

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120615\
 Data File : BF083533.D
 Acq On : 6 Dec 2015 20:54
 Operator : UM/IZ
 Sample : G4614-13
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S28-15

Manual Integrations
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 12/7/2015 6:33:20 PM

Quant Time: Dec 07 06:17:02 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 05 04:12:46 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.73	152	192466	20.00	ng	-0.03
21) Naphthalene-d8	7.63	136	761409	20.00	ng	-0.05
38) Acenaphthene-d10	10.42	164	384177	20.00	ng	-0.05
63) Phenanthrene-d10	12.82	188	702594	20.00	ng	-0.03
75) Chrysene-d12	17.01	240	586349	20.00	ng	-0.03
86) Perylene-d12	18.65	264	422514	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.02	112	1637750	129.10	ng	-0.01
7) Phenol-d6	5.30	99	2215934	126.78	ng	-0.02
23) Nitrobenzene-d5	6.57	82	1477825	90.73	ng	-0.03
41) 2,4,6-Tribromophenol	11.71	330	448491	126.55	ng	-0.05
44) 2-Fluorobiphenyl	9.38	172	2043364	72.14	ng	-0.05
78) Terphenyl-d14	15.46	244	1793370	68.06	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	10.06	163	923276	30.53	ng	99
70) Phenanthrene	12.85	178	607486	14.85	ng	99
71) Anthracene	12.94	178	140530m	3.37	ng	
74) Fluoranthene	14.79	202	633064	15.62	ng	97
77) Pyrene	15.14	202	553183	12.61	ng	# 96
80) Benzo(a)anthracene	17.00	228	253496	7.39	ng	98
82) Chrysene	17.05	228	225767	6.61	ng	100
85) Indeno(1,2,3-cd)pyrene	19.91	276	70452	2.40	ng	# 100
87) Benzo(b)fluoranthene	18.27	252	202952m	8.55	ng	
88) Benzo(k)fluoranthene	18.31	252	73117m	3.01	ng	
89) Benzo(a)pyrene	18.60	252	137991m	5.98	ng	
91) Benzo(a,h,i)perylene	20.26	276	65010	2.91	ng	96

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

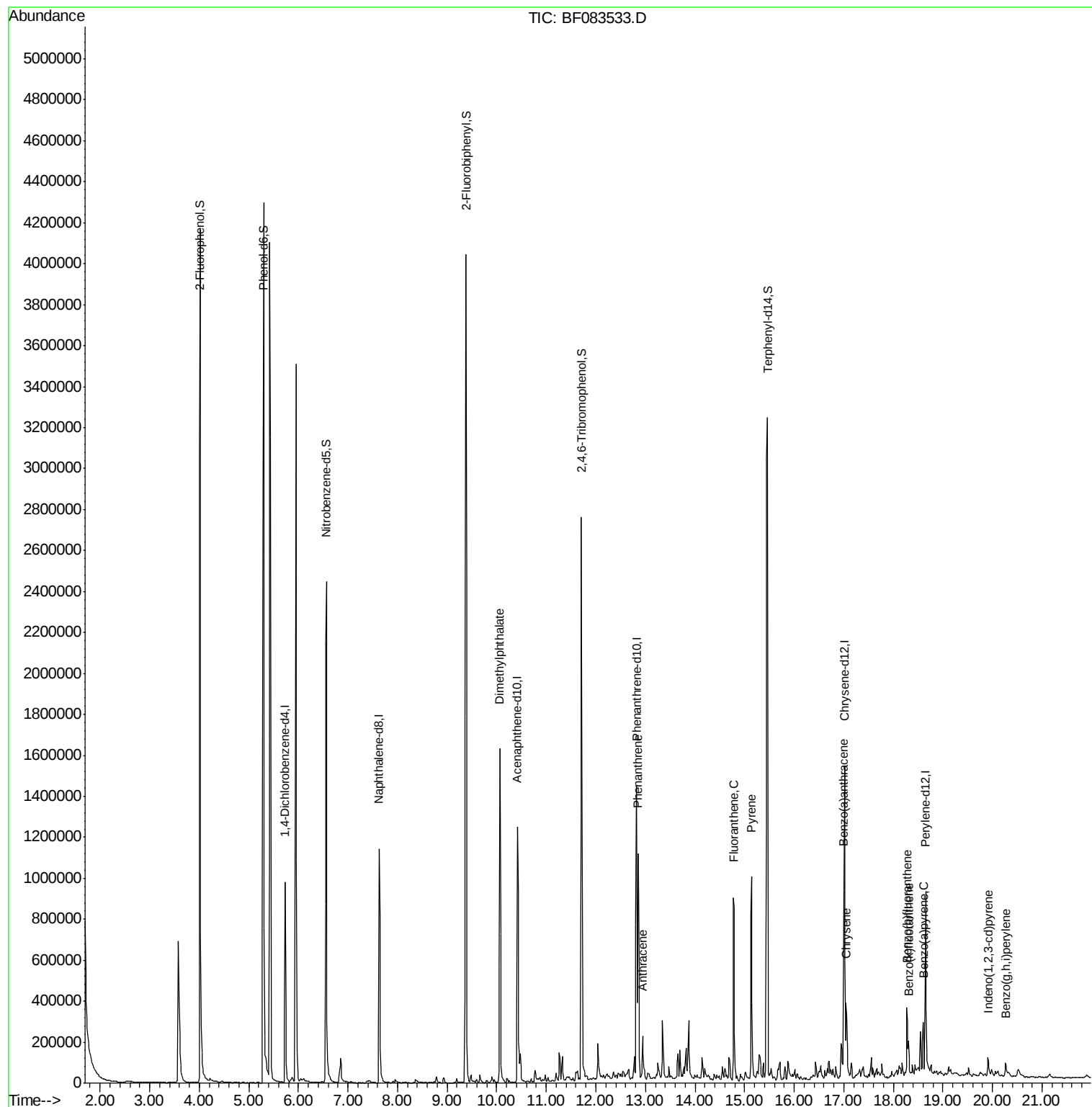
Data Path : Z:\HPCHEM1\BNA F\DATA\BF120615\
Data File : BF083533.D
Acq On : 6 Dec 2015 20:54
Operator : UM/IZ
Sample : G4614-13
Misc :
ALS Vial : 9 Sample Multiplier: 1

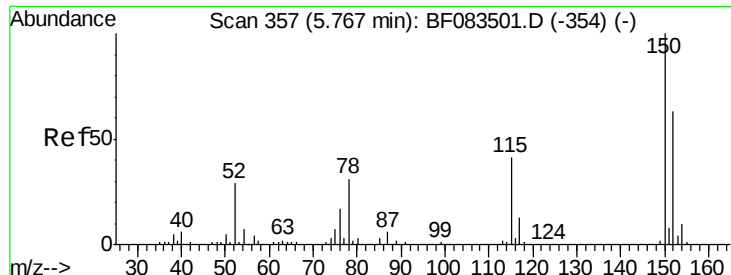
Instrument :
BNA_F
ClientSampled :
S28-15

Manual Integrations
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Quant Time: Dec 07 06:17:02 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

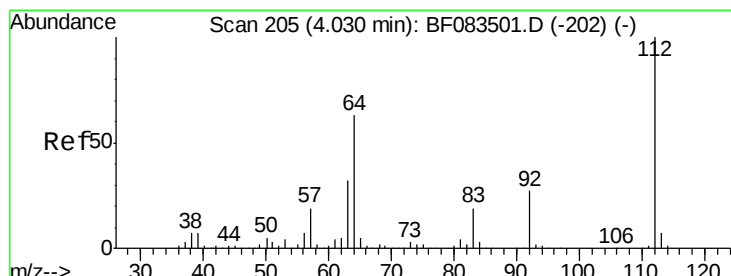
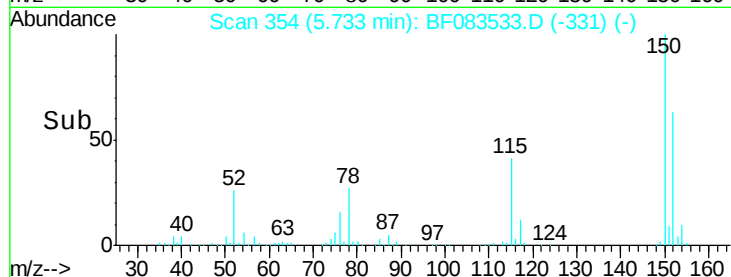
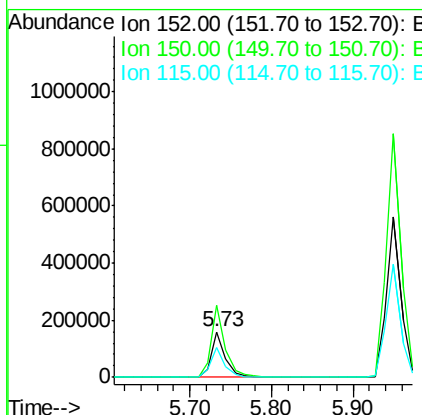
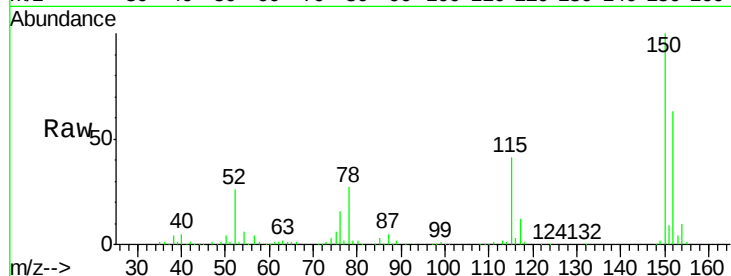
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.73 min Scan# 354
Delta R.T. -0.03 min
Lab File: BF083533.D
Acq: 6 Dec 2015 20:54

