

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122617\
 Data File : BF101730.D
 Acq On : 26 Dec 2017 22:54
 Operator : SJ/JU
 Sample : I6966-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DB-EW-3-0-4

Manual Integrations
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Quant Time: Dec 27 06:22:17 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 26 10:48:01 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	138306	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	504183	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	193258	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	328470	20.00	ng	0.00
75) Chrysene-d12	13.97	240	265660	20.00	ng	0.00
86) Perylene-d12	15.45	264	238167	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	315568	33.99	ng	0.00
7) Phenol-d6	6.43	99	586340	50.74	ng	0.00
23) Nitrobenzene-d5	7.36	82	343986	37.98	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	171302	91.99	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	744161	59.73	ng	0.00
78) Terphenyl-d14	12.90	244	702186	63.72	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.55	163	38249	2.461	ng	Qvalue # 97
57) Fluorene	10.38	166	26847	2.007	ng	97
70) Phenanthrene	11.35	178	254695	13.943	ng	99
71) Anthracene	11.40	178	57573m	3.086	ng	
74) Fluoranthene	12.54	202	361071	18.832	ng	98
77) Pyrene	12.77	202	322954	16.198	ng	99
80) Benzo(a)anthracene	13.97	228	150394	8.573	ng	97
82) Chrysene	14.00	228	160230	9.674	ng	97
85) Indeno(1,2,3-cd)pyrene	16.94	276	75011	5.086	ng	92
87) Benzo(b)fluoranthene	15.03	252	169307m	11.663	ng	
88) Benzo(k)fluoranthene	15.05	252	64659m	4.581	ng	
89) Benzo(a)pyrene	15.39	252	119563	8.934	ng	# 83
91) Benzo(g,h,i)perylene	17.39	276	73684	6.476	ng	# 94

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

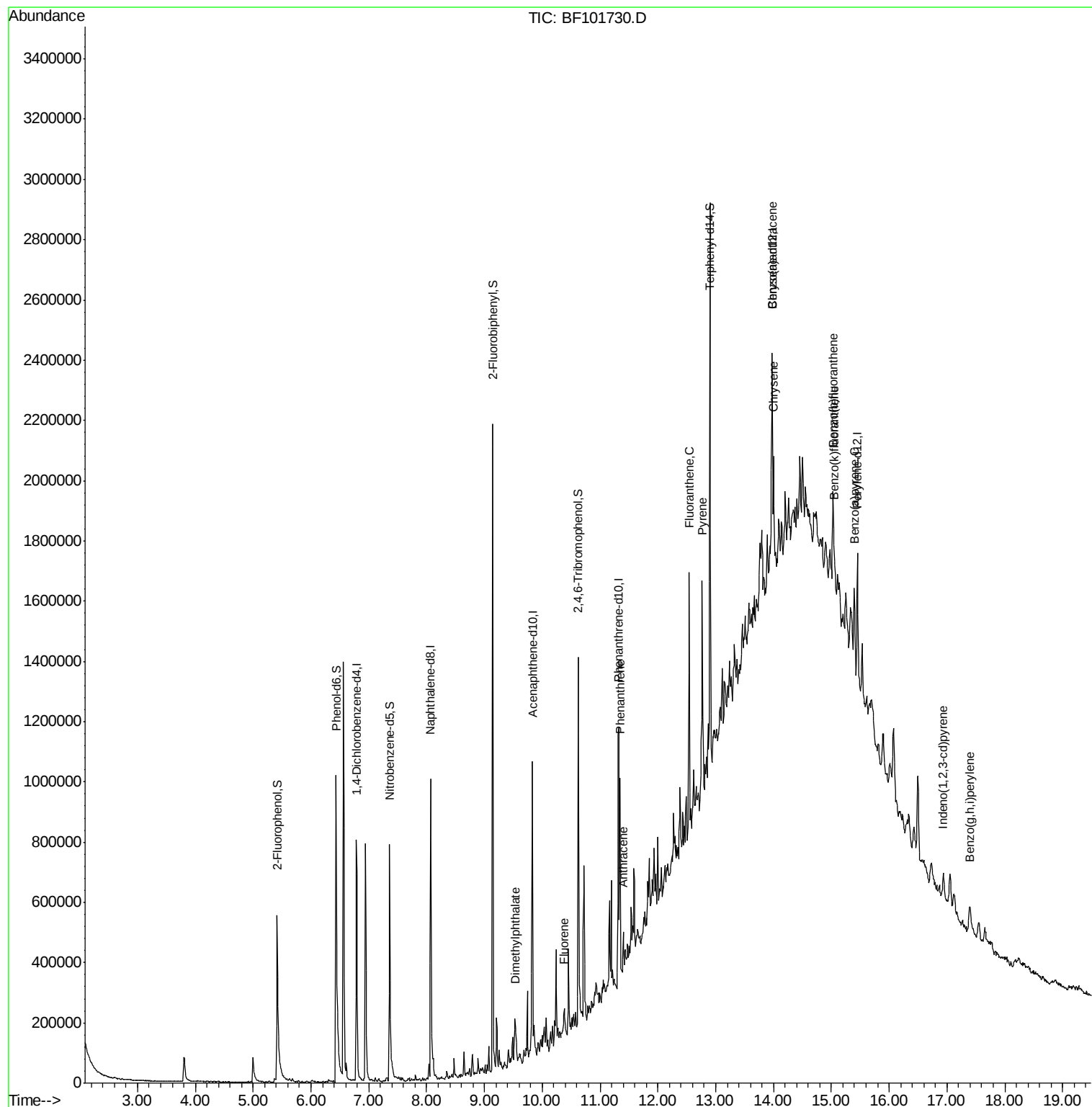
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122617\
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ALS Vial : 11 Sample Multiplier: 1

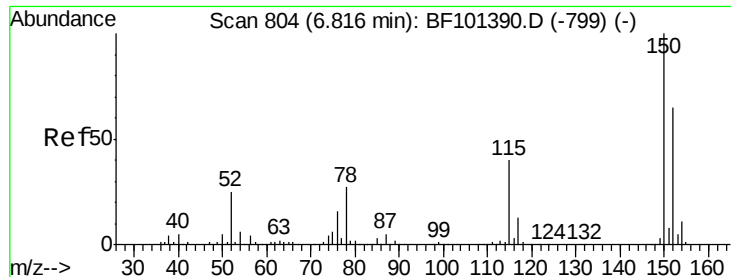
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
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#1

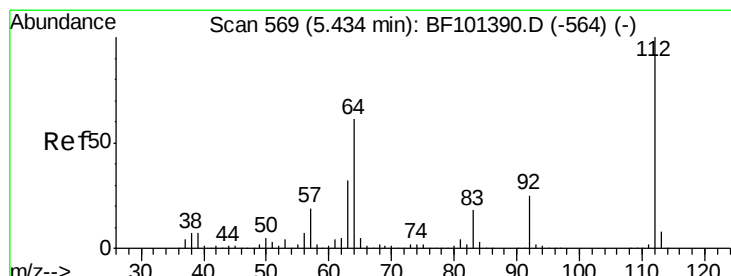
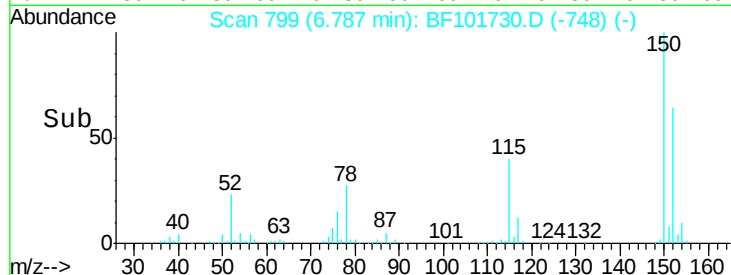
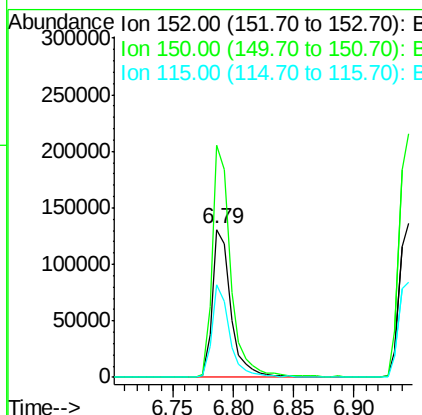
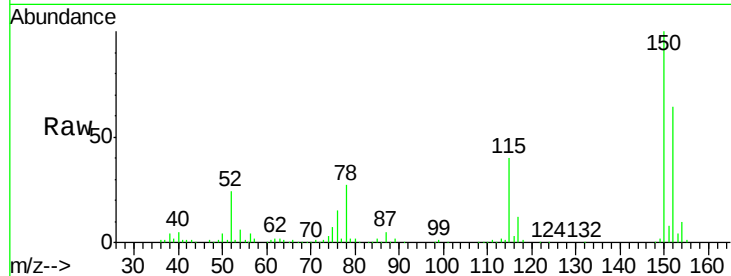
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. 0.00 min
Lab File: BF101730.D
Acq: 26 Dec 2017 22:54

Instrument :
BNA_F
ClientSampleId :
DB-EW-3-0-4

Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.9	124.6	186.8
115	62.7	50.1	75.1

