

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030419\
 Data File : BF112830.D
 Acq On : 4 Mar 2019 17:56
 Operator : JU/SJ
 Sample : K1712-11 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 Z-2-2

Manual Integrations
 APPROVED

Sohil
 3/6/2019 9:28:19 AM

Quant Time: Mar 05 01:39:20 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	154143	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	554103	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	245807	20.00	ng	0.00
64) Phenanthrene-d10	11.26	188	513447	20.00	ng	0.01
76) Chrysene-d12	13.89	240	453163	20.00	ng	0.01
87) Perylene-d12	15.30	264	333815	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	553915	55.90	ng	0.00
7) Phenol-d6	6.37	99	692858	55.66	ng	0.00
23) Nitrobenzene-d5	7.30	82	392062	42.34	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	192475	73.76	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	639727	36.98	ng	0.00
79) Terphenyl-d14	12.83	244	693344	29.66	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.49	163	44199	2.439	ng	98
71) Phenanthrene	11.28	178	526507	20.610	ng	98
73) Carbazole	11.48	167	57671	2.211	ng	97
75) Fluoranthene	12.46	202	780976	28.534	ng	98
78) Pyrene	12.69	202	663967	17.380	ng	99
81) Benzo(a)anthracene	13.87	228	236269	7.523	ng	96
83) Chrysene	13.91	228	330868	10.755	ng	97
86) Indeno(1,2,3-cd)pyrene	16.66	276	139234	5.309	ng	# 92
88) Benzo(b)fluoranthene	14.90	252	360151m	16.680	ng	
89) Benzo(k)fluoranthene	14.92	252	78999m	4.039	ng	
90) Benzo(a)pyrene	15.24	252	176756	9.255	ng	98
92) Benzo(a,h,i)perylene	17.07	276	143701	8.781	ng	# 93

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

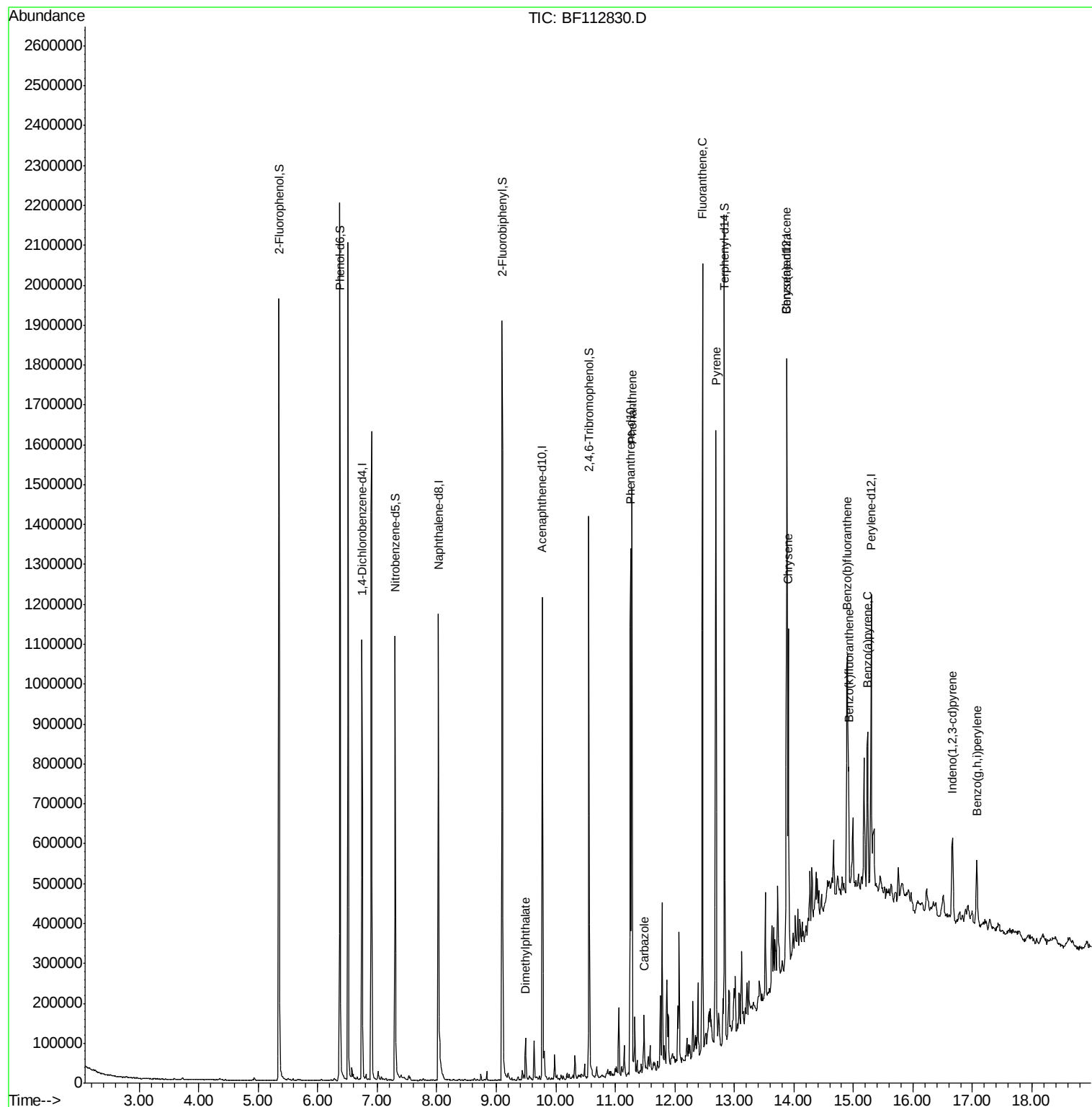
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030419\
Data File : BF112830.D
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Operator : JU/SJ
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Instrument :
BNA_F
ClientSampled :
Z-2-2

Manual Integrations
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#1

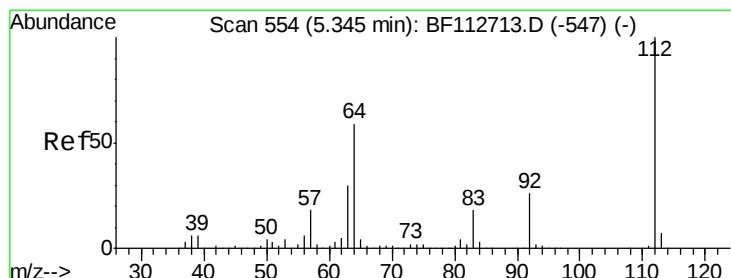
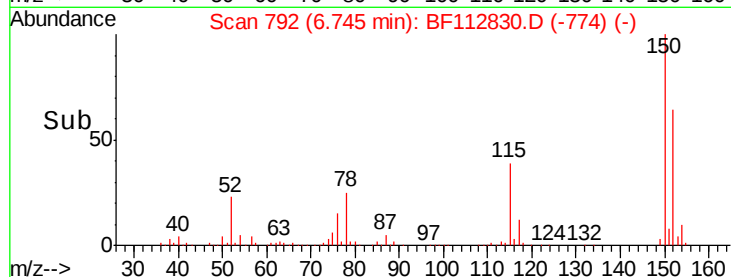
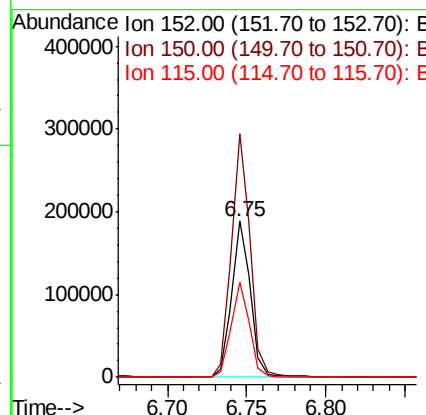
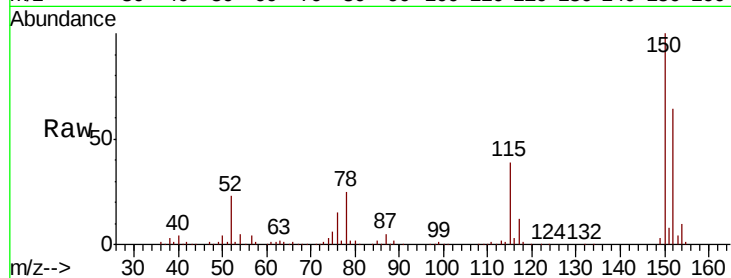
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 792
Delta R.T. 0.01 min
Lab File: BF112830.D
Acq: 4 Mar 2019 17:56

Instrument :
BNA_F
ClientSampleId :
Z-2-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	124.2	186.2
115	61.1	48.2	72.4

