

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020918\
 Data File : BF102884.D
 Acq On : 9 Feb 2018 13:11
 Operator : SJ/JU
 Sample : J1475-12
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-2

Manual Integrations
 APPROVED

Sohil
 2/13/2018 4:35:33 AM

Quant Time: Feb 09 15:04:19 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 12:44:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	167155	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	631313	20.00	ng	0.00
38) Acenaphthene-d10	9.93	164	268055	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	402710	20.00	ng	0.00
75) Chrysene-d12	14.06	240	329119	20.00	ng	0.00
86) Perylene-d12	15.54	264	315295	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	973354	88.43	ng	0.01
7) Phenol-d6	6.52	99	1151577	86.89	ng	0.01
23) Nitrobenzene-d5	7.45	82	743570	81.71	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	174721	80.98	ng	0.00
44) 2-Fluorobiphenyl	9.25	172	981041	60.73	ng	0.00
78) Terphenyl-d14	13.00	244	719031	51.73	ng	0.00
Target Compounds						
10) Phenol	6.52	94	42892	3.020	ng	84
49) Dimethylphthalate	9.63	163	76102	3.641	ng	99
70) Phenanthrene	11.44	178	171486	7.646	ng	97
71) Anthracene	11.49	178	47106	2.065	ng	98
74) Fluoranthene	12.63	202	305421	13.535	ng	99
77) Pyrene	12.86	202	262676	10.178	ng	99
80) Benzo(a)anthracene	14.04	228	149793	7.237	ng	98
82) Chrysene	14.08	228	122679	5.880	ng	98
85) Indeno(1,2,3-cd)pyrene	17.04	276	51948	3.002	ng	97
87) Benzo(b)fluoranthene	15.10	252	168003m	8.219	ng	
88) Benzo(k)fluoranthene	15.13	252	54701m	2.801	ng	
89) Benzo(a)pyrene	15.47	252	110875	6.026	ng	# 93
91) Benzo(a,h,i)perylene	17.50	276	50089	3.427	ng	# 91

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

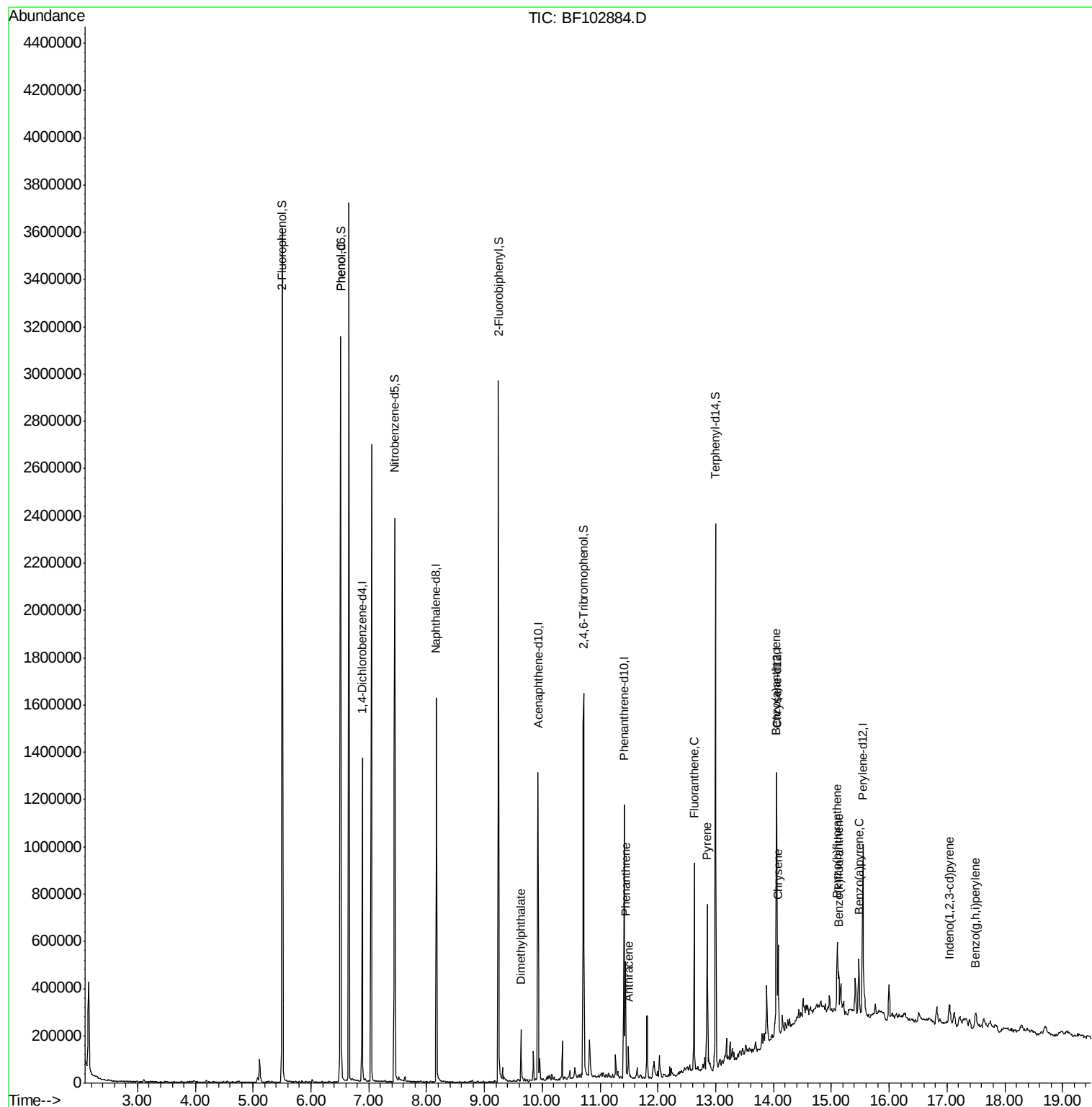
Data Path : Z:\HPCHEM1\BNA F\DATA\BF020918\
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ALS Vial : 10 Sample Multiplier: 1

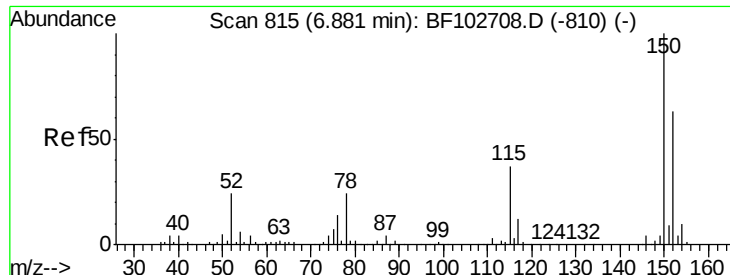
Instrument :
BNA_F
ClientSampleId :
COMP-2

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#1

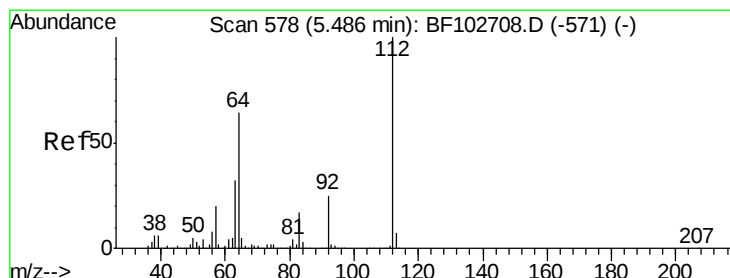
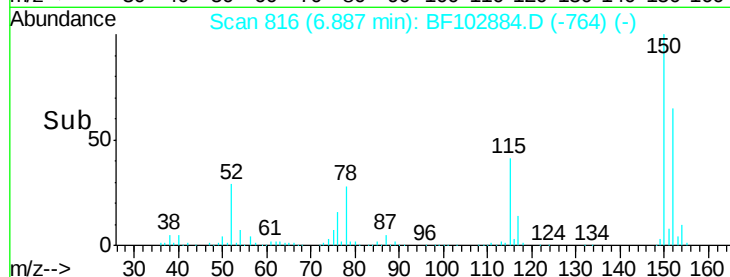
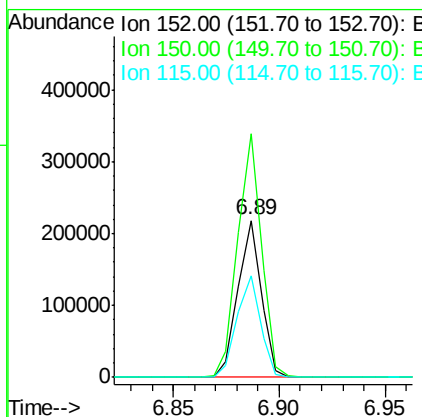
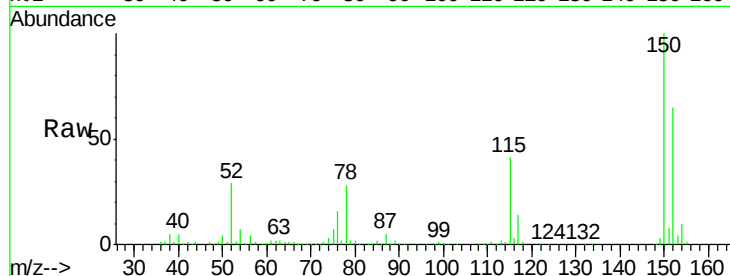
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.01 min
Lab File: BF102884.D
Acq: 9 Feb 2018 13:11

Instrument :
BNA_F
ClientSampled :
COMP-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.9	124.6	186.8
115	64.2	50.1	75.1