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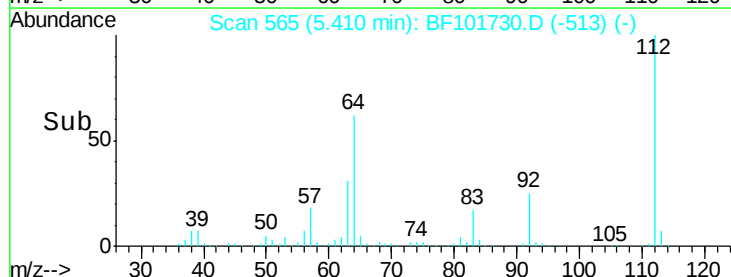
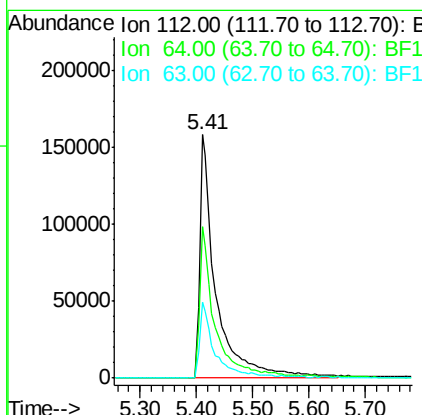
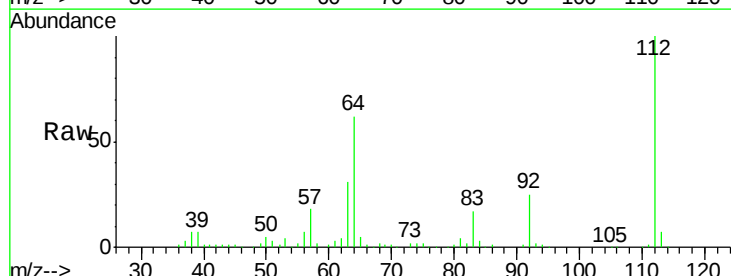
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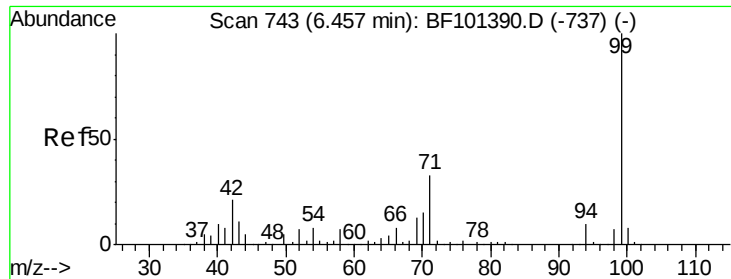


#5

2-Fluorophenol
Concen: 33.987 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BF101730.D
Acq: 26 Dec 2017 22:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.1	47.9	71.9
63	31.0	23.7	35.5





#7

Phenol-d6

Concen: 50.742 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.00 min

Lab File: BF101730.D

Acq: 26 Dec 2017 22:54

Instrument :

BNA_F

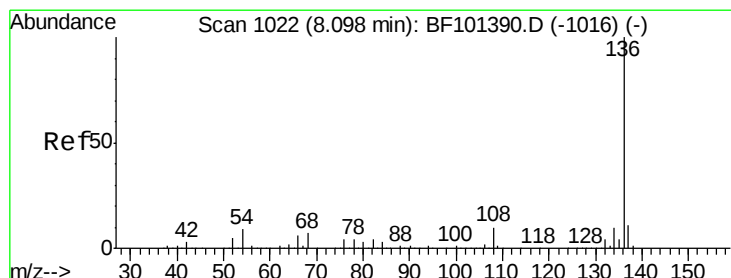
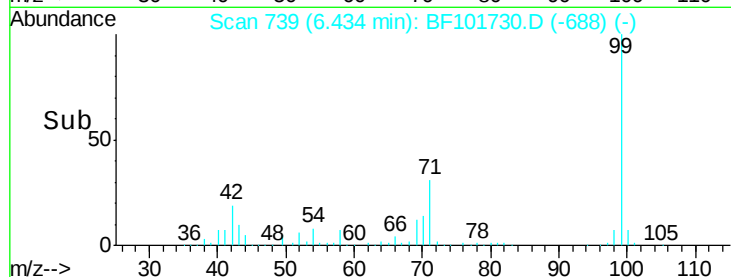
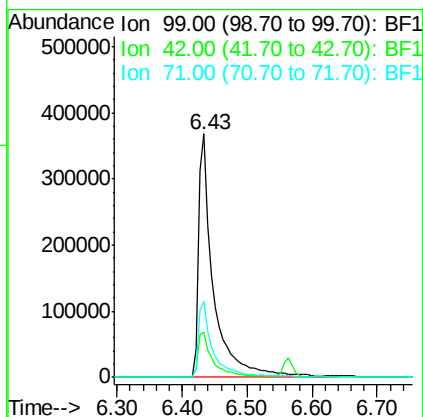
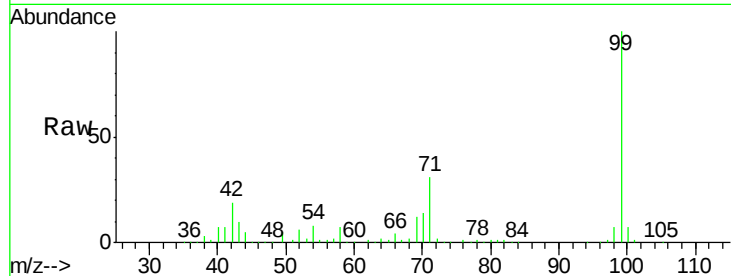
ClientSampleId :

DB-EW-3-0-4

Tgt Ion:	99	Resp:	586340
Ion Ratio	Lower	Upper	
99	100		
42	18.5	14.5	21.7
71	31.0	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

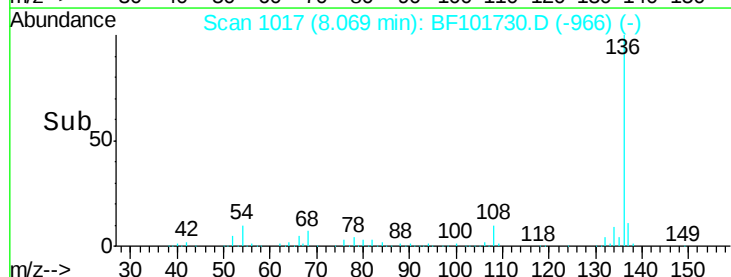
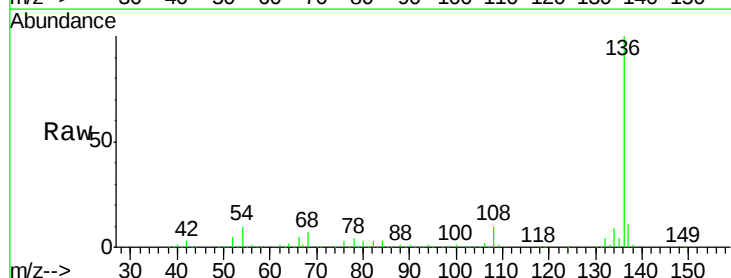
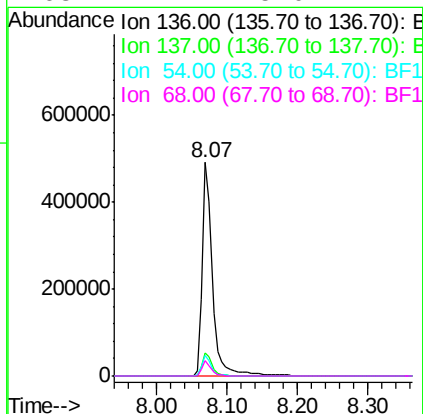
RT: 8.07 min Scan# 1017

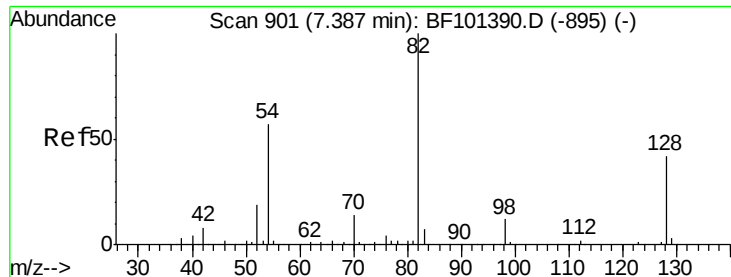
Delta R.T. 0.00 min

Lab File: BF101730.D

Acq: 26 Dec 2017 22:54

Tgt Ion:	136	Resp:	504183
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.9	13.3
54	9.8	6.6	9.8
68	7.1	5.0	7.4





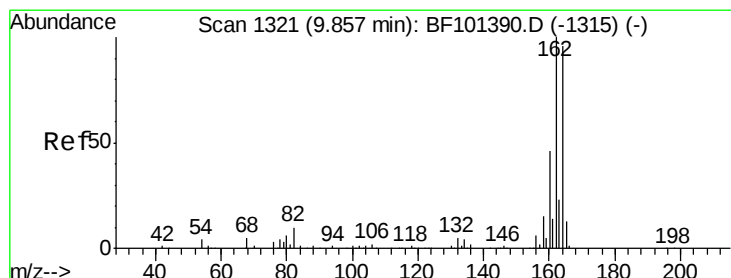
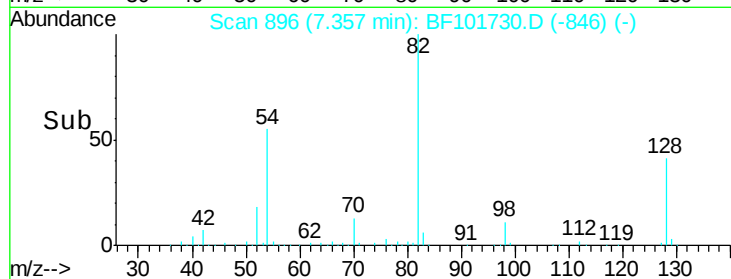
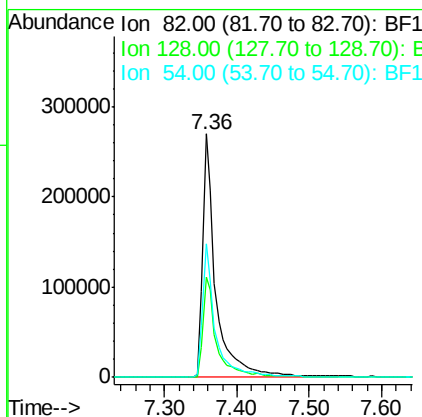
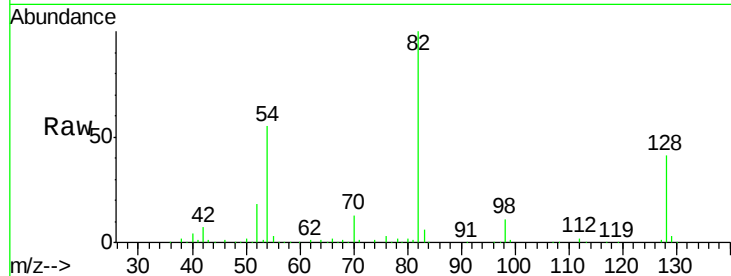
#23
Nitrobenzene-d5
Concen: 37.979 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF101730.D
Acq: 26 Dec 2017 22:54

