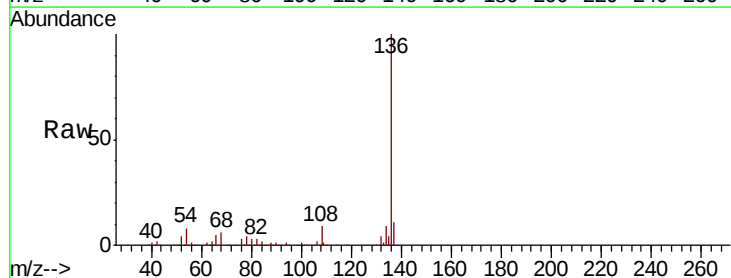
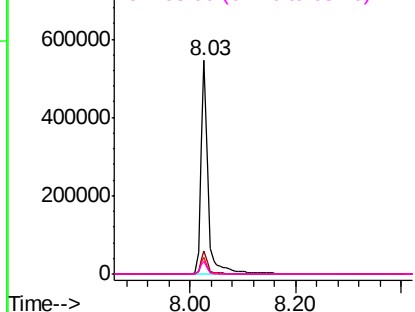
Delta R.T. 0.01 min

Lab File: BF112828.D

Acq: 4 Mar 2019 17:01

Tgt Ion:	136	Resp:	518255
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	8.0	7.3	10.9
68	5.8	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





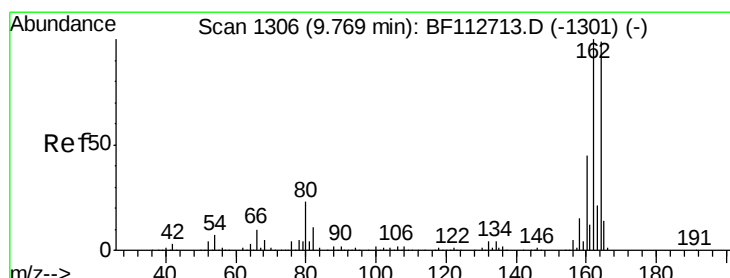
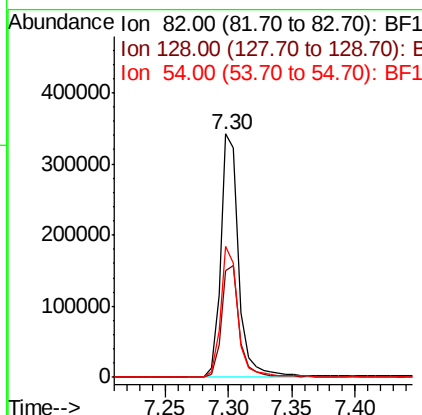
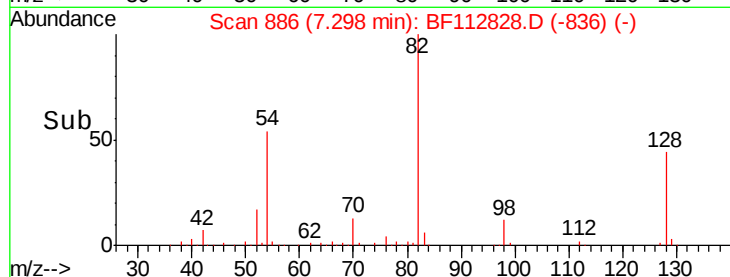
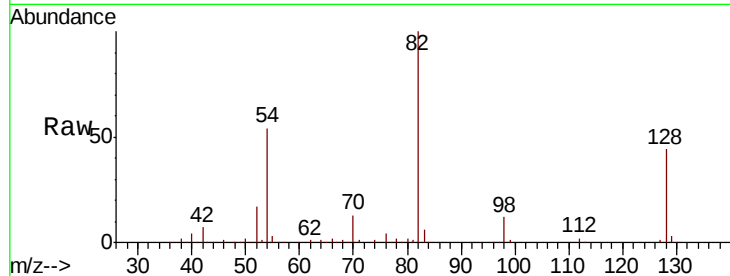
#23
Nitrobenzene-d5
Concen: 39.715 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF112828.D
Acq: 4 Mar 2019 17:01

Instrument :
BNA_F
ClientSampleId :
Z-4-2-AB

Tot Ion	82	Resp	343973
Ion Ratio	Lower	Upper	
82	100		
128	43.8	36.3	54.5
54	54.0	43.7	65.5

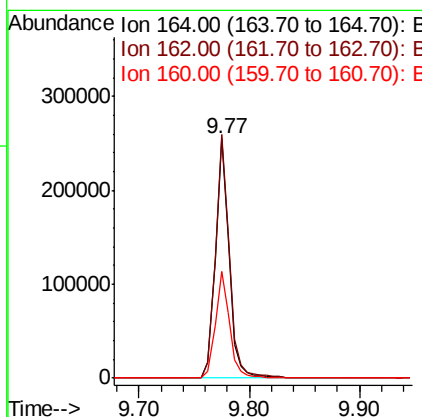
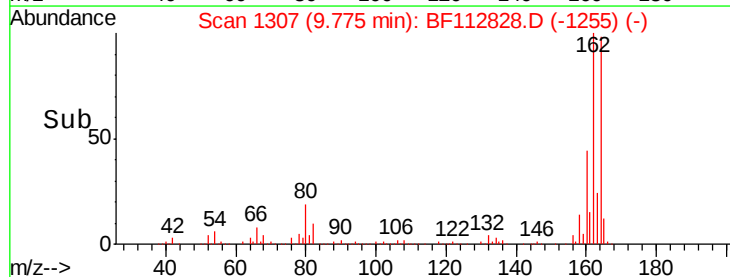
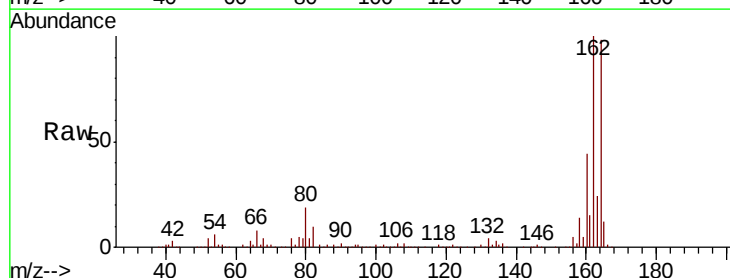
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1307
Delta R.T. 0.01 min
Lab File: BF112828.D
Acq: 4 Mar 2019 17:01

Tgt Ion	164	Resp	219180
Ion Ratio	Lower	Upper	
164	100		
162	101.6	80.6	120.8
160	44.3	36.0	54.0





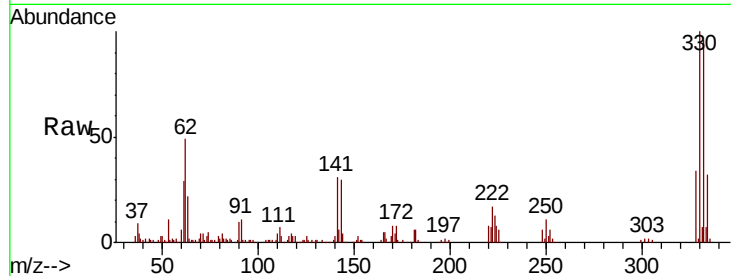
#42
 2,4,6-Tribromophenol
 Concen: 62.737 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: BF112828.D
 Acq: 4 Mar 2019 17:01

Instrument :
 BNA_F
 ClientSampled :
 Z-4-2-AB

Tot Ion	Ratio	Resp	Lower	Upper
330	100	145980		
332	95.0	76.2	114.4	
141	30.2	27.0	40.6	