Manual Integrations
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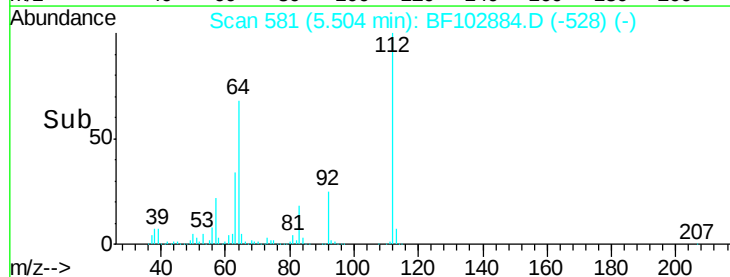
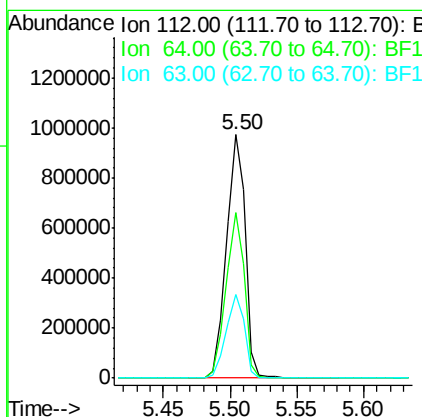
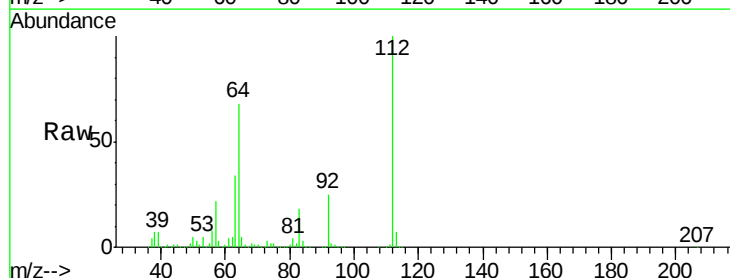
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#5

2-Fluorophenol
Concen: 88.433 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF102884.D
Acq: 9 Feb 2018 13:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.0	47.9	71.9
63	34.5	23.7	35.5





#7

Phenol-d6

Concen: 86.893 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF102884.D

Acq: 9 Feb 2018 13:11

Instrument :

BNA_F

ClientSampled :

COMP-2

Tot Ion: 99 Resp: 1151577

Ion Ratio Lower Upper

99 100

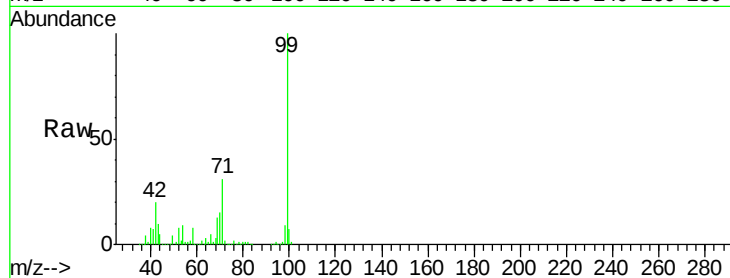
42 20.4 14.5 21.7

71 31.4 25.4 38.0

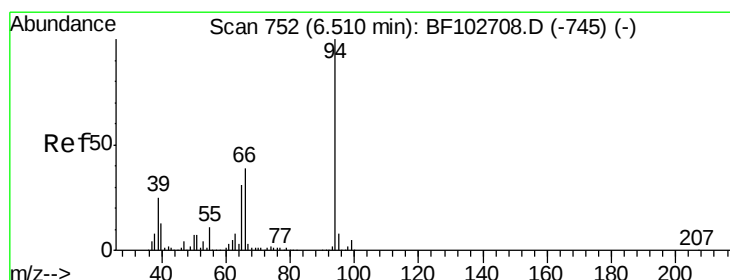
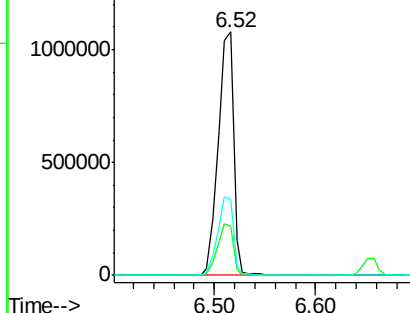
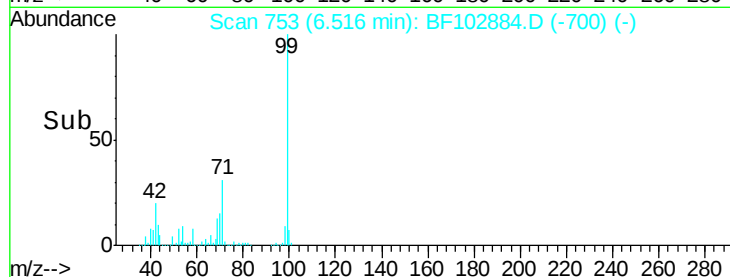
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 3.020 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.00 min

Lab File: BF102884.D

Acq: 9 Feb 2018 13:11

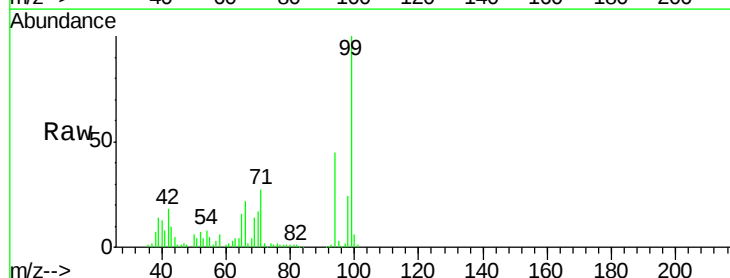
Tgt Ion: 94 Resp: 42892

Ion Ratio Lower Upper

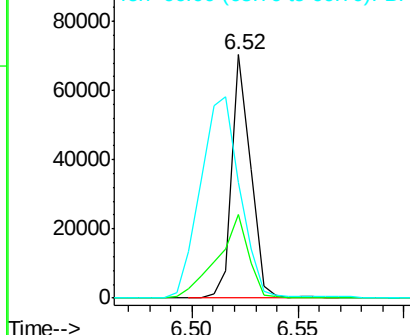
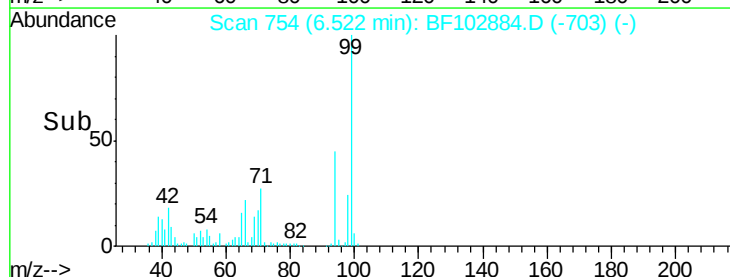
94 100

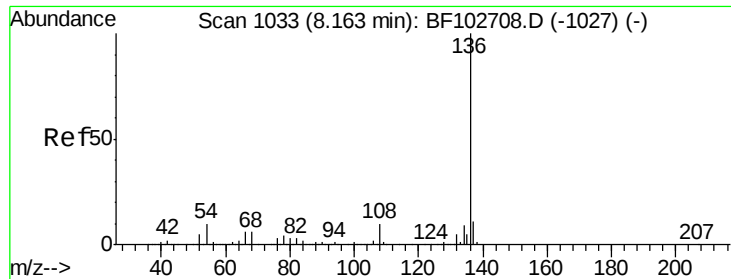
65 34.5 7.9 47.9

66 47.7 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





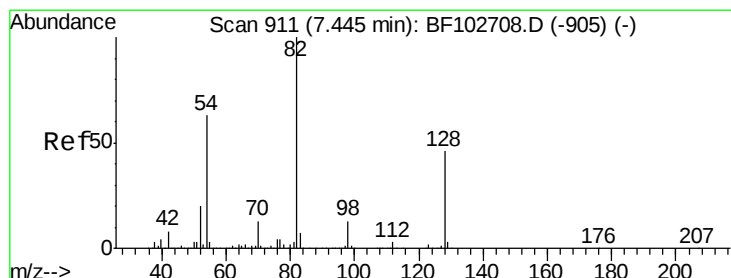
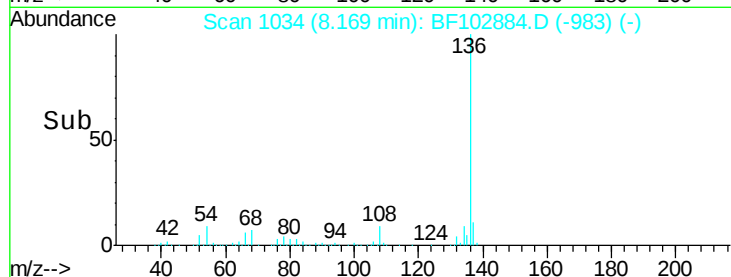
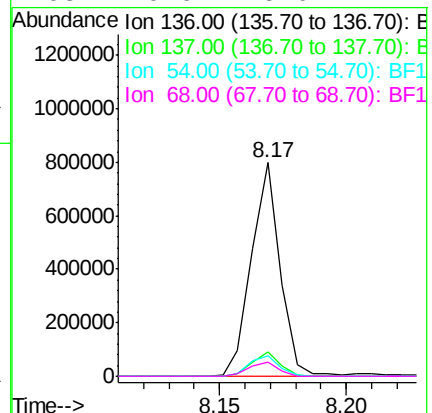
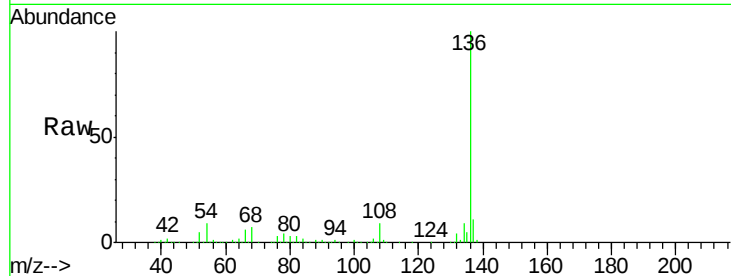
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1034
Delta R.T. 0.00 min
Lab File: BF102884.D
Acq: 9 Feb 2018 13:11