Instrument :
BNA_F
ClientSampleId :
DB-EW-3-0-4

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	343986		
128	41.2	36.1	54.1	
54	54.6	41.4	62.2	

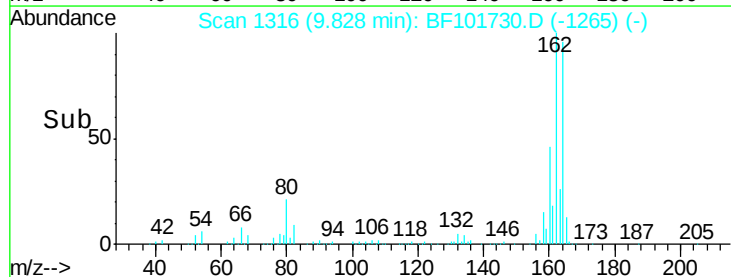
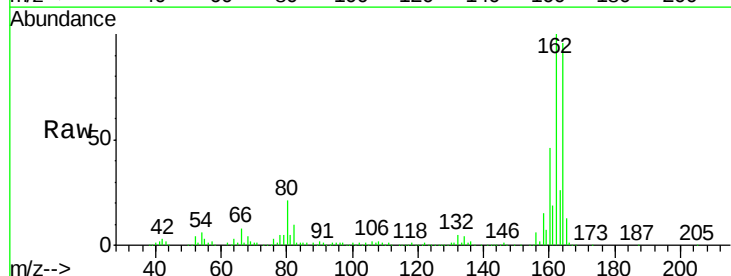
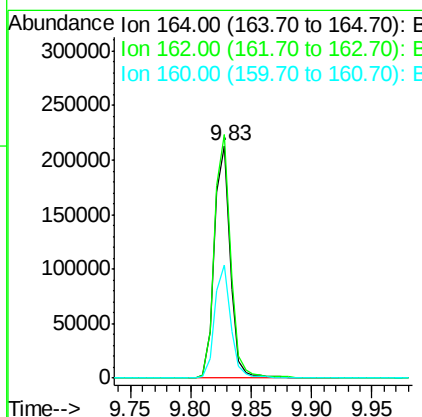
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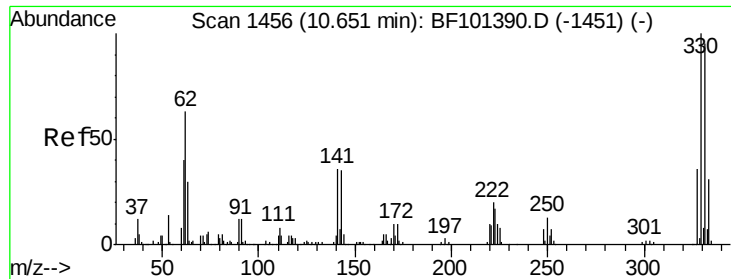
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. 0.00 min
Lab File: BF101730.D
Acq: 26 Dec 2017 22:54

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	193258		
162	104.7	86.1	129.1	
160	48.4	38.3	57.5	





#41

2,4,6-Tribromophenol

Concen: 91.989 ng

RT: 10.62 min Scan# 1451

Delta R.T. 0.00 min

Lab File: BF101730.D

Acq: 26 Dec 2017 22:54

Instrument :

BNA_F

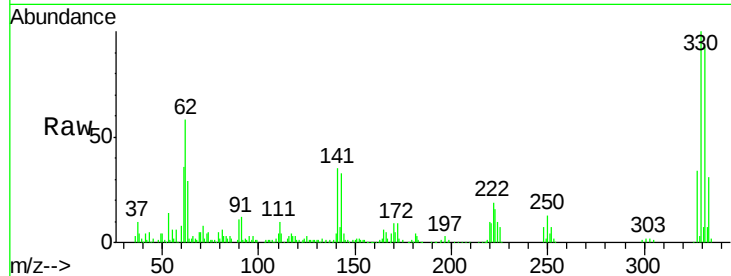
ClientSampleId :

DB-EW-3-0-4

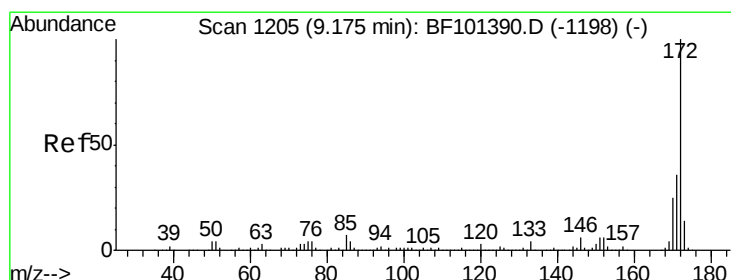
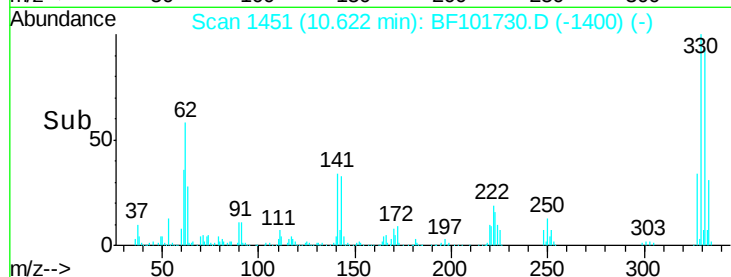
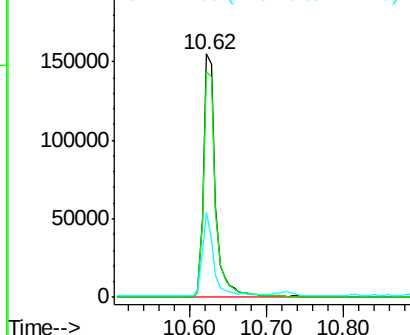
Tgt Ion:	330	Resp:	171302
Ion Ratio	Lower	Upper	
330	100		
332	94.1	77.0	115.6
141	32.4	29.9	44.9

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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: 59.732 ng

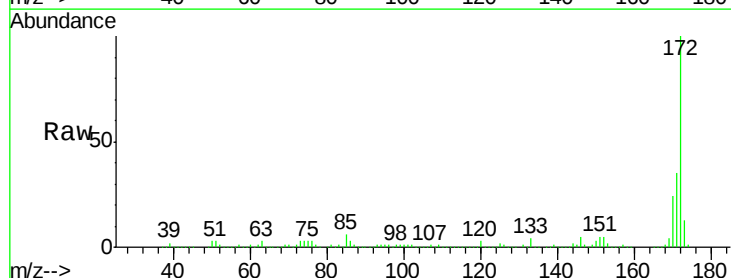
RT: 9.15 min Scan# 1200

Delta R.T. 0.00 min

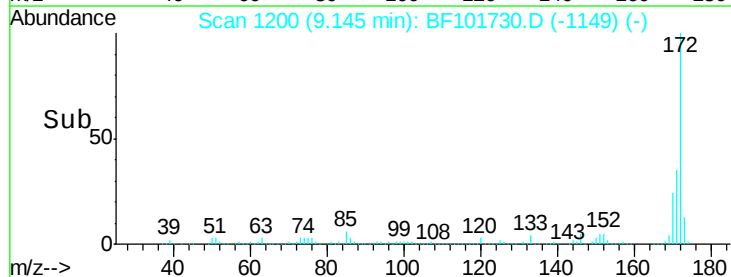
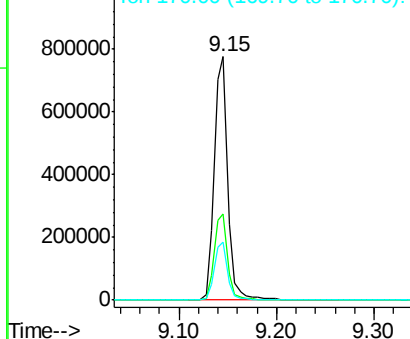
Lab File: BF101730.D

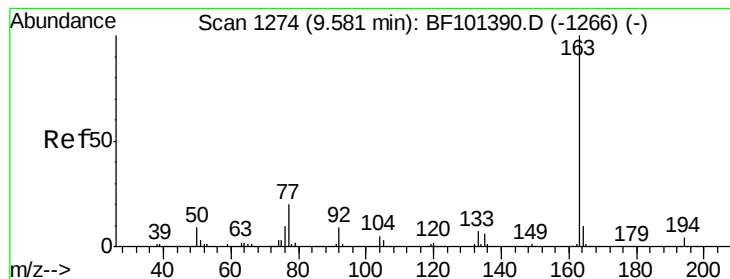
Acq: 26 Dec 2017 22:54

Tgt Ion:	172	Resp:	744161
Ion Ratio	Lower	Upper	
172	100		
171	35.2	29.7	44.5
170	23.9	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: 2.461 ng