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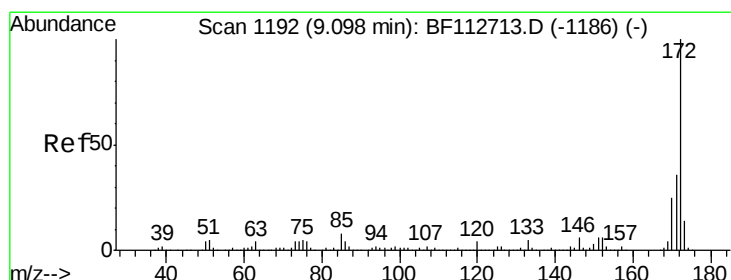
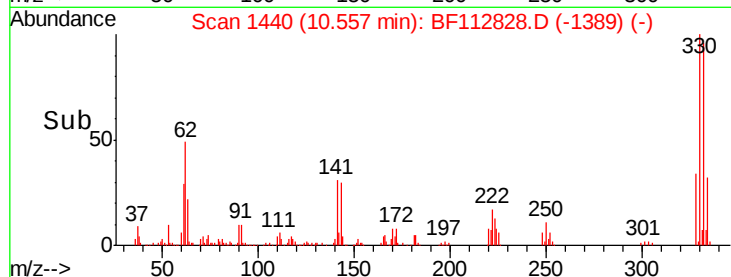
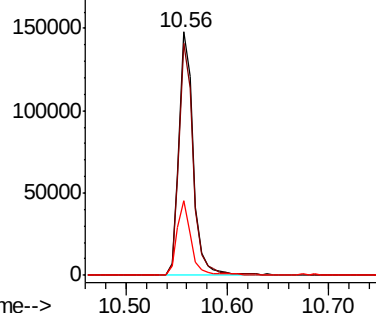


Abundance

Ion 329.80 (329.50 to 330.50): E

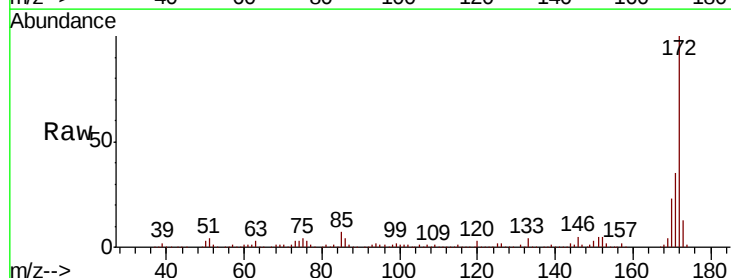
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 39.914 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: BF112828.D
 Acq: 4 Mar 2019 17:01

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	609263		
171	34.6	29.0	43.4	
170	23.4	20.0	30.0	

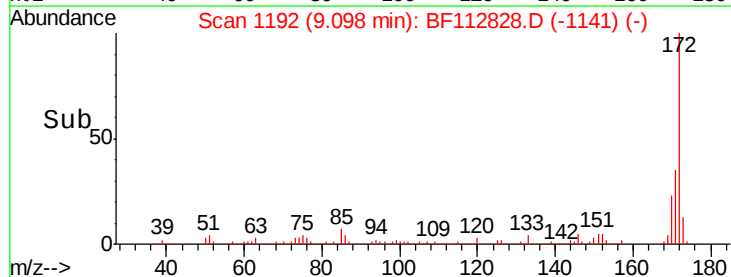
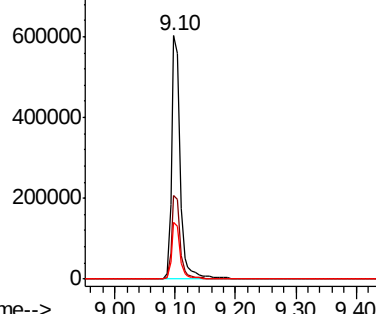


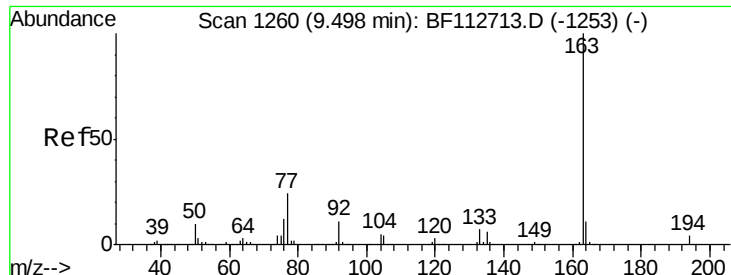
Abundance

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





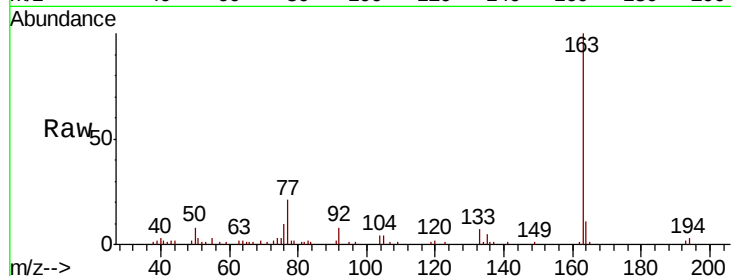
#50
Dimethylphthalate
Concen: 2.452 ng
RT: 9.49 min Scan# 1259
Delta R.T. -0.01 min
Lab File: BF112828.D
Acq: 4 Mar 2019 17:01

Instrument :
BNA_F
ClientSampleId :
Z-4-2-AB

Tot Ion	Ratio	Resp	Lower	Upper
163	100	39624		
194	3.5		3.0	4.4
164	10.9		8.4	12.6

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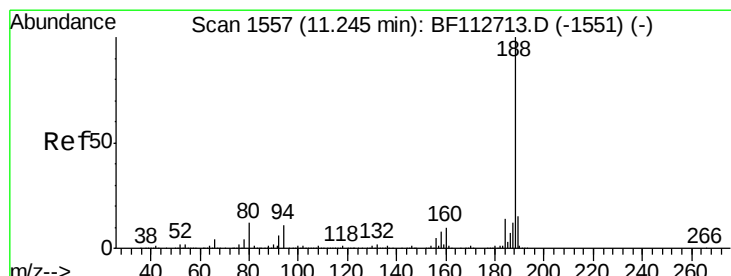
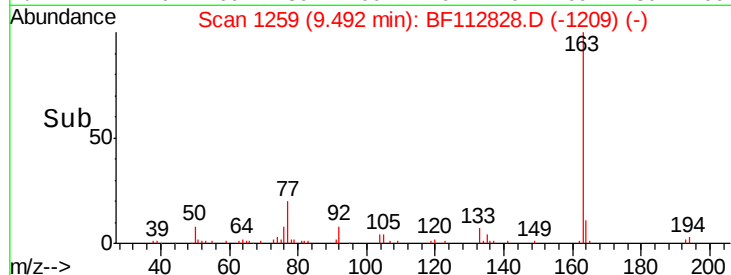
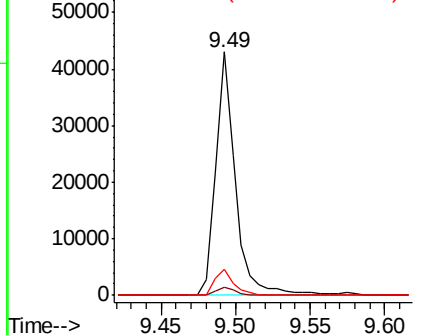


Abundance

Ion 163.00 (162.70 to 163.70): E

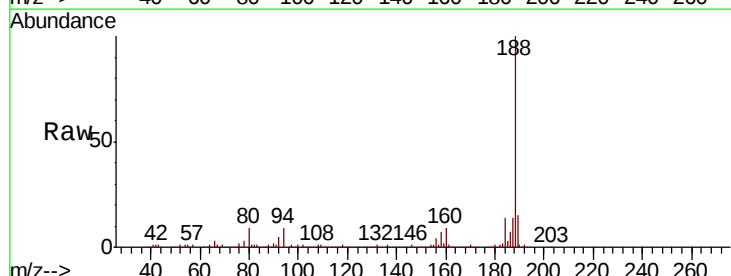
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.26 min Scan# 1559
Delta R.T. 0.01 min
Lab File: BF112828.D
Acq: 4 Mar 2019 17:01