Instrument :
BNA_F
ClientSampled :
S28-15

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.0	126.5	189.7
115	64.4	52.3	78.5

Manual Integrations
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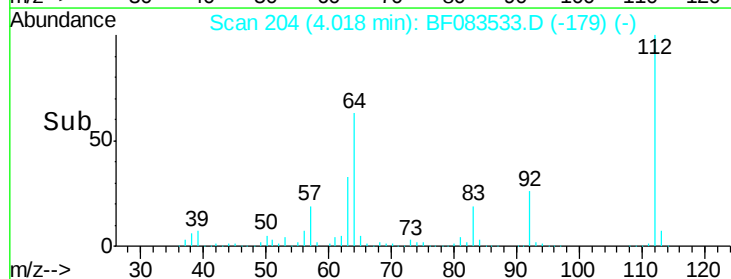
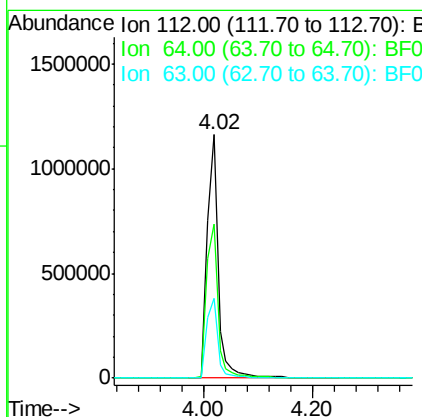
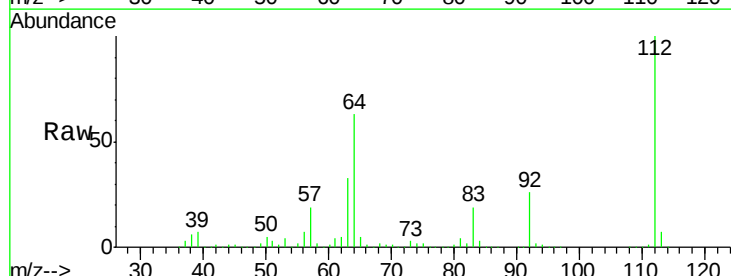
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#5

2-Fluorophenol
Concen: 129.10 ng
RT: 4.02 min Scan# 204
Delta R.T. -0.01 min
Lab File: BF083533.D
Acq: 6 Dec 2015 20:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.3	50.5	75.7
63	32.5	25.8	38.6





#7

Phenol-d6

Concen: 126.78 ng

RT: 5.30 min Scan# 316

Delta R.T. -0.02 min

Lab File: BF083533.D

Acq: 6 Dec 2015 20:54

Instrument :

BNA_F

ClientSampleId :

S28-15

Tot Ion: 99 Resp: 2215934

Ion Ratio Lower Upper

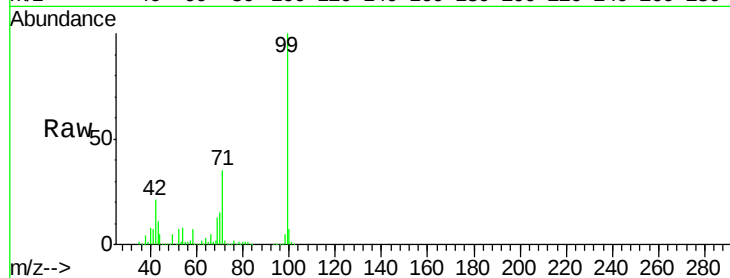
99 100

42 21.0 17.3 25.9

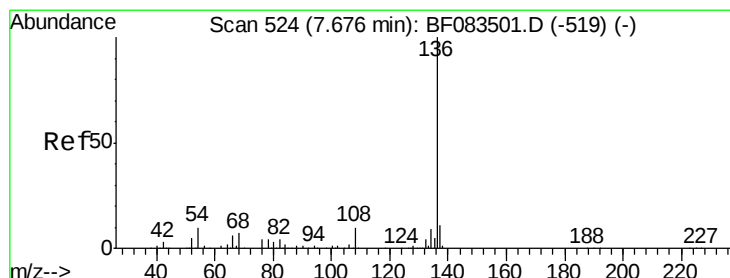
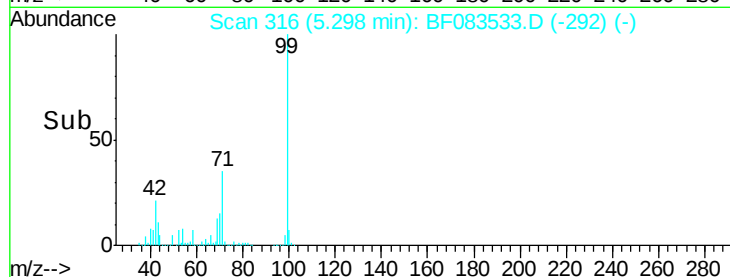
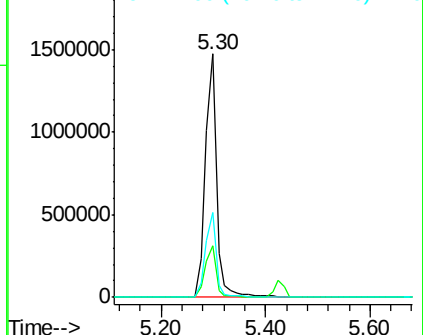
71 34.8 26.6 40.0

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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.63 min Scan# 520

Delta R.T. -0.05 min

Lab File: BF083533.D

Acq: 6 Dec 2015 20:54

Tgt Ion: 136 Resp: 761409

Ion Ratio Lower Upper

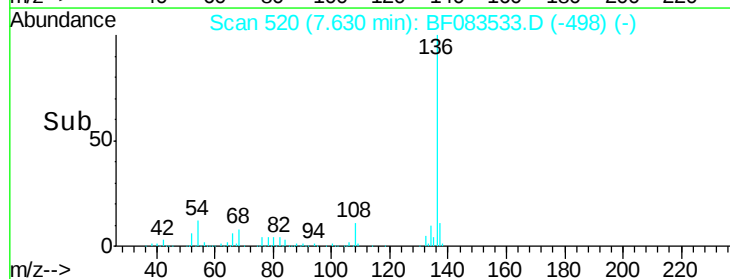
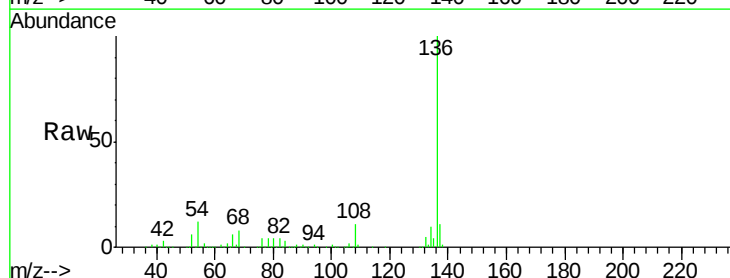
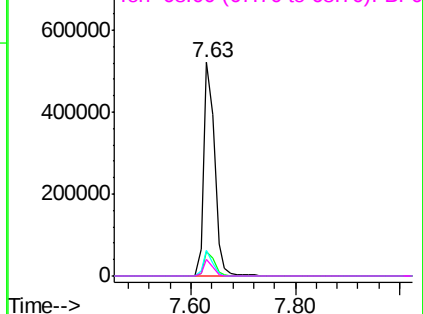
136 100

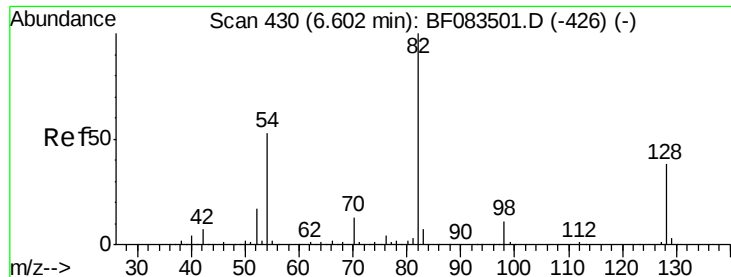
137 11.3 8.7 13.1

54 11.7 7.8 11.6#

68 7.9 5.7 8.5

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): BF0
Ion 68.00 (67.70 to 68.70): BF0