Instrument :
BNA_F
ClientSampleId :
COMP-2

Tot Ion	Ratio	Resp	Lower	Upper
136	100	631313		
137	11.2	8.9	13.3	
54	9.5	6.6	9.8	
68	6.6	5.0	7.4	

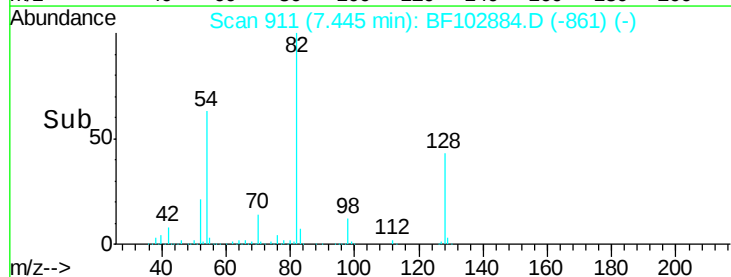
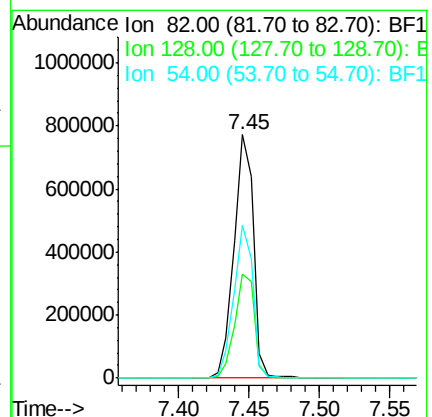
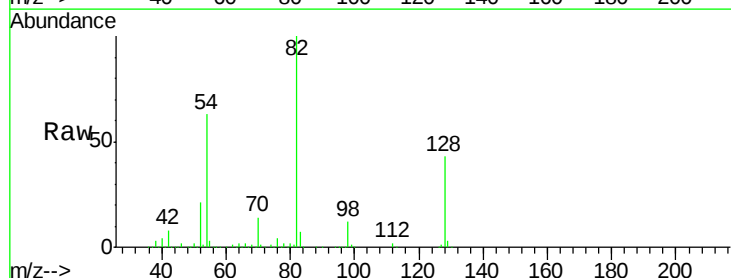
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#23
Nitrobenzene-d5
Concen: 81.706 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF102884.D
Acq: 9 Feb 2018 13:11

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	743570		
128	42.8	36.1	54.1	
54	62.6	41.4	62.2	





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.93 min Scan# 1333

Delta R.T. 0.01 min

Lab File: BF102884.D

Acq: 9 Feb 2018 13:11

Instrument :

BNA_F

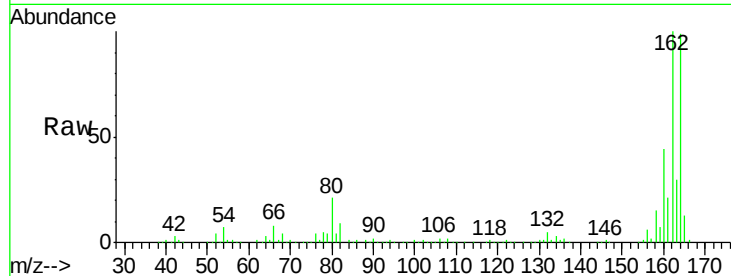
ClientSampleId :

COMP-2

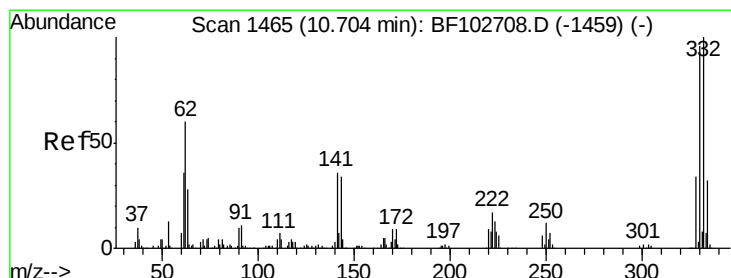
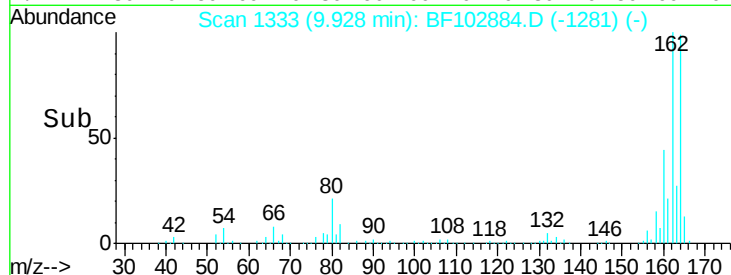
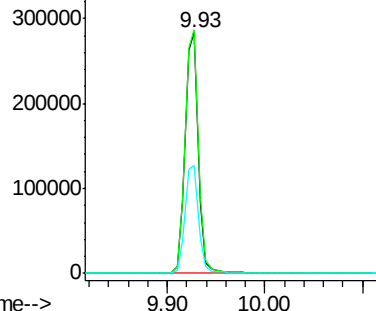
Tot Ion:	164	Resp:	268055
Ion Ratio	Lower	Upper	
164	100		
162	101.2	86.1	129.1
160	45.0	38.3	57.5

Manual Integrations
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Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 80.982 ng

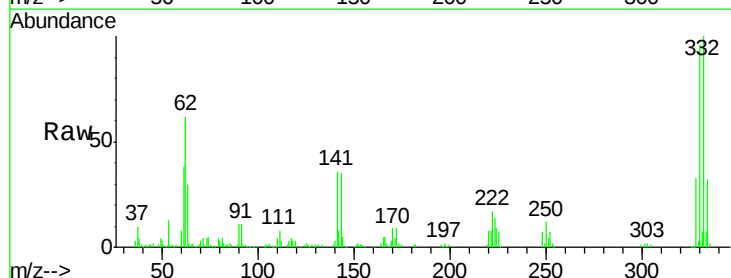
RT: 10.72 min Scan# 1467

Delta R.T. 0.01 min

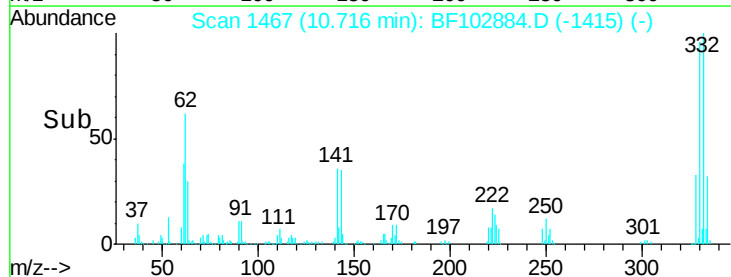
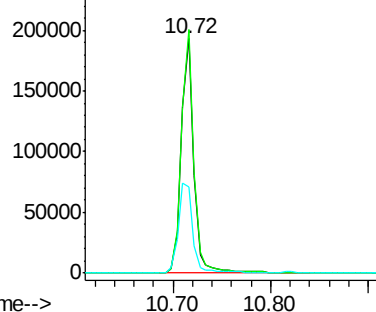
Lab File: BF102884.D

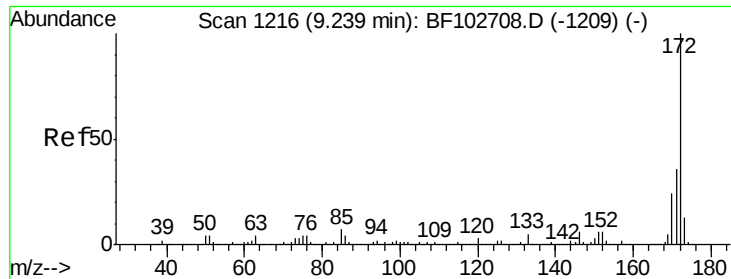
Acq: 9 Feb 2018 13:11

Tgt Ion:	330	Resp:	174721
Ion Ratio	Lower	Upper	
330	100		
332	101.9	77.0	115.6
141	44.5	29.9	44.9