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	442301		
94	8.6		9.0	13.4#
80	8.6		9.2	13.8#

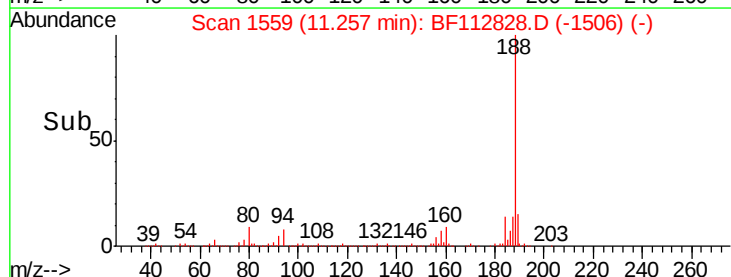
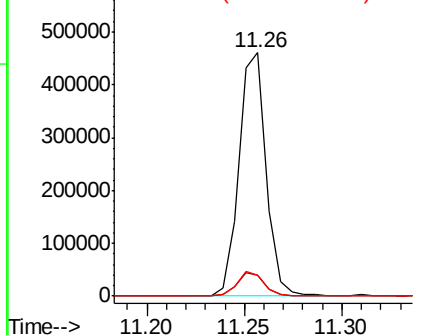


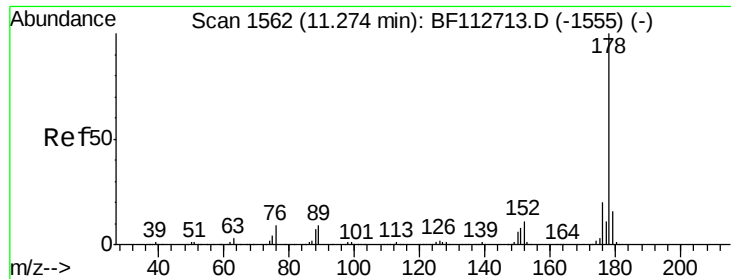
Abundance

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





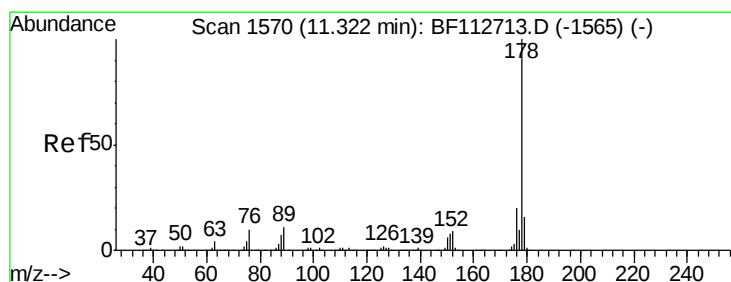
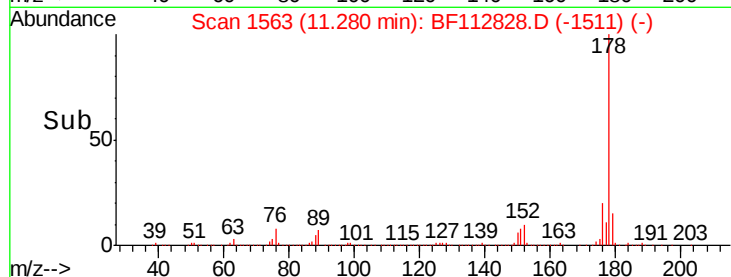
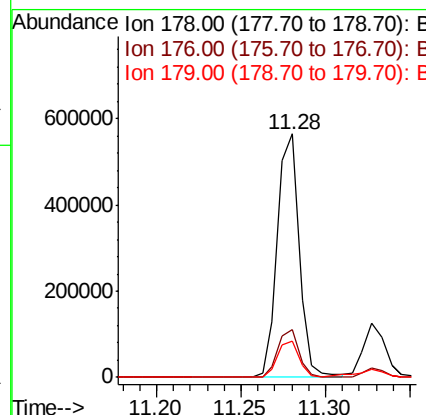
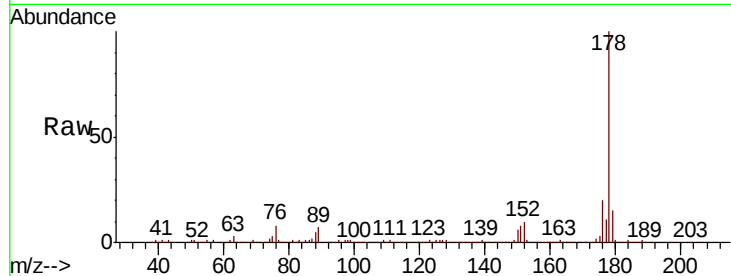
#71
Phenanthrene
Concen: 23.084 ng
RT: 11.28 min Scan# 1563
Delta R.T. 0.01 min
Lab File: BF112828.D
Acq: 4 Mar 2019 17:01

Instrument :
BNA_F
ClientSampleId :
Z-4-2-AB

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.8	16.3	24.5
179	14.8	12.7	19.1

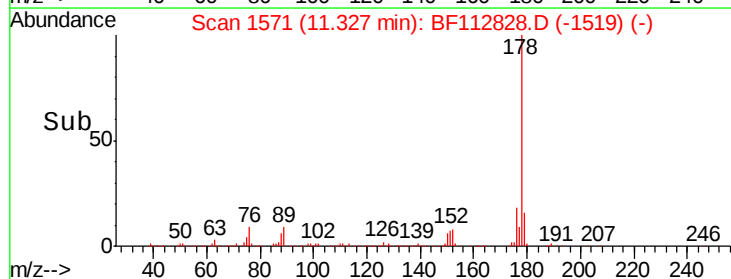
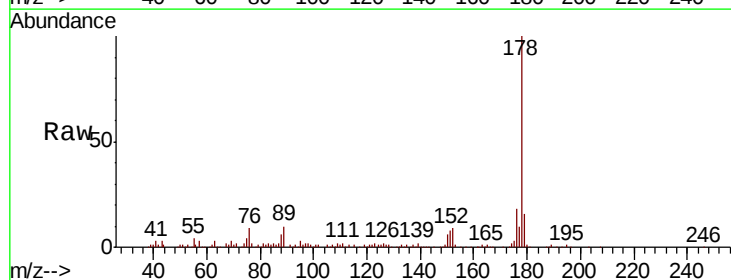
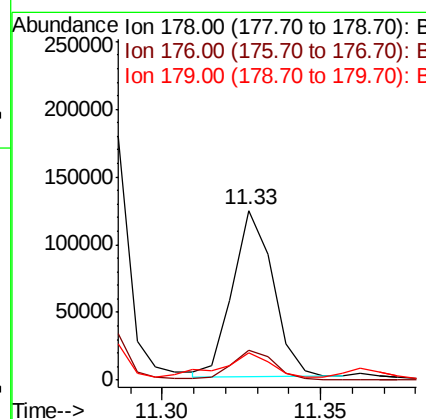
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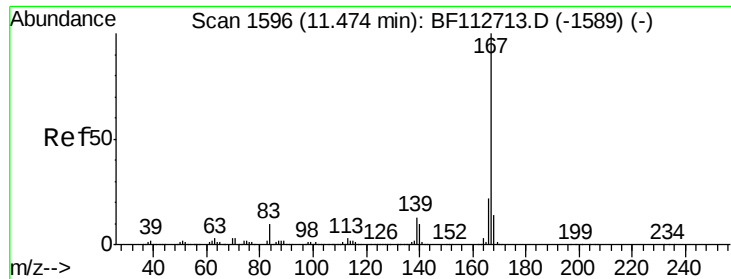
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#72
Anthracene
Concen: 4.693 ng
RT: 11.33 min Scan# 1571
Delta R.T. 0.01 min
Lab File: BF112828.D
Acq: 4 Mar 2019 17:01

