

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031716\
 Data File : BF085527.D
 Acq On : 18 Mar 2016 9:41
 Operator : UM/SJ
 Sample : H1776-14
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-02

Manual Integrations
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Quant Time: Mar 18 11:27:49 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 15 18:57:05 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	164131	20.00	ng	-0.05
21) Naphthalene-d8	8.15	136	613642	20.00	ng	-0.06
38) Acenaphthene-d10	9.91	164	280665	20.00	ng	-0.05
63) Phenanthrene-d10	11.40	188	468862	20.00	ng	-0.05
75) Chrysene-d12	14.03	240	275918	20.00	ng	-0.06
86) Perylene-d12	15.47	264	269077	20.00	ng	-0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	1048285	109.79	ng	-0.03
7) Phenol-d6	6.50	99	1180875	95.34	ng	-0.05
23) Nitrobenzene-d5	7.43	82	853498	82.24	ng	-0.06
41) 2,4,6-Tribromophenol	10.70	330	244524	94.59	ng	-0.06
44) 2-Fluorobiphenyl	9.24	172	1217343	75.25	ng	-0.05
78) Terphenyl-d14	12.97	244	704711	57.78	ng	-0.06
Target Compounds						Qvalue
49) Dimethylphthalate	9.62	163	328565	16.05	ng	99
70) Phenanthrene	11.42	178	207134	8.48	ng	96
71) Anthracene	11.46	178	58483	2.35	ng	98
74) Fluoranthene	12.61	202	344313	15.00	ng	96
77) Pyrene	12.84	202	302396	14.61	ng	97
80) Benzo(a)anthracene	14.01	228	149397	9.44	ng	99
82) Chrysene	14.06	228	111115m	7.81	ng	
83) Bis(2-ethylhexyl)phthalate	14.01	149	27291	2.47	ng	# 97
85) Indeno(1,2,3-cd)pyrene	16.87	276	70309	5.21	ng	91
87) Benzo(b)fluoranthene	15.05	252	163722m	9.32	ng	
88) Benzo(k)fluoranthene	15.08	252	59418m	4.32	ng	
89) Benzo(a)pyrene	15.41	252	121174	7.98	ng	98
91) Benzo(g,h,i)perylene	17.29	276	69580	4.59	ng	97

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

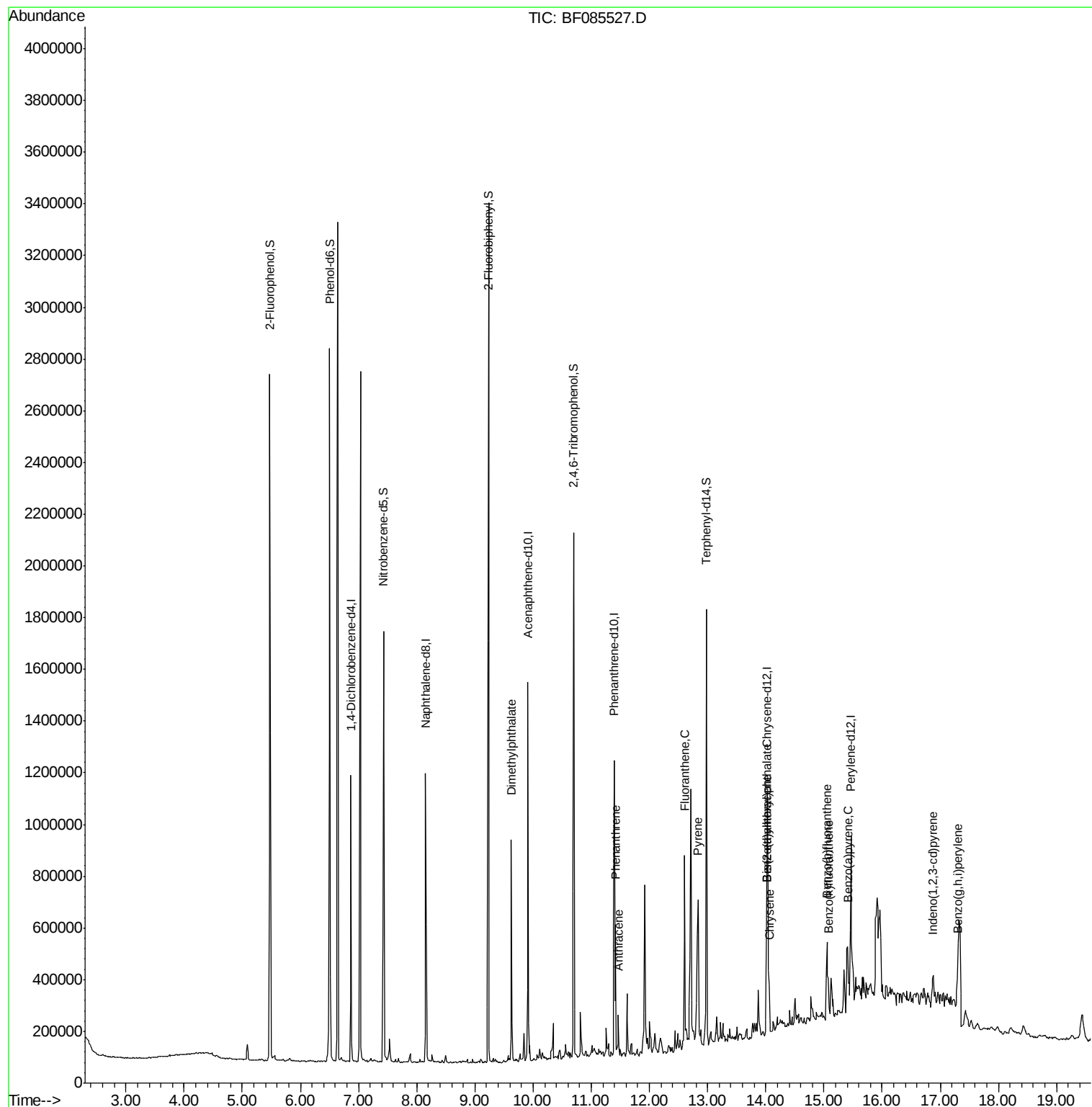
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031716\
Data File : BF085527.D
Acq On : 18 Mar 2016 9:41
Operator : UM/SJ
Sample : H1776-14
Misc :
ALS Vial : 47 Sample Multiplier: 1

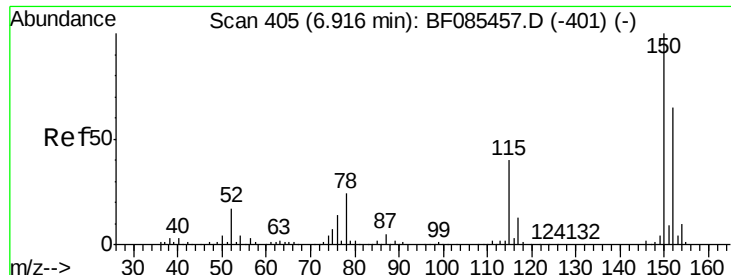
Instrument :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031516.M
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#1

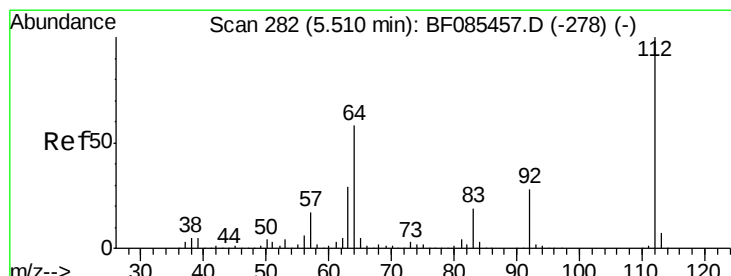
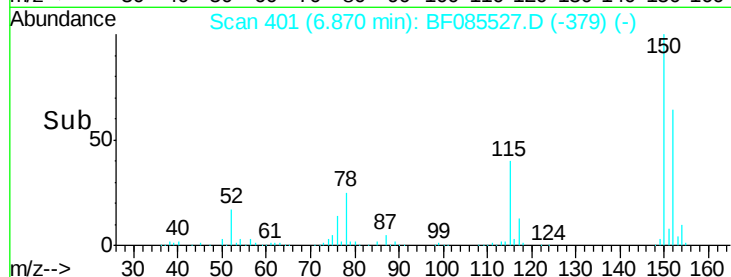
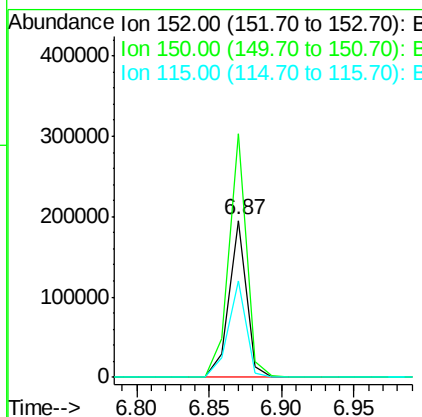
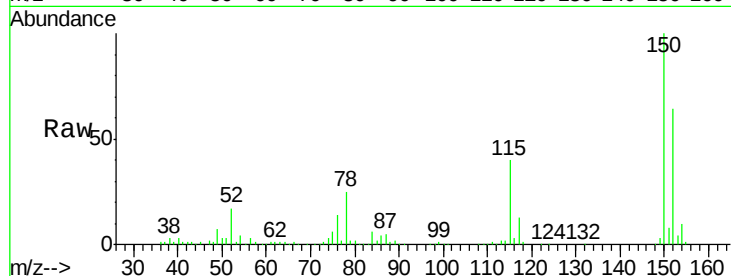
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 401
Delta R.T. -0.05 min
Lab File: BF085527.D
Acq: 18 Mar 2016 9:41

