

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
 Data File : BF086944.D
 Acq On : 12 May 2016 21:51
 Operator : UM/SJ
 Sample : H2968-09
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-02

Manual Integrations
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Quant Time: May 13 01:56:57 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 13 00:58:18 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.62	152	159145	20.00	ng	-0.01
21) Naphthalene-d8	7.91	136	681911	20.00	ng	-0.01
38) Acenaphthene-d10	9.66	164	310271	20.00	ng	-0.01
63) Phenanthrene-d10	11.13	188	504565	20.00	ng	-0.01
75) Chrysene-d12	13.76	240	362479	20.00	ng	-0.01
86) Perylene-d12	15.12	264	369417	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.21	112	404071	43.00	ng	0.00
7) Phenol-d6	6.28	99	628543	50.05	ng	-0.01
23) Nitrobenzene-d5	7.19	82	397510	29.27	ng	-0.02
41) 2,4,6-Tribromophenol	10.44	330	167312	50.94	ng	-0.01
44) 2-Fluorobiphenyl	8.99	172	700958	37.97	ng	0.00
78) Terphenyl-d14	12.72	244	674565	39.48	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.39	163	77017	3.25	ng	99
70) Phenanthrene	11.15	178	188201	6.99	ng	99
74) Fluoranthene	12.34	202	411683	14.86	ng	91
77) Pyrene	12.56	202	332310	11.97	ng	98
80) Benzo(a)anthracene	13.75	228	158930	7.81	ng	97
82) Chrysene	13.78	228	214601	10.37	ng	97
85) Indeno(1,2,3-cd)pyrene	16.37	276	132227	7.68	ng	# 91
87) Benzo(b)fluoranthene	14.75	252	304426m	12.68	ng	
88) Benzo(k)fluoranthene	14.78	252	100624m	5.12	ng	
89) Benzo(a)pyrene	15.06	252	194545	9.39	ng	96
90) Dibenzo(a,h)anthracene	16.38	278	36607	2.10	ng	94
91) Benzo(g,h,i)perylene	16.74	276	121430	6.85	ng	# 93