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.8	23.6
179	15.9	13.0	19.6





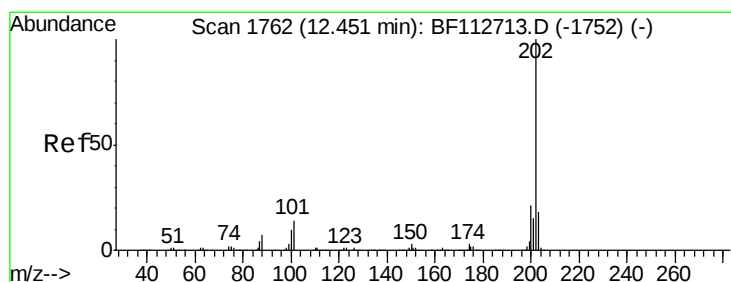
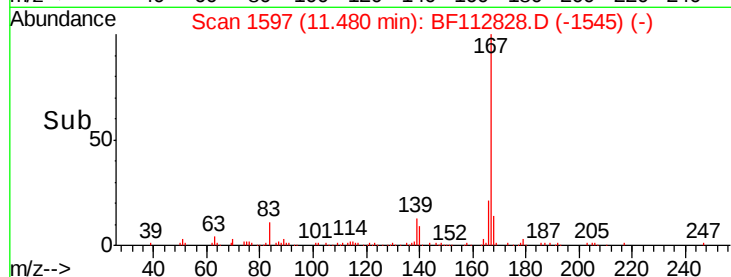
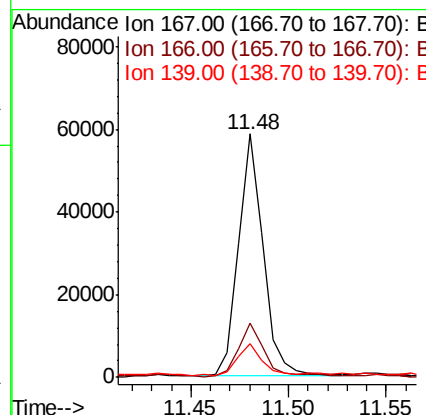
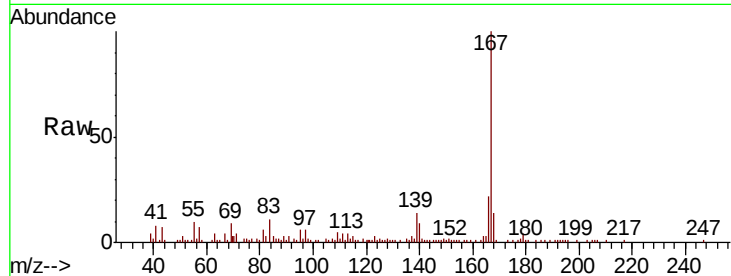
#73
 Carbazole
 Concen: 2.293 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. 0.01 min
 Lab File: BF112828.D
 Acq: 4 Mar 2019 17:01

Instrument :
 BNA_F
 ClientSampleId :
 Z-4-2-AB

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.5	26.3
139	14.0	10.8	16.2

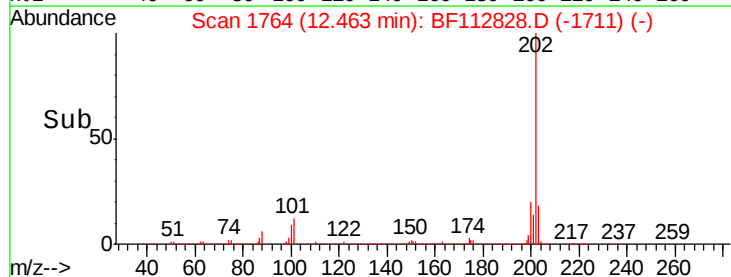
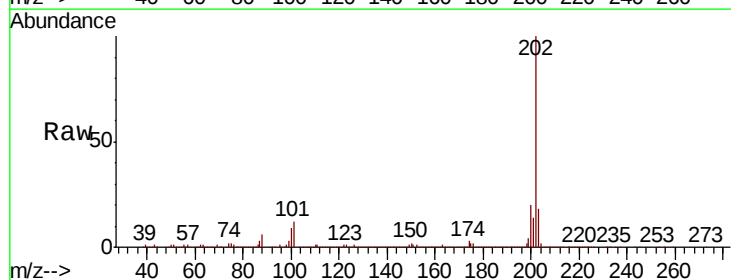
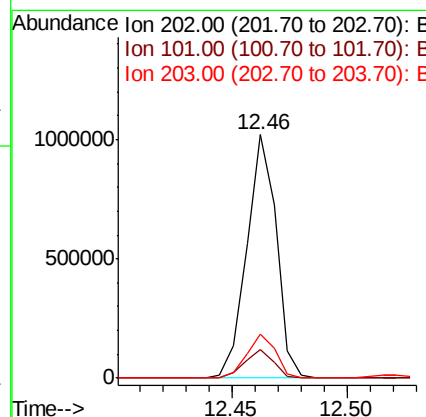
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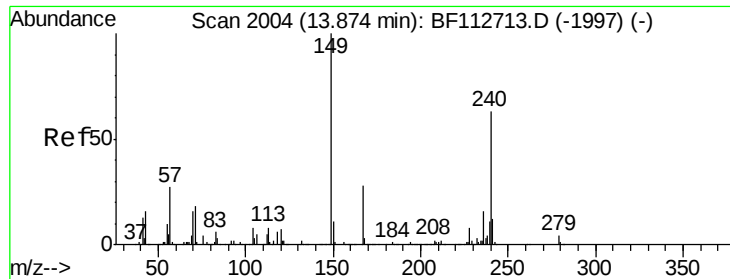
Sohil
 3/6/2019 9:28:16 AM



#75
 Fluoranthene
 Concen: 38.767 ng
 RT: 12.46 min Scan# 1764
 Delta R.T. 0.01 min
 Lab File: BF112828.D
 Acq: 4 Mar 2019 17:01

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	33.8
203	17.8	0.0	38.4





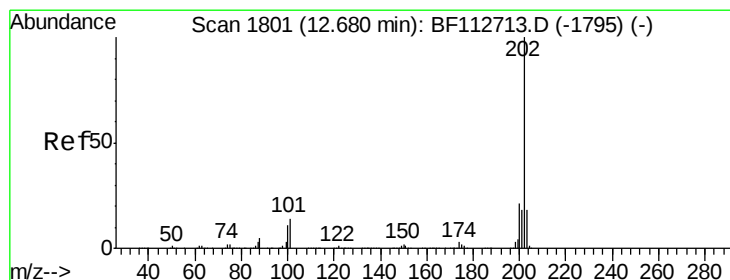
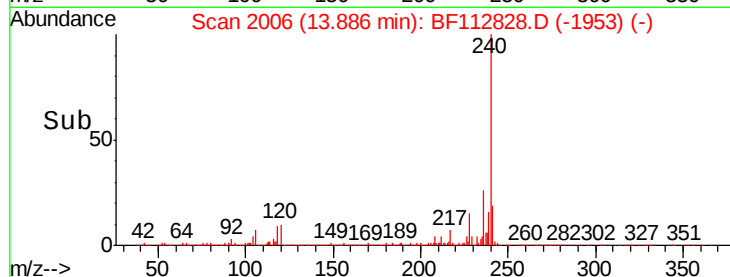
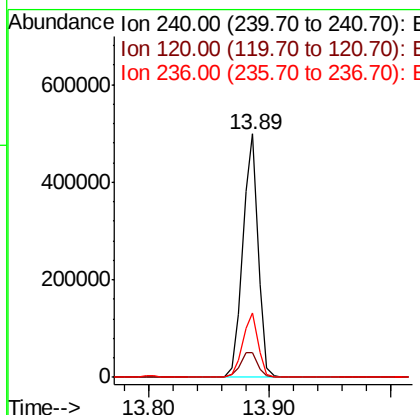
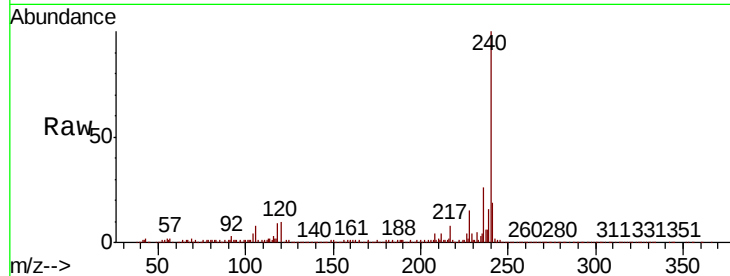
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.89 min Scan# 2006
Delta R.T. 0.01 min
Lab File: BF112828.D
Acq: 4 Mar 2019 17:01