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-02

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.2	124.6	186.8
115	61.7	46.6	70.0

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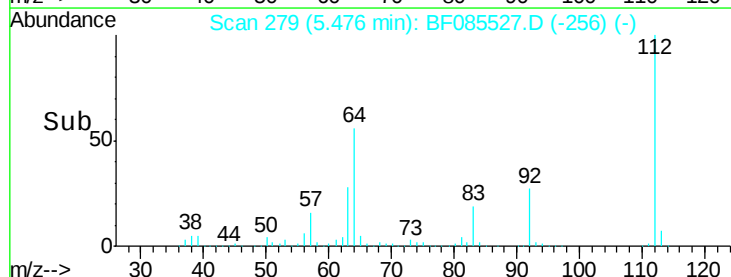
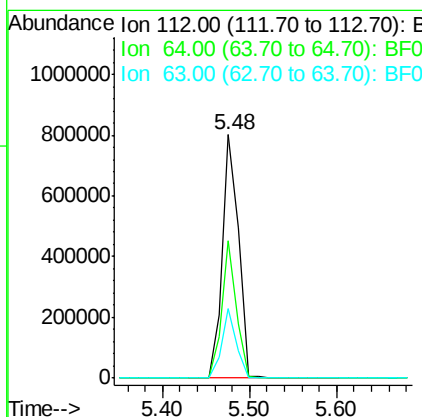
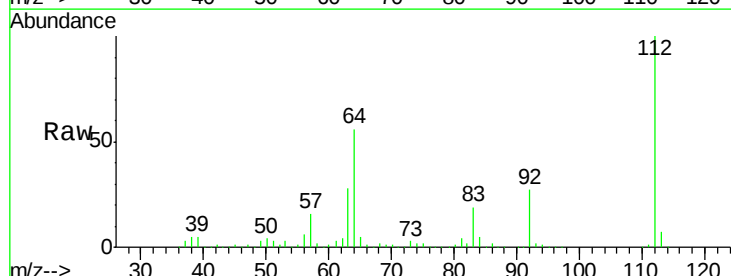
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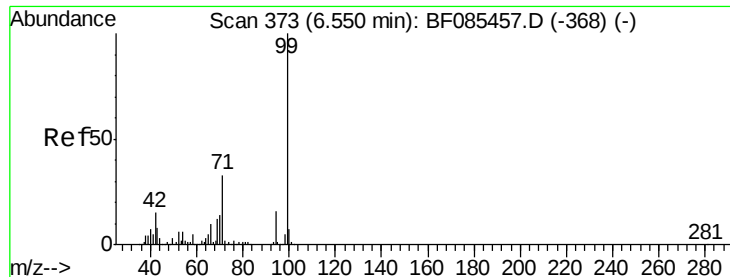


#5

2-Fluorophenol
Concen: 109.79 ng
RT: 5.48 min Scan# 279
Delta R.T. -0.03 min
Lab File: BF085527.D
Acq: 18 Mar 2016 9:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.2	49.0	73.4
63	28.5	24.8	37.2





#7

Phenol-d6

Concen: 95.34 ng

RT: 6.50 min Scan# 369

Delta R.T. -0.05 min

Lab File: BF085527.D

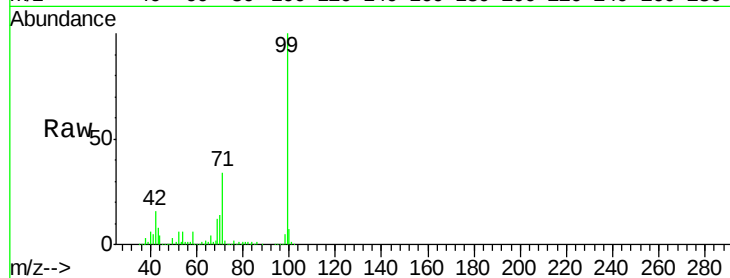
Acq: 18 Mar 2016 9:41

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-02



Tgt Ion: 99 Resp: 1180875

Ion Ratio Lower Upper

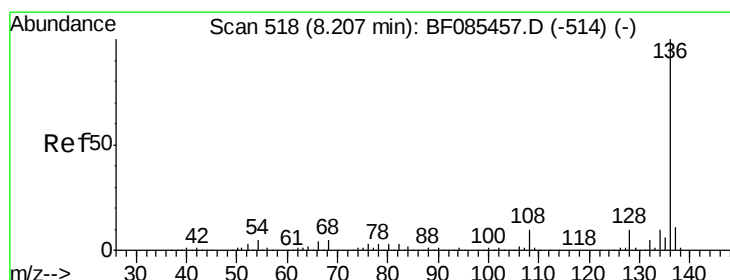
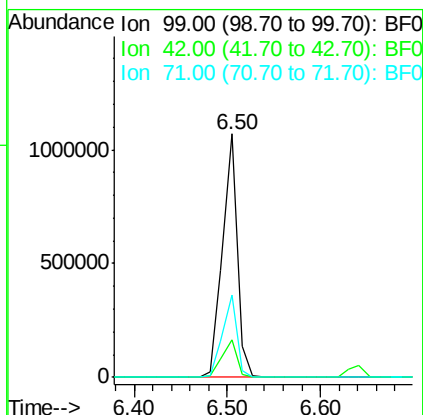
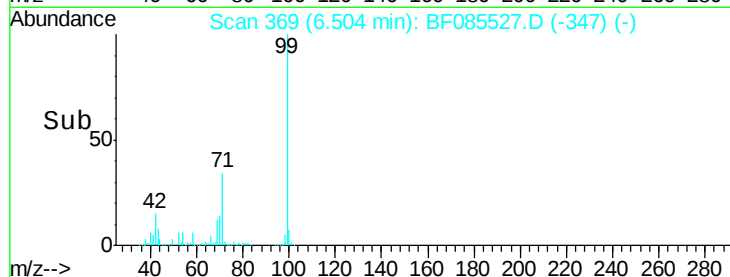
99 100

42 15.5 13.6 20.4

71 33.6 26.7 40.1

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.15 min Scan# 513

Delta R.T. -0.06 min

Lab File: BF085527.D

Acq: 18 Mar 2016 9:41

Tgt Ion: 136 Resp: 613642

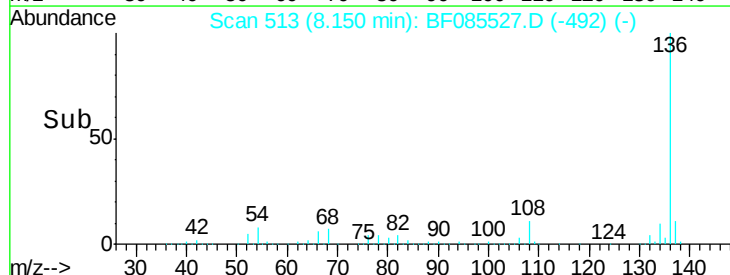
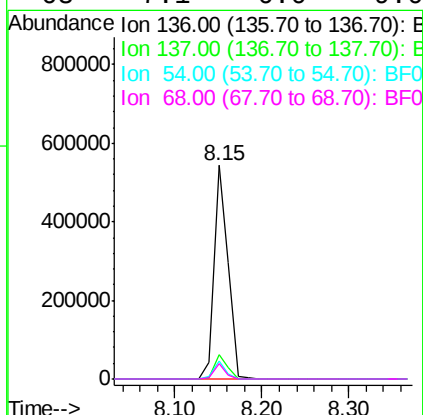
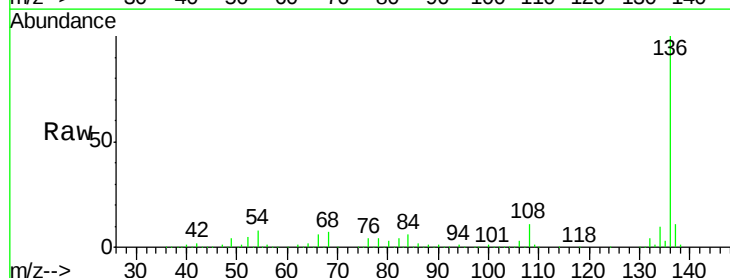
Ion Ratio Lower Upper

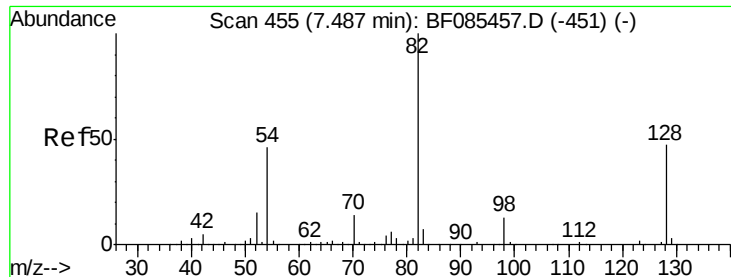
136 100

137 11.4 9.3 13.9

54 8.4 7.4 11.2

68 7.1 6.0 9.0





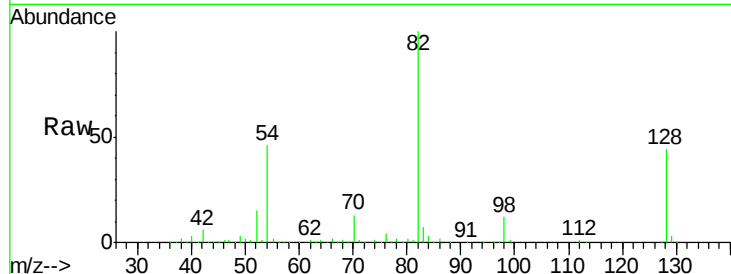
#23
 Nitrobenzene-d5
 Concen: 82.24 ng
 RT: 7.43 min Scan# 450
 Delta R.T. -0.06 min
 Lab File: BF085527.D
 Acq: 18 Mar 2016 9:41