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

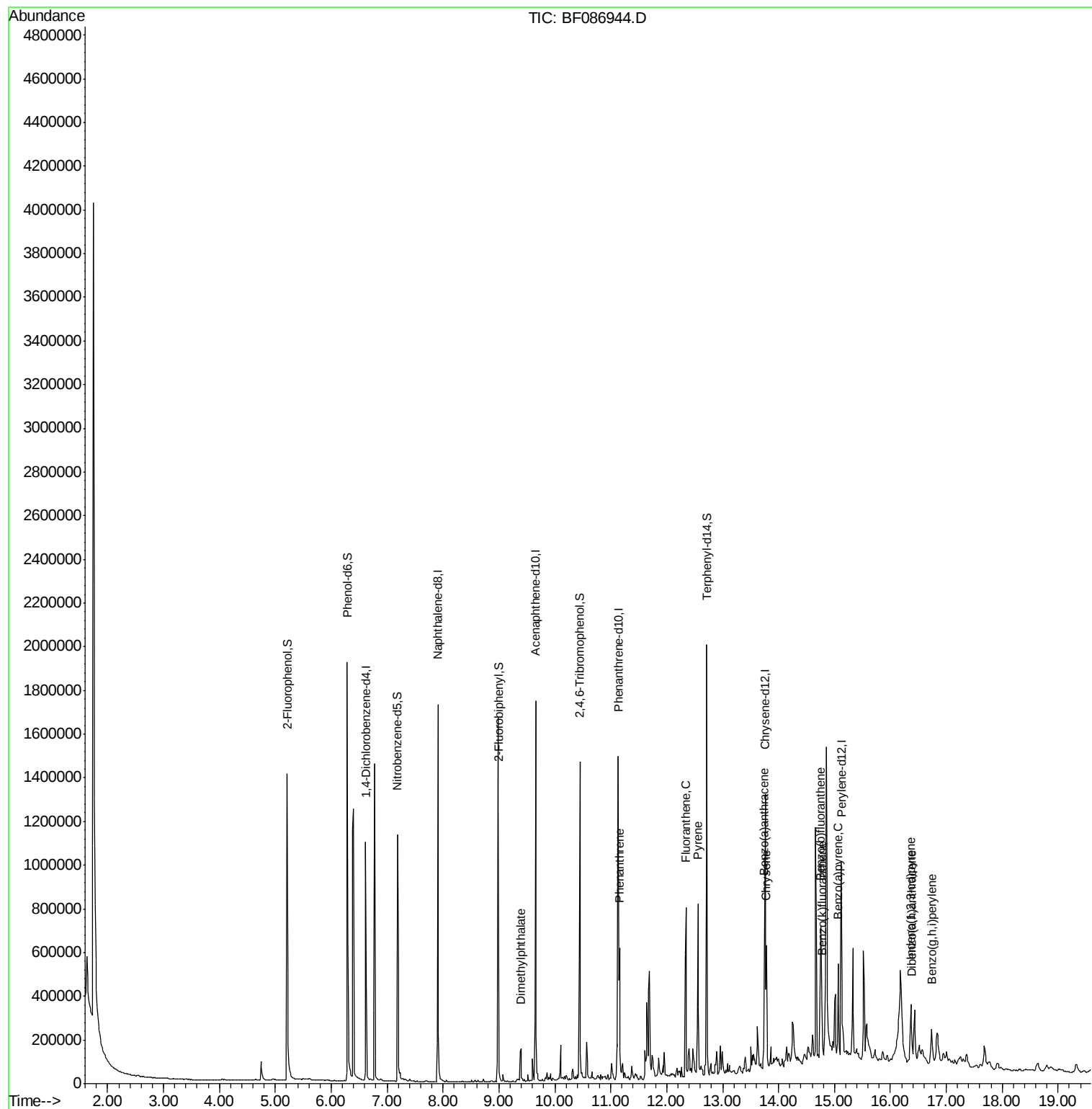
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051216\
Data File : BF086944.D
Acq On : 12 May 2016 21:51
Operator : UM/SJ
Sample : H2968-09
Misc :
ALS Vial : 18 Sample Multiplier: 1

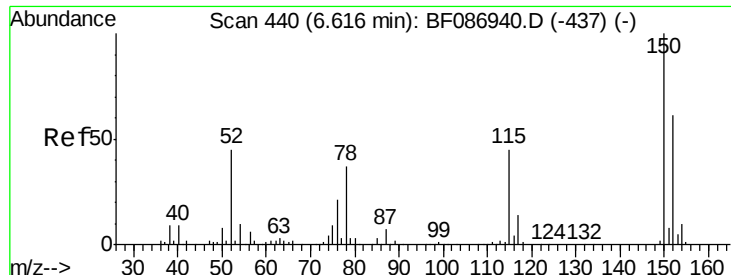
Instrument :
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SS-02

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Quant Time: May 13 01:56:57 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri May 13 00:58:18 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.62 min Scan# 440