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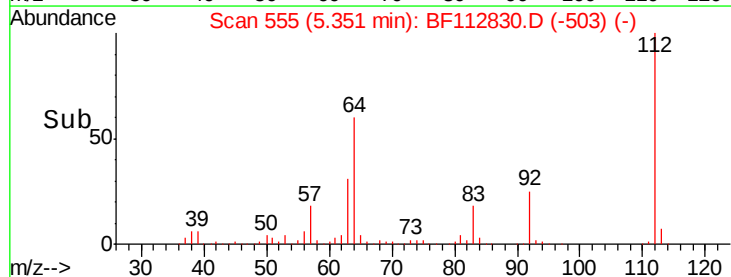
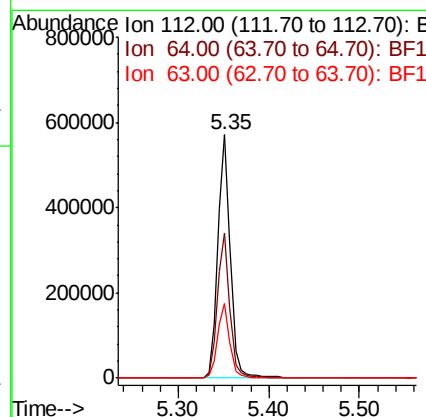
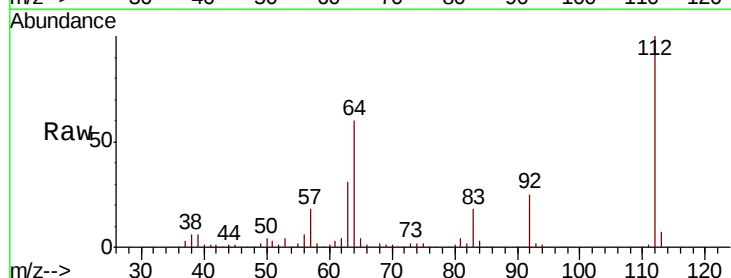
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#5

2-Fluorophenol
Concen: 55.899 ng
RT: 5.35 min Scan# 555
Delta R.T. 0.01 min
Lab File: BF112830.D
Acq: 4 Mar 2019 17:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.6	47.6	71.4
63	30.5	24.4	36.6





#7

Phenol-d6

Concen: 55.662 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.01 min

Lab File: BF112830.D

Acq: 4 Mar 2019 17:56

Instrument :

BNA_F

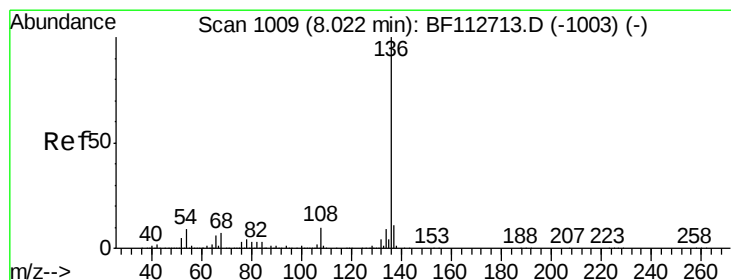
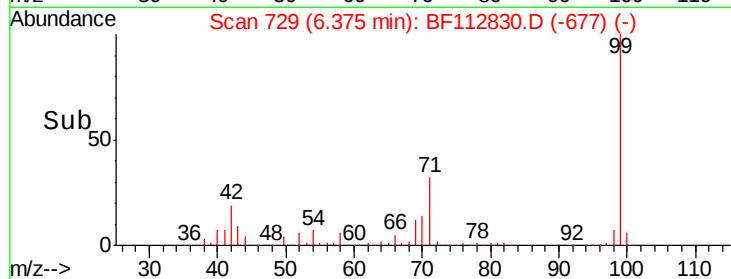
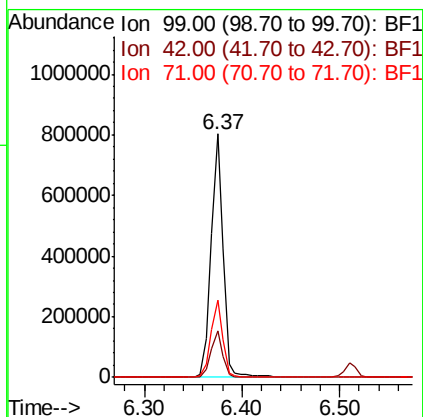
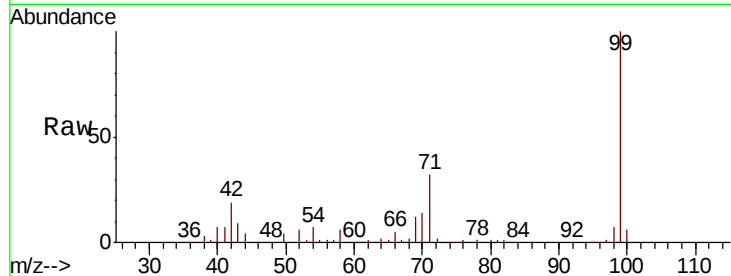
ClientSampled :

Z-2-2

Tot Ion:	99	Resp:	692858
Ion Ratio	Lower	Upper	
99	100		
42	18.9	16.3	24.5
71	31.8	26.2	39.4

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#21

Naphthalene-d8

Concen: 20.000 ng

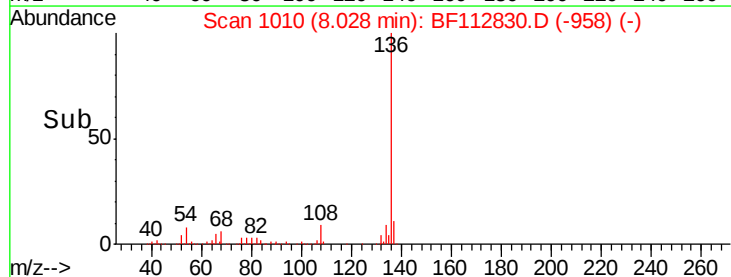
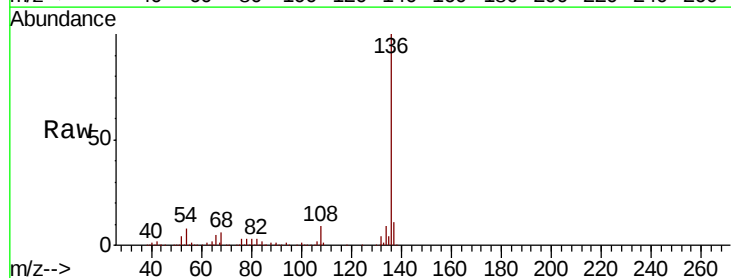
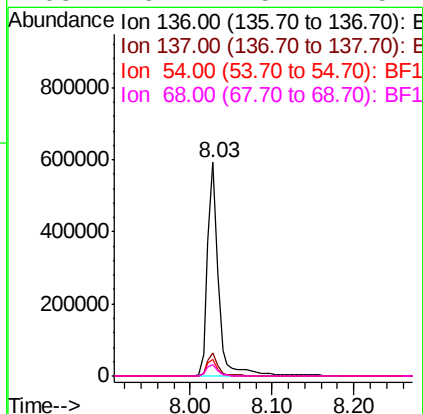
RT: 8.03 min Scan# 1010

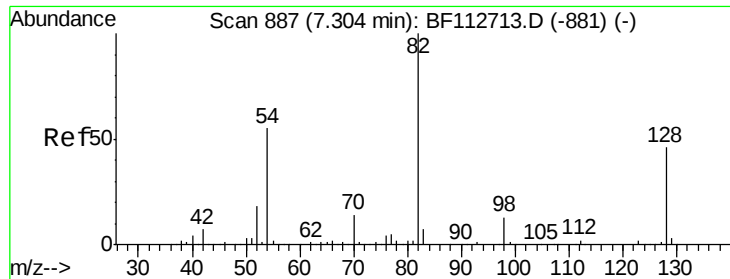
Delta R.T. 0.01 min

Lab File: BF112830.D

Acq: 4 Mar 2019 17:56

Tgt Ion:	136	Resp:	554103
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.9	13.3
54	7.8	7.3	10.9
68	5.7	5.4	8.2