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





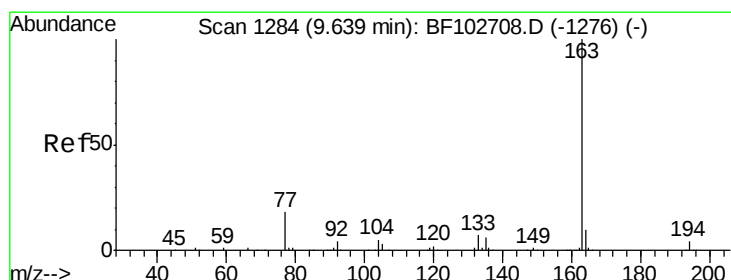
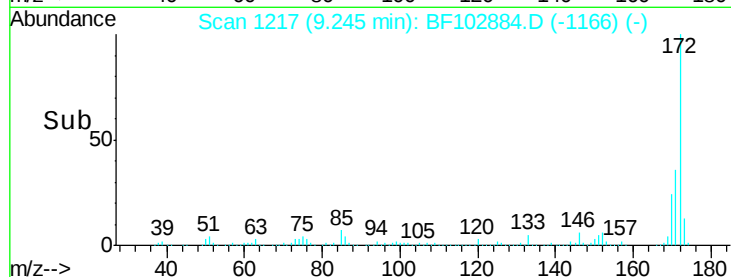
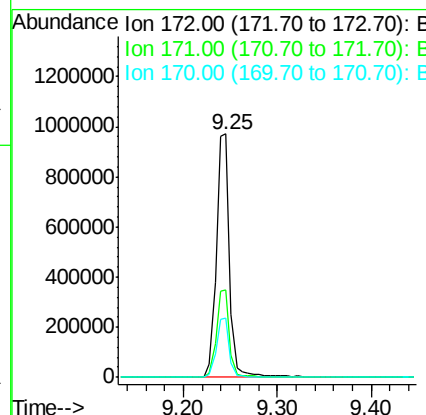
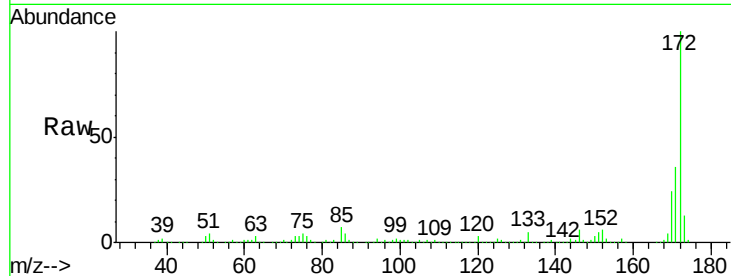
#44
2-Fluorobiphenyl
Concen: 60.730 ng
RT: 9.25 min Scan# 1217
Delta R.T. 0.00 min
Lab File: BF102884.D
Acq: 9 Feb 2018 13:11

Instrument :
BNA_F
ClientSampleId :
COMP-2

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.7	44.5
170	24.4	19.6	29.4

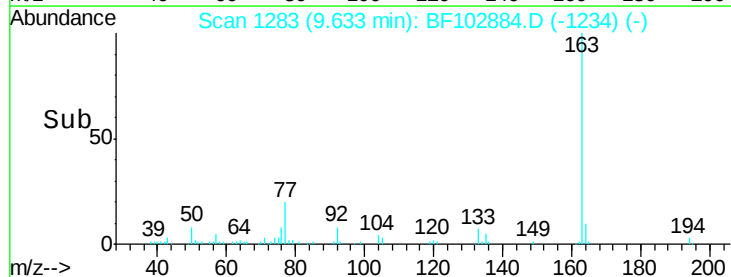
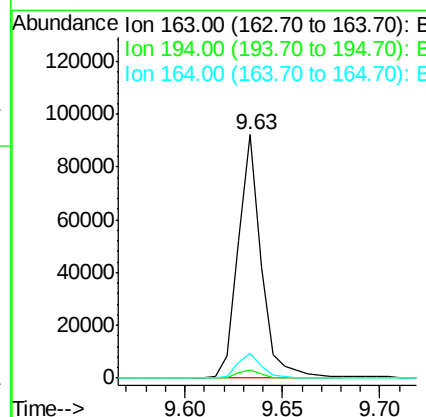
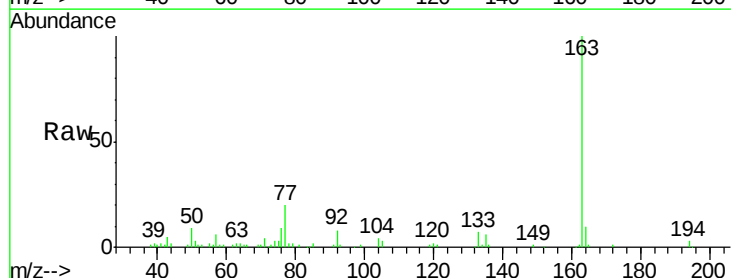
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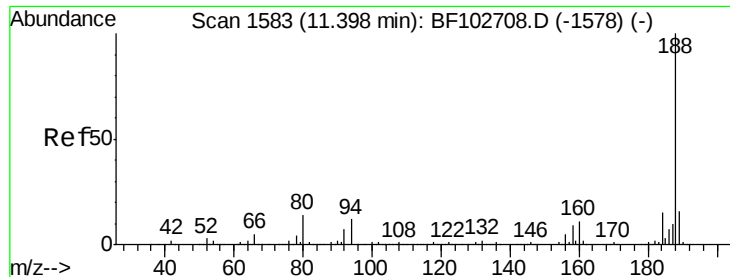
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#49
Dimethylphthalate
Concen: 3.641 ng
RT: 9.63 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BF102884.D
Acq: 9 Feb 2018 13:11

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.7	4.1
164	9.9	8.2	12.2





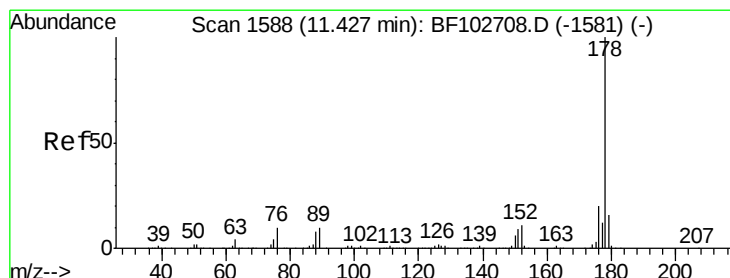
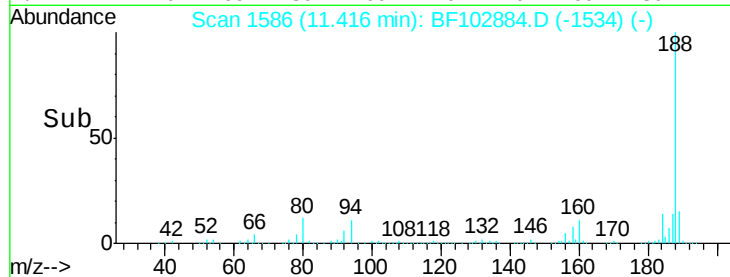
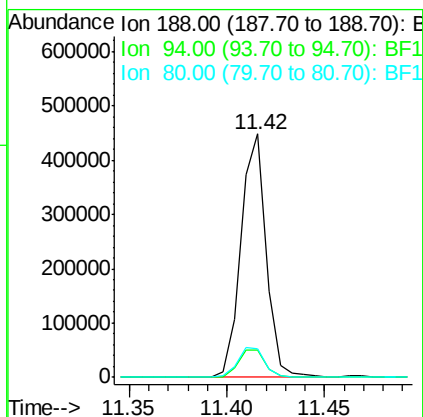
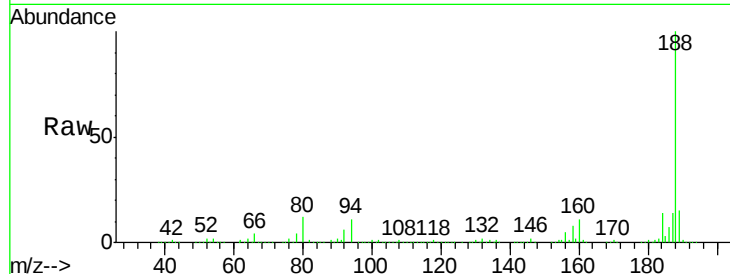
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.42 min Scan# 1586
Delta R.T. 0.01 min
Lab File: BF102884.D
Acq: 9 Feb 2018 13:11

Instrument :
BNA_F
ClientSampled :
COMP-2

Tot Ion	Ratio	Resp	Lower	Upper
188	100	402710		
94	11.0		8.5	12.7
80	11.8		9.2	13.8