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-02

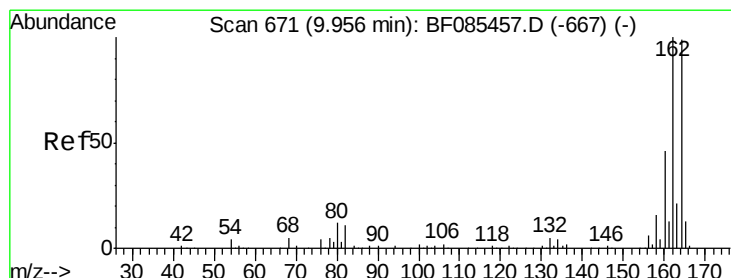
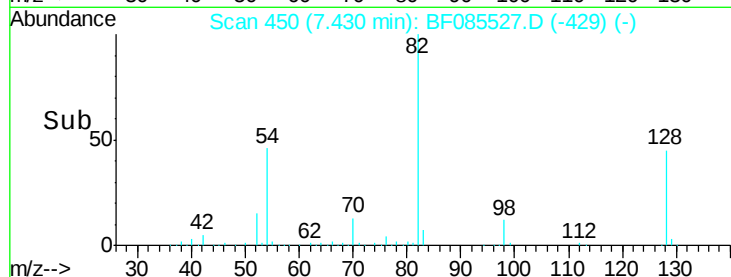
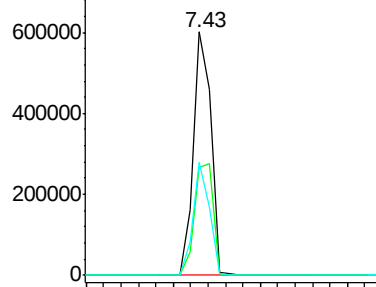
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	853498		
128	44.5	34.5	51.7	
54	46.3	39.3	58.9	

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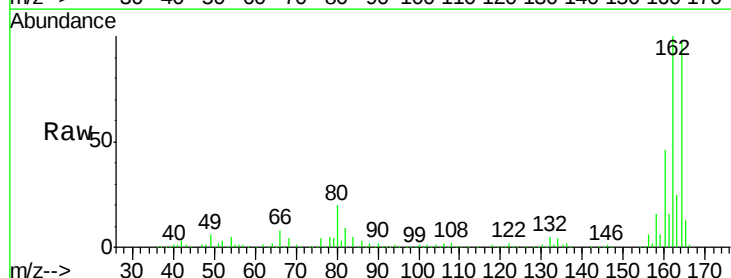


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

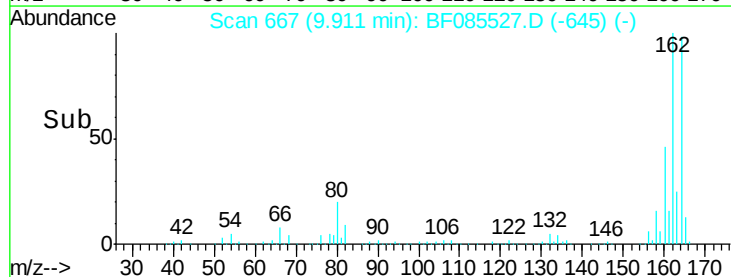
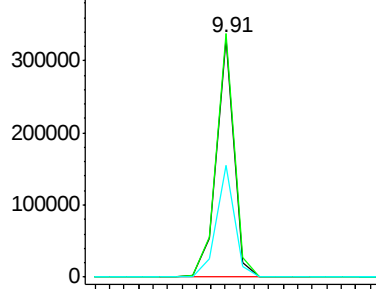


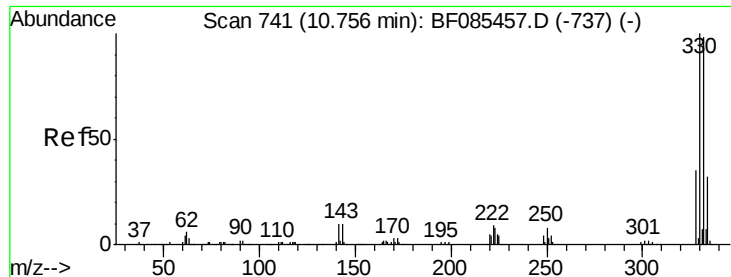
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.91 min Scan# 667
 Delta R.T. -0.05 min
 Lab File: BF085527.D
 Acq: 18 Mar 2016 9:41

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	280665		
162	102.1	83.3	124.9	
160	46.6	37.9	56.9	



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





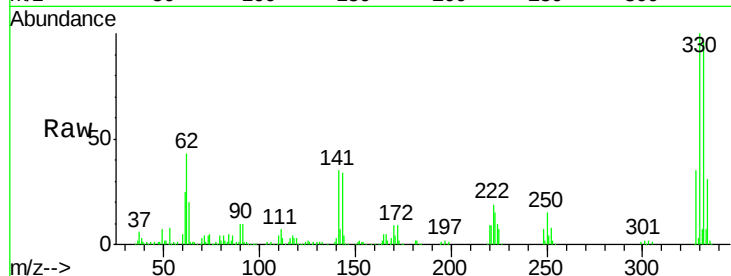
#41
 2,4,6-Tribromophenol
 Concen: 94.59 ng
 RT: 10.70 min Scan# 736
 Delta R.T. -0.06 min
 Lab File: BF085527.D
 Acq: 18 Mar 2016 9:41

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-02

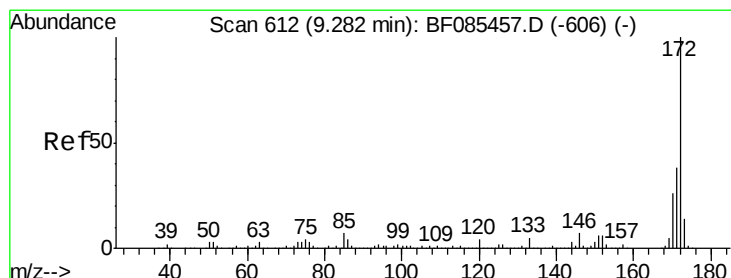
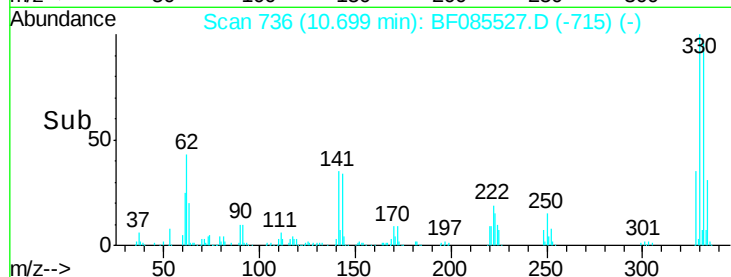
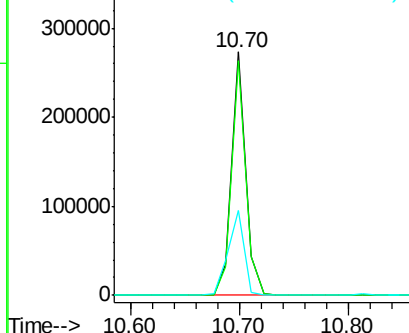
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	244524		
332	96.3	77.1	115.7	
141	40.1	35.0	52.6	

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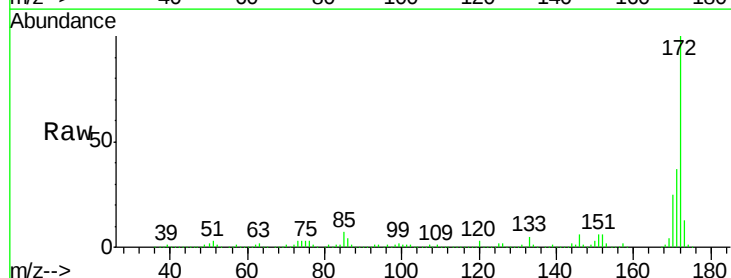


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

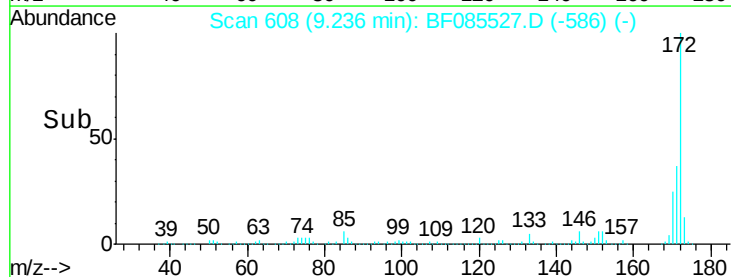
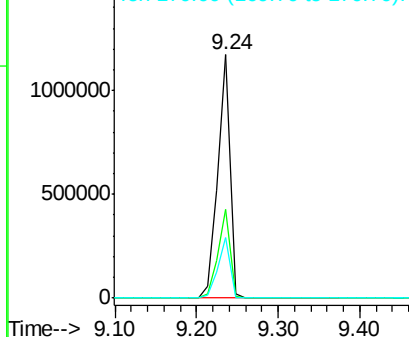