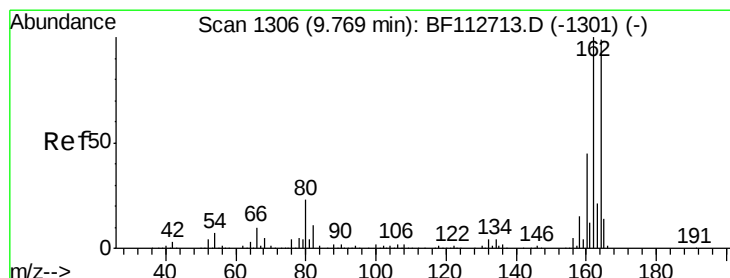
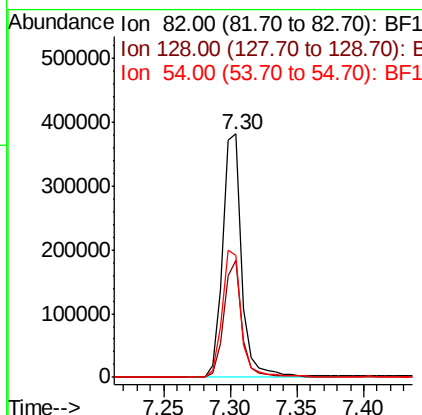
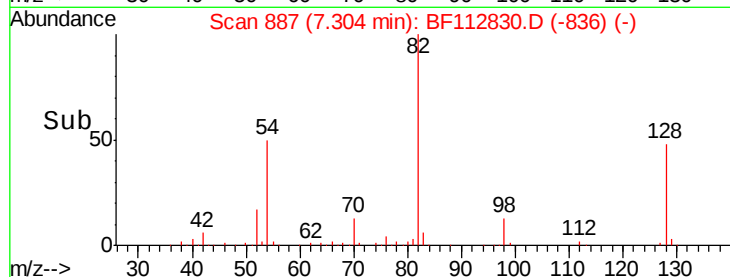
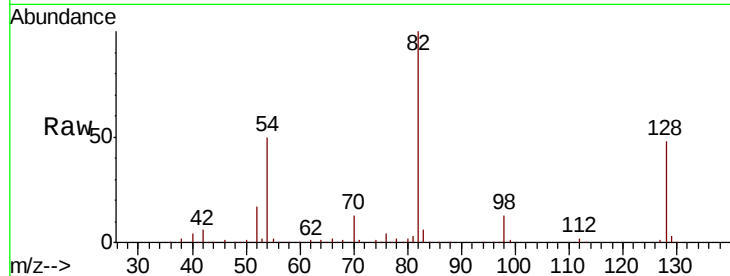
#23
Nitrobenzene-d5
Concen: 42.339 ng
RT: 7.30 min Scan# 887
Delta R.T. 0.00 min
Lab File: BF112830.D
Acq: 4 Mar 2019 17:56

Instrument :
BNA_F
ClientSampled :
Z-2-2

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.2	36.3	54.5
54	50.0	43.7	65.5

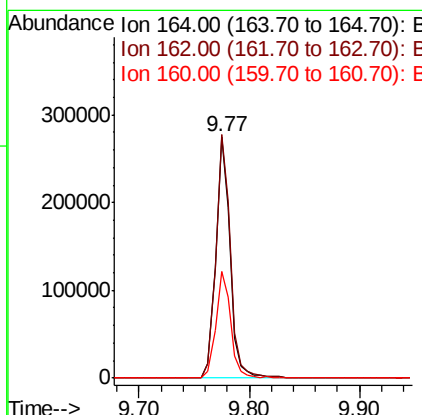
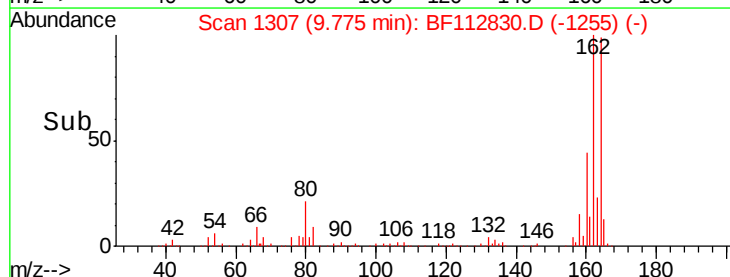
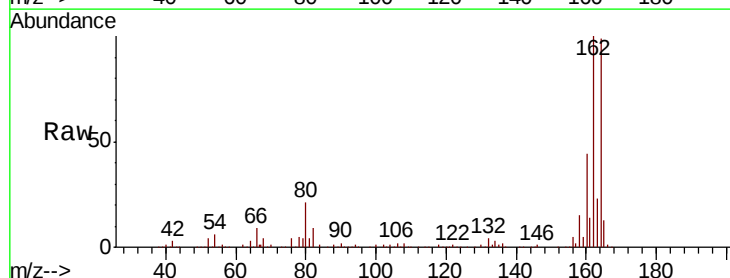
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1307
Delta R.T. 0.01 min
Lab File: BF112830.D
Acq: 4 Mar 2019 17:56

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.9	80.6	120.8
160	44.1	36.0	54.0





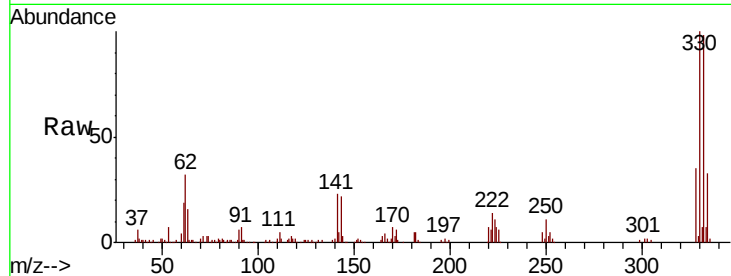
#42
 2,4,6-Tribromophenol
 Concen: 73.758 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. 0.01 min
 Lab File: BF112830.D
 Acq: 4 Mar 2019 17:56

Instrument :
 BNA_F
 ClientSampleId :
 Z-2-2

Tot Ion	Ratio	Resp	Lower	Upper
330	100	192475		
332	96.4	76.2	114.4	
141	29.9	27.0	40.6	

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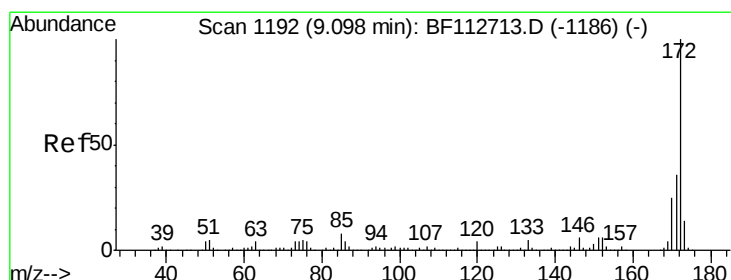
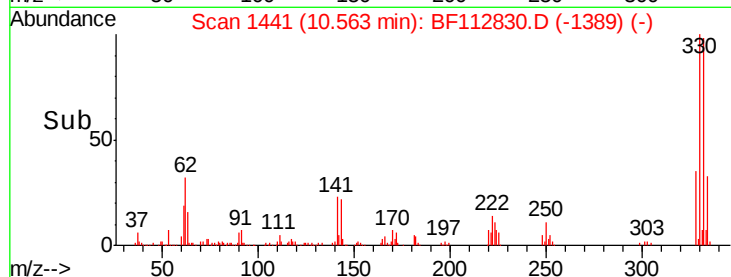
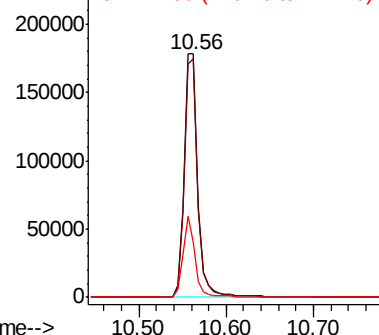


Abundance

Ion 329.80 (329.50 to 330.50): E

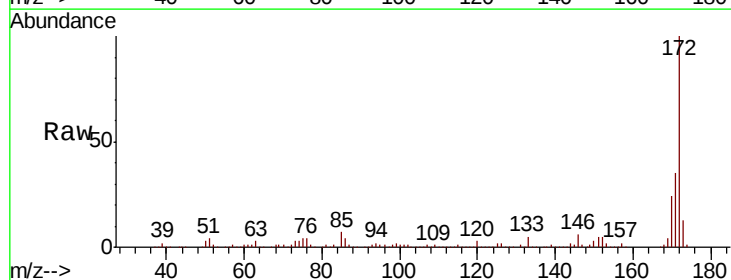
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 36.982 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: BF112830.D
 Acq: 4 Mar 2019 17:56

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	639727		
171	34.8	29.0	43.4	
170	23.6	20.0	30.0	

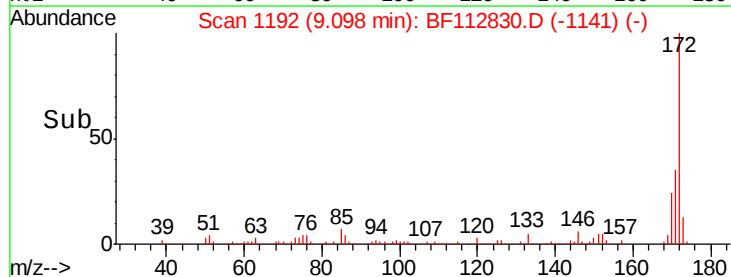
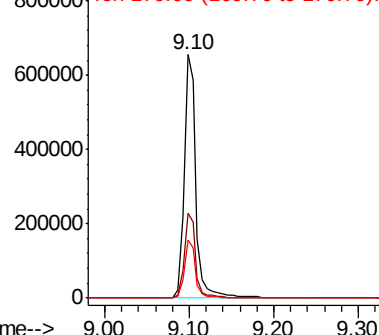