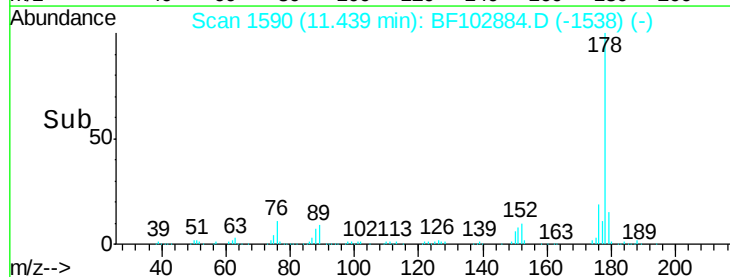
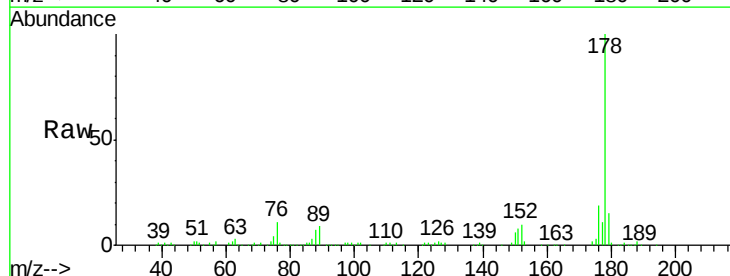
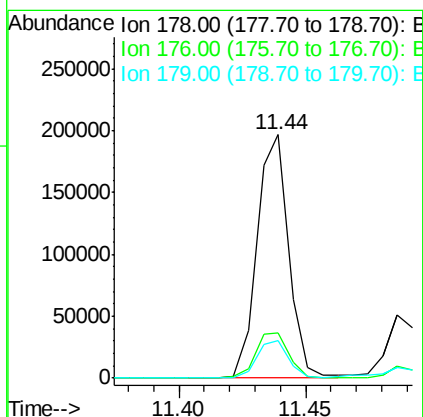
Manual Integrations
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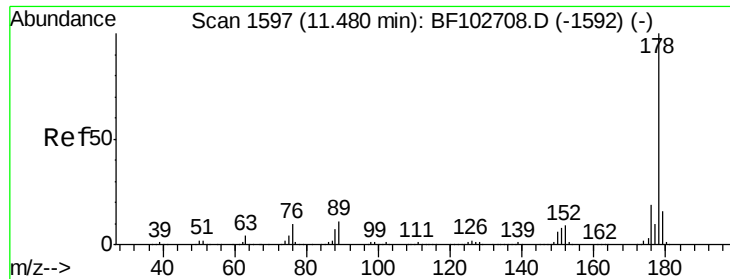
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#70
Phenanthrene
Concen: 7.646 ng
RT: 11.44 min Scan# 1590
Delta R.T. 0.01 min
Lab File: BF102884.D
Acq: 9 Feb 2018 13:11

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	171486		
176	18.7		15.8	23.8
179	15.2		13.0	19.6





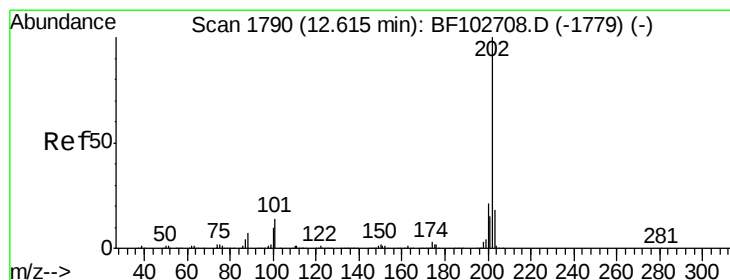
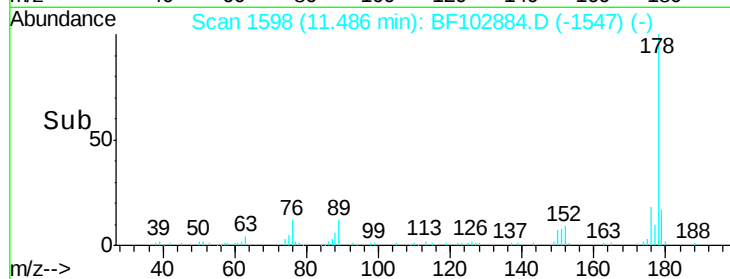
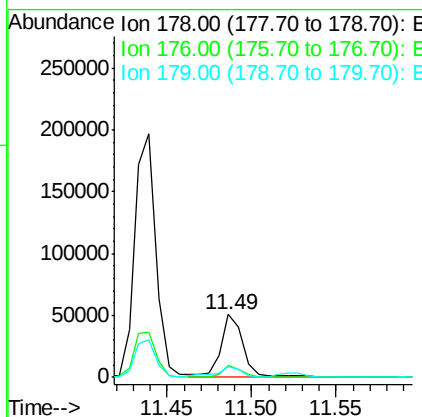
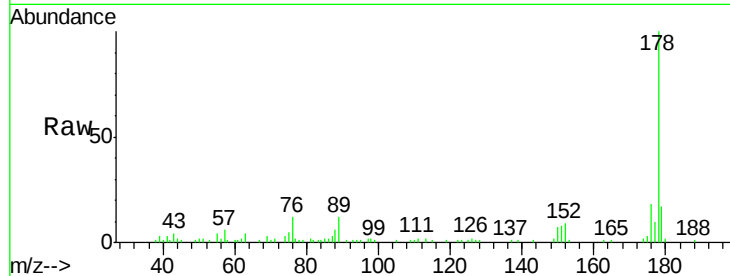
#71
 Anthracene
 Concen: 2.065 ng
 RT: 11.49 min Scan# 1598
 Delta R.T. 0.00 min
 Lab File: BF102884.D
 Acq: 9 Feb 2018 13:11

Instrument :
 BNA_F
 ClientSampled :
 COMP-2

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.2
179	17.0	12.6	19.0

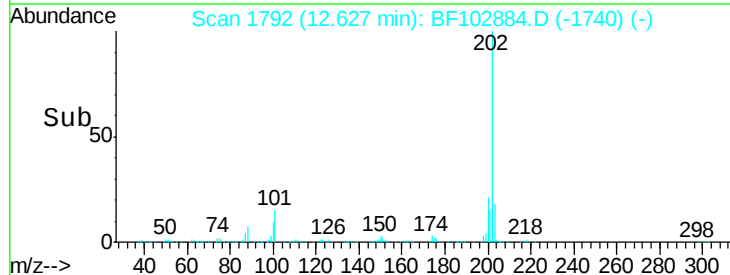
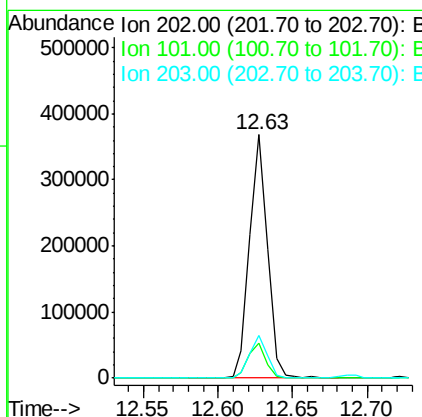
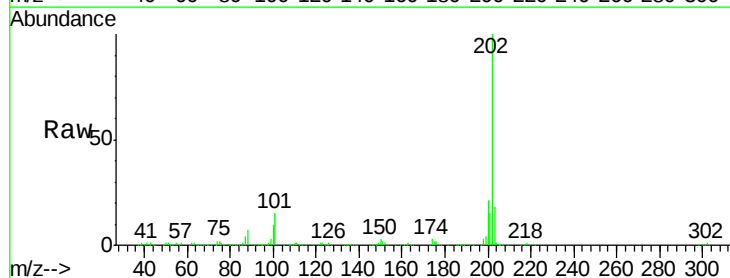
Manual Integrations
 APPROVED

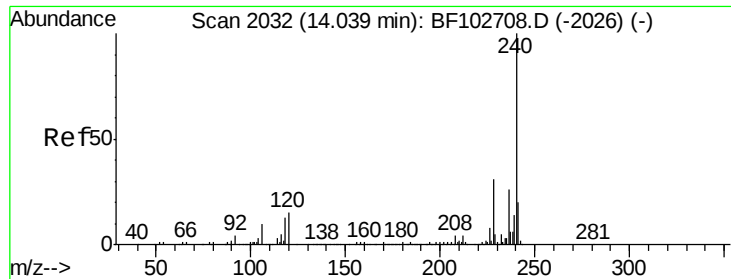
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#74
 Fluoranthene
 Concen: 13.535 ng
 RT: 12.63 min Scan# 1792
 Delta R.T. 0.01 min
 Lab File: BF102884.D
 Acq: 9 Feb 2018 13:11

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.6	0.0	34.1
203	17.7	0.0	38.1





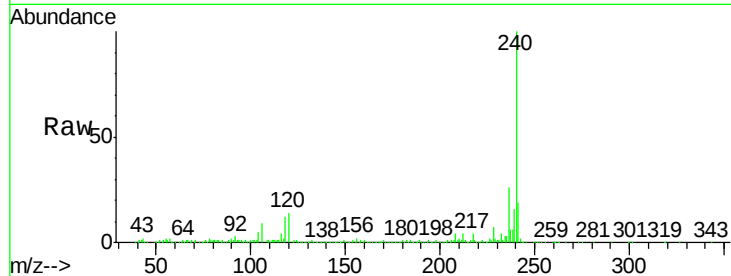
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2035
Delta R.T. 0.01 min
Lab File: BF102884.D
Acq: 9 Feb 2018 13:11

Instrument :
BNA_F
ClientSampled :
COMP-2

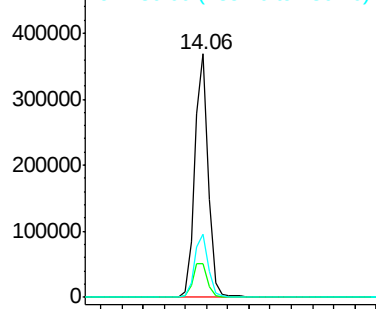
Tot Ion	Ratio	Lower	Upper
240	100		
120	14.0	9.5	14.3
236	26.2	20.7	31.1