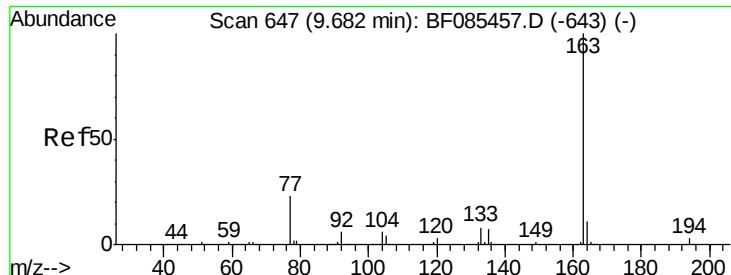
#44
 2-Fluorobiphenyl
 Concen: 75.25 ng
 RT: 9.24 min Scan# 608
 Delta R.T. -0.05 min
 Lab File: BF085527.D
 Acq: 18 Mar 2016 9:41

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1217343		
171	36.7	29.3	43.9	
170	25.0	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





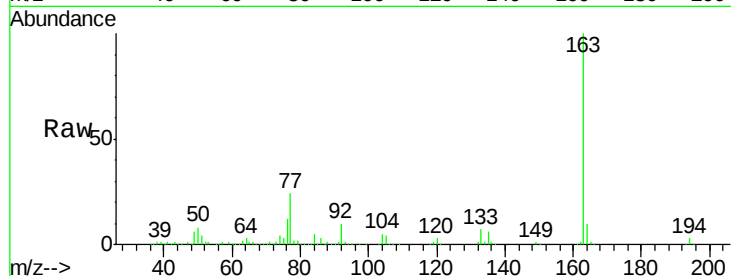
#49
Dimethylphthalate
Concen: 16.05 ng
RT: 9.62 min Scan# 642
Delta R.T. -0.06 min
Lab File: BF085527.D
Acq: 18 Mar 2016 9:41

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-02

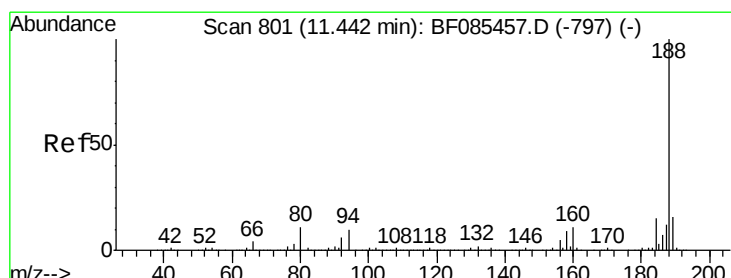
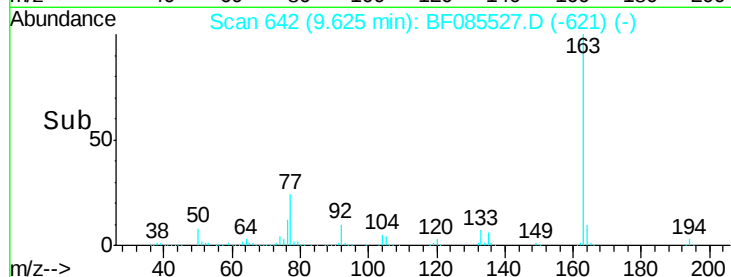
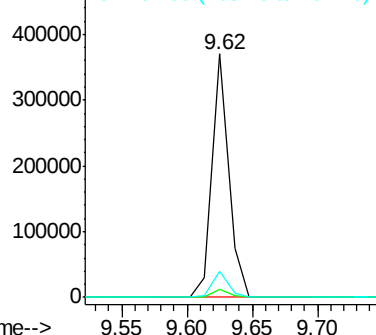
Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.3	3.1	4.7
164	10.4	8.2	12.4

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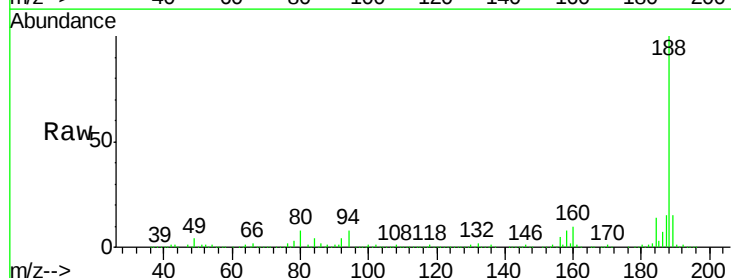


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

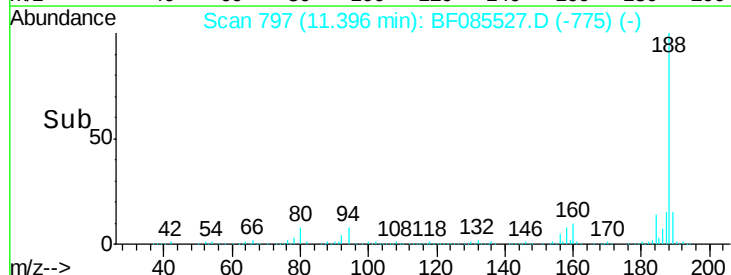
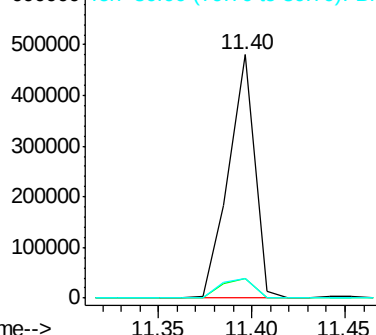


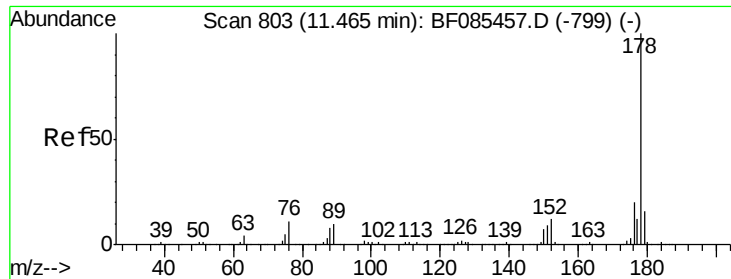
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.40 min Scan# 797
Delta R.T. -0.05 min
Lab File: BF085527.D
Acq: 18 Mar 2016 9:41

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	8.1	7.0	10.6
80	8.1	7.4	11.0



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





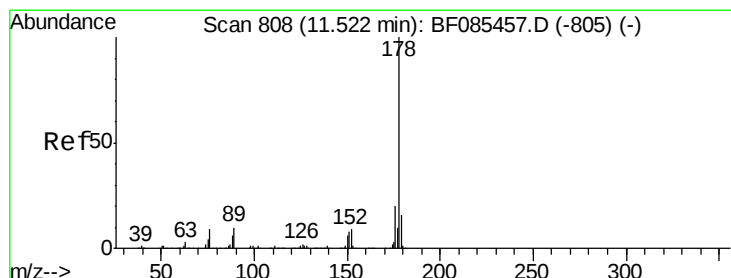
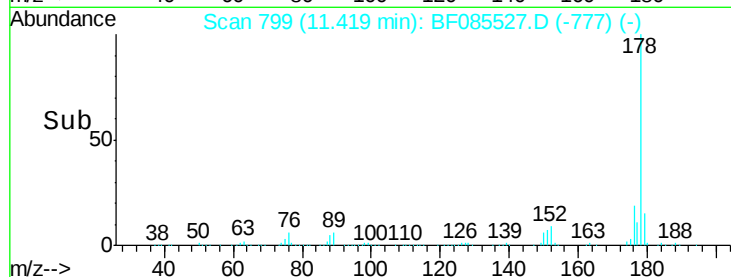
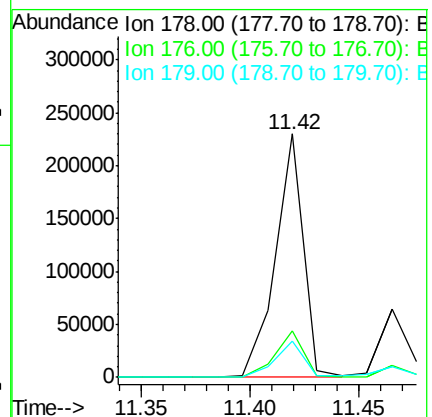
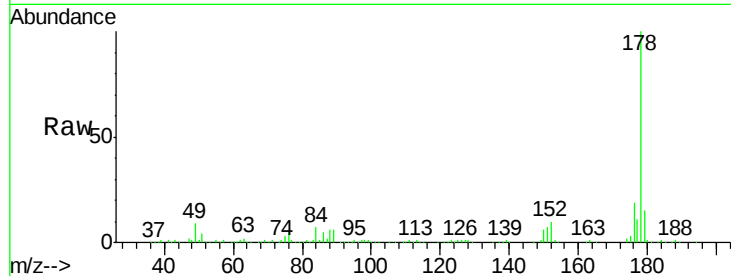
#70
Phenanthrene
Concen: 8.48 ng
RT: 11.42 min Scan# 799
Delta R.T. -0.05 min
Lab File: BF085527.D
Acq: 18 Mar 2016 9:41

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-02

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	16.8	25.2
179	14.8	13.1	19.7