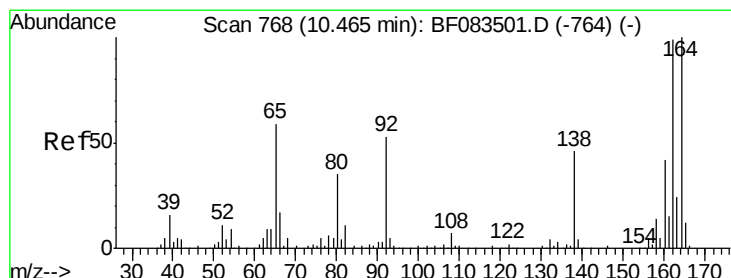
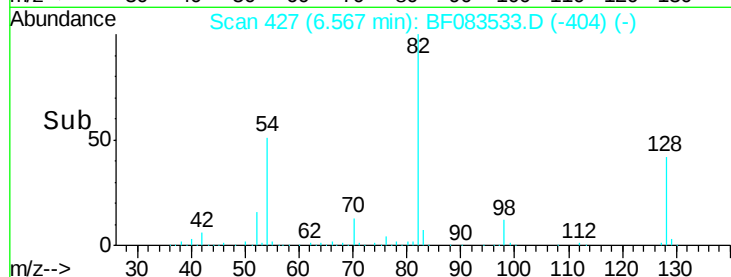
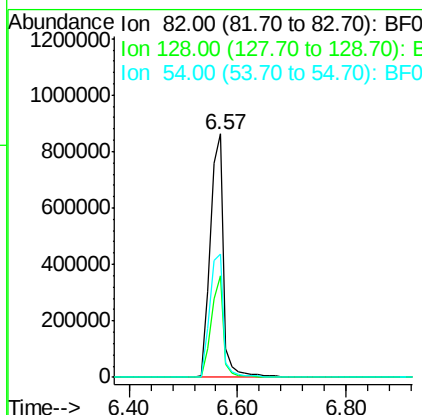
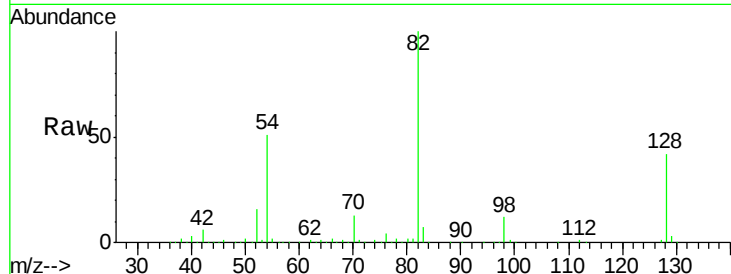
#23
Nitrobenzene-d5
Concen: 90.73 ng
RT: 6.57 min Scan# 427
Delta R.T. -0.03 min
Lab File: BF083533.D
Acq: 6 Dec 2015 20:54

Instrument :
BNA_F
ClientSampleId :
S28-15

Tot Ion	82	Resp	1477825
Ion Ratio	100	Lower	Upper
128	41.7	30.7	46.1
54	50.8	42.5	63.7

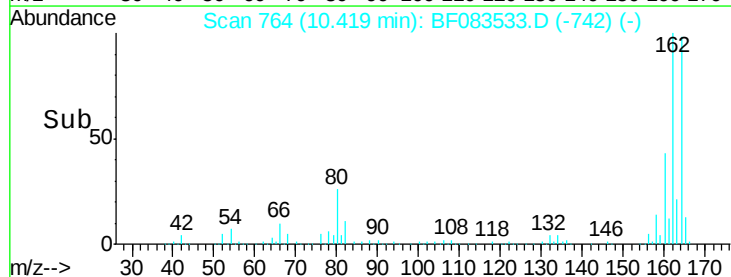
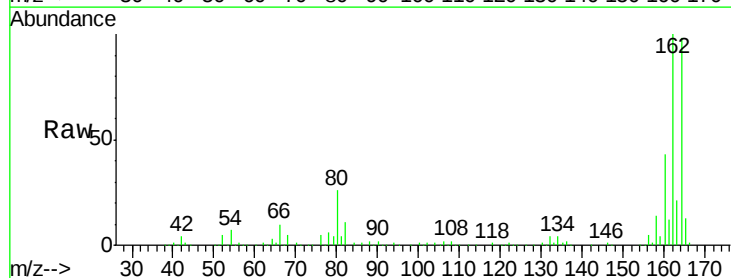
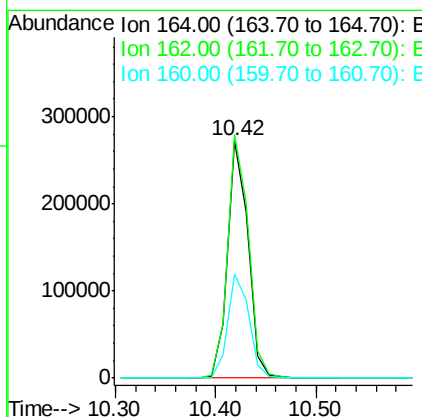
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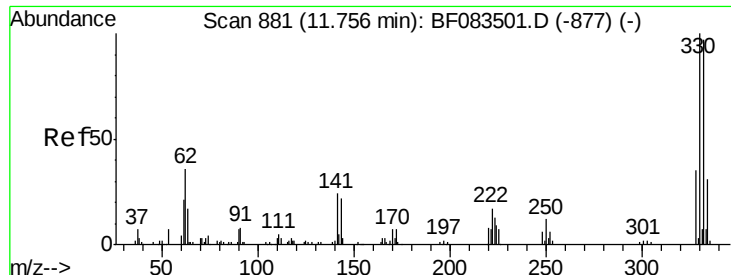
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.42 min Scan# 764
Delta R.T. -0.05 min
Lab File: BF083533.D
Acq: 6 Dec 2015 20:54

Tgt Ion	164	Resp	384177
Ion Ratio	100	Lower	Upper
162	102.5	78.8	118.2
160	43.7	33.4	50.2





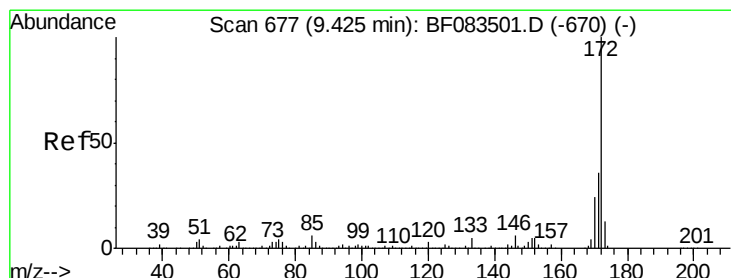
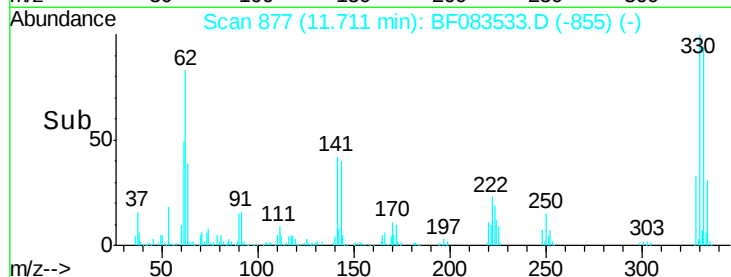
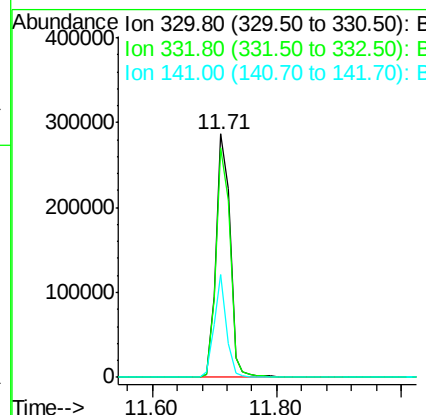
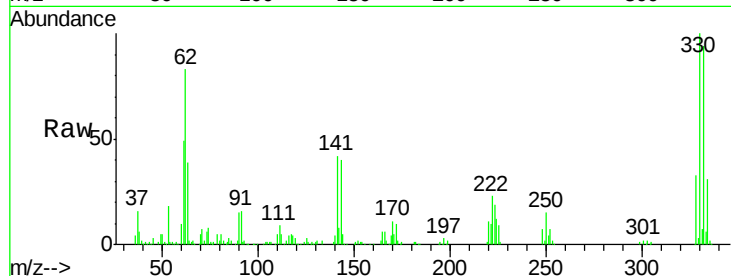
#41
 2,4,6-Tribromophenol
 Concen: 126.55 ng
 RT: 11.71 min Scan# 877
 Delta R.T. -0.05 min
 Lab File: BF083533.D
 Acq: 6 Dec 2015 20:54

Instrument :
 BNA_F
 ClientSampleId :
 S28-15

Tot Ion	Ratio	Resp	Lower	Upper
330	100	448491		
332	94.4	0.0	0.0	0.0
141	37.1	0.0	0.0	0.0