Manual Integrations
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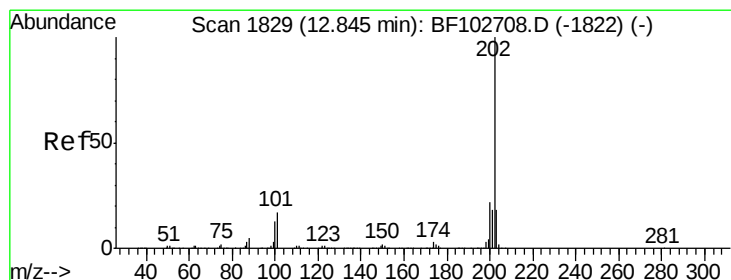
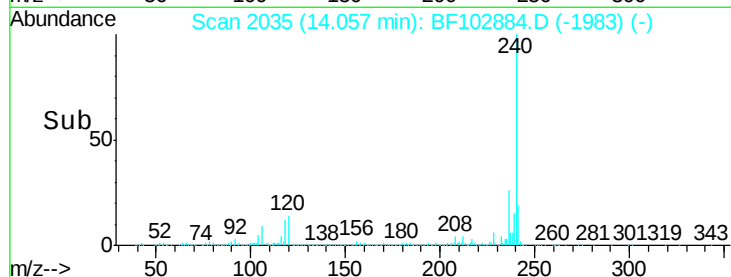
Sohil
2/13/2018 4:35:33 AM



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

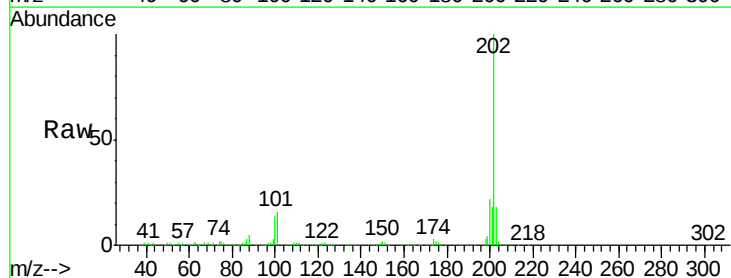


Time-->

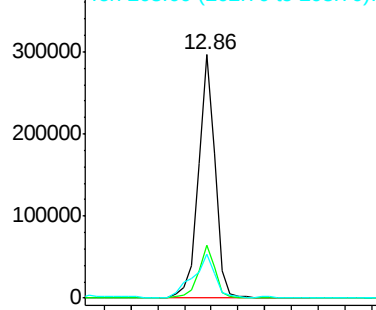


#77
Pyrene
Concen: 10.178 ng
RT: 12.86 min Scan# 1831
Delta R.T. 0.01 min
Lab File: BF102884.D
Acq: 9 Feb 2018 13:11

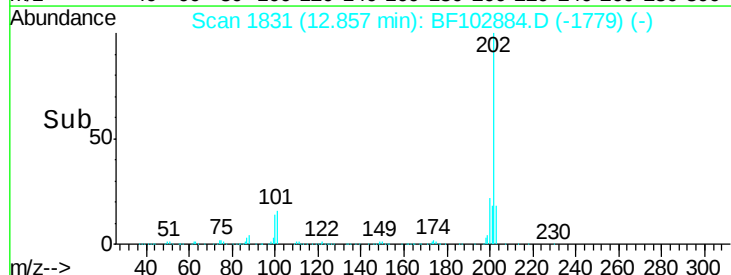
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.4	26.2
203	18.1	14.3	21.5

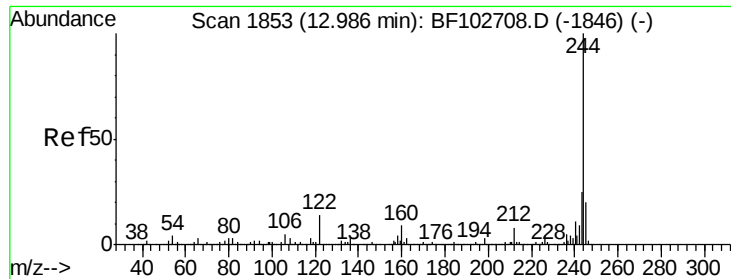


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



Time-->





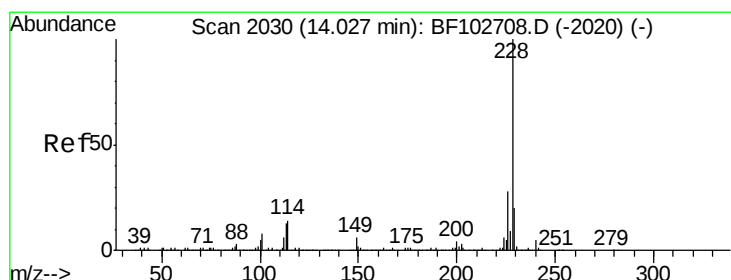
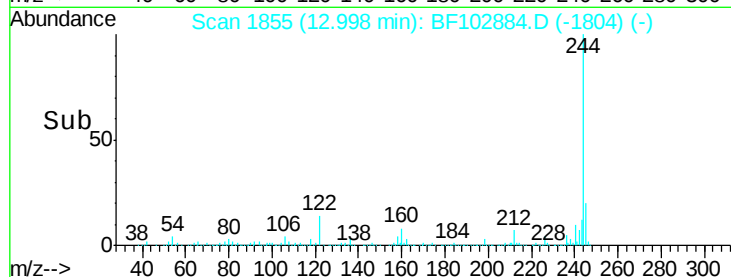
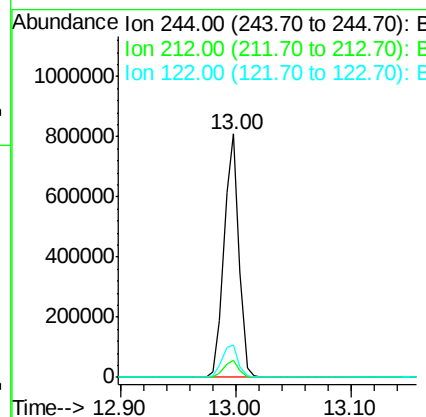
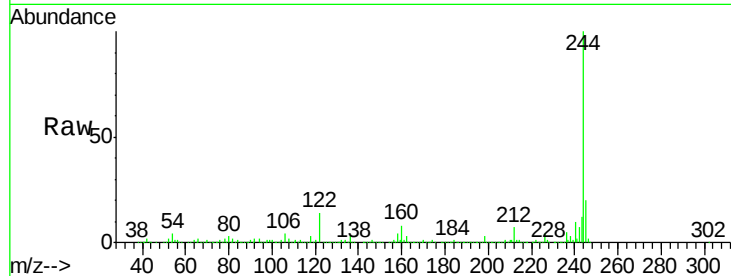
#78
 Terphenyl-d14
 Concen: 51.729 ng
 RT: 13.00 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: BF102884.D
 Acq: 9 Feb 2018 13:11

Instrument :
 BNA_F
 ClientSampled :
 COMP-2

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	13.6	11.0	16.4

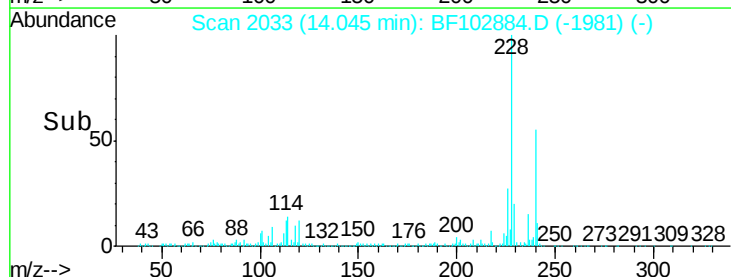
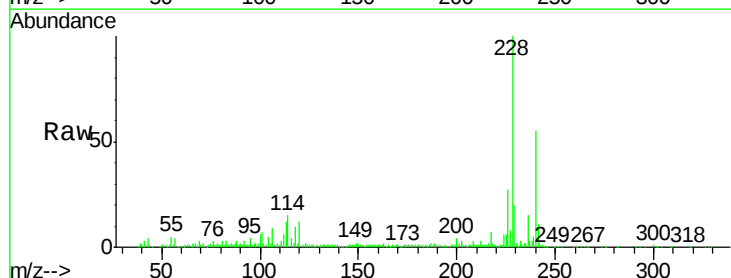
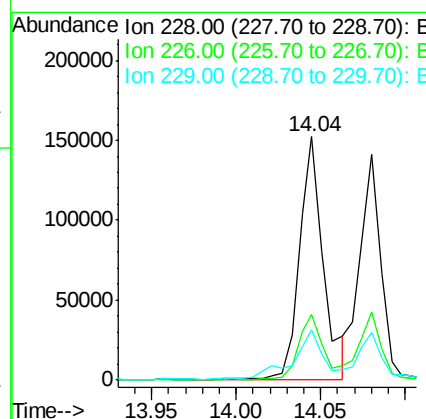
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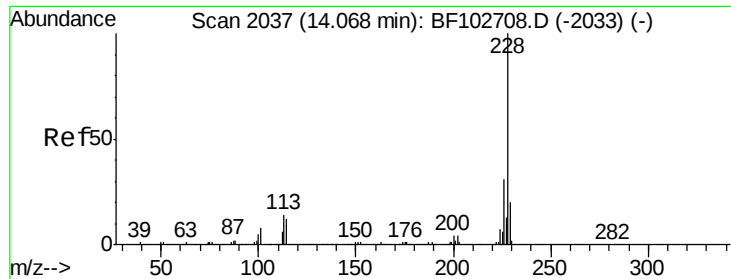
Sohil
 2/13/2018 4:35:33 AM



#80
 Benzo(a)anthracene
 Concen: 7.237 ng
 RT: 14.04 min Scan# 2033
 Delta R.T. 0.01 min
 Lab File: BF102884.D
 Acq: 9 Feb 2018 13:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.8	22.6	33.8
229	20.4	15.8	23.6