RT: 9.55 min Scan# 1268

Delta R.T. -0.01 min

Lab File: BF101730.D

Acq: 26 Dec 2017 22:54

Instrument :

BNA_F

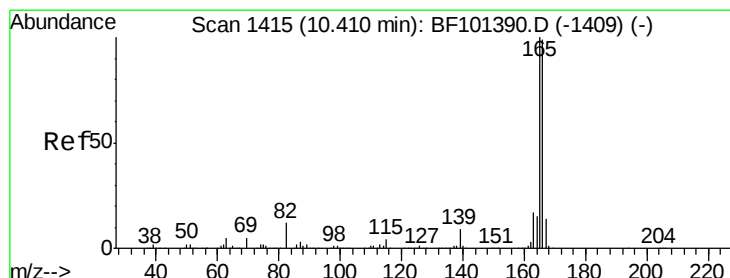
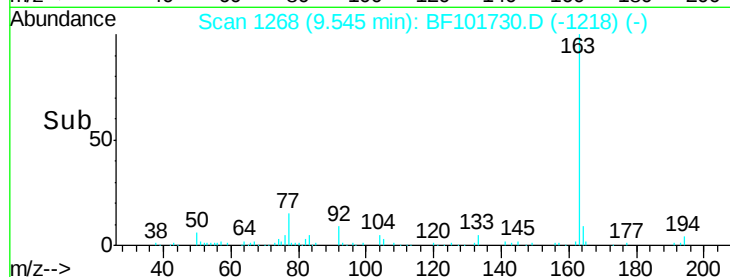
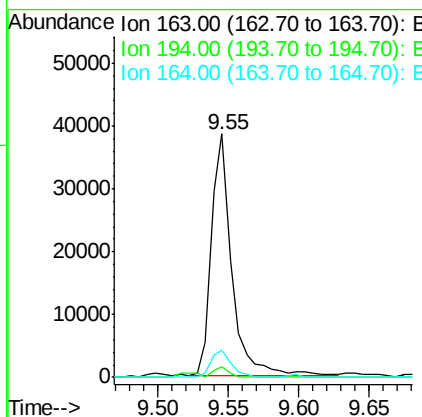
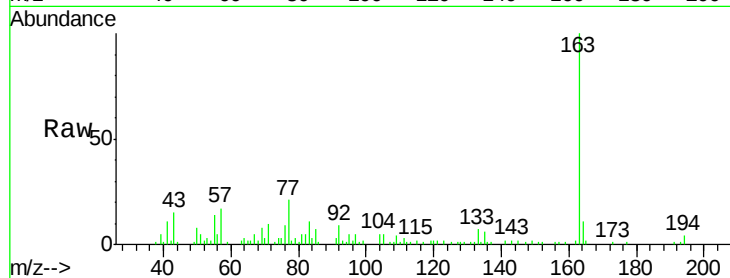
ClientSampleId :

DB-EW-3-0-4

Tgt Ion:	163	Resp:	38249
Ion Ratio	Lower	Upper	
163	100		
194	4.3	2.7	4.1#
164	11.2	8.2	12.2

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#57

Fluorene

Concen: 2.007 ng

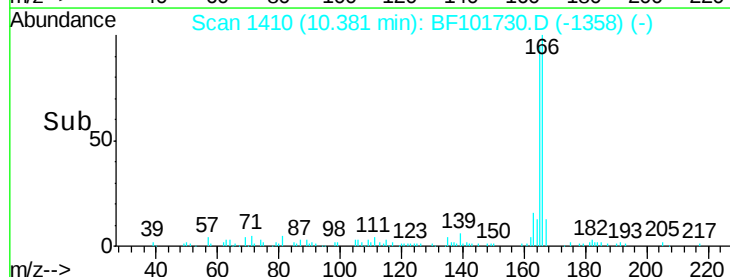
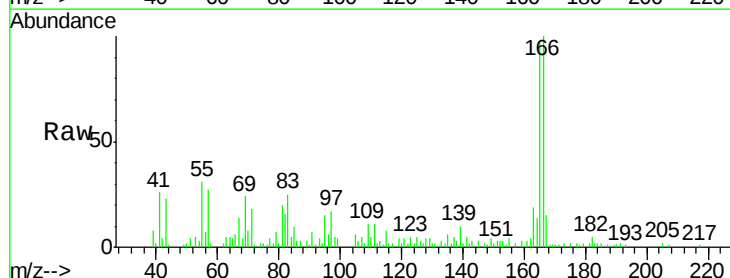
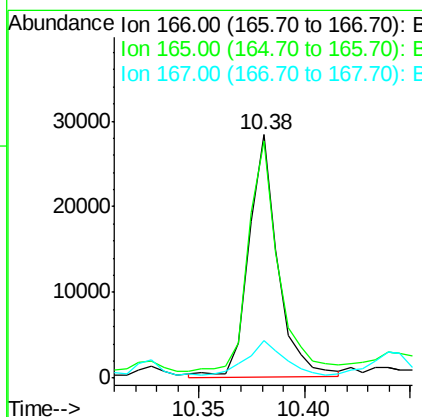
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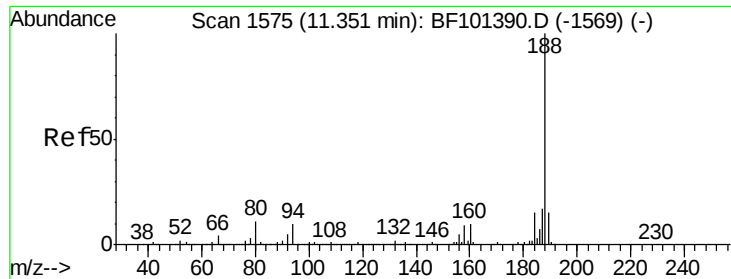
Delta R.T. 0.01 min

Lab File: BF101730.D

Acq: 26 Dec 2017 22:54

Tgt Ion:	166	Resp:	26847
Ion Ratio	Lower	Upper	
166	100		
165	97.5	79.8	119.8
167	15.3	10.6	16.0





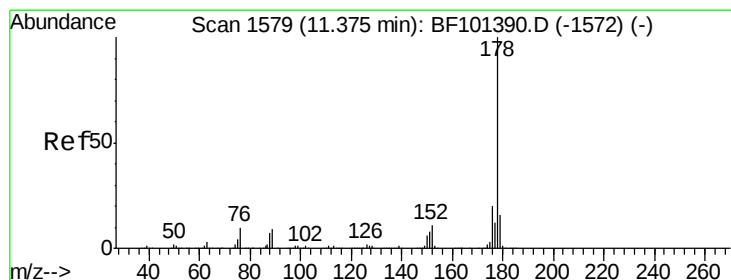
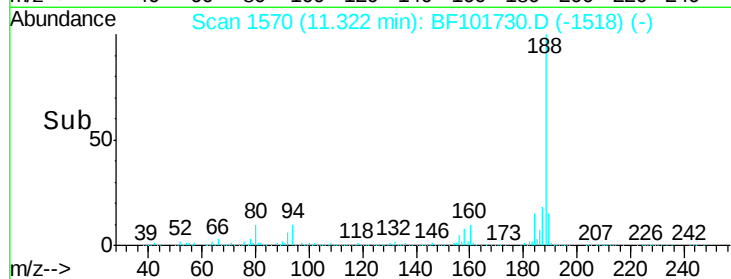
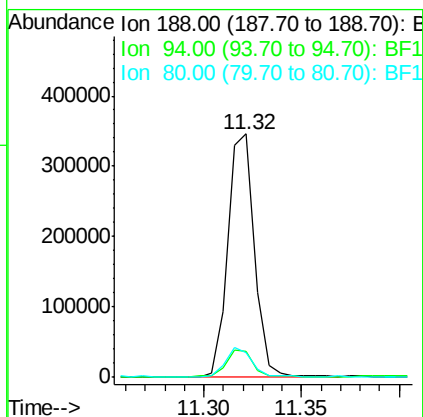
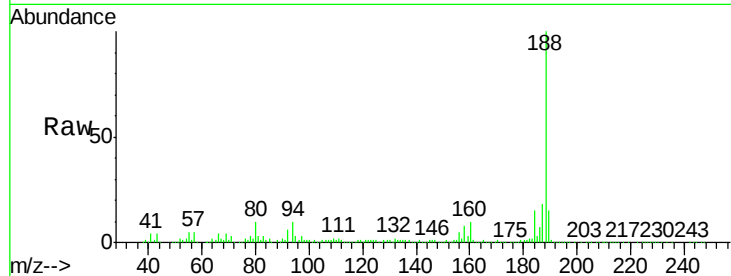
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. 0.01 min
Lab File: BF101730.D
Acq: 26 Dec 2017 22:54

Instrument :
BNA_F
ClientSampleId :
DB-EW-3-0-4

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	328470		
94	10.4	8.5	12.7	
80	10.2	9.2	13.8	