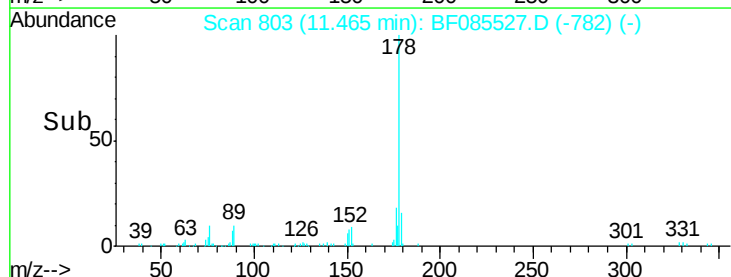
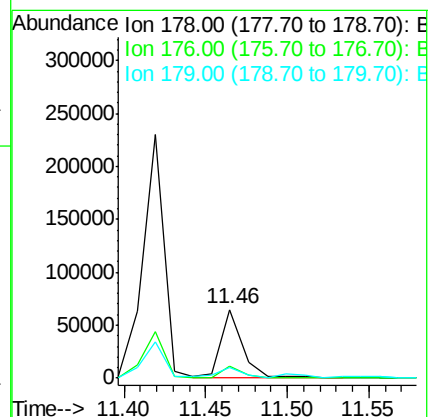
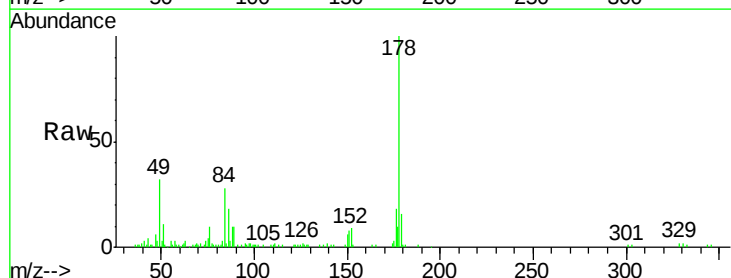
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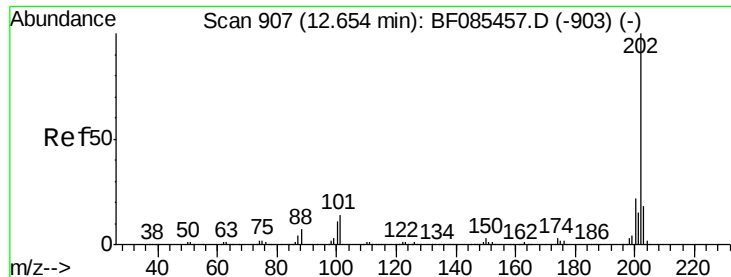
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#71
Anthracene
Concen: 2.35 ng
RT: 11.46 min Scan# 803
Delta R.T. -0.06 min
Lab File: BF085527.D
Acq: 18 Mar 2016 9:41

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.9	23.9
179	15.6	12.5	18.7





#74

Fluoranthene

Concen: 15.00 ng

RT: 12.61 min Scan# 903

Delta R.T. -0.05 min

Lab File: BF085527.D

Acq: 18 Mar 2016 9:41

Instrument :

BNA_F

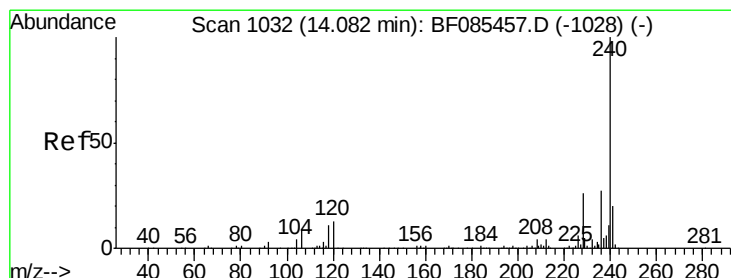
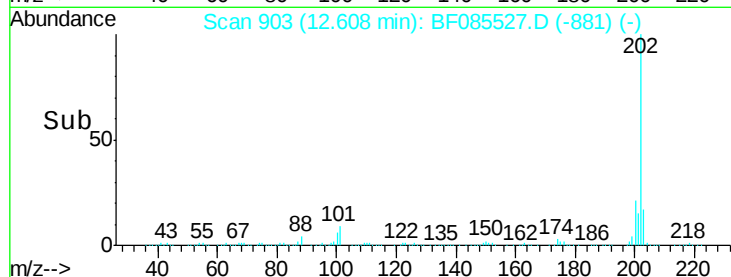
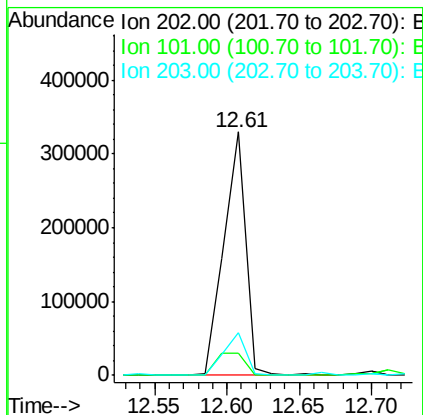
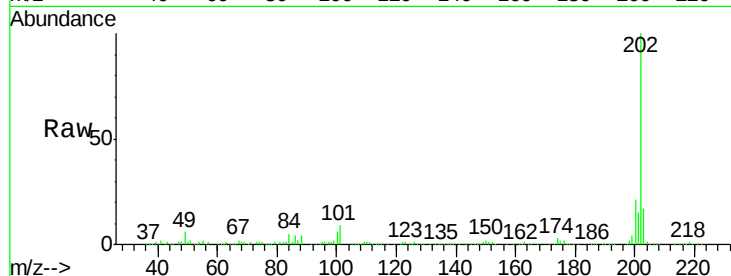
ClientSampleId :

W170TH-SB-02

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		344313		
101	9.0	0.0	31.8		
203	17.3	0.0	38.4		

Manual Integrations
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#75

Chrysene-d12

Concen: 20.00 ng

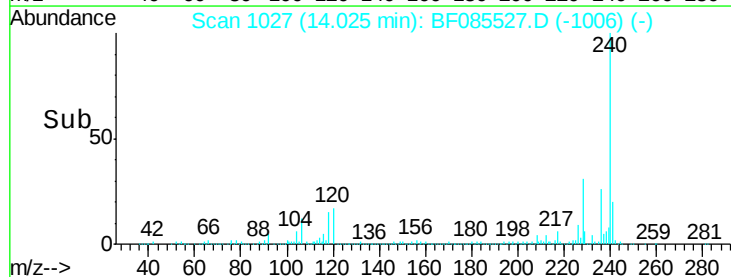
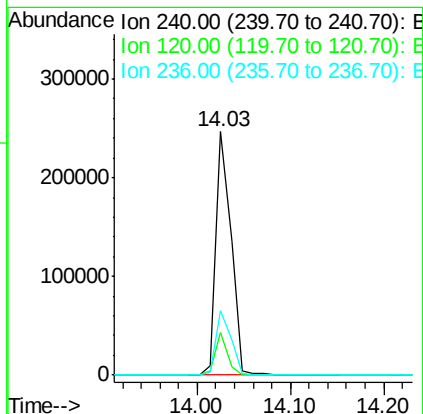
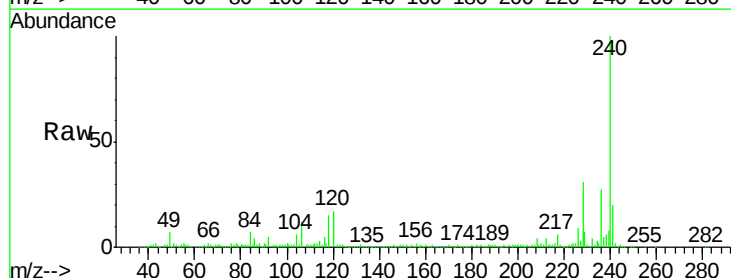
RT: 14.03 min Scan# 1027

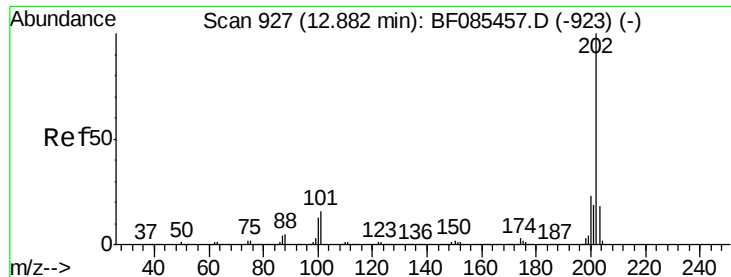
Delta R.T. -0.06 min

Lab File: BF085527.D

Acq: 18 Mar 2016 9:41

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		275918		
120	17.5	5.3	7.9#		
236	26.6	20.7	31.1		





#77

Pyrene

Concen: 14.61 ng

RT: 12.84 min Scan# 923

Delta R.T. -0.05 min

Lab File: BF085527.D

Acq: 18 Mar 2016 9:41

Instrument :

BNA_F

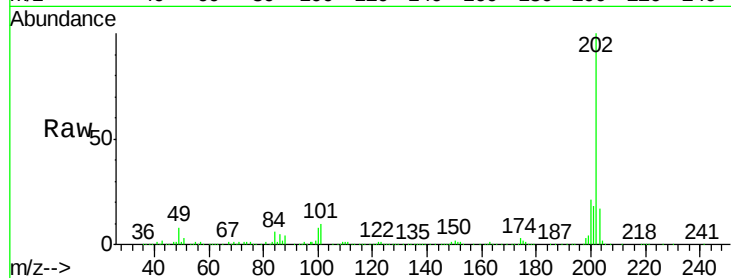
ClientSampleId :