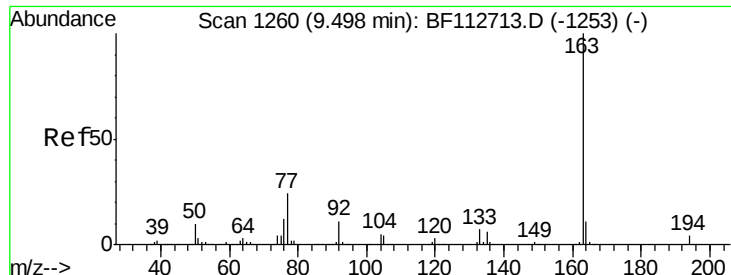
Abundance

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





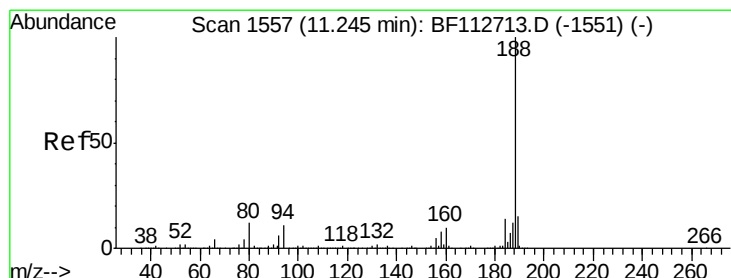
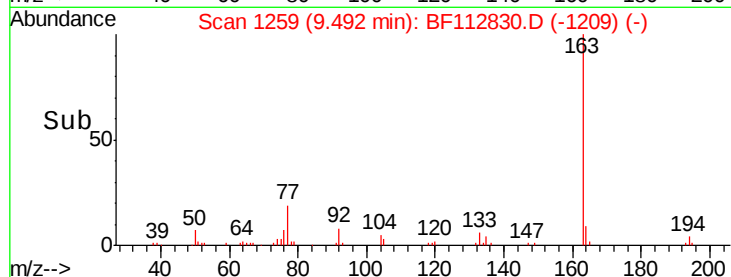
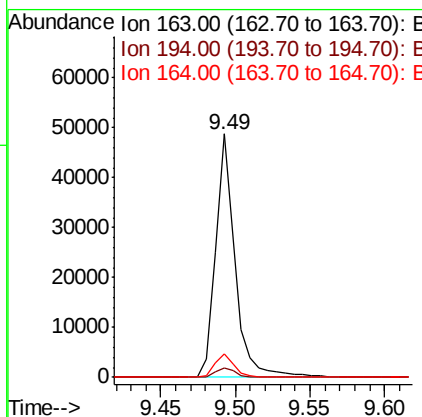
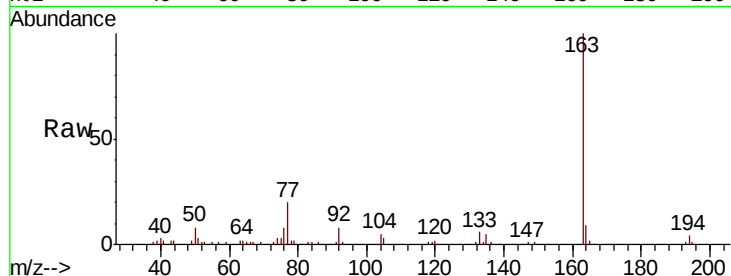
#50
Dimethylphthalate
Concen: 2.439 ng
RT: 9.49 min Scan# 1259
Delta R.T. -0.01 min
Lab File: BF112830.D
Acq: 4 Mar 2019 17:56

Instrument :
BNA_F
ClientSampleId :
Z-2-2

Tot Ion:	163	Resp:	44199
Ion Ratio	Lower	Upper	
163	100		
194	3.7	3.0	4.4
164	9.4	8.4	12.6

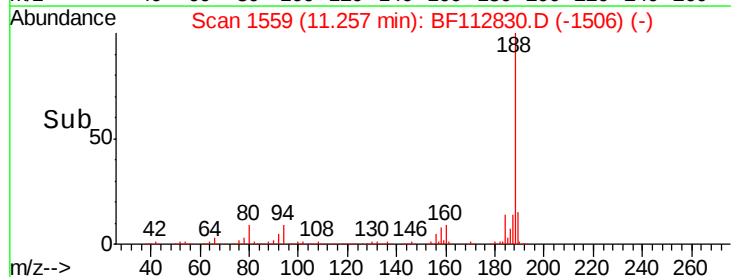
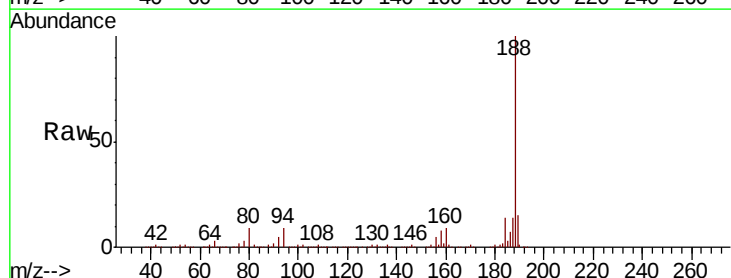
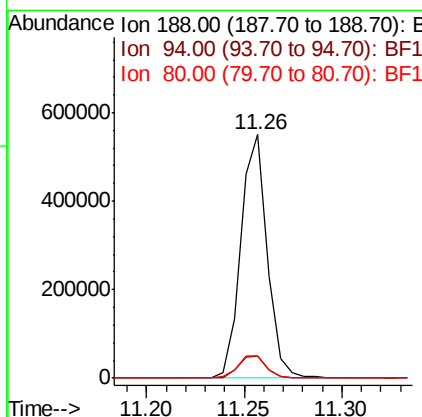
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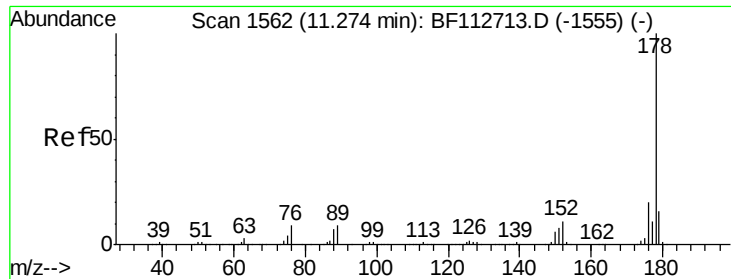
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.26 min Scan# 1559
Delta R.T. 0.01 min
Lab File: BF112830.D
Acq: 4 Mar 2019 17:56

Tgt Ion:	188	Resp:	513447
Ion Ratio	Lower	Upper	
188	100		
94	9.3	9.0	13.4
80	9.3	9.2	13.8





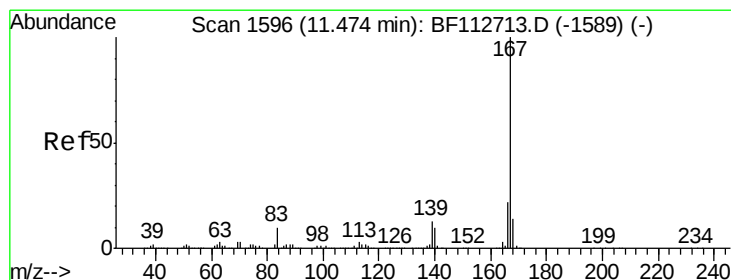
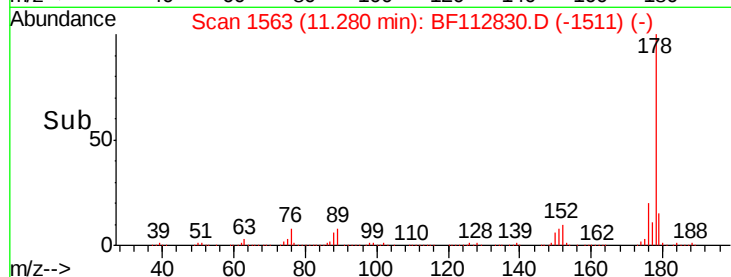
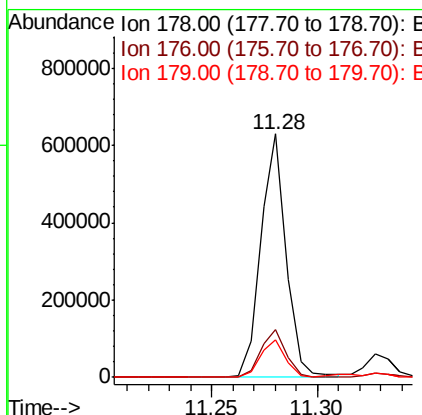
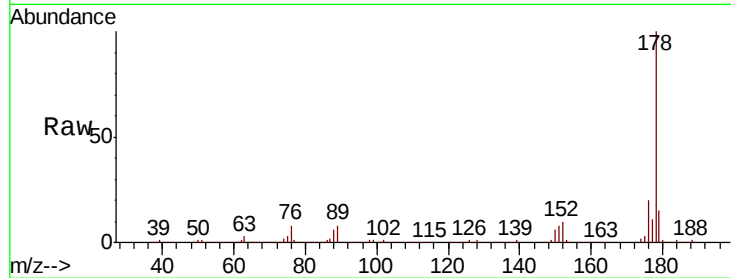
#71
Phenanthrene
Concen: 20.610 ng
RT: 11.28 min Scan# 1563
Delta R.T. 0.01 min
Lab File: BF112830.D
Acq: 4 Mar 2019 17:56