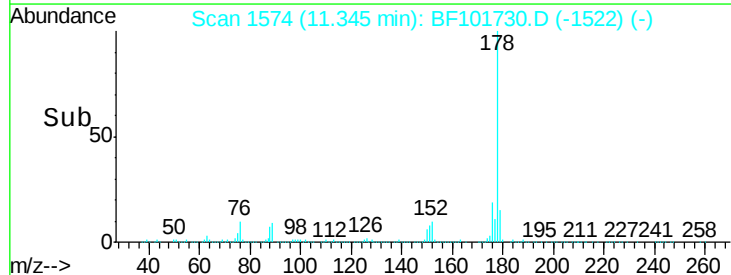
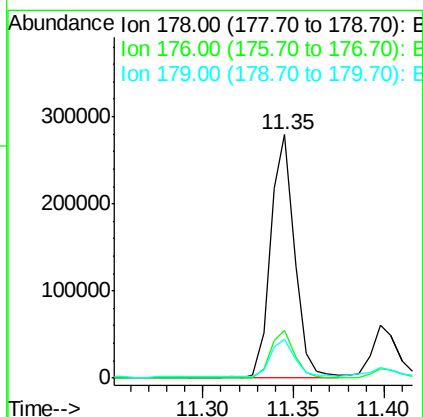
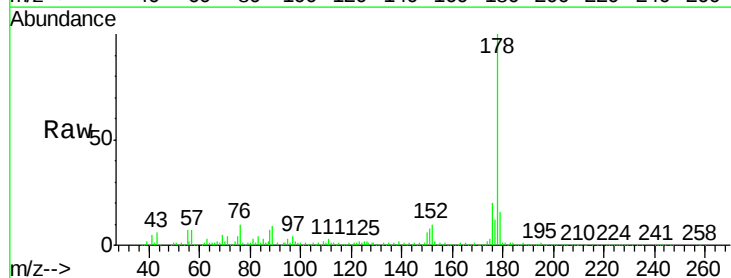
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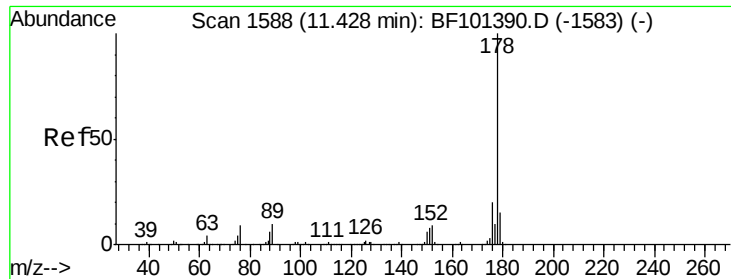
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#70
Phenanthrene
Concen: 13.943 ng
RT: 11.35 min Scan# 1574
Delta R.T. 0.01 min
Lab File: BF101730.D
Acq: 26 Dec 2017 22:54

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	254695		
176	19.5	15.8	23.8	
179	15.9	13.0	19.6	





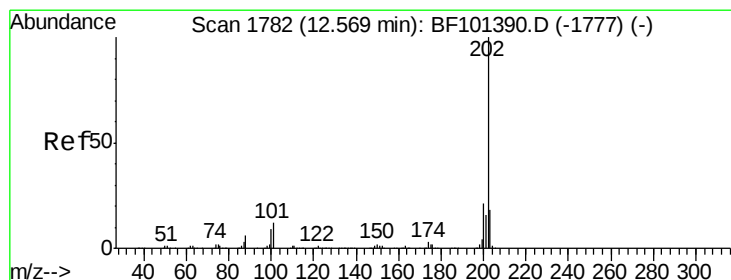
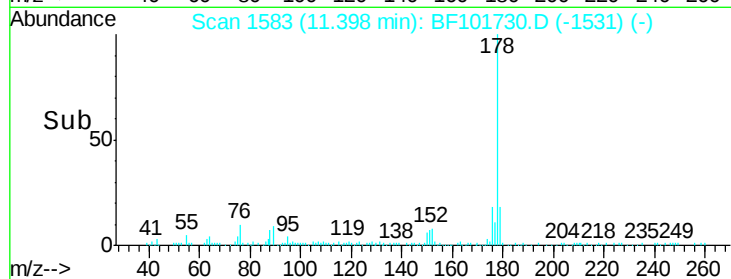
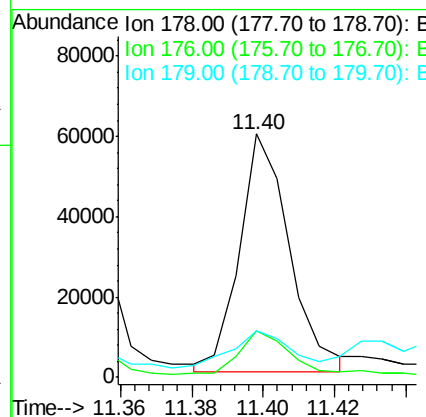
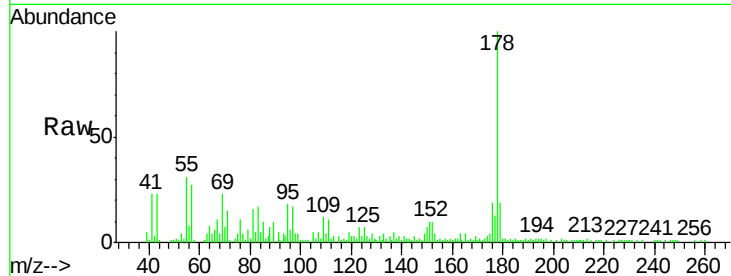
#71
 Anthracene
 Concen: 3.086 ng m
 RT: 11.40 min Scan# 1583
 Delta R.T. 0.01 min
 Lab File: BF101730.D
 Acq: 26 Dec 2017 22:54

Instrument :
 BNA_F
 ClientSampleId :
 DB-EW-3-0-4

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.2
179	19.1	12.6	19.0

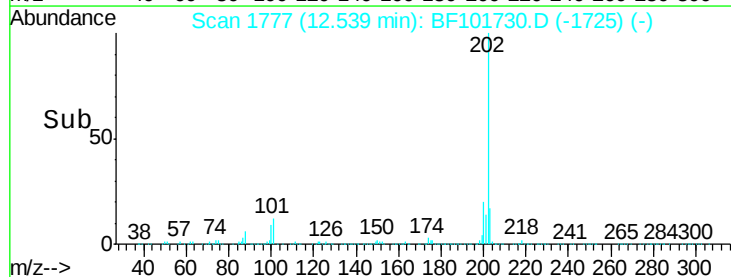
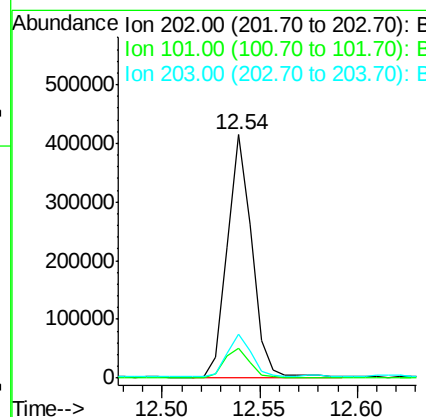
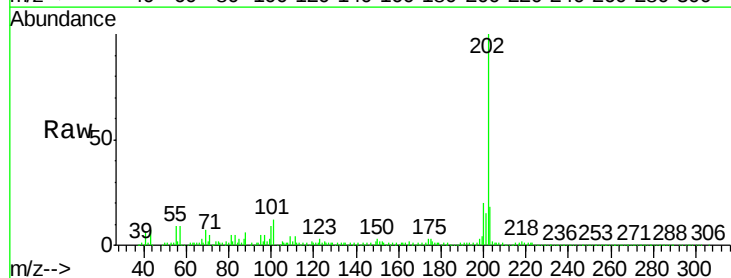
Manual Integrations
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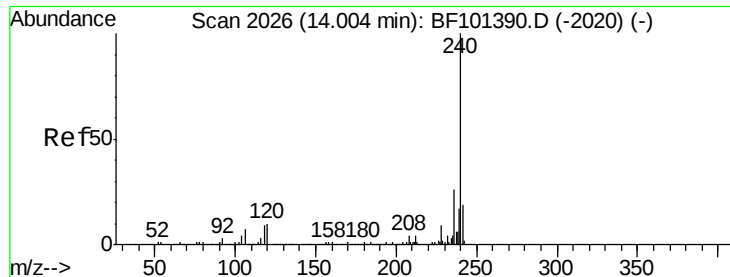
Sohil
 12/27/2017 4:15:05 PM



#74
 Fluoranthene
 Concen: 18.832 ng
 RT: 12.54 min Scan# 1777
 Delta R.T. 0.01 min
 Lab File: BF101730.D
 Acq: 26 Dec 2017 22:54

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	34.1
203	17.8	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2021

Delta R.T. 0.01 min

Lab File: BF101730.D

Acq: 26 Dec 2017 22:54

Instrument :

BNA_F

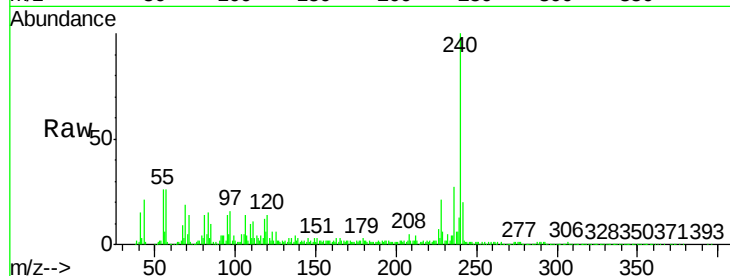
ClientSampleId :

DB-EW-3-0-4

Tgt Ion:	240	Resp:	265660
Ion Ratio	Lower	Upper	
240	100		
120	13.9	9.5	14.3
236	26.7	20.7	31.1