W170TH-SB-02

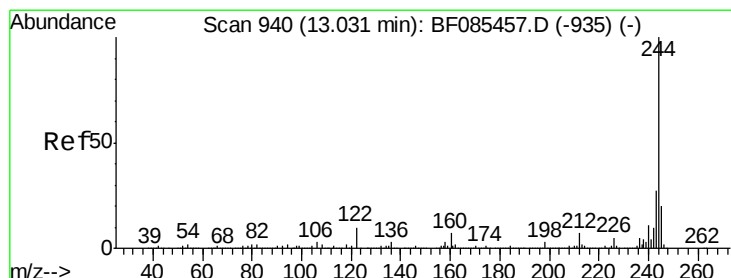
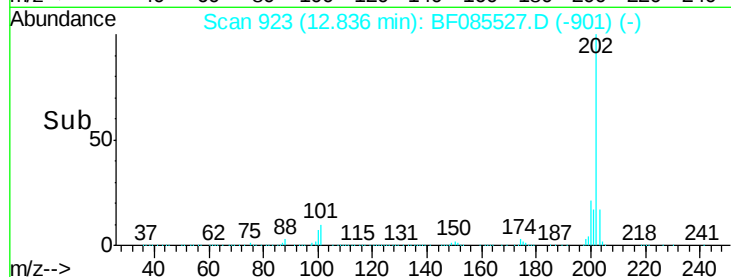
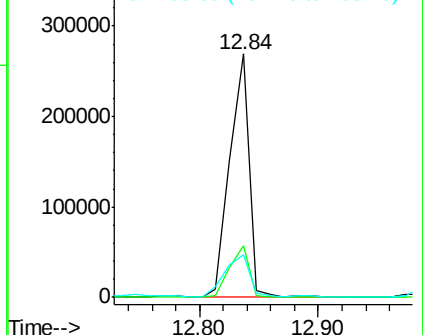
Tgt Ion:	202	Resp:	302396
Ion Ratio	Lower	Upper	
202	100		
200	21.0	18.2	27.4
203	17.3	14.7	22.1

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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: 57.78 ng

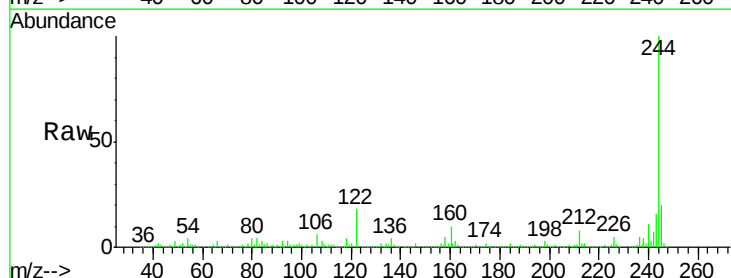
RT: 12.97 min Scan# 935

Delta R.T. -0.06 min

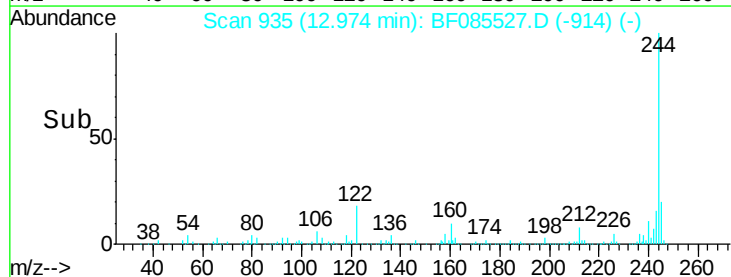
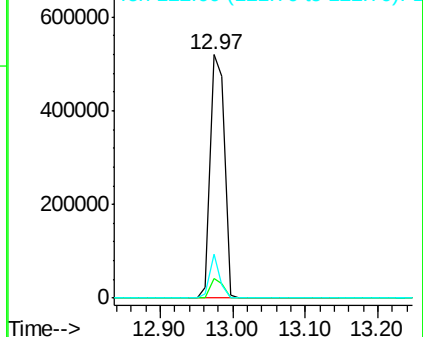
Lab File: BF085527.D

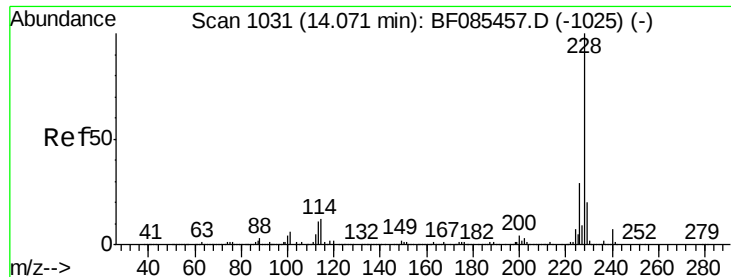
Acq: 18 Mar 2016 9:41

Tgt Ion:	244	Resp:	704711
Ion Ratio	Lower	Upper	
244	100		
212	7.9	6.4	9.6
122	17.9	11.4	17.2#



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





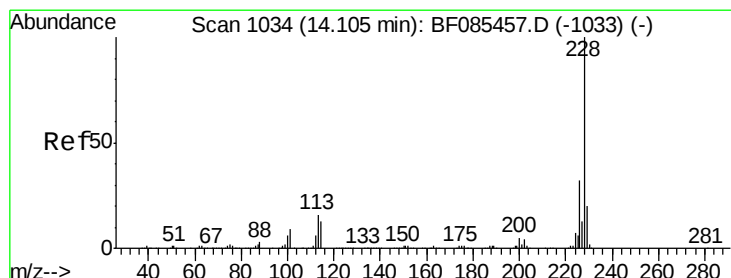
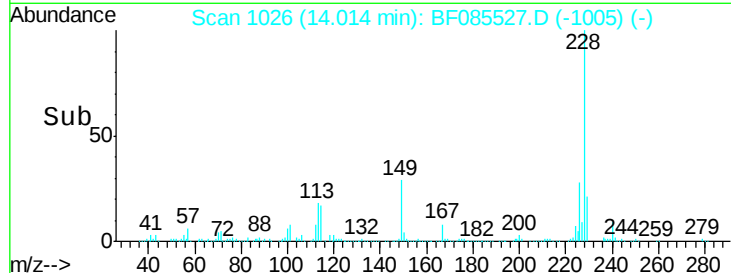
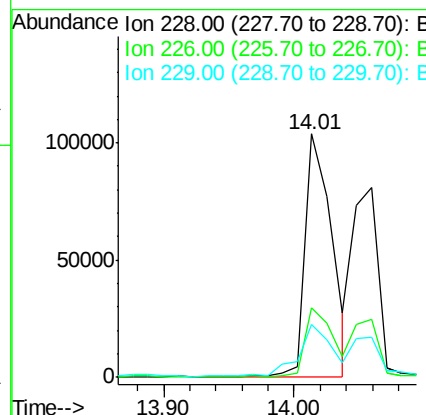
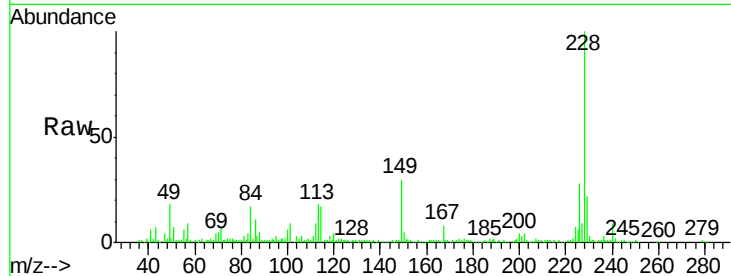
#80
Benzo(a)anthracene
Concen: 9.44 ng
RT: 14.01 min Scan# 1026
Delta R.T. -0.06 min
Lab File: BF085527.D
Acq: 18 Mar 2016 9:41

Instrument :
BNA_F
ClientSampled :
W170TH-SB-02

Tgt	Ion	Ratio	Resp	Lower	Upper
228	100		149397		
226	28.5		22.8	34.2	
229	21.6		16.6	24.8	

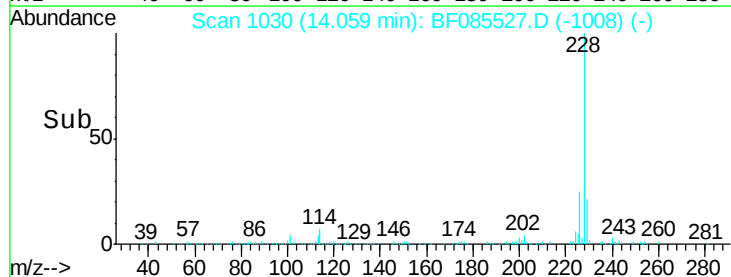
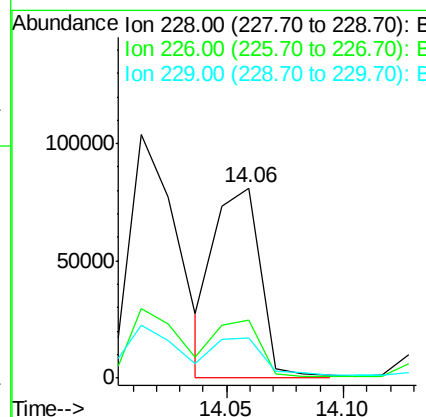
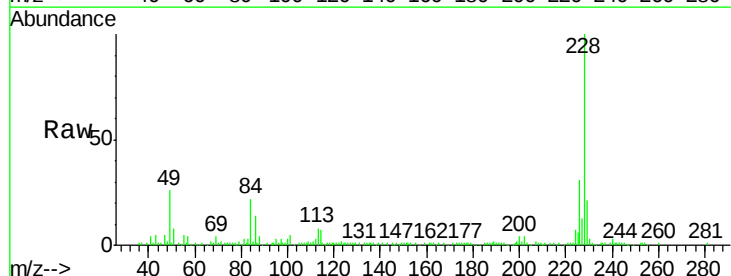
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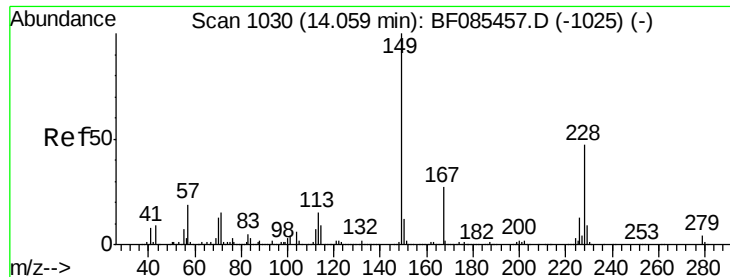
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#82
Chrysene
Concen: 7.81 ng m
RT: 14.06 min Scan# 1030
Delta R.T. -0.05 min
Lab File: BF085527.D
Acq: 18 Mar 2016 9:41