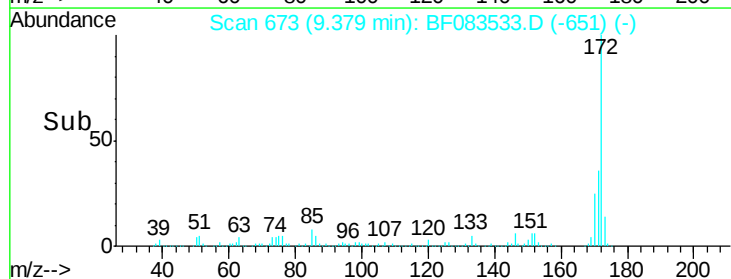
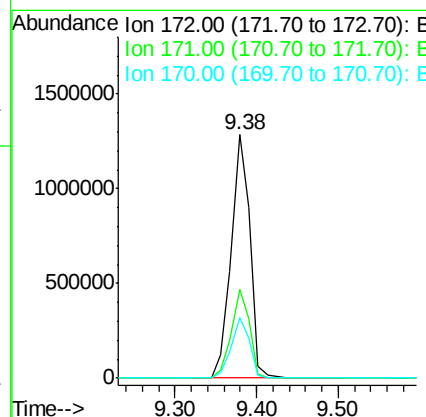
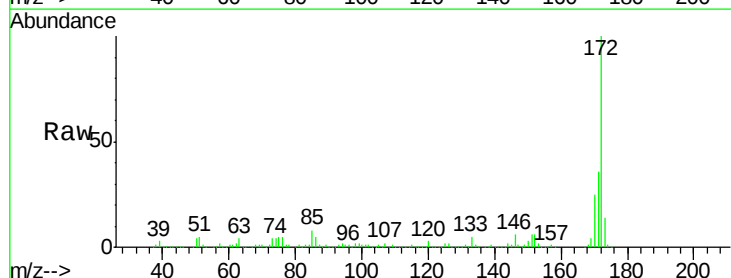
Manual Integrations
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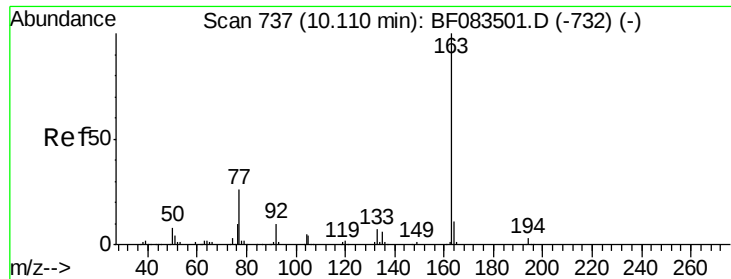
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#44
 2-Fluorobiphenyl
 Concen: 72.14 ng
 RT: 9.38 min Scan# 673
 Delta R.T. -0.05 min
 Lab File: BF083533.D
 Acq: 6 Dec 2015 20:54

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	2043364		
171	36.5	28.6	42.8	
170	24.7	19.4	29.0	





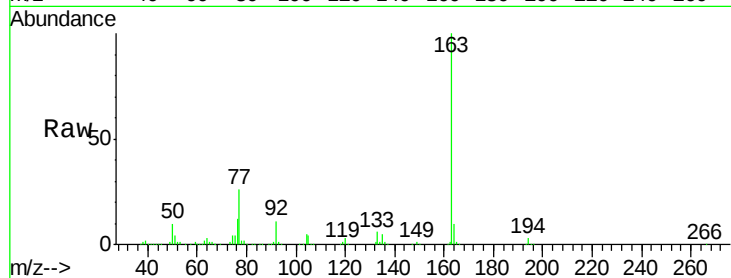
#49
Dimethylphthalate
Concen: 30.53 ng
RT: 10.06 min Scan# 733
Delta R.T. -0.05 min
Lab File: BF083533.D
Acq: 6 Dec 2015 20:54

Instrument :
BNA_F
ClientSampleId :
S28-15

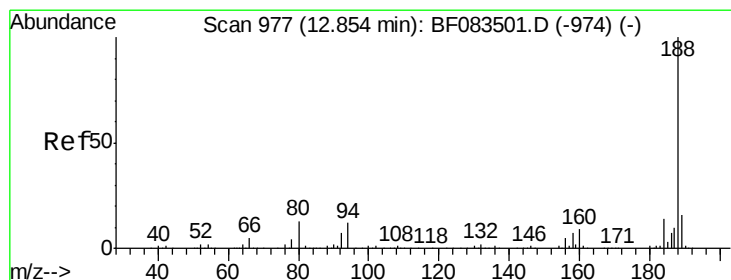
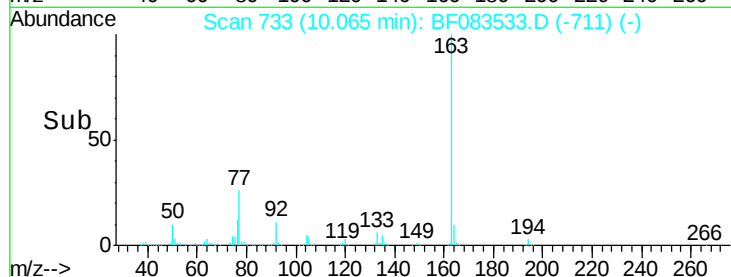
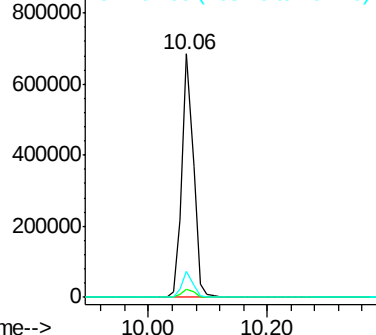
Tot Ion	Ratio	Resp	Lower	Upper
163	100	923276		
194	3.1		2.8	4.2
164	10.5		8.6	13.0

Manual Integrations
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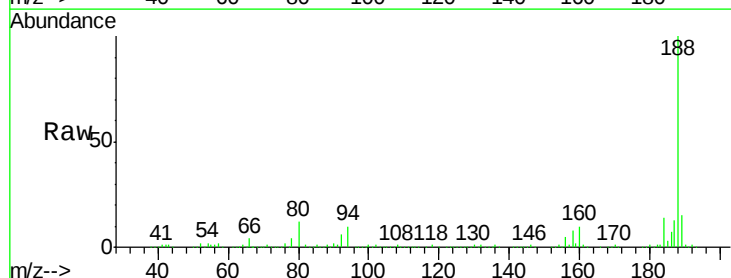


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

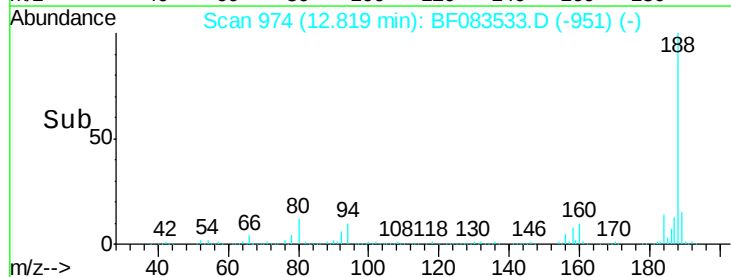
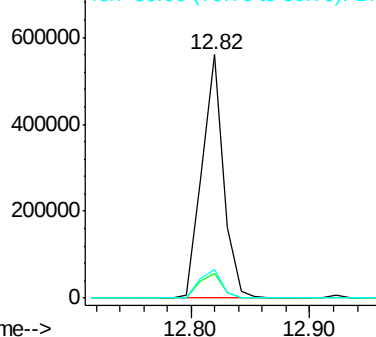


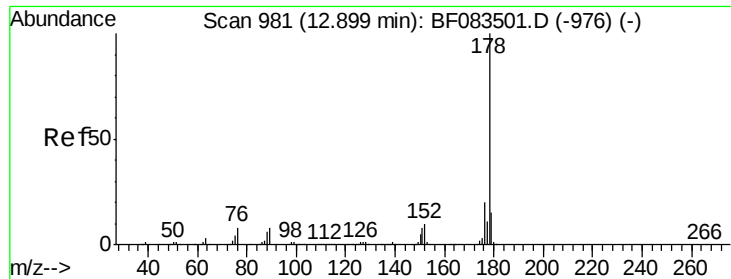
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.82 min Scan# 974
Delta R.T. -0.03 min
Lab File: BF083533.D
Acq: 6 Dec 2015 20:54

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	702594		
94	10.2		9.4	14.2
80	11.6		10.6	16.0



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0





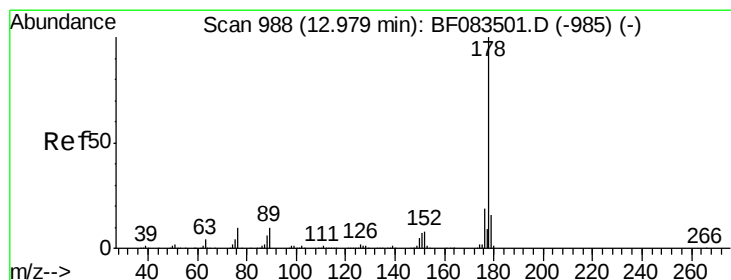
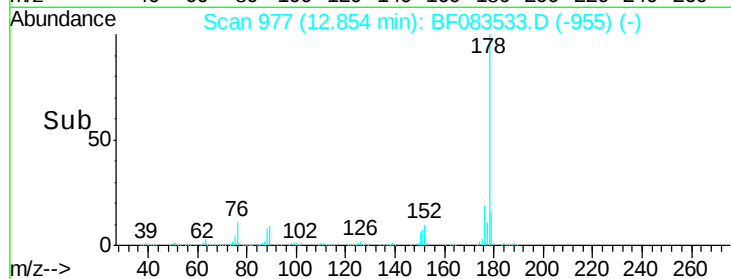
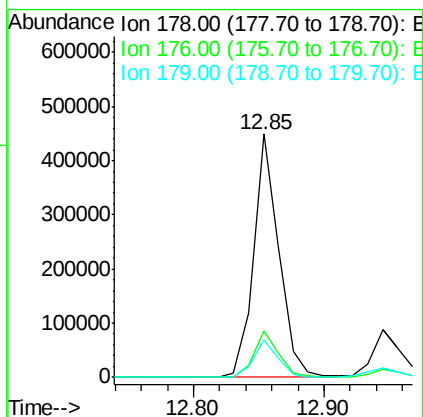
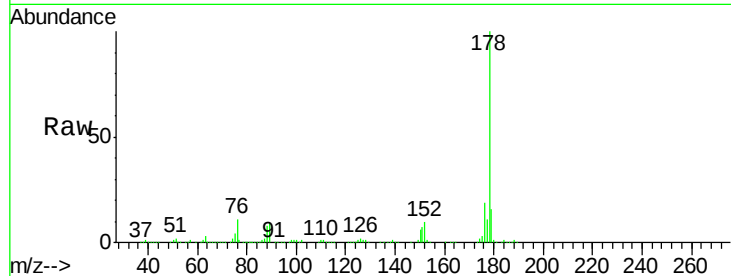
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Phenanthrene
Concen: 14.85 ng
RT: 12.85 min Scan# 977
Delta R.T. -0.05 min
Lab File: BF083533.D
Acq: 6 Dec 2015 20:54