Instrument :
BNA_F
ClientSampleId :
Z-4-2-AB

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.3	8.9	13.3
236	26.5	20.7	31.1

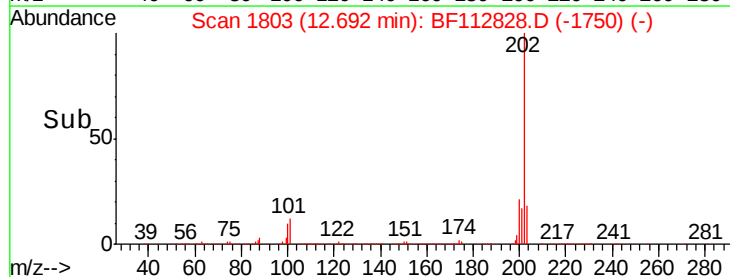
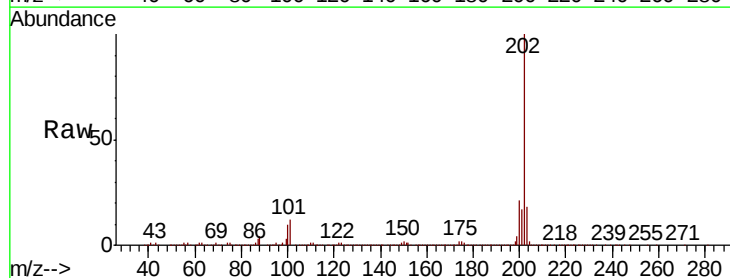
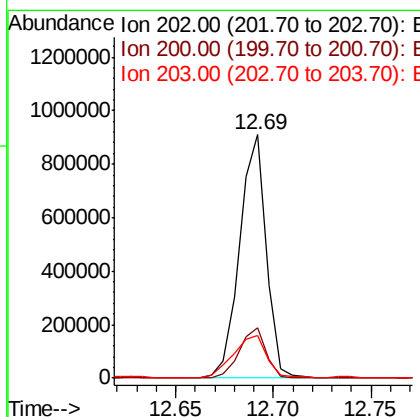
Manual Integrations
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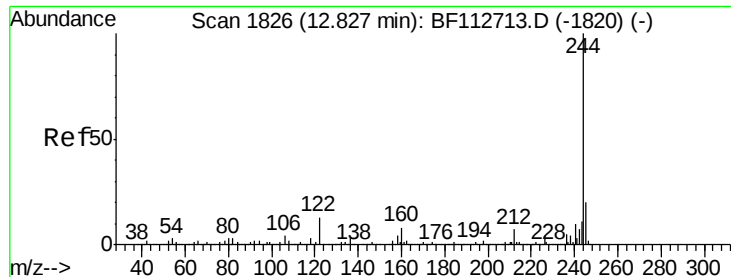
Sohil
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#78
Pyrene
Concen: 23.151 ng
RT: 12.69 min Scan# 1803
Delta R.T. 0.01 min
Lab File: BF112828.D
Acq: 4 Mar 2019 17:01

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.0	25.4
203	17.7	14.4	21.6





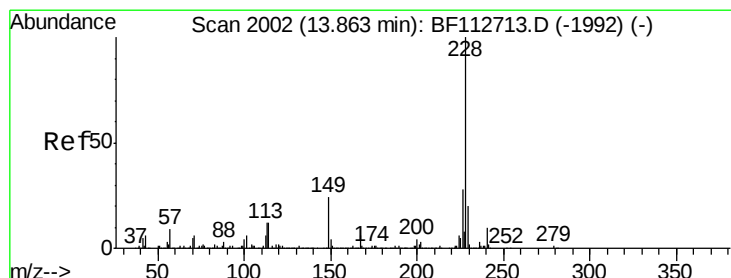
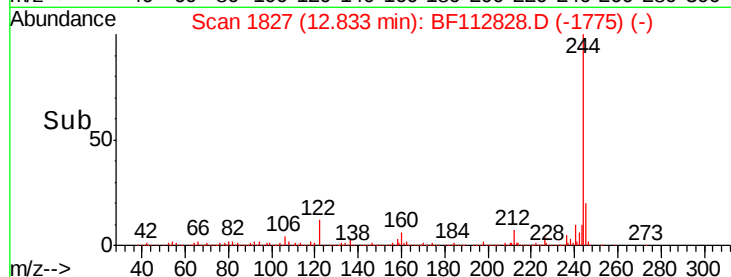
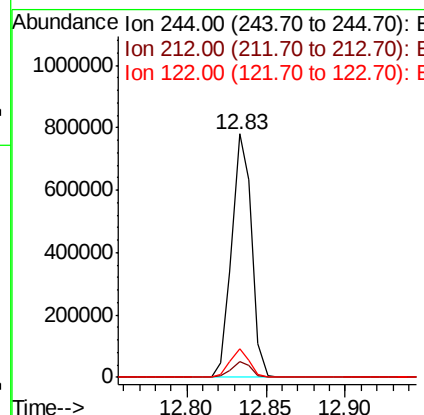
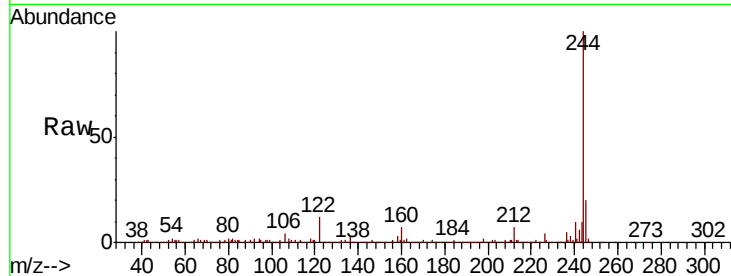
#79
 Terphenyl-d14
 Concen: 29.898 ng
 RT: 12.83 min Scan# 1827
 Delta R.T. 0.01 min
 Lab File: BF112828.D
 Acq: 4 Mar 2019 17:01