Instrument :
BNA_F
ClientSampleId :
Z-2-2

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.3	24.5
179	15.2	12.7	19.1

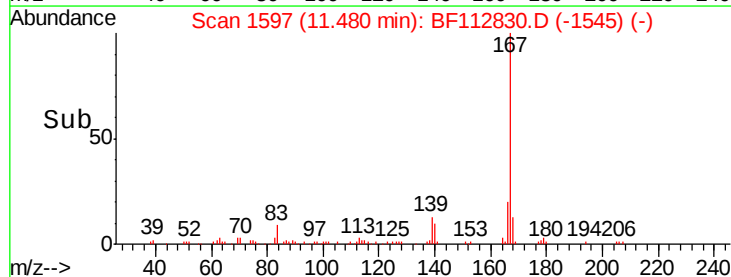
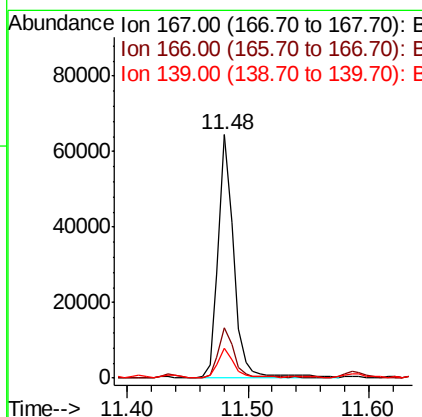
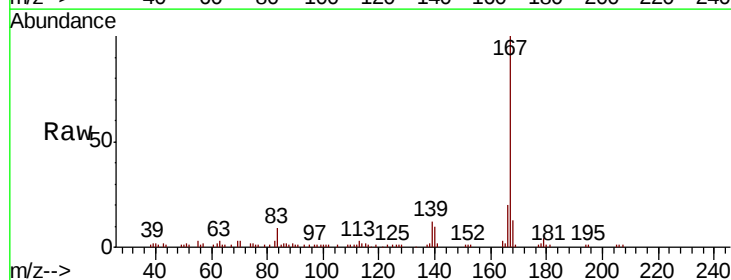
Manual Integrations
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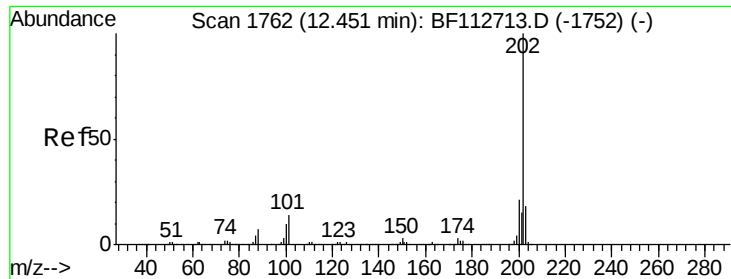
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#73
Carbazole
Concen: 2.211 ng
RT: 11.48 min Scan# 1597
Delta R.T. 0.01 min
Lab File: BF112830.D
Acq: 4 Mar 2019 17:56

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.4	17.5	26.3
139	12.5	10.8	16.2





#75

Fluoranthene

Concen: 28.534 ng

RT: 12.46 min Scan# 1764

Delta R.T. 0.01 min

Lab File: BF112830.D

Acq: 4 Mar 2019 17:56

Instrument :

BNA_F

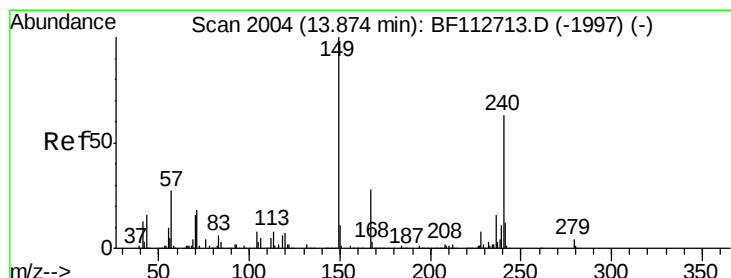
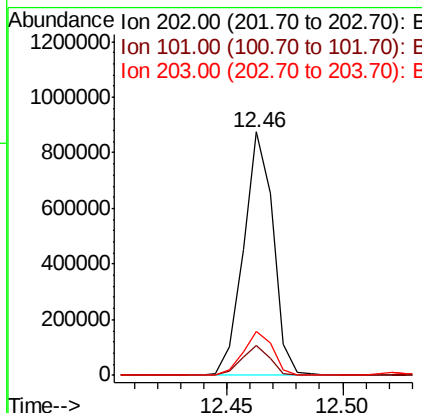
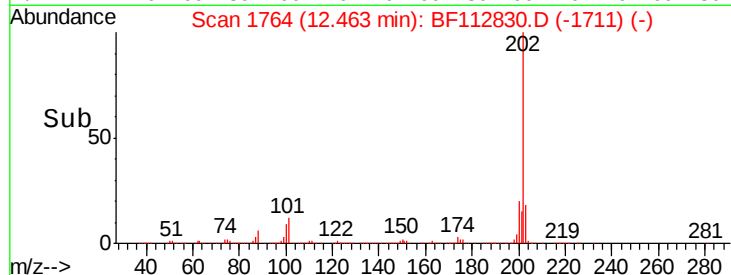
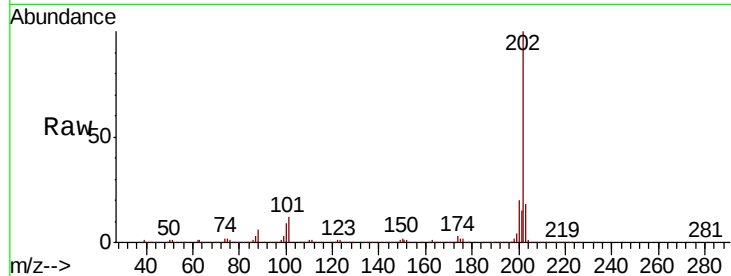
ClientSampled :

Z-2-2

Tot Ion:	202	Resp:	780976
Ion Ratio	Lower	Upper	
202	100		
101	12.2	0.0	33.8
203	17.8	0.0	38.4

Manual Integrations
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#76

Chrysene-d12

Concen: 20.000 ng

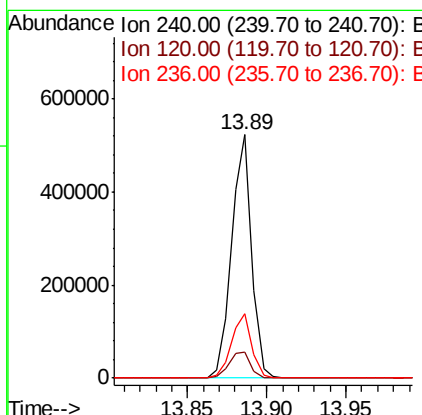
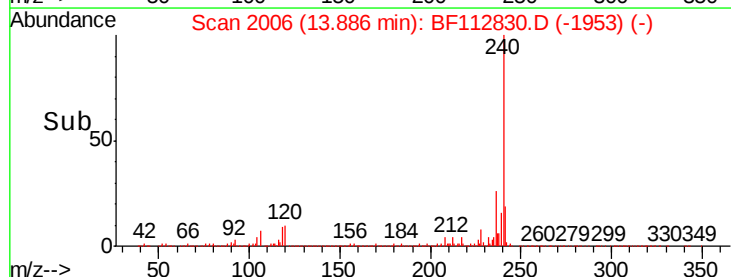
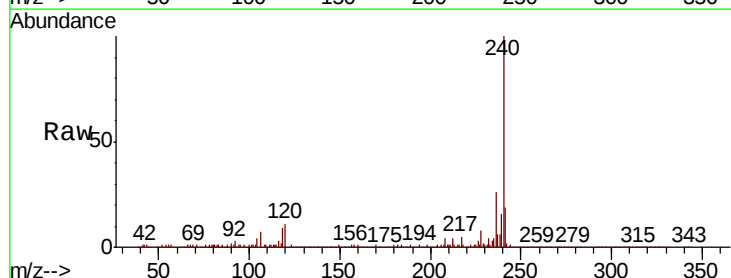
RT: 13.89 min Scan# 2006