Instrument :
BNA_F
ClientSampleId :
S28-15

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.7	23.5
179	15.6	12.2	18.4

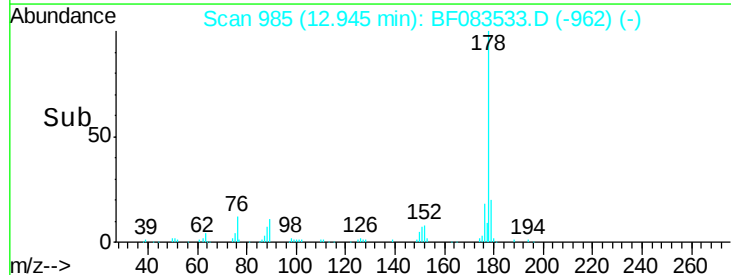
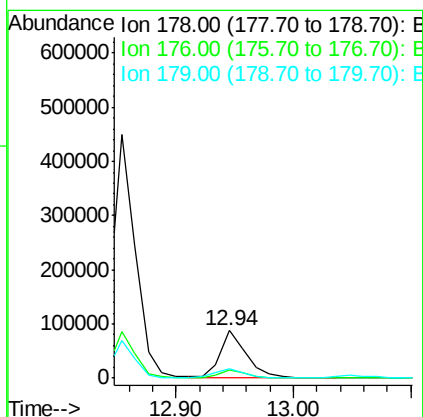
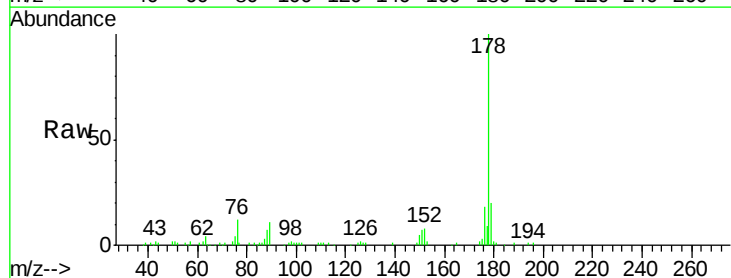
Manual Integrations
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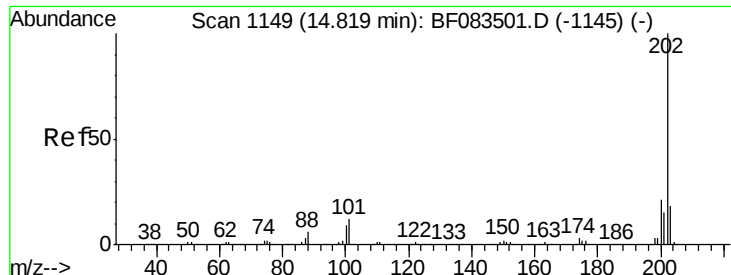
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#71
Anthracene
Concen: 3.37 ng m
RT: 12.94 min Scan# 985
Delta R.T. -0.03 min
Lab File: BF083533.D
Acq: 6 Dec 2015 20:54

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.2	22.8
179	20.0	12.6	18.8#





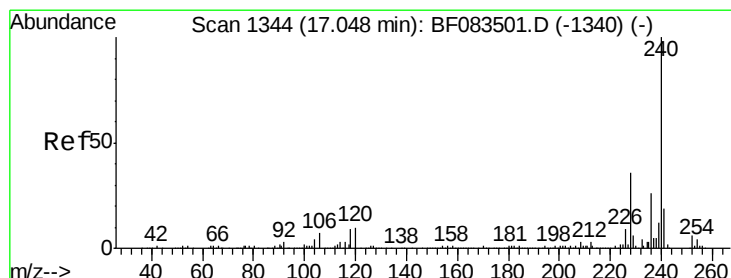
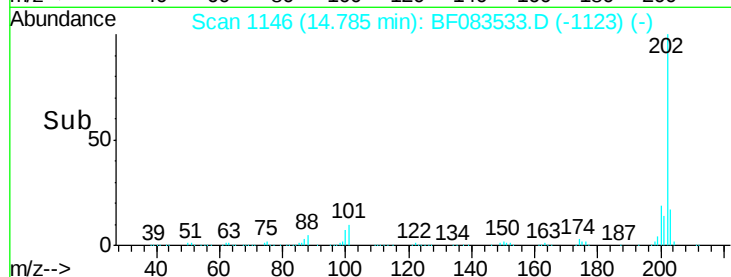
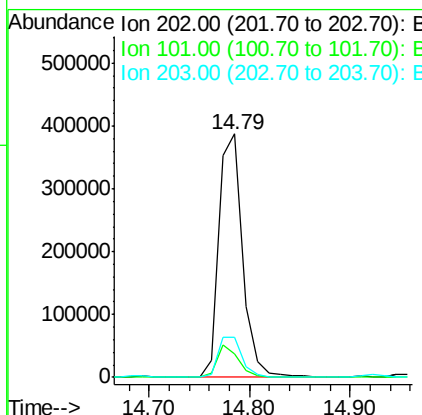
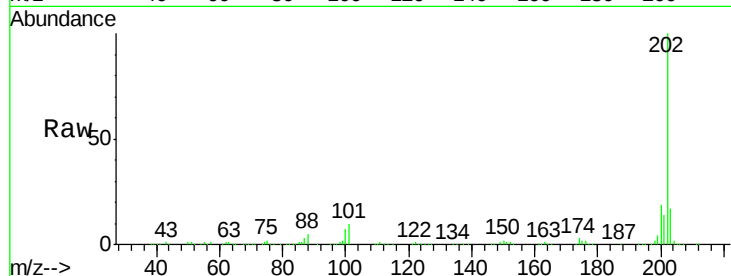
#74
 Fluoranthene
 Concen: 15.62 ng
 RT: 14.79 min Scan# 1146
 Delta R.T. -0.03 min
 Lab File: BF083533.D
 Acq: 6 Dec 2015 20:54

Instrument :
 BNA_F
 ClientSampled :
 S28-15

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	9.6	0.0	31.5
203	16.7	0.0	37.6

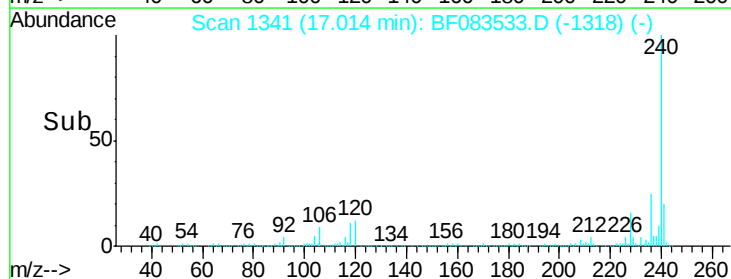
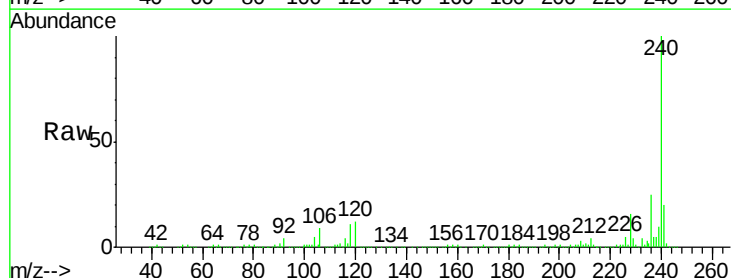
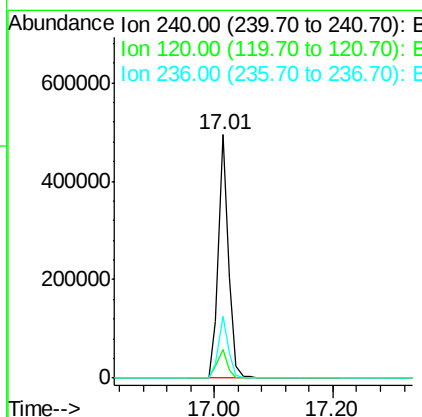
Manual Integrations
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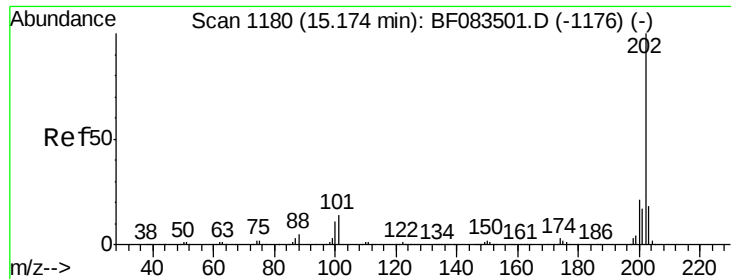
Mmdadoda
 12/7/2015 6:33:20 PM