Manual Integrations
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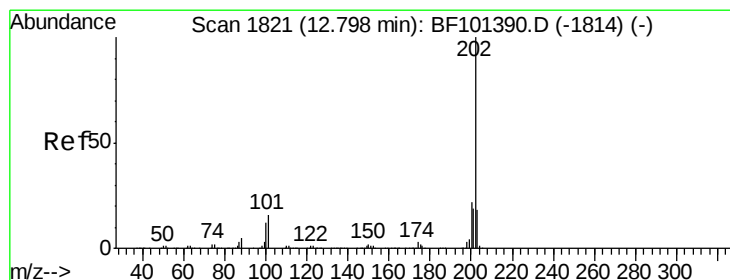
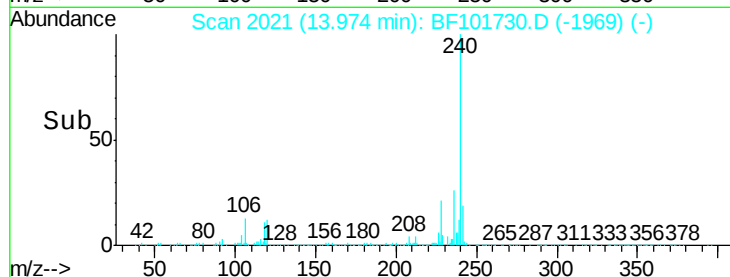
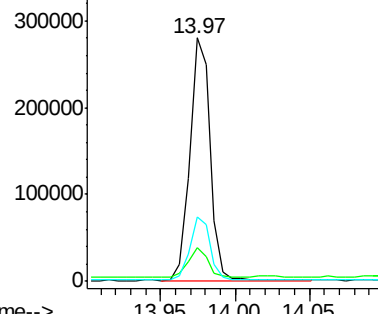
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 16.198 ng

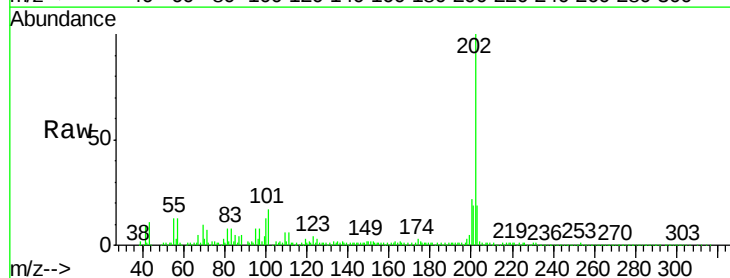
RT: 12.77 min Scan# 1816

Delta R.T. 0.01 min

Lab File: BF101730.D

Acq: 26 Dec 2017 22:54

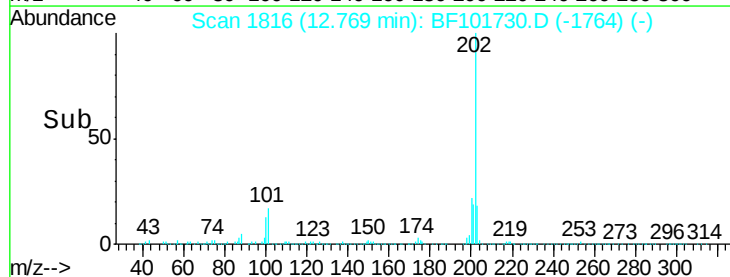
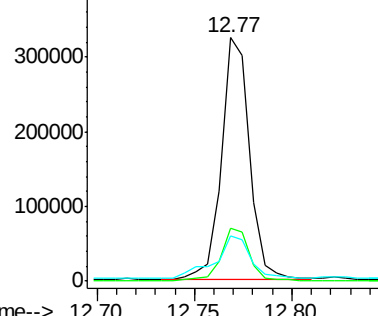
Tgt Ion:	202	Resp:	322954
Ion Ratio	Lower	Upper	
202	100		
200	22.0	17.4	26.2
203	18.6	14.3	21.5

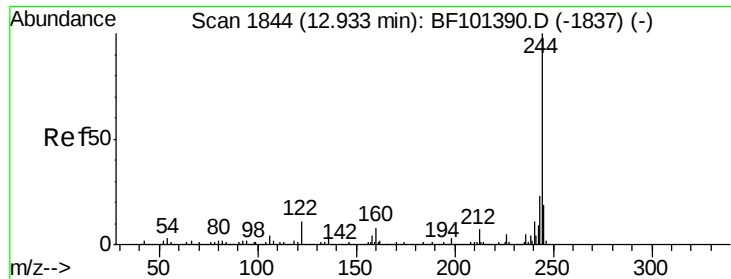


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





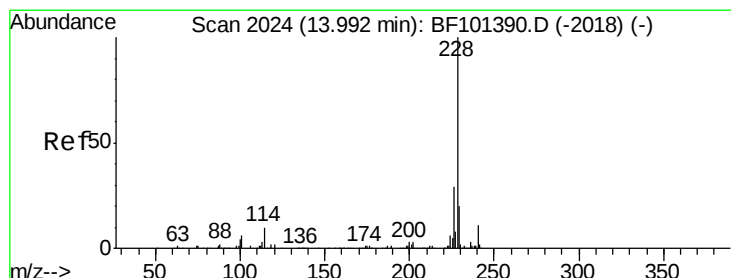
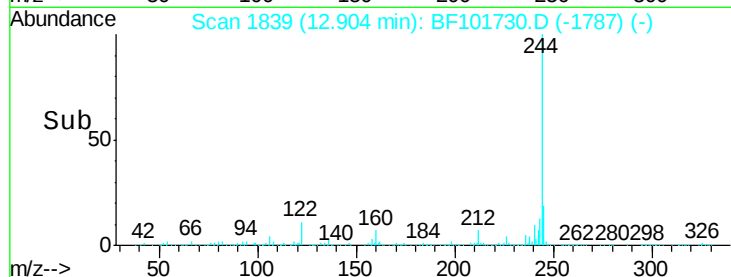
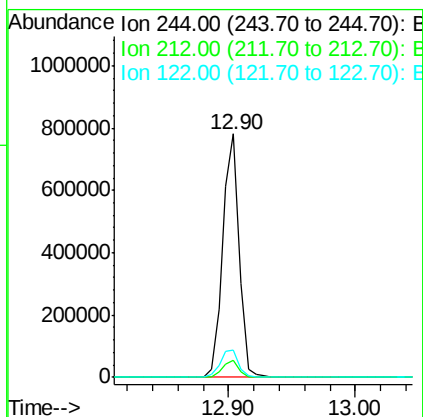
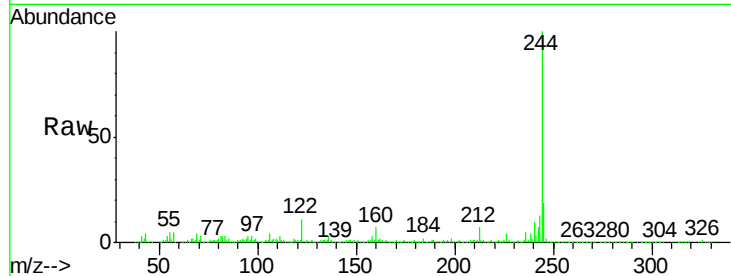
#78
 Terphenyl-d14
 Concen: 63.721 ng
 RT: 12.90 min Scan# 1839
 Delta R.T. 0.01 min
 Lab File: BF101730.D
 Acq: 26 Dec 2017 22:54

Instrument :
 BNA_F
 ClientSampleID :
 DB-EW-3-0-4

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.4	8.0
122	11.2	11.0	16.4

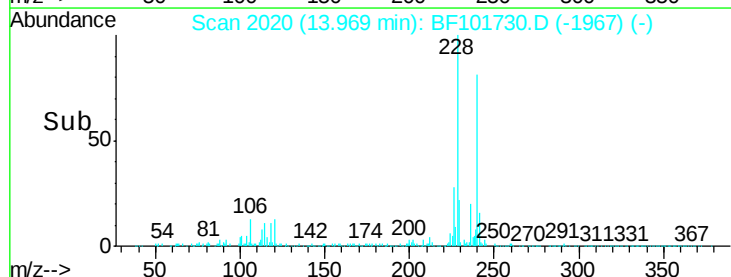
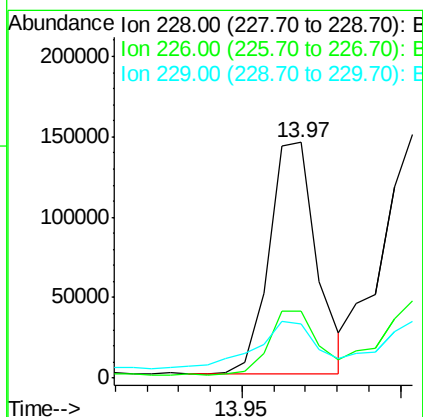
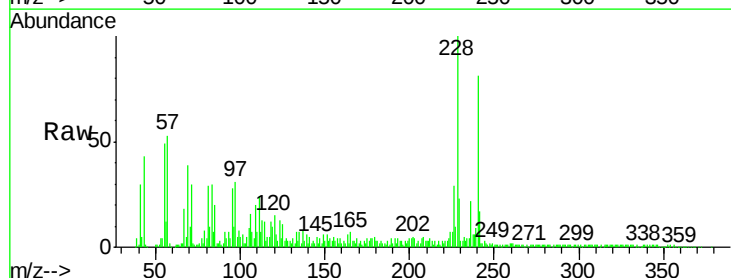
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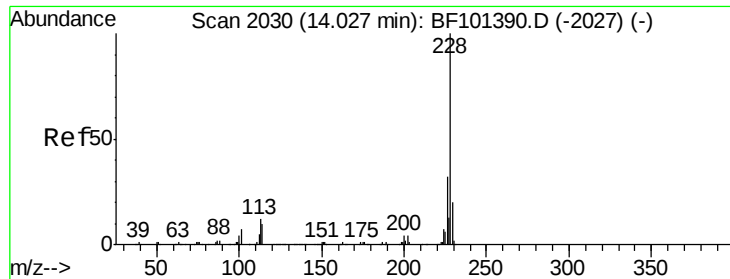
Sohil
 12/27/2017 4:15:05 PM