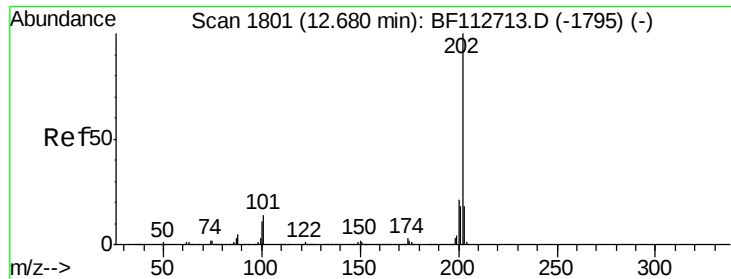
Delta R.T. 0.01 min

Lab File: BF112830.D

Acq: 4 Mar 2019 17:56

Tgt Ion:	240	Resp:	453163
Ion Ratio	Lower	Upper	
240	100		
120	10.6	8.9	13.3
236	26.4	20.7	31.1





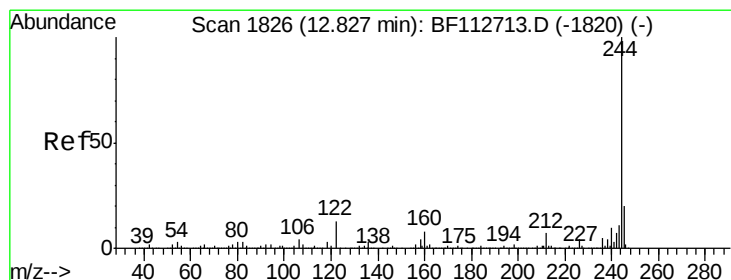
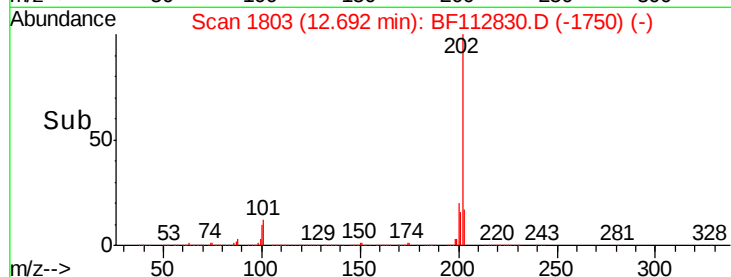
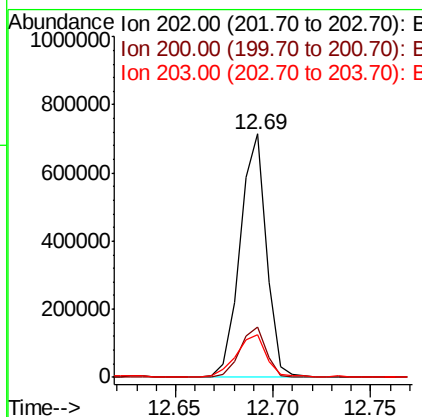
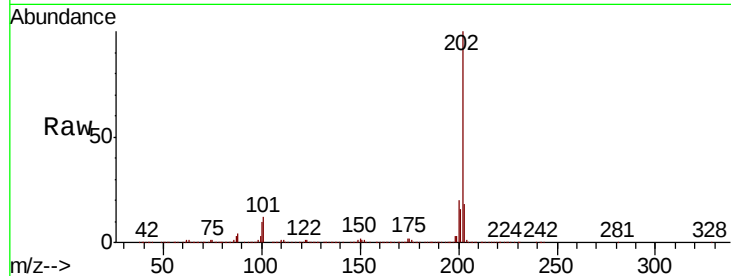
#78
Pvrene
Concen: 17.380 ng
RT: 12.69 min Scan# 1803
Delta R.T. 0.01 min
Lab File: BF112830.D
Acq: 4 Mar 2019 17:56

Instrument :
BNA_F
ClientSampleId :
Z-2-2

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.5	17.0	25.4
203	17.6	14.4	21.6

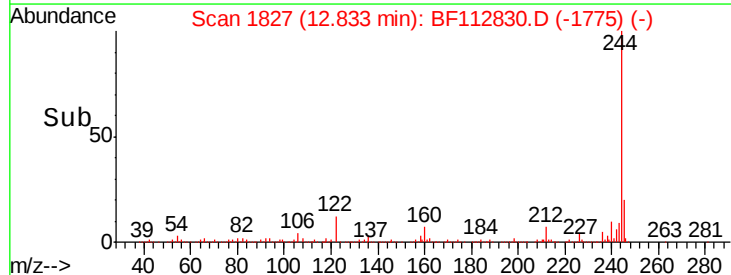
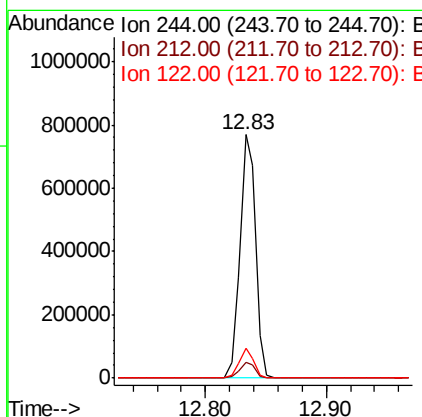
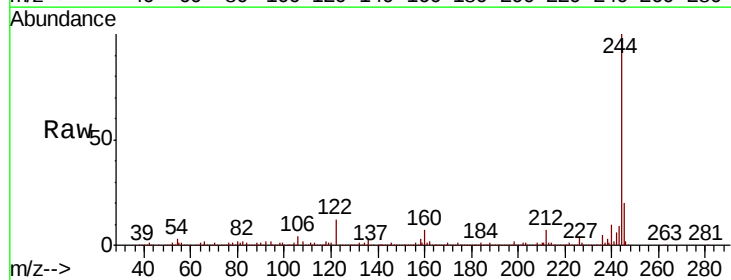
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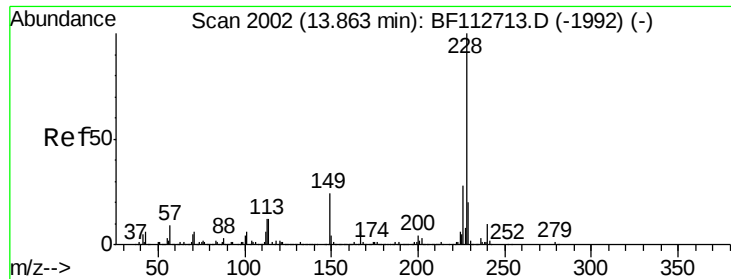
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#79
Terphenyl-d14
Concen: 29.659 ng
RT: 12.83 min Scan# 1827
Delta R.T. 0.01 min
Lab File: BF112830.D
Acq: 4 Mar 2019 17:56

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.6	5.6	8.4
122	12.0	10.5	15.7





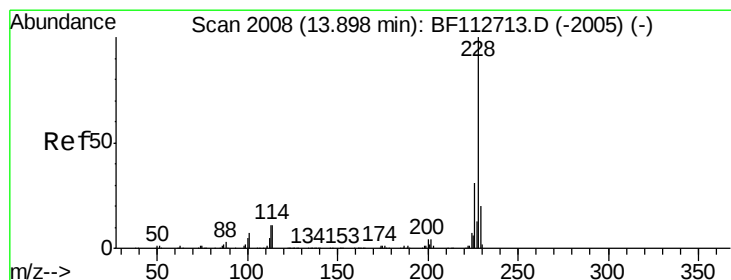
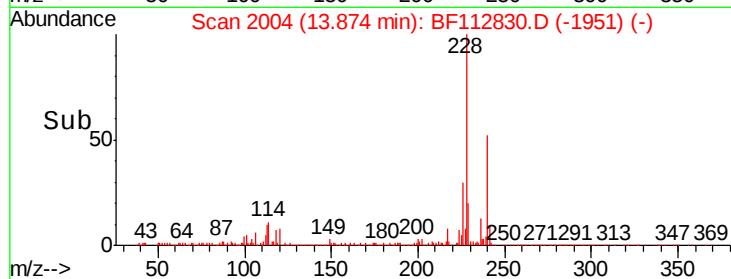
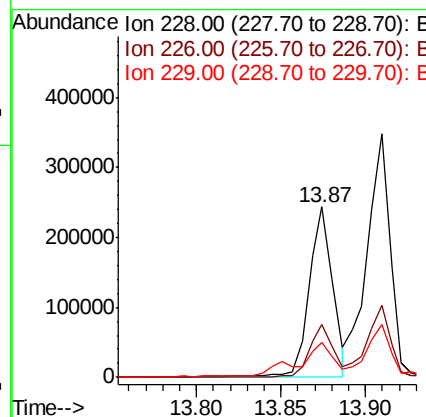
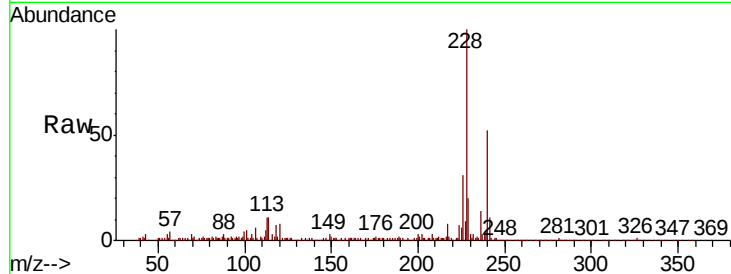
#81
Benzo(a)anthracene
Concen: 7.523 ng
RT: 13.87 min Scan# 2004
Delta R.T. 0.01 min
Lab File: BF112830.D
Acq: 4 Mar 2019 17:56