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 17.01 min Scan# 1341
 Delta R.T. -0.03 min
 Lab File: BF083533.D
 Acq: 6 Dec 2015 20:54

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	11.7	8.1	12.1
236	25.4	20.8	31.2





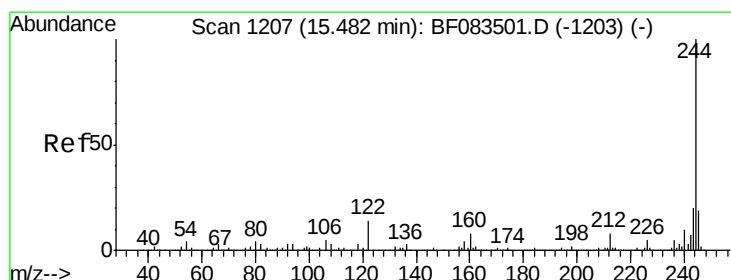
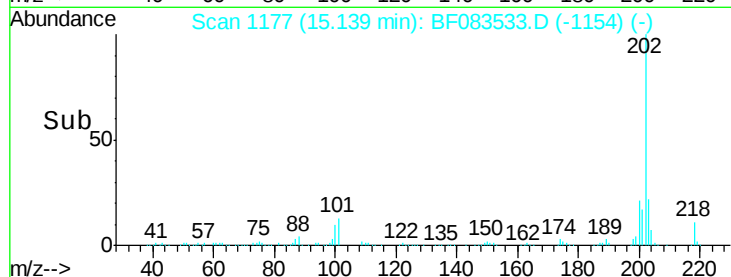
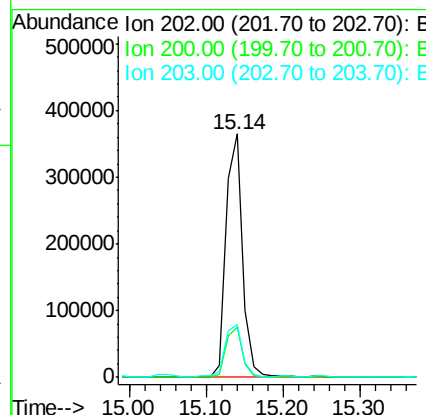
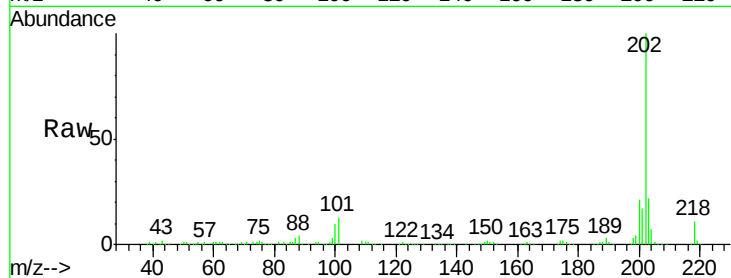
#77
Pvrene
Concen: 12.61 ng
RT: 15.14 min Scan# 1177
Delta R.T. -0.03 min
Lab File: BF083533.D
Acq: 6 Dec 2015 20:54

Instrument :
BNA_F
ClientSampleId :
S28-15

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.8	16.7	25.1
203	21.8	14.3	21.5#

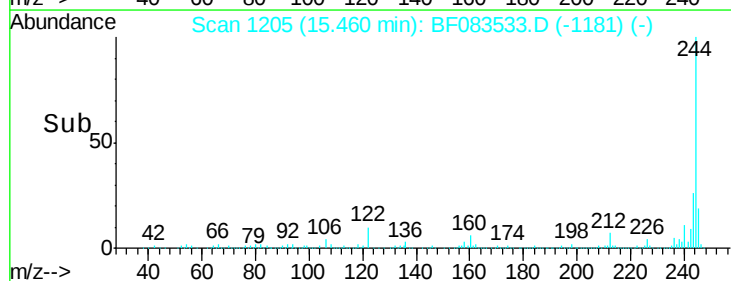
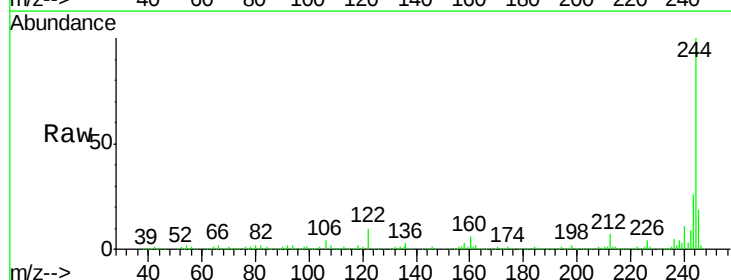
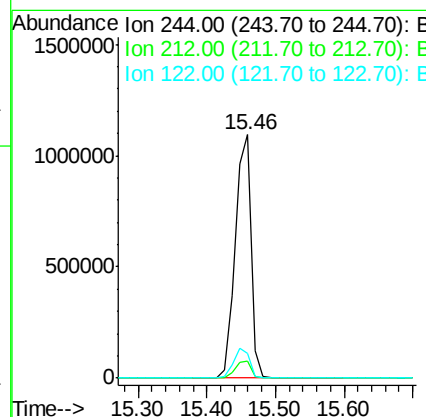
Manual Integrations
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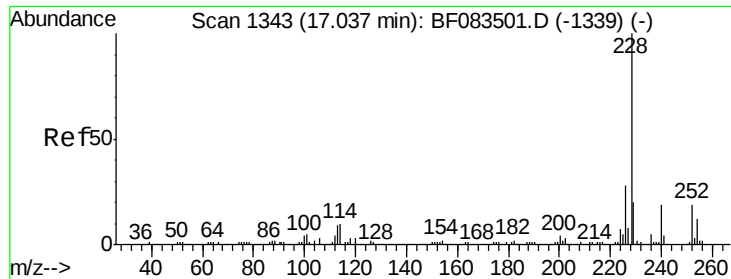
Mmdadoda
12/7/2015 6:33:20 PM



#78
Terphenyl-d14
Concen: 68.06 ng
RT: 15.46 min Scan# 1205
Delta R.T. -0.02 min
Lab File: BF083533.D
Acq: 6 Dec 2015 20:54

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.1	6.1	9.1
122	10.0	11.0	16.6#





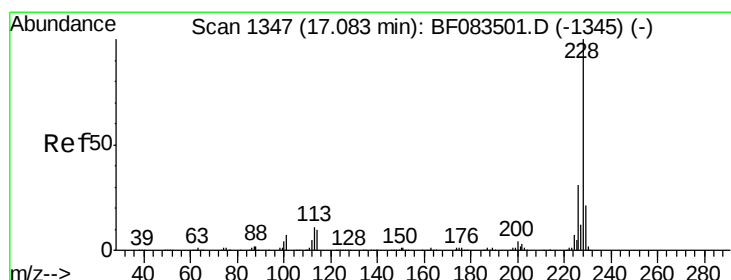
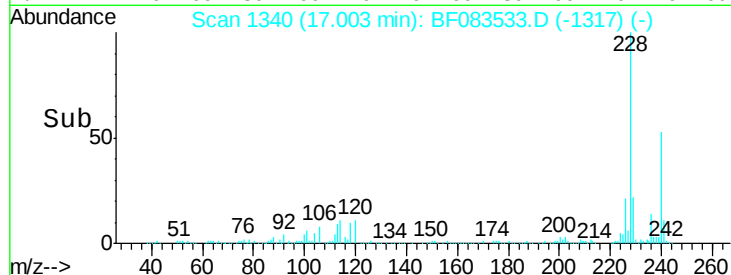
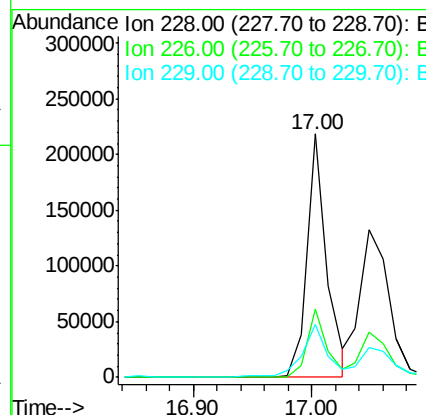
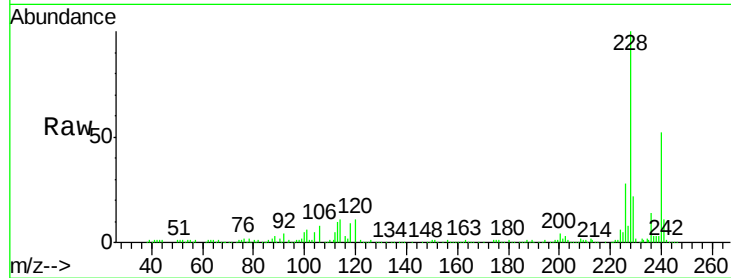
#80
Benzo(a)anthracene
Concen: 7.39 ng
RT: 17.00 min Scan# 1340
Delta R.T. -0.03 min
Lab File: BF083533.D
Acq: 6 Dec 2015 20:54