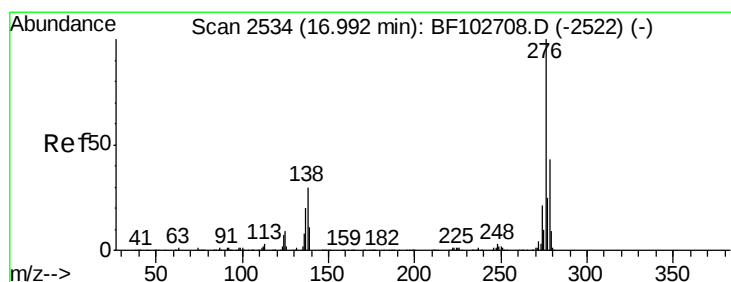
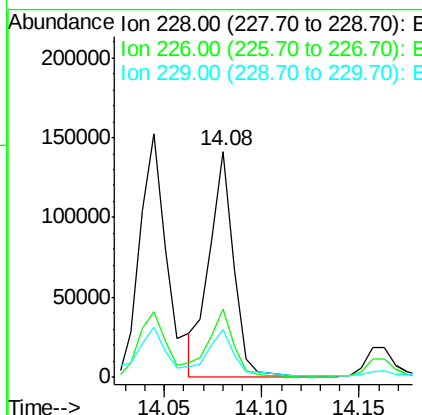
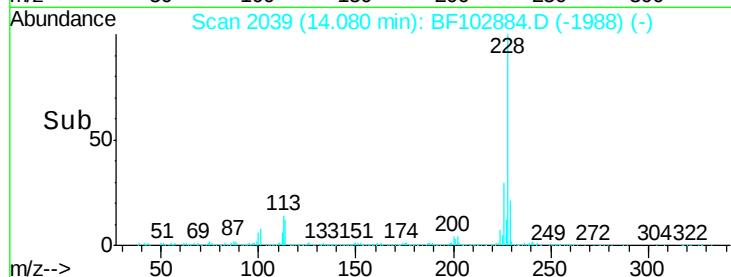
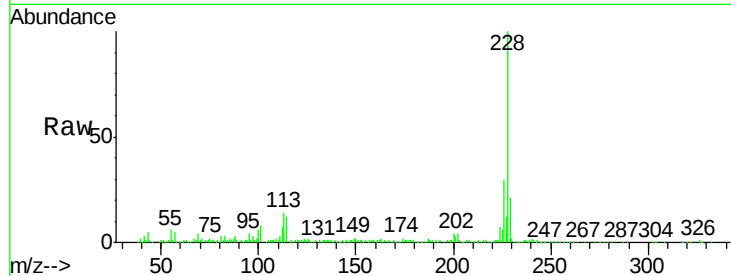
#82
Chrysene
Concen: 5.880 ng
RT: 14.08 min Scan# 2039
Delta R.T. 0.00 min
Lab File: BF102884.D
Acq: 9 Feb 2018 13:11

Instrument :
BNA_F
ClientSampled :
COMP-2

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.0	37.6
229	21.1	16.2	24.4

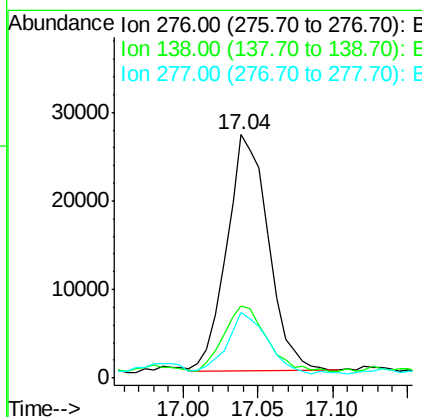
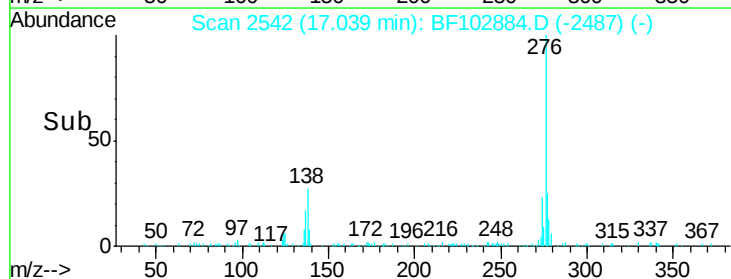
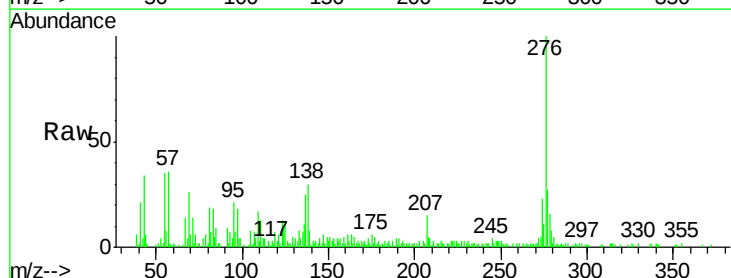
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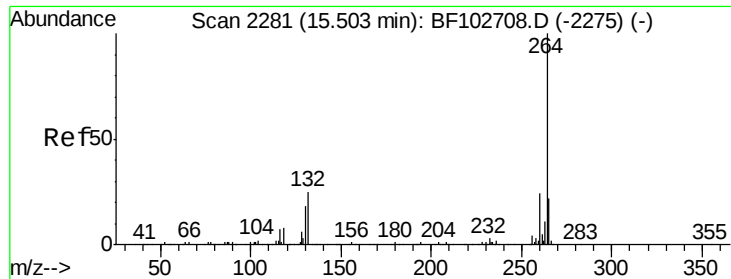
Sohil
2/13/2018 4:35:33 AM



#85
Indeno(1,2,3-cd)pyrene
Concen: 3.002 ng
RT: 17.04 min Scan# 2542
Delta R.T. 0.02 min
Lab File: BF102884.D
Acq: 9 Feb 2018 13:11

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.7	25.0	37.6
277	24.9	20.1	30.1





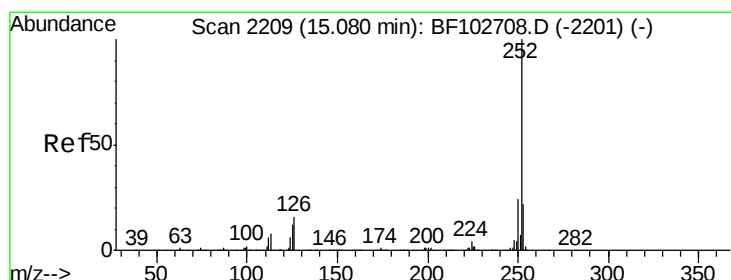
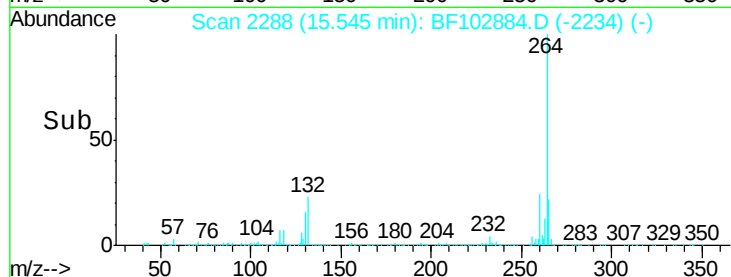
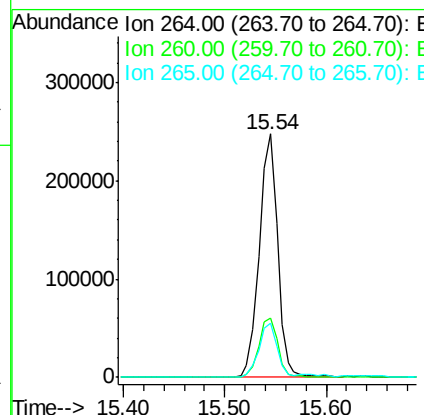
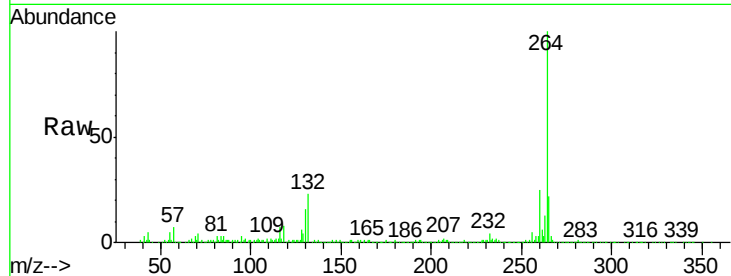
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2288
Delta R.T. 0.02 min
Lab File: BF102884.D
Acq: 9 Feb 2018 13:11