Instrument :
BNA_F
ClientSampleId :
Z-2-2

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.8	22.2	33.4
229	20.3	16.0	24.0

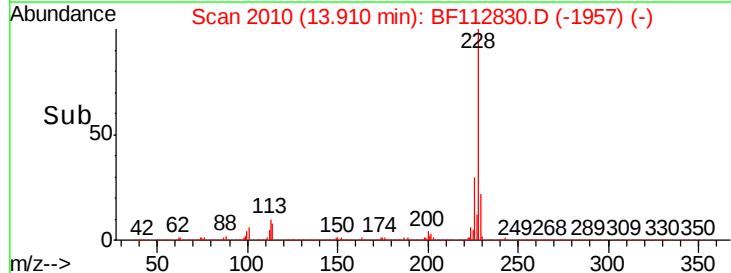
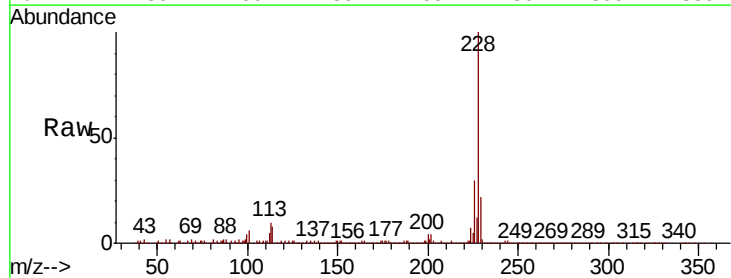
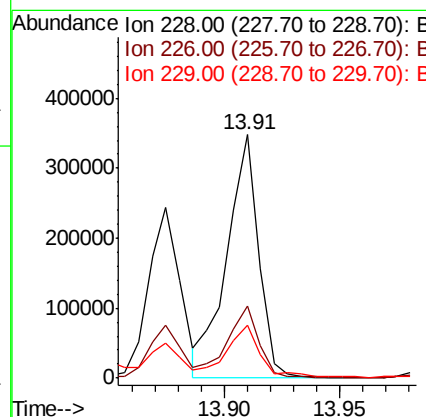
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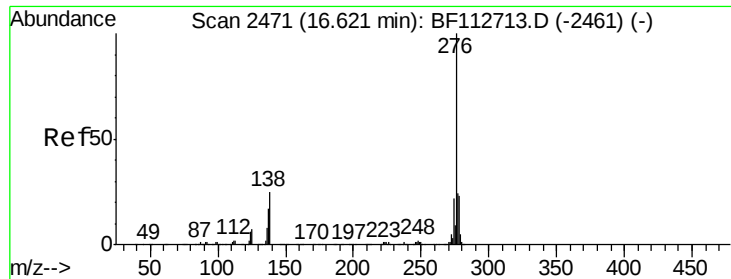
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#83
Chrysene
Concen: 10.755 ng
RT: 13.91 min Scan# 2010
Delta R.T. 0.01 min
Lab File: BF112830.D
Acq: 4 Mar 2019 17:56

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.9	37.3
229	21.9	16.3	24.5





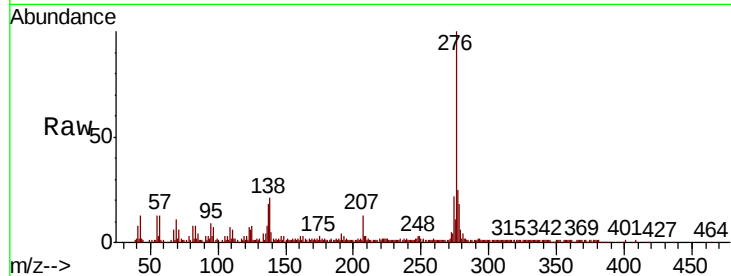
#86
Indeno(1,2,3-cd)pyrene
Concen: 5.309 ng
RT: 16.66 min Scan# 2478
Delta R.T. 0.04 min
Lab File: BF112830.D
Acq: 4 Mar 2019 17:56

Instrument :
BNA_F
ClientSampled :
Z-2-2

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.1	23.2	34.8#
277	24.7	19.9	29.9

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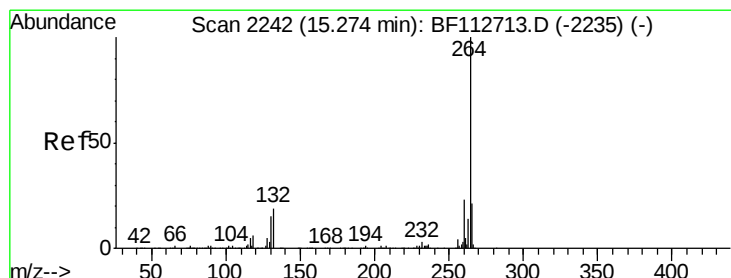
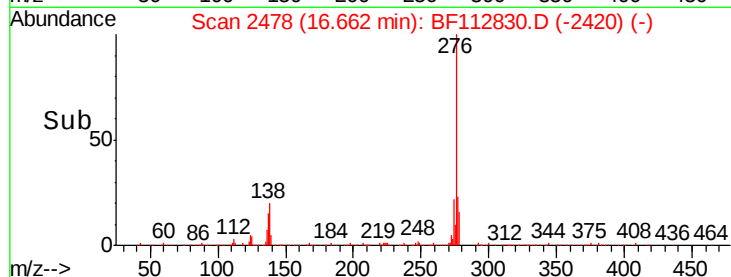
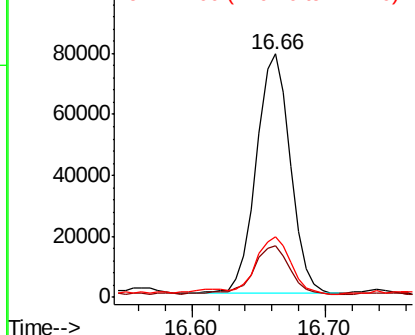


Abundance

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
Perylene-d12
Concen: 20.000 ng
RT: 15.30 min Scan# 2246
Delta R.T. 0.02 min
Lab File: BF112830.D
Acq: 4 Mar 2019 17:56

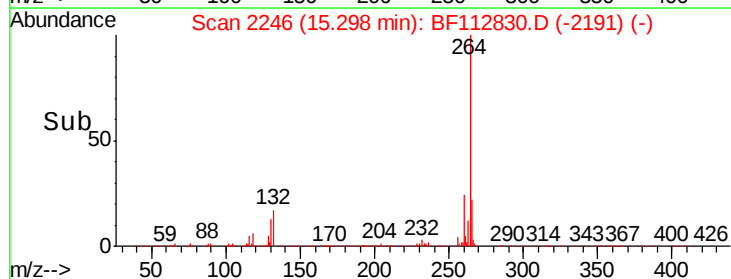
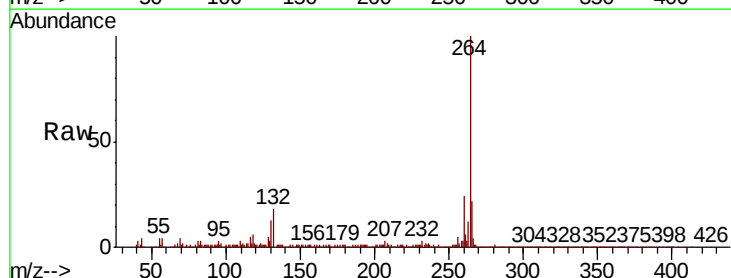
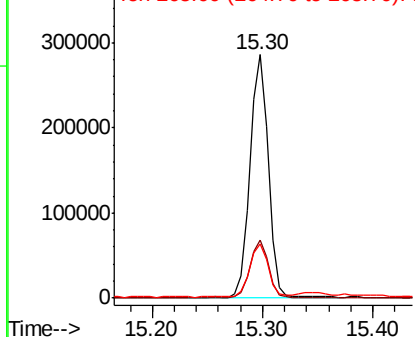
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.7	28.1
265	22.5	17.2	25.8