Instrument :
 BNA_F
 ClientSampled :
 Z-4-2-AB

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.6	8.4
122	11.6	10.5	15.7

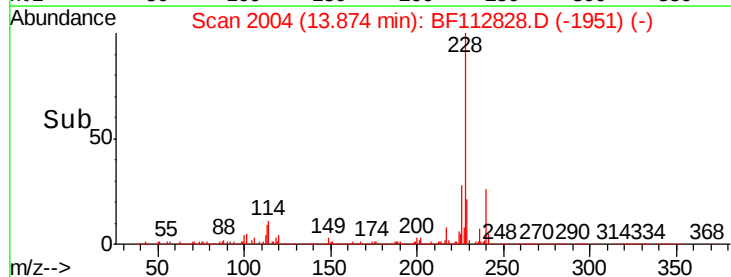
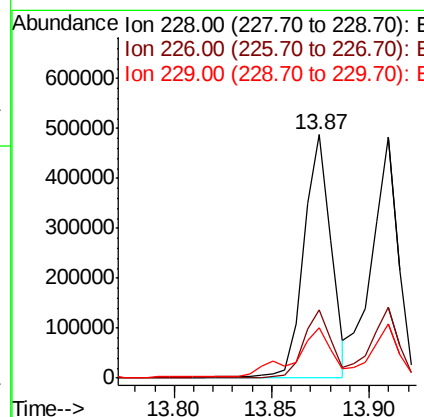
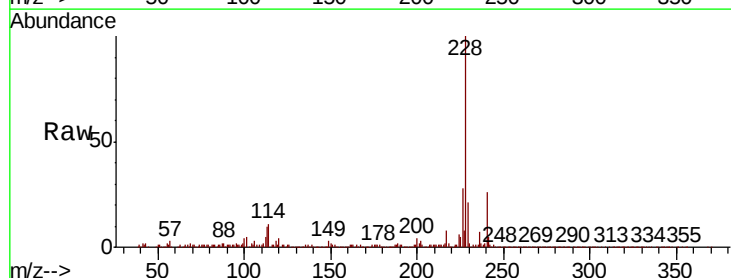
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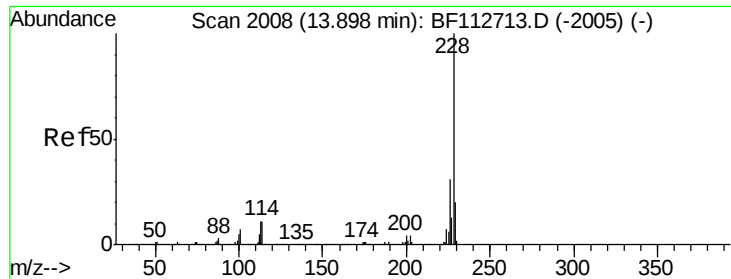
Sohil
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#81
 Benzo(a)anthracene
 Concen: 15.398 ng
 RT: 13.87 min Scan# 2004
 Delta R.T. 0.01 min
 Lab File: BF112828.D
 Acq: 4 Mar 2019 17:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.2	33.4
229	20.9	16.0	24.0





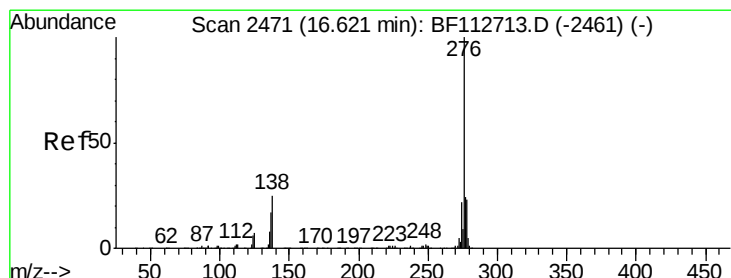
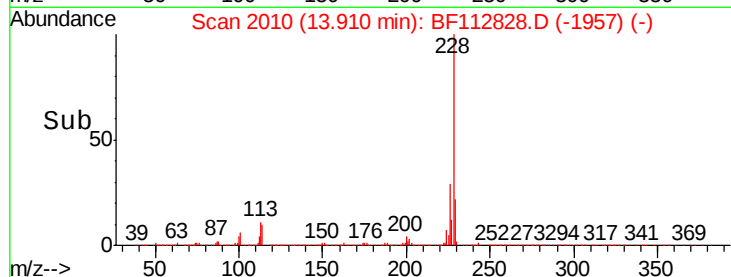
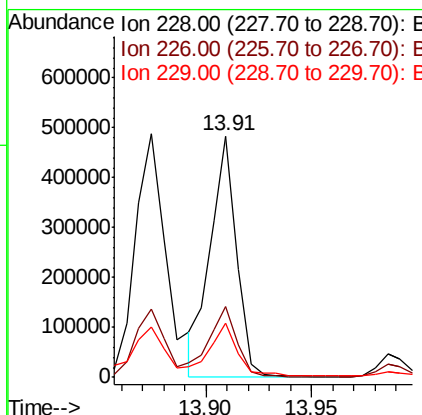
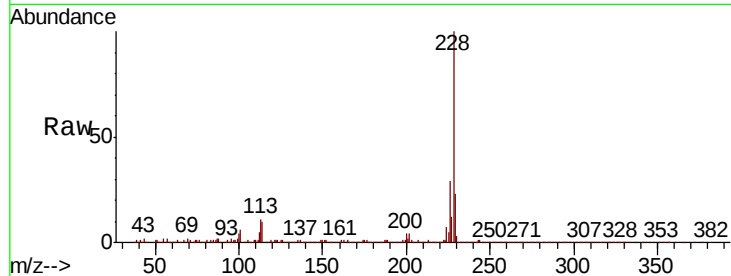
#83
Chrysene
Concen: 14.007 ng
RT: 13.91 min Scan# 2010
Delta R.T. 0.01 min
Lab File: BF112828.D
Acq: 4 Mar 2019 17:01

Instrument :
BNA_F
ClientSampleId :
Z-4-2-AB

Tot Ion	Ratio	Resp	Lower	Upper
228	100	418265		
226	29.5		24.9	37.3
229	22.6		16.3	24.5

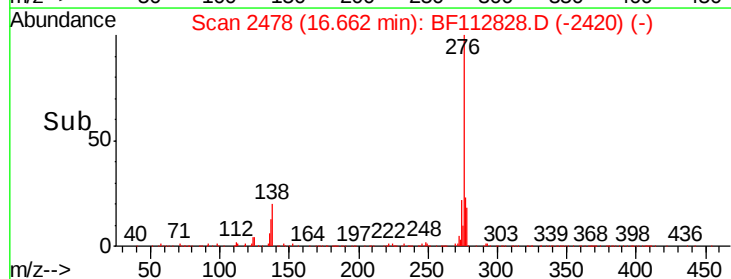
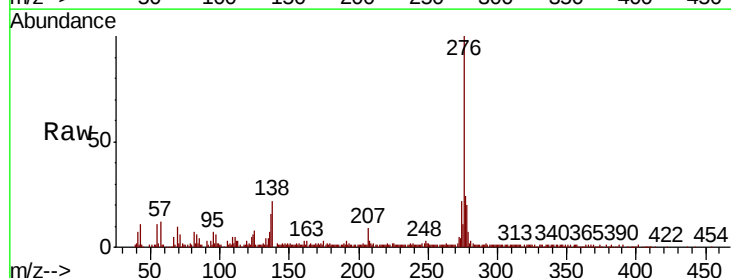
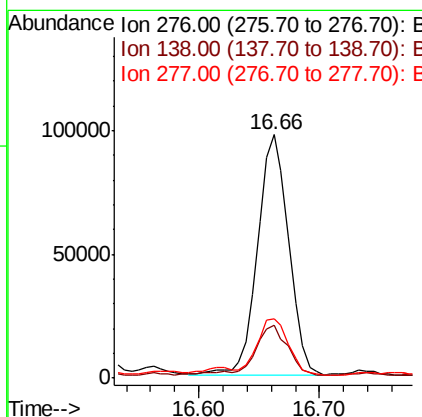
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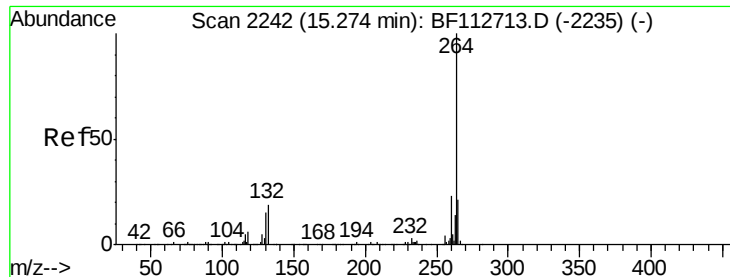
Sohil
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#86
Indeno(1,2,3-cd)pyrene
Concen: 6.802 ng
RT: 16.66 min Scan# 2478
Delta R.T. 0.04 min
Lab File: BF112828.D
Acq: 4 Mar 2019 17:01