Instrument :
BNA_F
ClientSampleId :
COMP-2

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	22.3	17.5	26.3

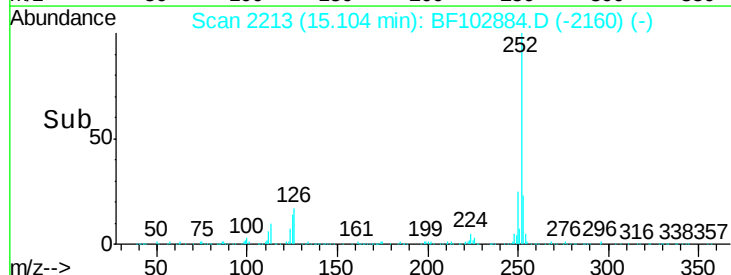
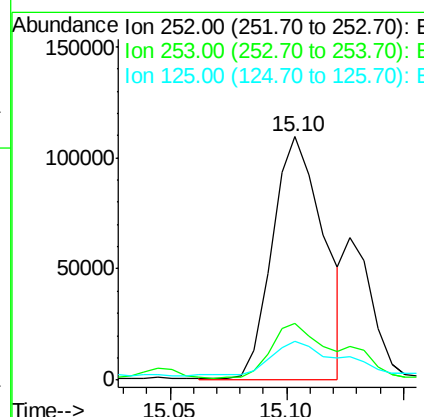
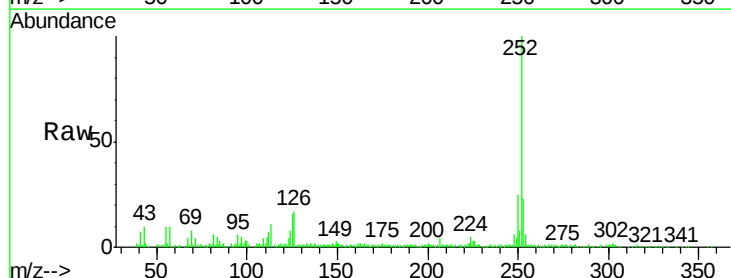
Manual Integrations
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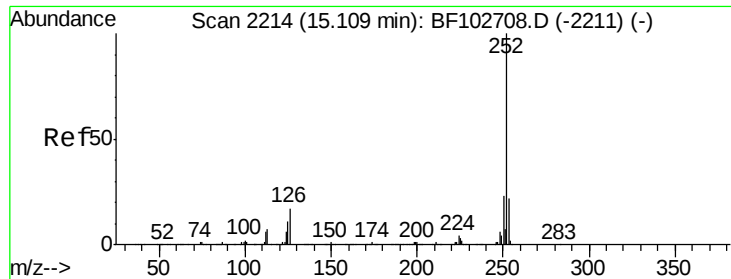
Sohil
2/13/2018 4:35:33 AM



#87
Benzo(b)fluoranthene
Concen: 8.219 ng m
RT: 15.10 min Scan# 2213
Delta R.T. 0.01 min
Lab File: BF102884.D
Acq: 9 Feb 2018 13:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.0	25.6
125	16.1	9.0	13.6#





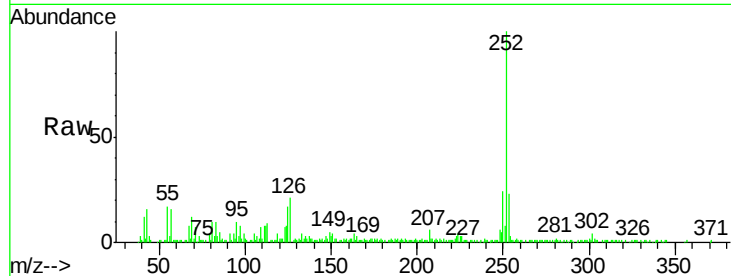
#88
Benzo(k)fluoranthene
Concen: 2.801 ng m
RT: 15.13 min Scan# 2217
Delta R.T. 0.01 min
Lab File: BF102884.D
Acq: 9 Feb 2018 13:11

Instrument :
BNA_F
ClientSampled :
COMP-2

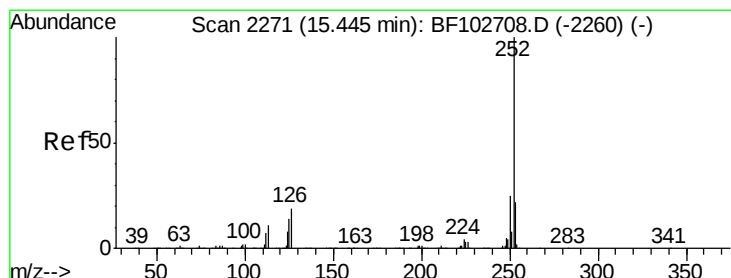
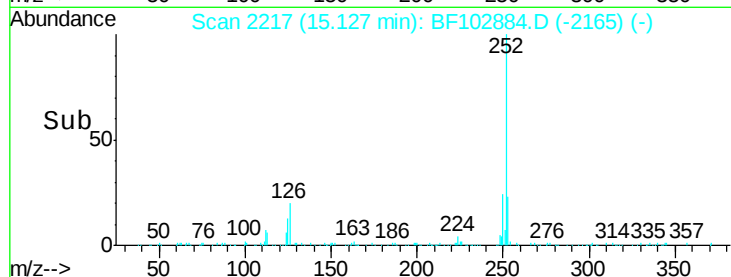
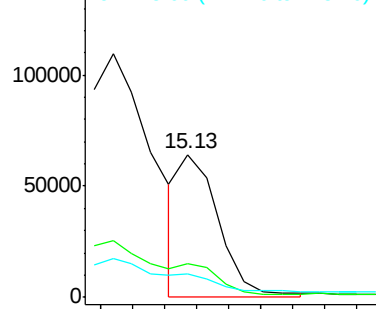
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.9	26.9
125	16.9	10.2	15.2

Manual Integrations
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2/13/2018 4:35:33 AM

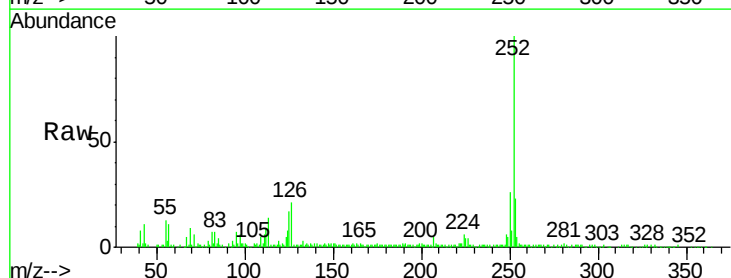


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

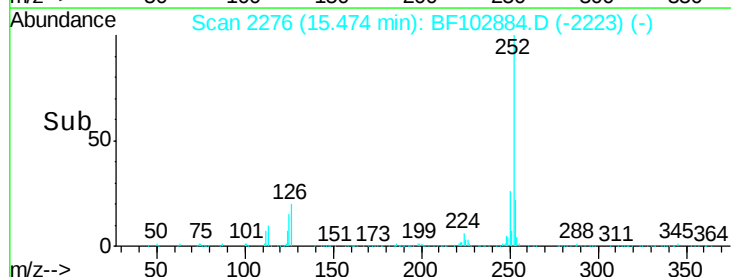
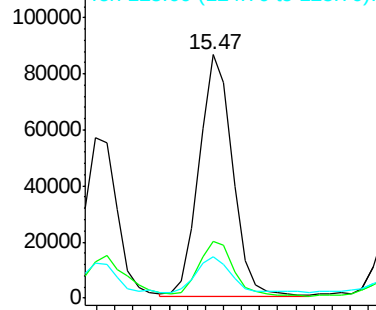


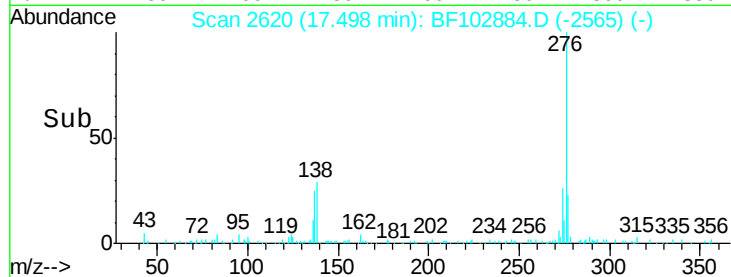
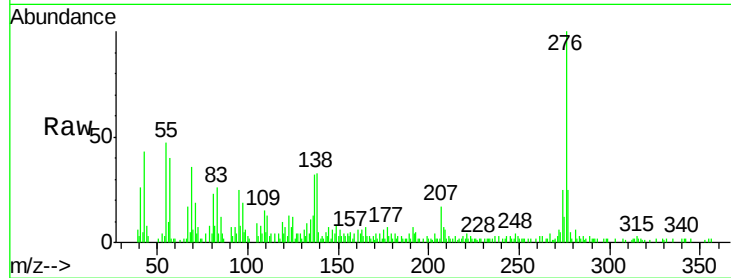
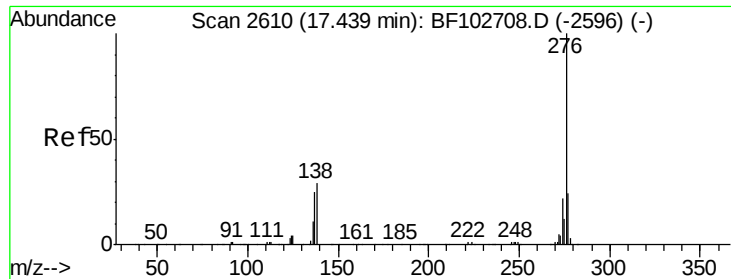
#89
Benzo(a)pyrene
Concen: 6.026 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.01 min
Lab File: BF102884.D
Acq: 9 Feb 2018 13:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.1	25.7
125	17.1	9.8	14.6



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





#91
 Benzo(a,h,i)perylene
 Concen: 3.427 ng
 RT: 17.50 min Scan# 2620
 Delta R.T. 0.02 min
 Lab File: BF102884.D
 Acq: 9 Feb 2018 13:11

Instrument :
 BNA_F
 ClientSampleId :
 COMP-2

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.5	17.9	26.9
138	33.0	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 2/13/2018 4:35:33 AM