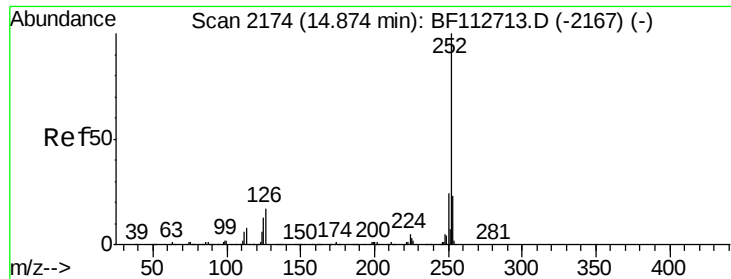
Abundance

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





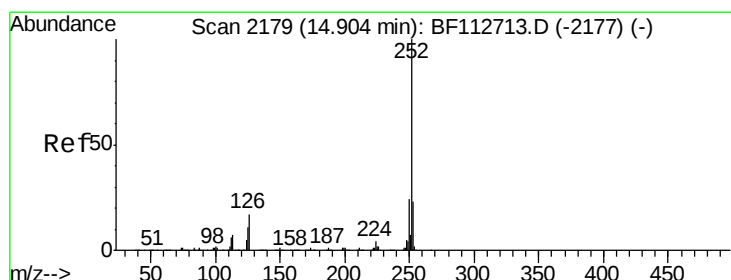
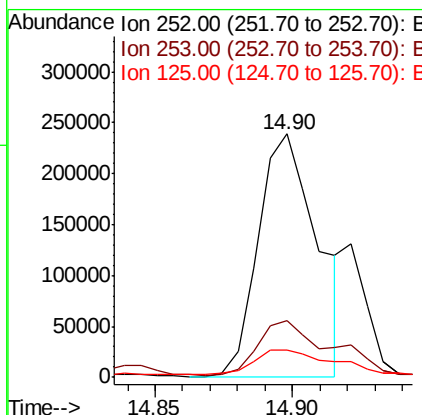
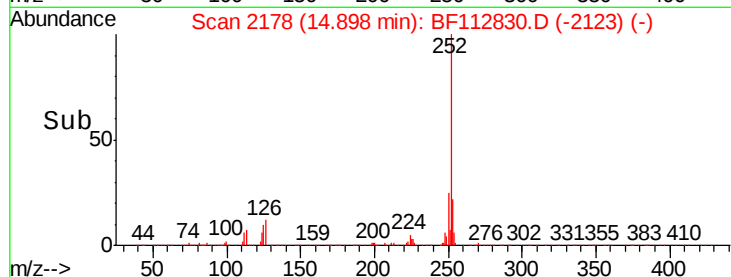
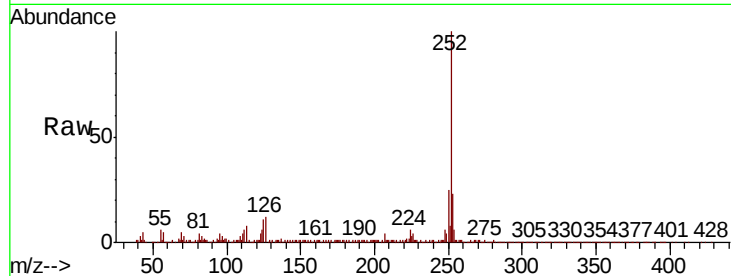
#88
Benzo(b)fluoranthene
Concen: 16.680 ng m
RT: 14.90 min Scan# 2178
Delta R.T. 0.02 min
Lab File: BF112830.D
Acq: 4 Mar 2019 17:56

Instrument :
BNA_F
ClientSampleId :
Z-2-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.0	27.0
125	11.2	10.2	15.2

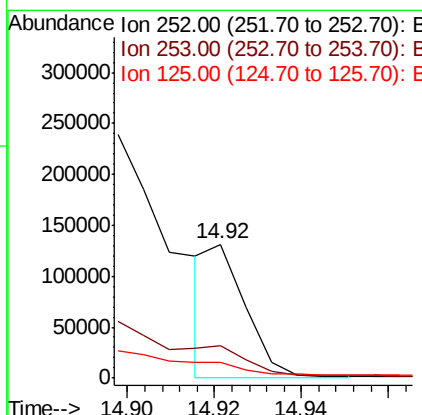
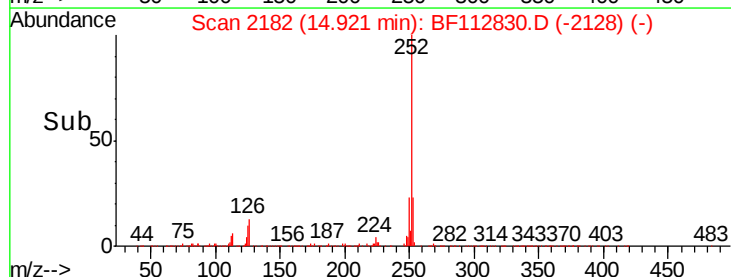
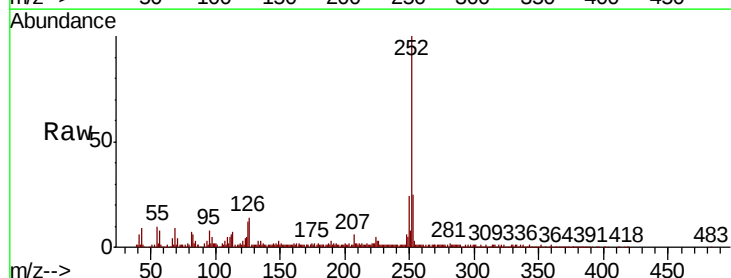
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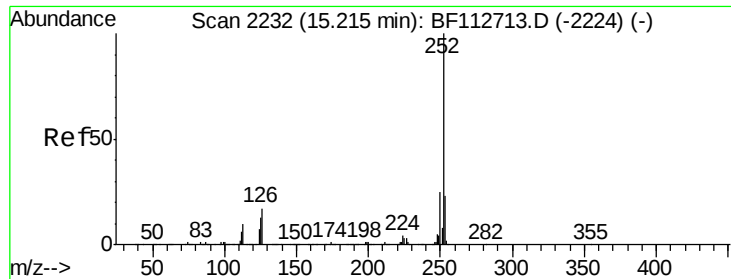
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#89
Benzo(k)fluoranthene
Concen: 4.039 ng m
RT: 14.92 min Scan# 2182
Delta R.T. 0.02 min
Lab File: BF112830.D
Acq: 4 Mar 2019 17:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.2	27.2
125	11.7	9.8	14.6





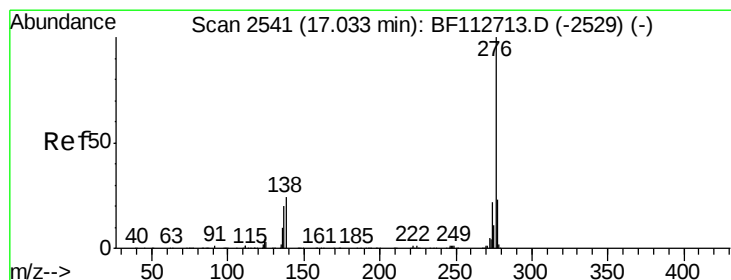
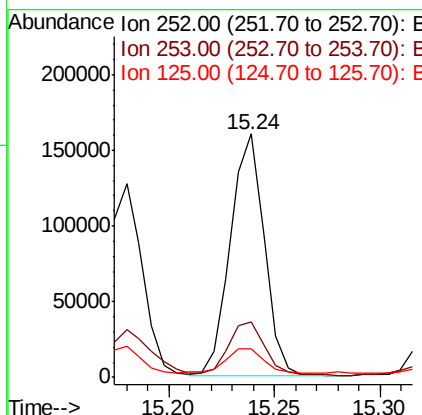
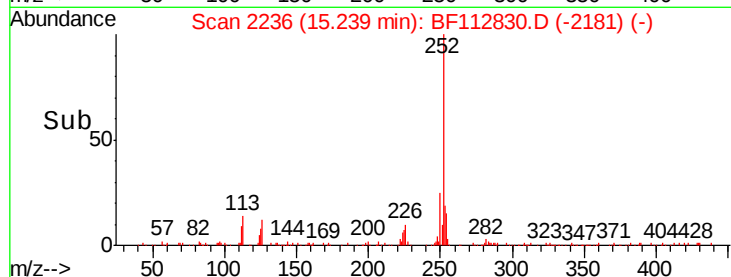
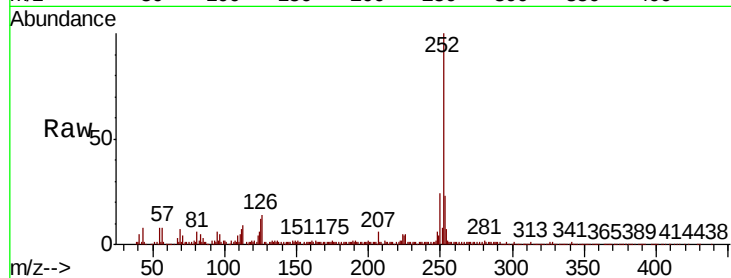
#90
Benzo(a)pyrene
Concen: 9.255 ng
RT: 15.24 min Scan# 2236
Delta R.T. 0.02 min
Lab File: BF112830.D
Acq: 4 Mar 2019 17:56

Instrument :
BNA_F
ClientSampleId :
Z-2-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.0	27.0
125	12.0	10.7	16.1

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 8.781 ng
RT: 17.07 min Scan# 2548
Delta R.T. 0.04 min
Lab File: BF112830.D
Acq: 4 Mar 2019 17:56

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.7	18.6	27.8
138	19.0	19.4	29.0