Tgt	Ion	Ratio	Resp	Lower	Upper
228	100		111115		
226	30.7		25.2	37.8	
229	21.0		16.0	24.0	





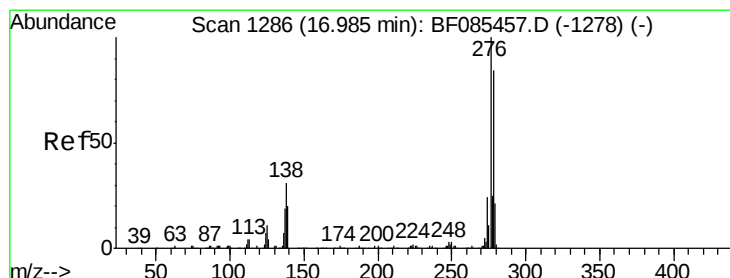
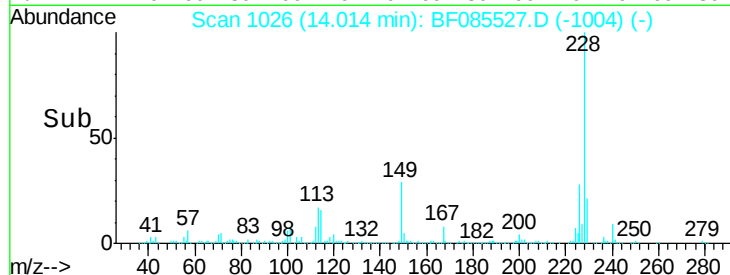
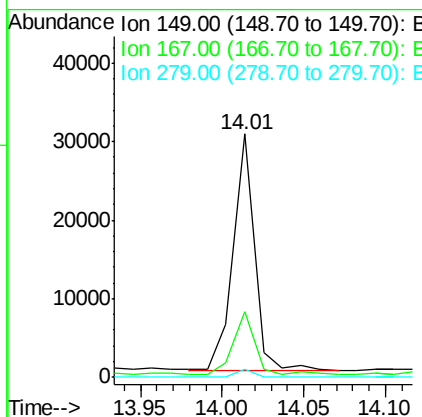
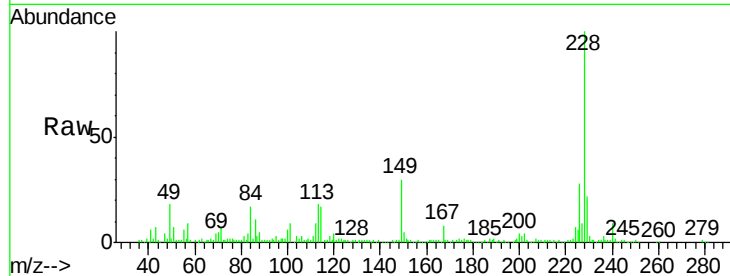
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.47 ng
 RT: 14.01 min Scan# 1026
 Delta R.T. -0.05 min
 Lab File: BF085527.D
 Acq: 18 Mar 2016 9:41

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-02

Tgt Ion	Ratio	Resp Lower	Resp Upper
149	100		
167	27.1	20.3	30.5
279	3.5	1.9	2.9

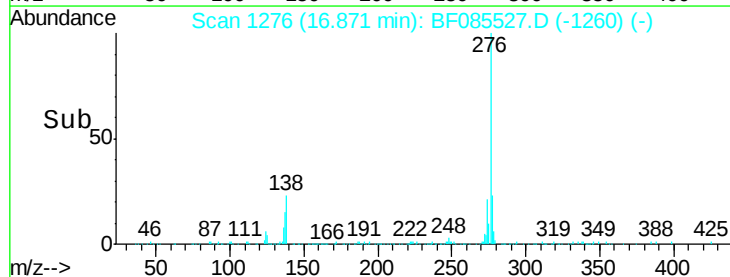
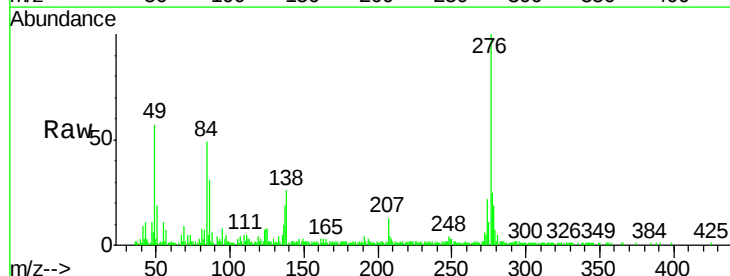
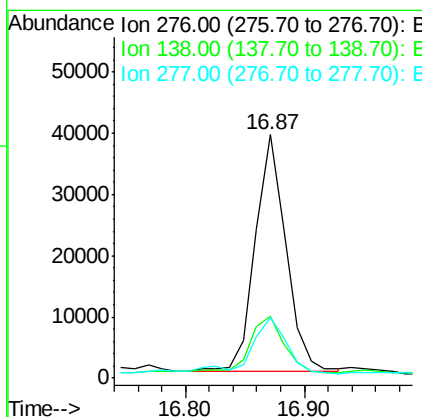
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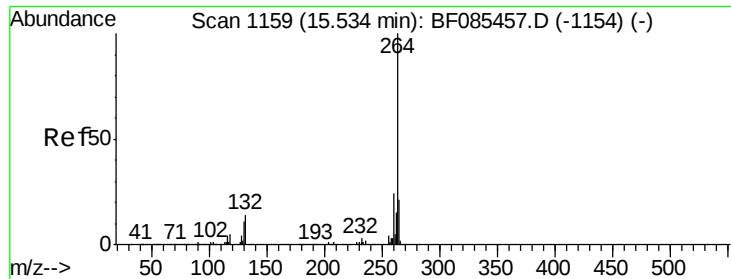
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#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.21 ng
 RT: 16.87 min Scan# 1276
 Delta R.T. -0.11 min
 Lab File: BF085527.D
 Acq: 18 Mar 2016 9:41

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	27.8	26.4	39.6
277	29.4	20.2	30.2





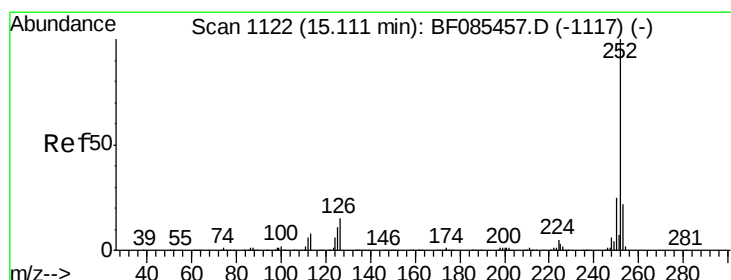
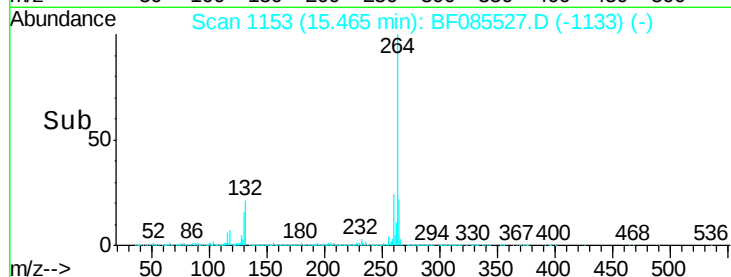
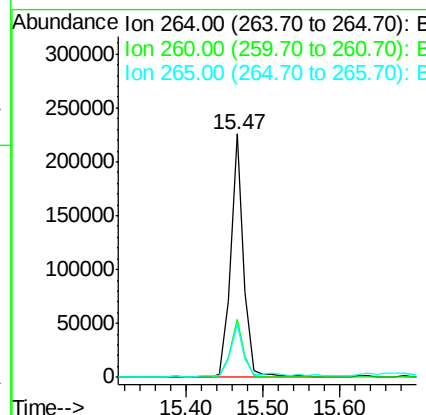
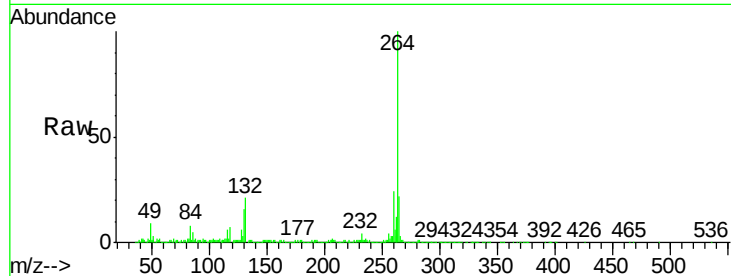
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.47 min Scan# 1153
Delta R.T. -0.07 min
Lab File: BF085527.D
Acq: 18 Mar 2016 9:41