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	173150		
138	22.8		23.2	34.8#
277	23.7		19.9	29.9





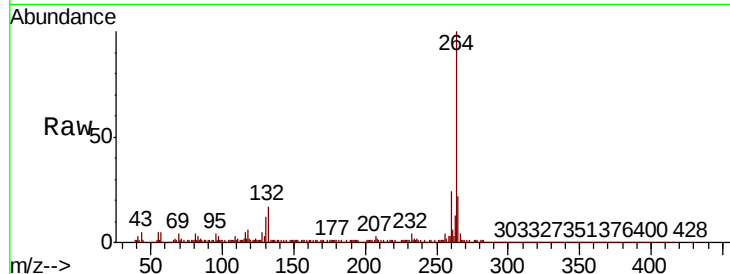
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.30 min Scan# 2246
Delta R.T. 0.02 min
Lab File: BF112828.D
Acq: 4 Mar 2019 17:01

Instrument :
BNA_F
ClientSampleId :
Z-4-2-AB

Tot Ion:	264	Resp:	321397
Ion Ratio	Lower	Upper	
264	100		
260	23.9	18.7	28.1
265	22.2	17.2	25.8

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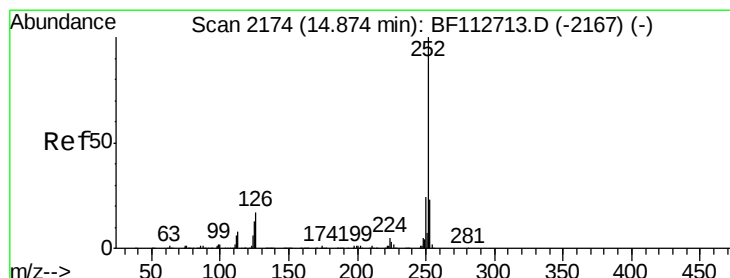
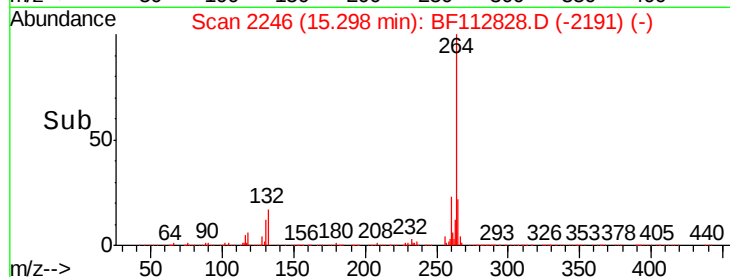
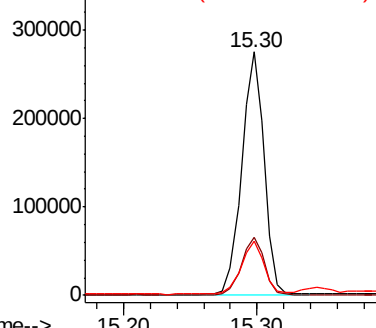


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88
Benzo(b)fluoranthene
Concen: 23.721 ng m
RT: 14.90 min Scan# 2178
Delta R.T. 0.02 min
Lab File: BF112828.D
Acq: 4 Mar 2019 17:01

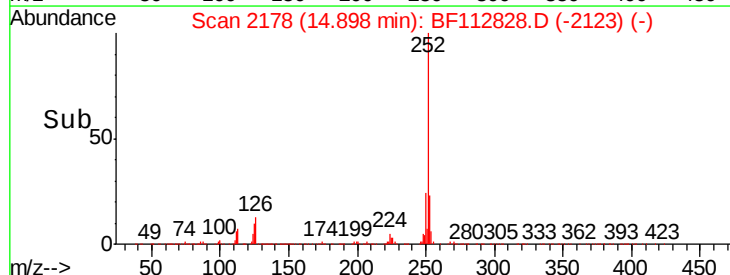
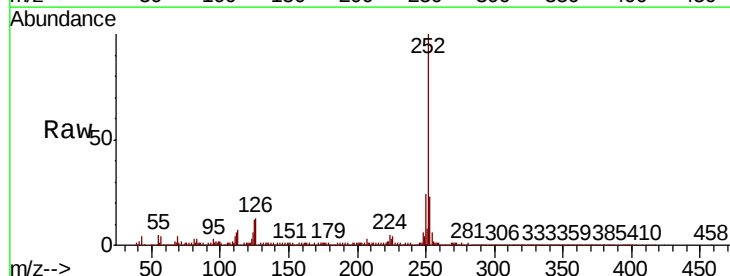
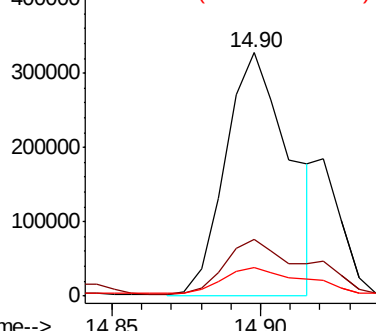
Tgt Ion:	252	Resp:	493133
Ion Ratio	Lower	Upper	
252	100		
253	23.3	18.0	27.0
125	11.6	10.2	15.2

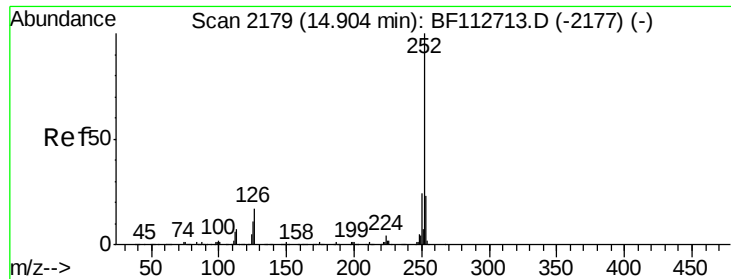
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





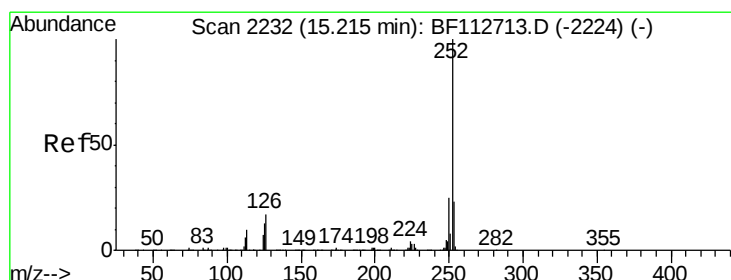
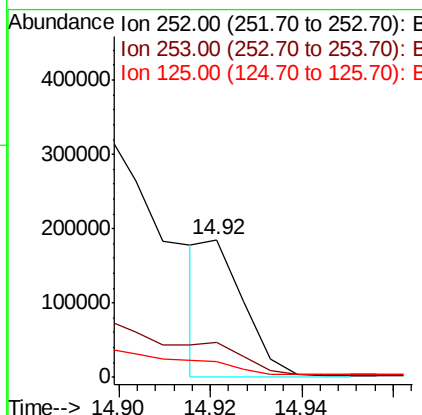
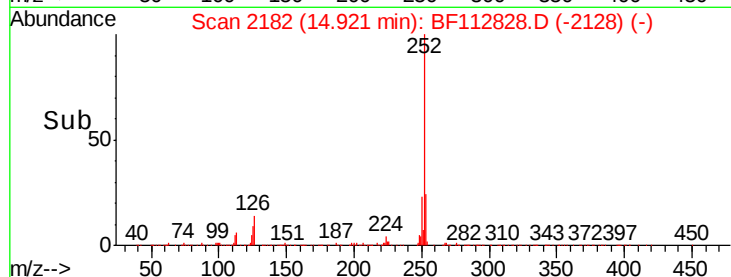
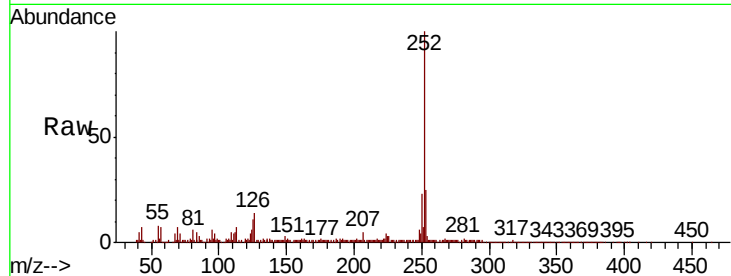
#89
Benzo(k)fluoranthene
Concen: 6.054 ng m
RT: 14.92 min Scan# 2182
Delta R.T. 0.02 min
Lab File: BF112828.D
Acq: 4 Mar 2019 17:01