Instrument :
BNA_F
ClientSampled :
S28-15

Tot Ion	Ratio	Resp	Lower	Upper
228	100	253496		
226	28.0		22.3	33.5
229	21.7		15.7	23.5

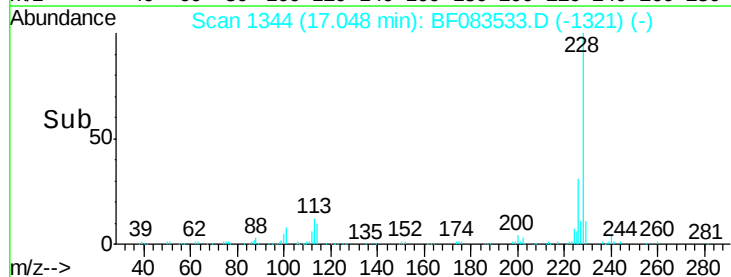
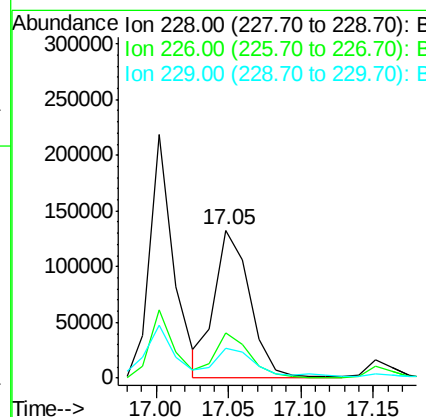
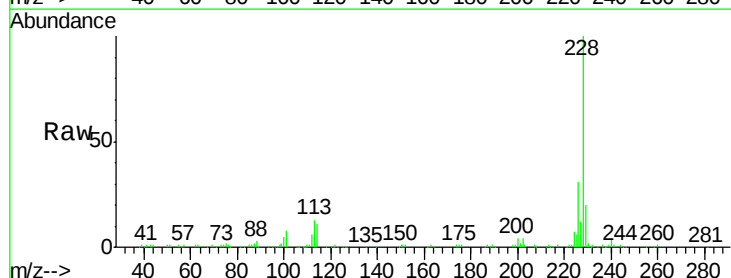
Manual Integrations
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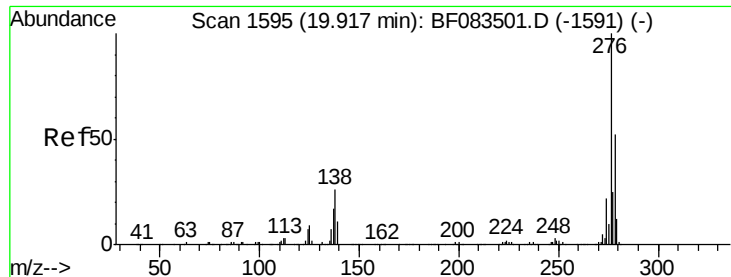
Mmdadoda
12/7/2015 6:33:20 PM



#82
Chrysene
Concen: 6.61 ng
RT: 17.05 min Scan# 1344
Delta R.T. -0.03 min
Lab File: BF083533.D
Acq: 6 Dec 2015 20:54

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	225767		
226	30.8		24.7	37.1
229	20.3		16.3	24.5





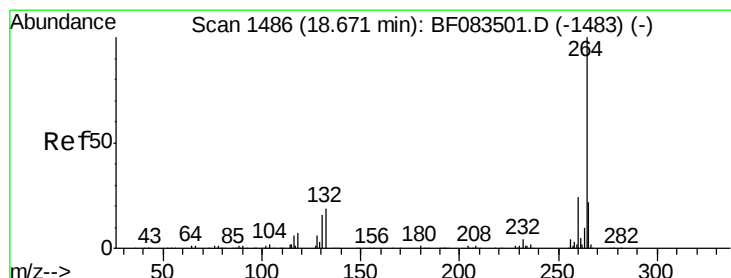
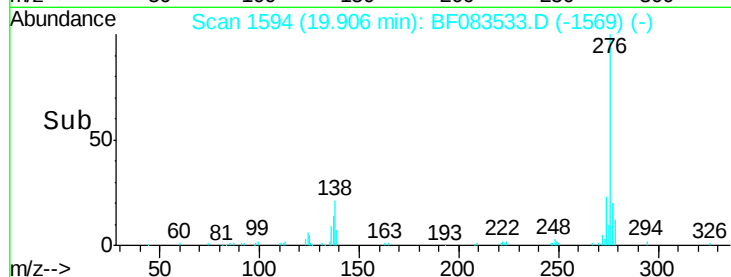
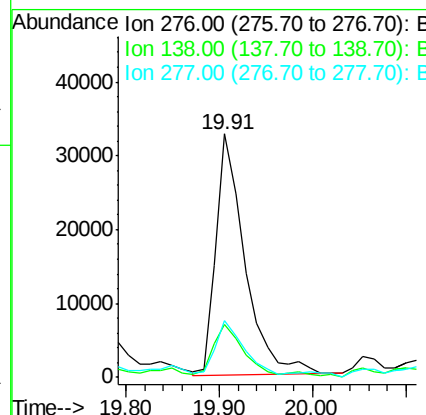
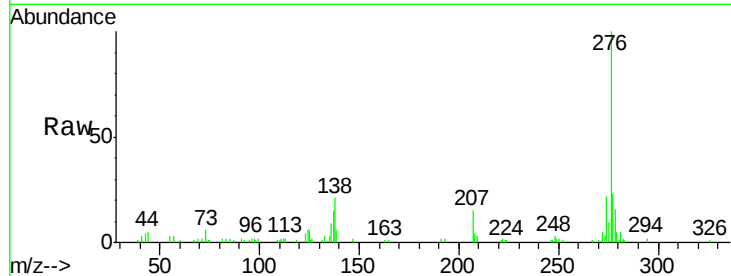
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.40 ng
 RT: 19.91 min Scan# 1594
 Delta R.T. -0.01 min
 Lab File: BF083533.D
 Acq: 6 Dec 2015 20:54

Instrument :
 BNA_F
 ClientSampleId :
 S28-15

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.7	0.0	0.0#
277	21.7	0.0	0.0#

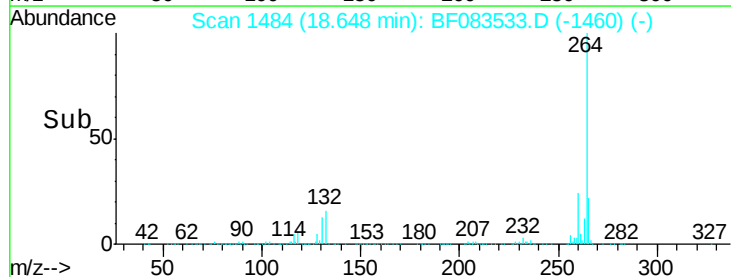
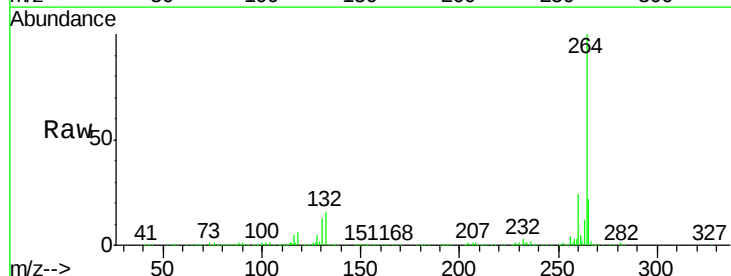
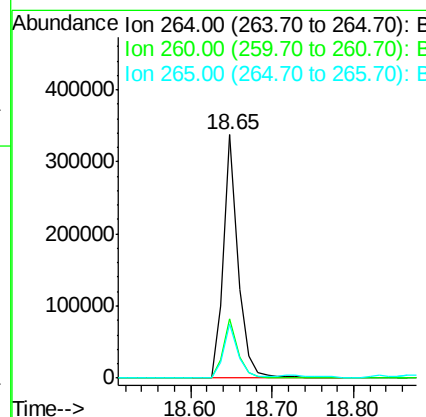
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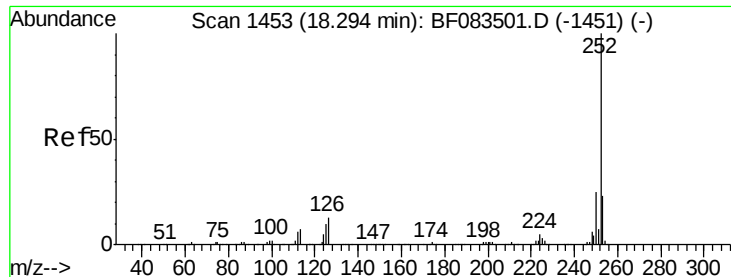
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 18.65 min Scan# 1484
 Delta R.T. -0.02 min
 Lab File: BF083533.D
 Acq: 6 Dec 2015 20:54

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.4	29.0
265	22.2	17.8	26.6





#87

Benzo(b)fluoranthene

Concen: 8.55 ng m

RT: 18.27 min Scan# 1451

Delta R.T. -0.02 min

Lab File: BF083533.D

Acq: 6 Dec 2015 20:54

Instrument :