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-02

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.9	17.3	25.9

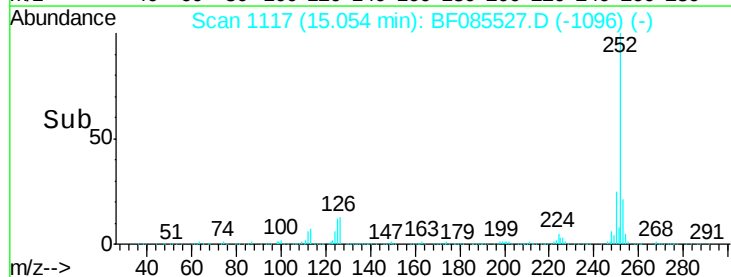
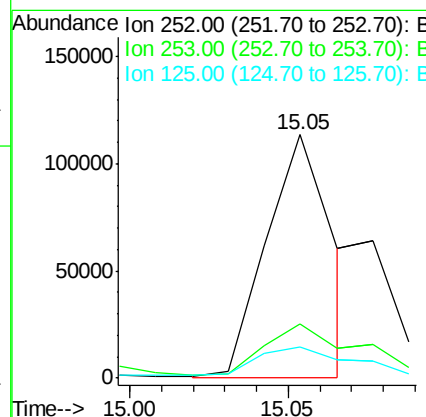
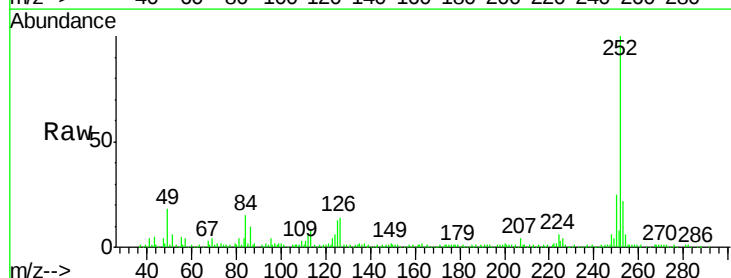
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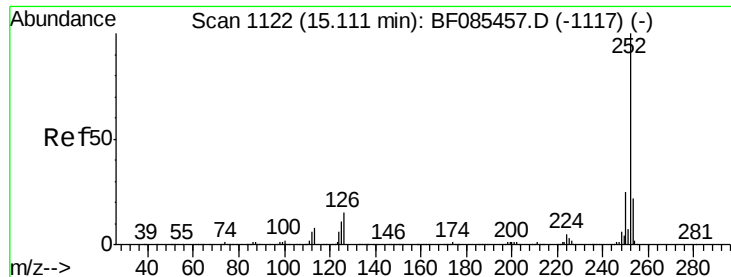
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#87
Benzo(b)fluoranthene
Concen: 9.32 ng m
RT: 15.05 min Scan# 1117
Delta R.T. -0.06 min
Lab File: BF085527.D
Acq: 18 Mar 2016 9:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.6
125	12.8	11.3	16.9





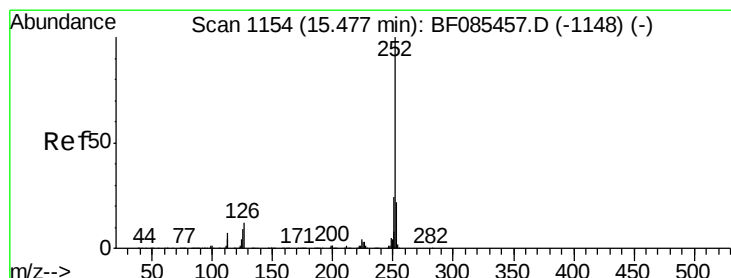
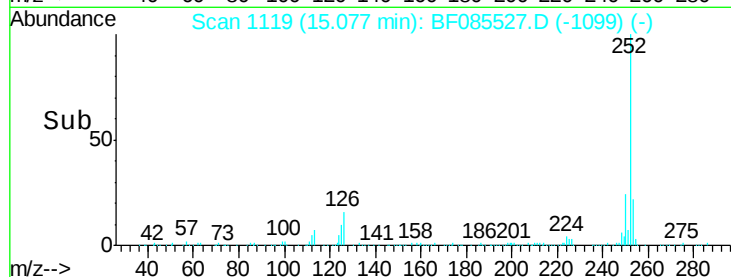
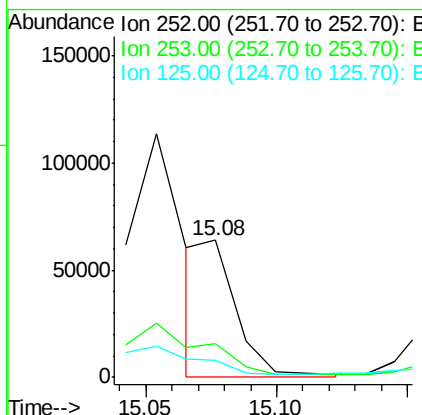
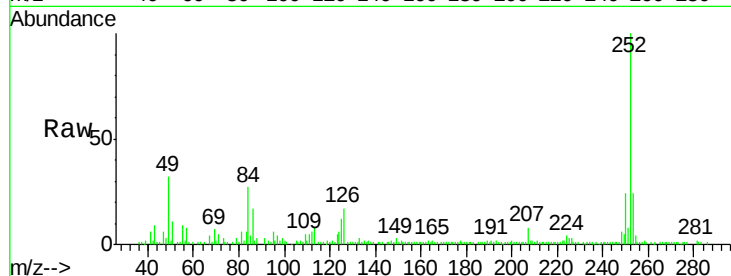
#88
Benzo(k)fluoranthene
Concen: 4.32 ng m
RT: 15.08 min Scan# 1119
Delta R.T. -0.07 min
Lab File: BF085527.D
Acq: 18 Mar 2016 9:41

Instrument :
BNA_F
ClientSampleId :
W170TH-SB-02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.8	26.6
125	12.0	10.4	15.6

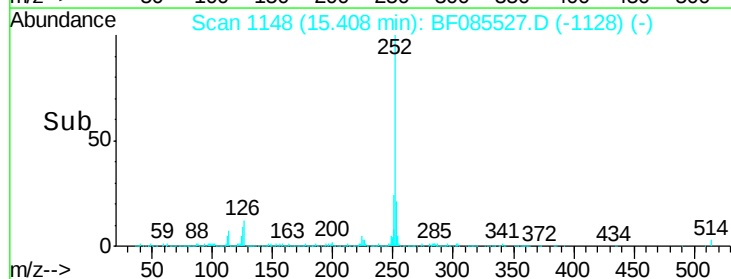
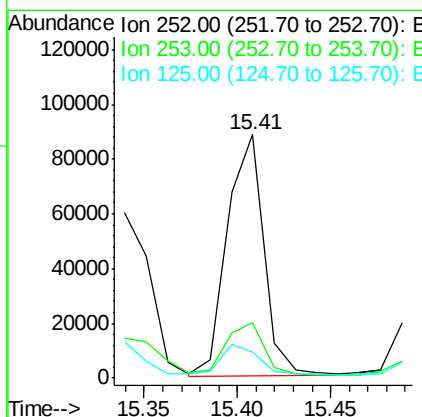
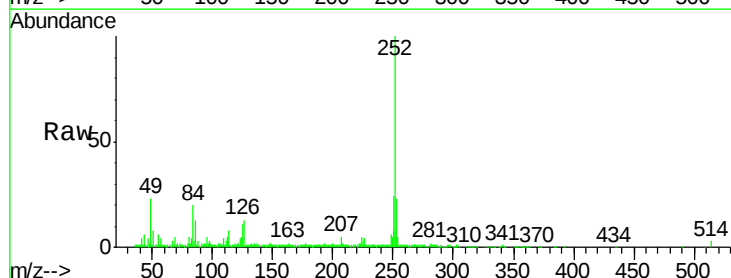
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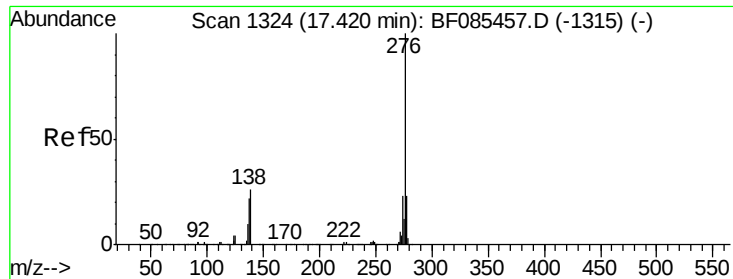
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#89
Benzo(a)pyrene
Concen: 7.98 ng
RT: 15.41 min Scan# 1148
Delta R.T. -0.07 min
Lab File: BF085527.D
Acq: 18 Mar 2016 9:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.4	26.0
125	10.7	8.2	12.4





#91
 Benzo(g,h,i)perylene
 Concen: 4.59 ng
 RT: 17.29 min Scan# 1313
 Delta R.T. -0.13 min
 Lab File: BF085527.D
 Acq: 18 Mar 2016 9:41

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-02

Tgt Ion:	276	Resp:	69580
Ion Ratio		Lower	Upper
276	100		
277	26.2	19.0	28.4
138	29.2	22.5	33.7

Manual Integrations
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