Instrument :
BNA_F
ClientSampleId :
Z-4-2-AB

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.1	18.2	27.2
125	11.0	9.8	14.6

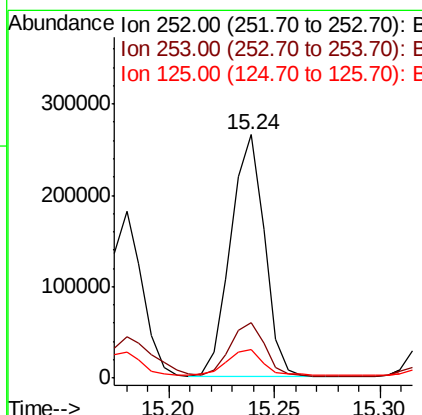
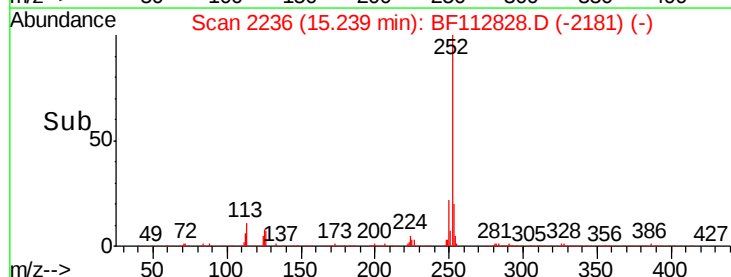
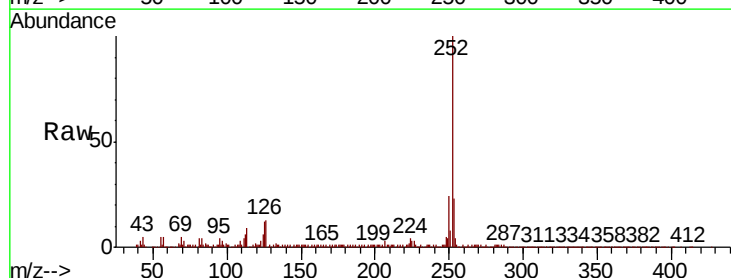
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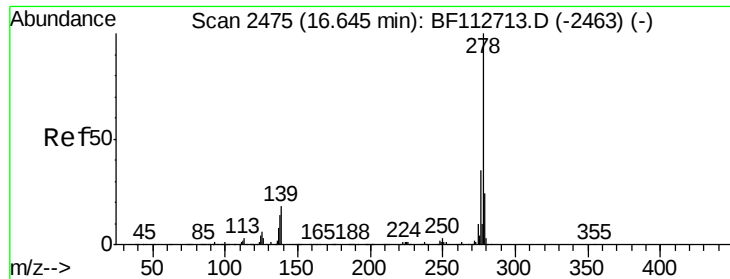
Sohil
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#90
Benzo(a)pyrene
Concen: 16.020 ng
RT: 15.24 min Scan# 2236
Delta R.T. 0.02 min
Lab File: BF112828.D
Acq: 4 Mar 2019 17:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.0	27.0
125	11.6	10.7	16.1





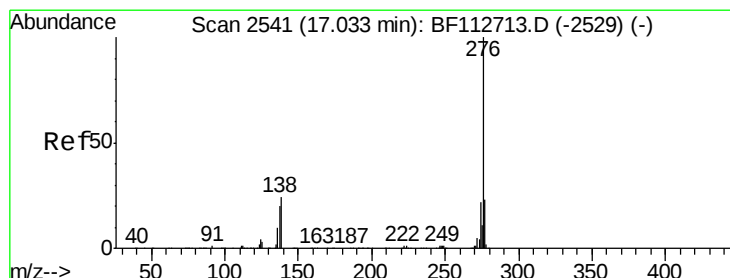
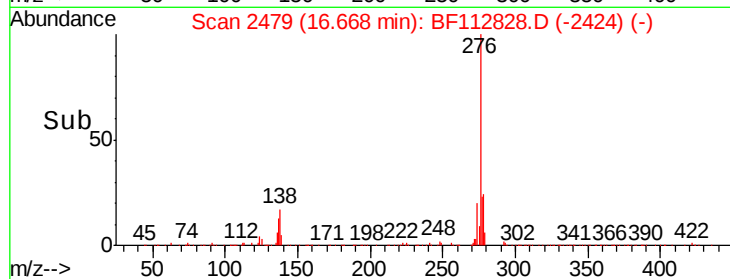
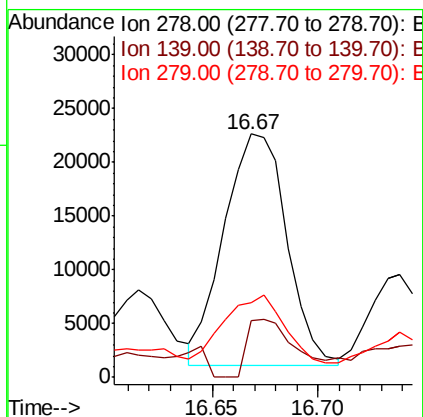
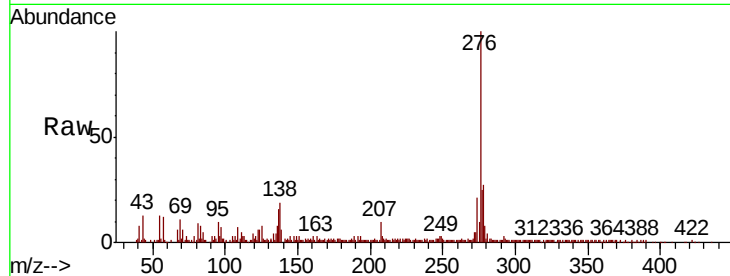
#91
Dibenzo(a,h)anthracene
Concen: 2.830 ng
RT: 16.67 min Scan# 2479
Delta R.T. 0.02 min
Lab File: BF112828.D
Acq: 4 Mar 2019 17:01

Instrument :
BNA_F
ClientSampled :
Z-4-2-AB

Tot Ion	Ratio	Lower	Upper
278	100		
139	23.5	14.3	21.5#
279	30.7	19.4	29.0#

Manual Integrations
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3/6/2019 9:28:16 AM



#92
Benzo(g,h,i)perylene
Concen: 10.508 ng
RT: 17.07 min Scan# 2548
Delta R.T. 0.04 min
Lab File: BF112828.D
Acq: 4 Mar 2019 17:01

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.6	27.8
138	21.7	19.4	29.0