BNA_F

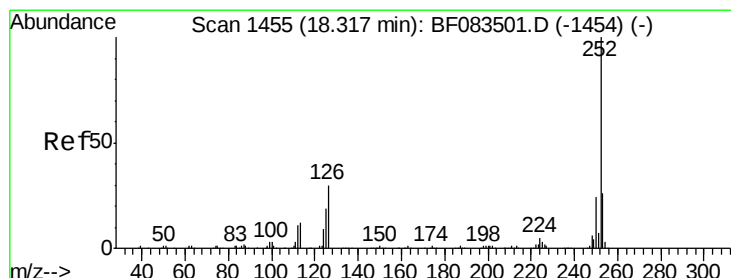
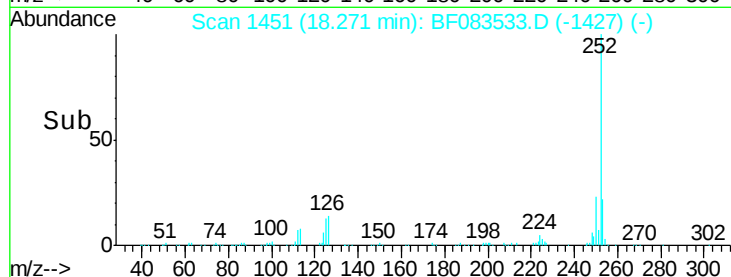
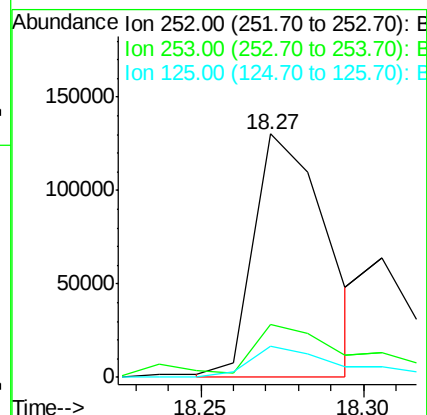
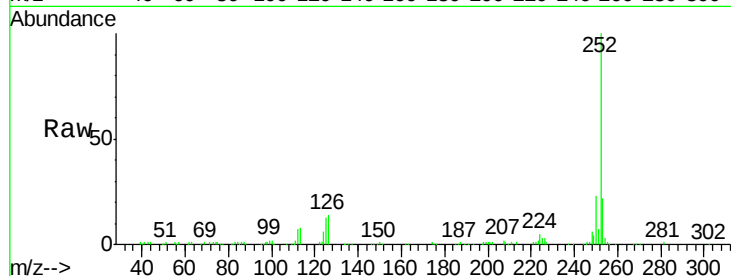
ClientSampleId :

S28-15

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.2	27.4
125	12.8	8.2	12.4

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 3.01 ng m

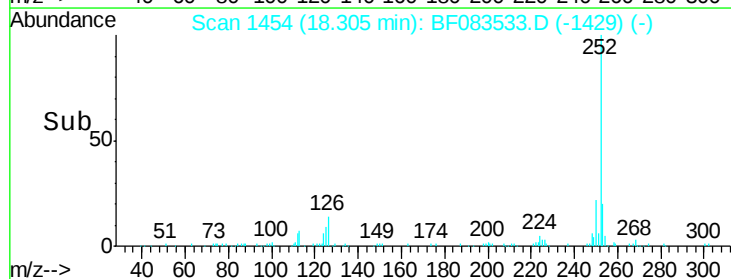
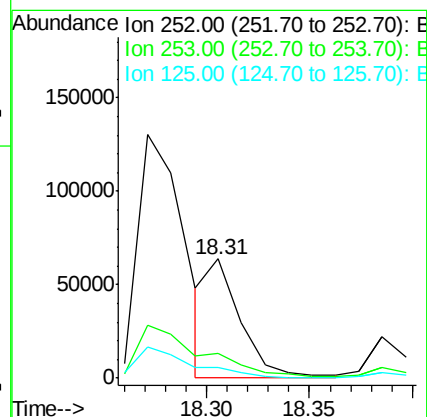
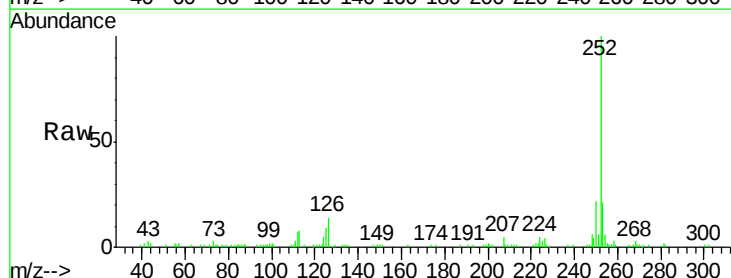
RT: 18.31 min Scan# 1454

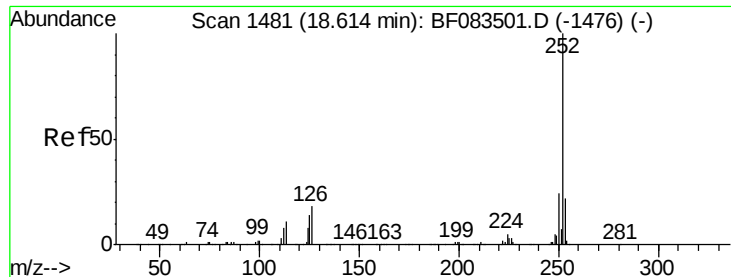
Delta R.T. -0.01 min

Lab File: BF083533.D

Acq: 6 Dec 2015 20:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.1	18.6	27.8
125	9.3	11.5	17.3





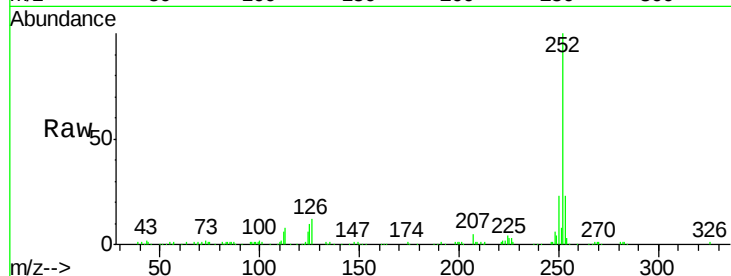
#89
Benzo(a)pyrene
Concen: 5.98 ng/ml
RT: 18.60 min Scan# 1480
Delta R.T. -0.01 min
Lab File: BF083533.D
Acq: 6 Dec 2015 20:54

Instrument :
BNA_F
ClientSampleId :
S28-15

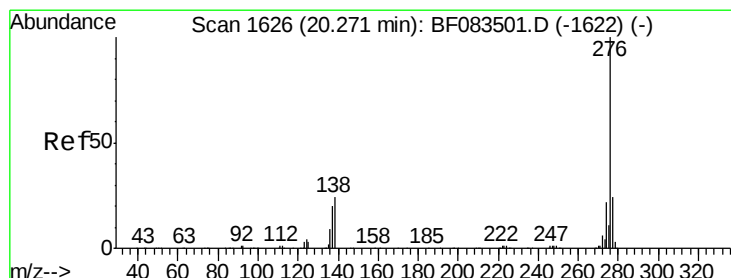
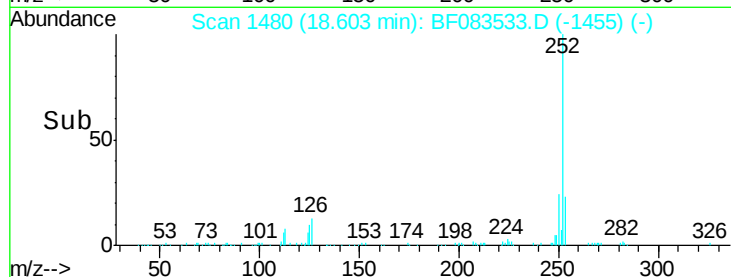
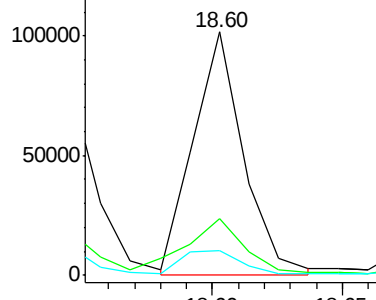
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.5	26.3
125	10.1	11.0	16.6

Manual Integrations
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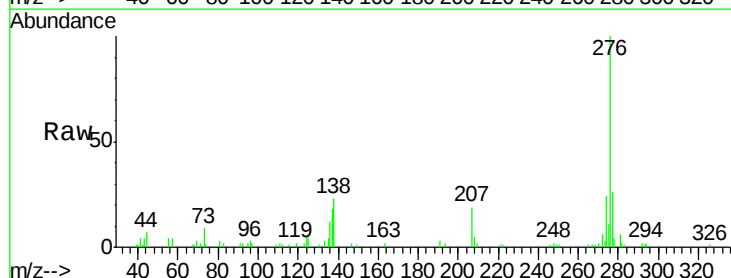


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 2.91 ng/ml
RT: 20.26 min Scan# 1625
Delta R.T. -0.01 min
Lab File: BF083533.D
Acq: 6 Dec 2015 20:54

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.3	19.2	28.8
138	22.8	19.5	29.3



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