#80
 Benzo(a)anthracene
 Concen: 8.573 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. 0.01 min
 Lab File: BF101730.D
 Acq: 26 Dec 2017 22:54

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.6	33.8
229	23.1	15.8	23.6





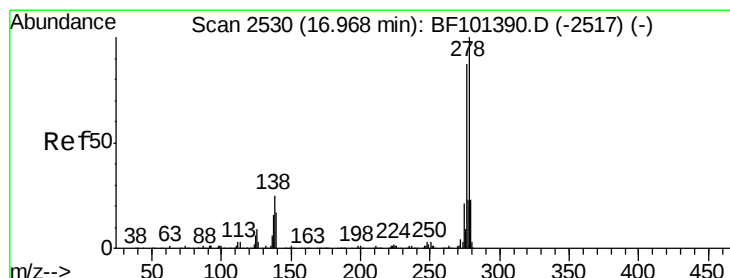
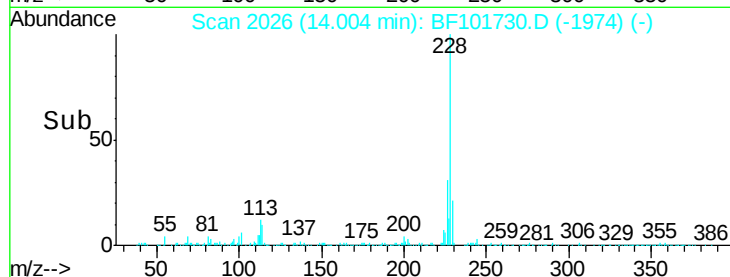
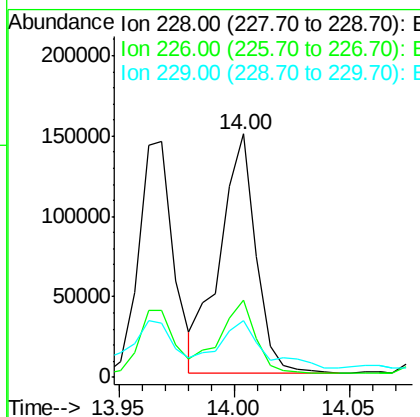
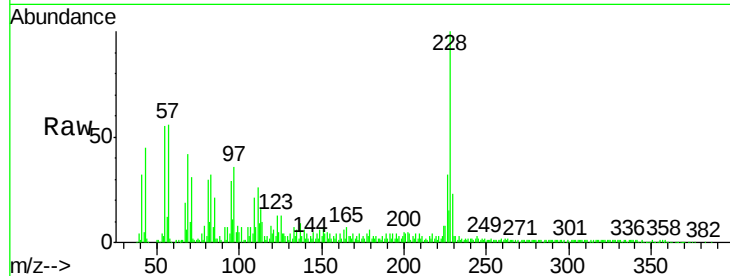
#82
Chrysene
Concen: 9.674 ng
RT: 14.00 min Scan# 2026
Delta R.T. 0.01 min
Lab File: BF101730.D
Acq: 26 Dec 2017 22:54

Instrument :
BNA_F
ClientSampleId :
DB-EW-3-0-4

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	160230		
226	31.9	25.0	37.6	
229	23.1	16.2	24.4	

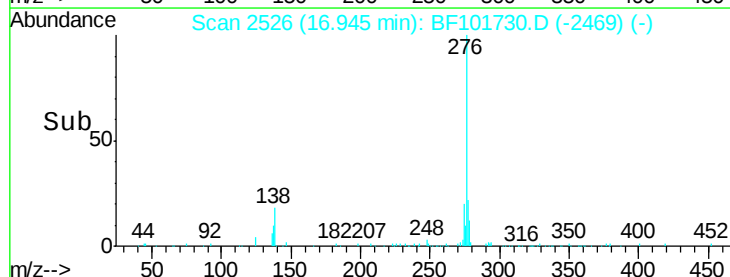
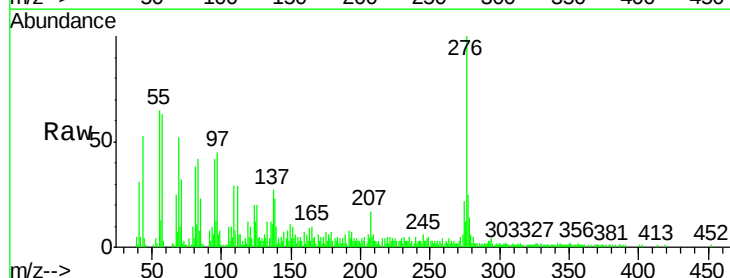
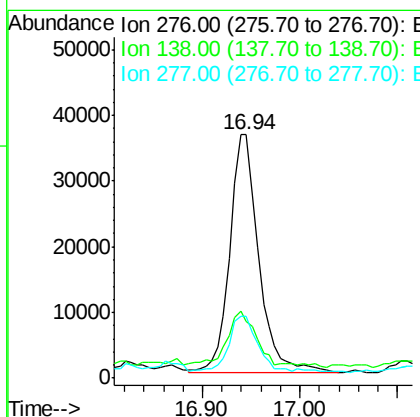
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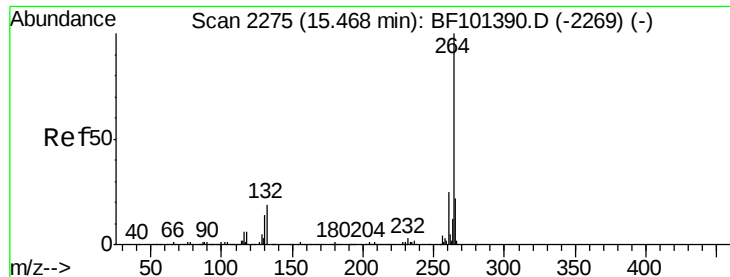
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 5.086 ng
RT: 16.94 min Scan# 2526
Delta R.T. 0.04 min
Lab File: BF101730.D
Acq: 26 Dec 2017 22:54

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	75011		
138	25.7	25.0	37.6	
277	22.1	20.1	30.1	





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.45 min Scan# 2272

Delta R.T. 0.02 min

Lab File: BF101730.D

Acq: 26 Dec 2017 22:54

Instrument :

BNA_F

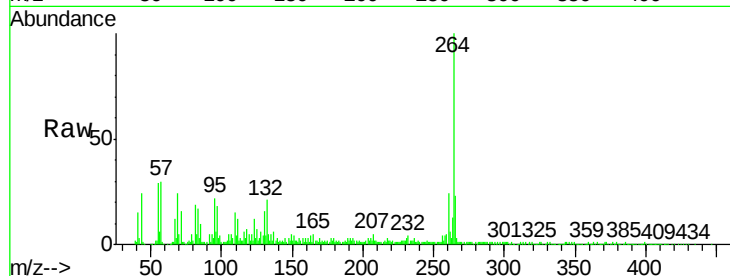
ClientSampleId :

DB-EW-3-0-4

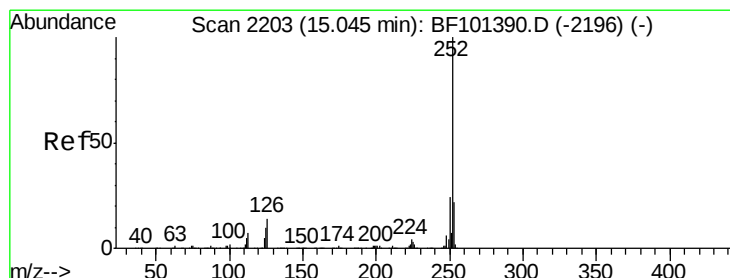
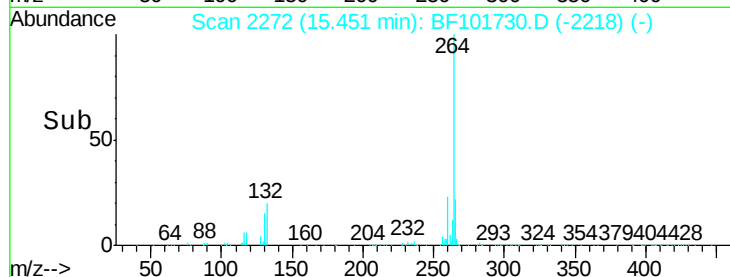
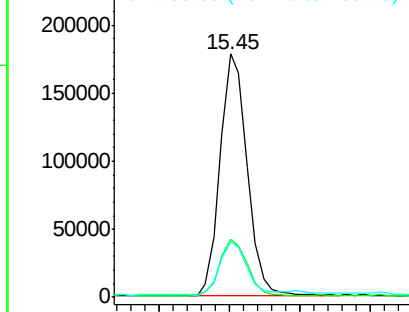
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	22.7	17.5	26.3

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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



#87

Benzo(b)fluoranthene

Concen: 11.663 ng m

RT: 15.03 min Scan# 2200

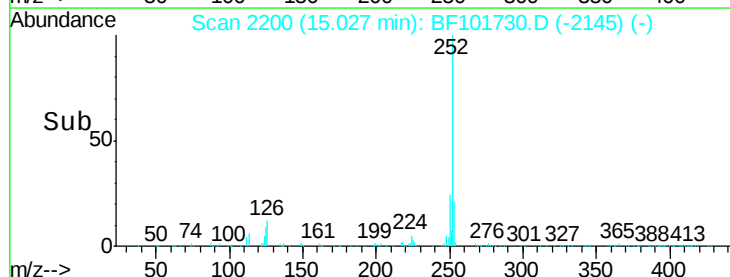
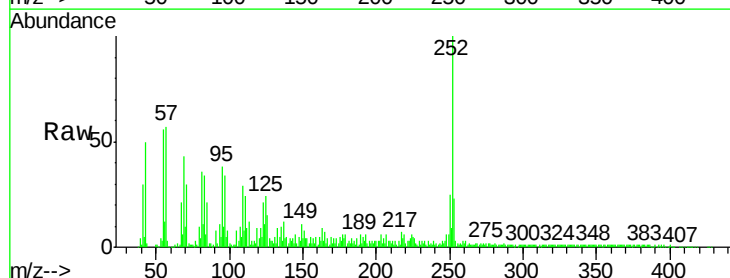
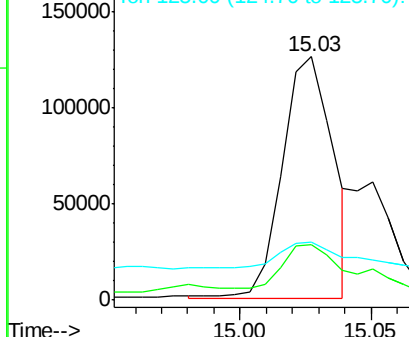
Delta R.T. 0.02 min

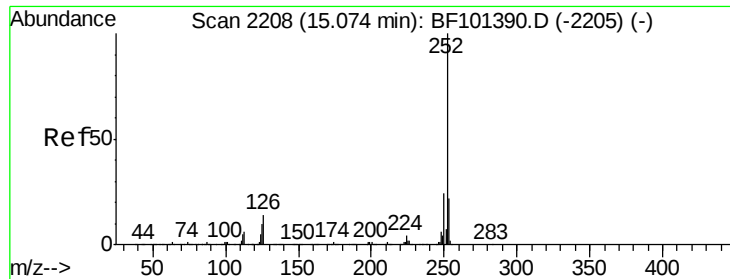
Lab File: BF101730.D

Acq: 26 Dec 2017 22:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.6
125	23.7	9.0	13.6#

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





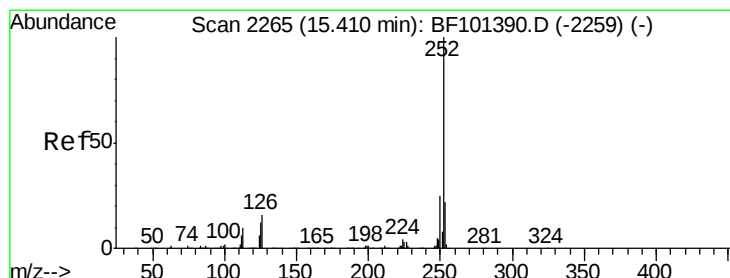
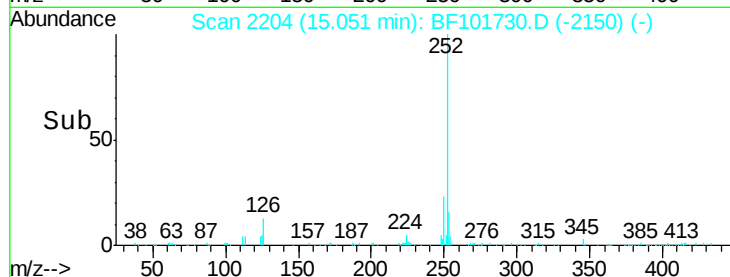
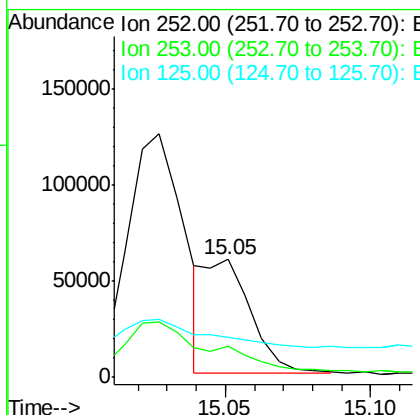
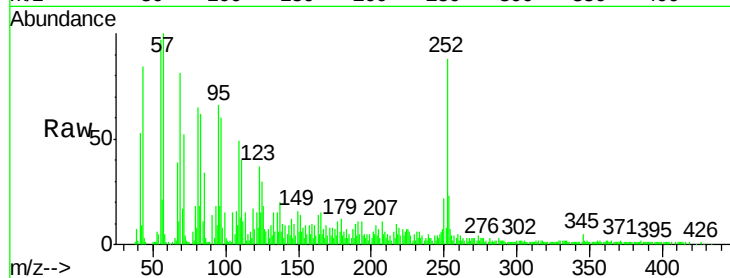
#88
Benzo(k)fluoranthene
Concen: 4.581 ng m
RT: 15.05 min Scan# 2204
Delta R.T. 0.02 min
Lab File: BF101730.D
Acq: 26 Dec 2017 22:54

Instrument :
BNA_F
ClientSampleId :
DB-EW-3-0-4

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.9	17.9	26.9
125	34.2	10.2	15.2

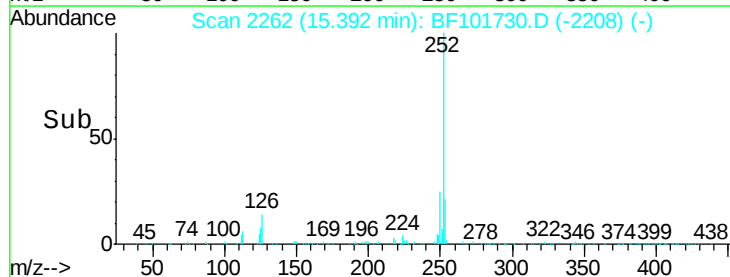
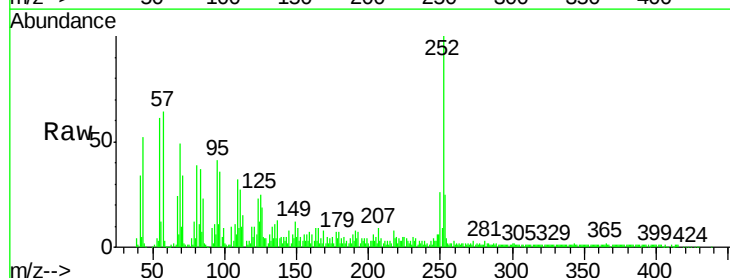
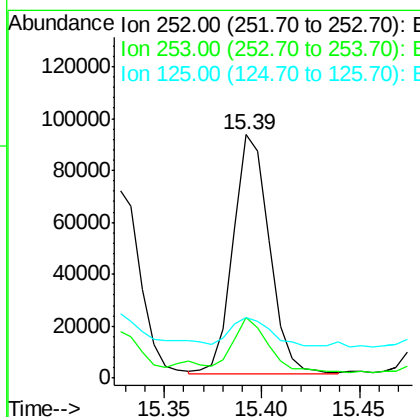
Manual Integrations
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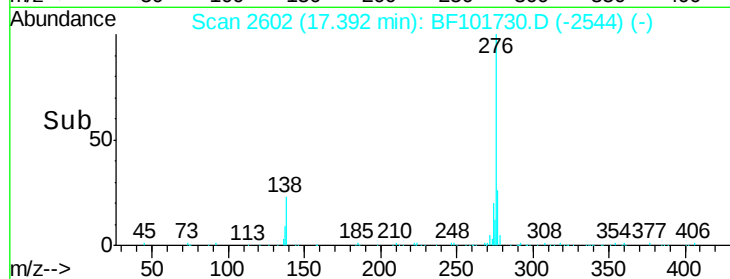
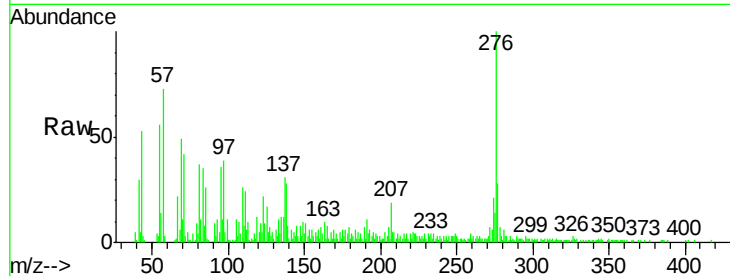
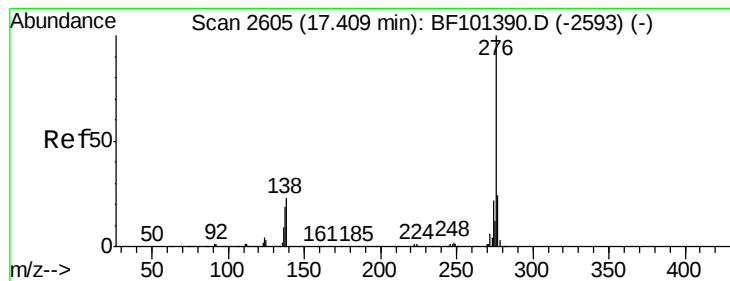
Sohil
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#89
Benzo(a)pyrene
Concen: 8.934 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.02 min
Lab File: BF101730.D
Acq: 26 Dec 2017 22:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.1	25.7
125	25.0	9.8	14.6





#91

Benzo(g,h,i)perylene

Concen: 6.476 ng

RT: 17.39 min Scan# 2602

Delta R.T. 0.04 min

Lab File: BF101730.D

Acq: 26 Dec 2017 22:54

Instrument :

BNA_F

ClientSampleId :

DB-EW-3-0-4

Tgt Ion: 276 Resp: 73684

Ion Ratio Lower Upper

276 100

277 27.5 17.9 26.9#

138 28.5 21.8 32.8

Manual Integrations

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