Delta R.T. -0.01 min

Lab File: BF086944.D

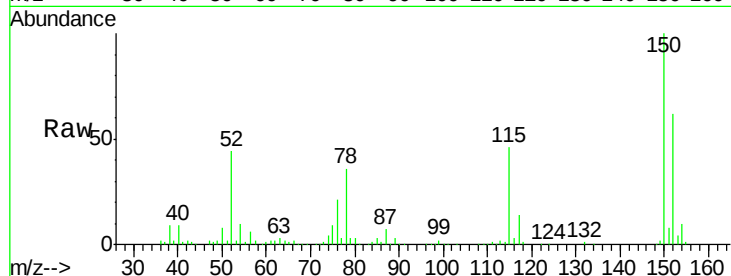
Acq: 12 May 2016 21:51

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion:152 Resp: 159145

Ion Ratio Lower Upper

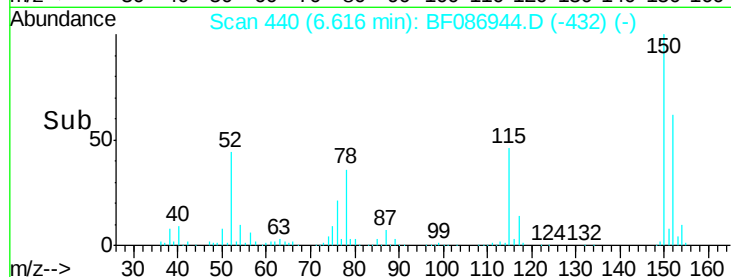
152 100

150 161.7 125.8 188.6

115 74.5 51.5 77.3

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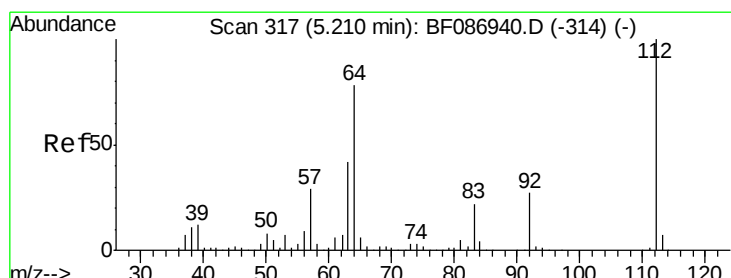
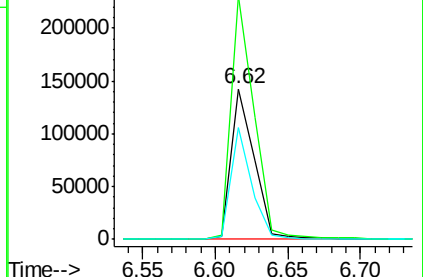
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 43.00 ng

RT: 5.21 min Scan# 317

Delta R.T. 0.00 min

Lab File: BF086944.D

Acq: 12 May 2016 21:51

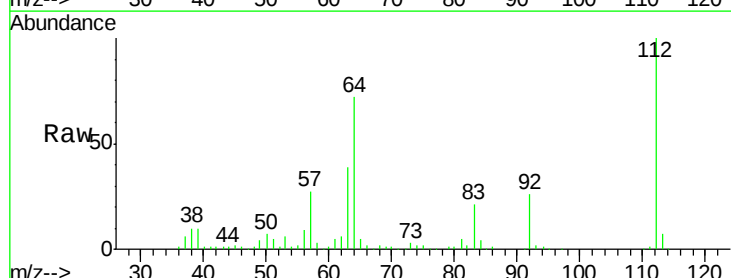
Tgt Ion:112 Resp: 404071

Ion Ratio Lower Upper

112 100

64 72.4 52.1 78.1

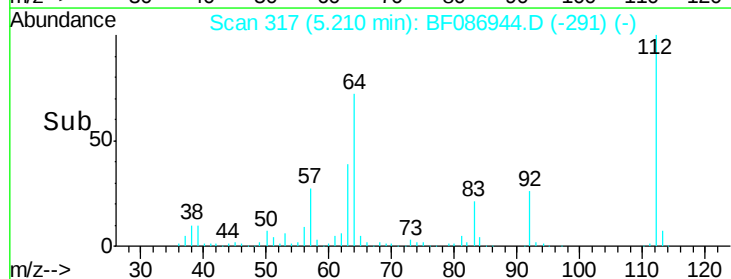
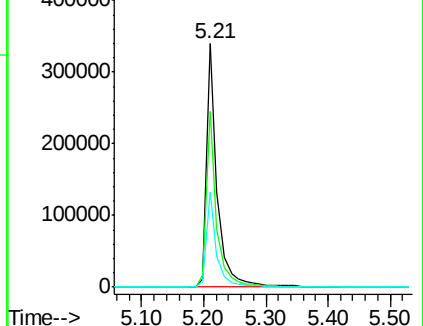
63 38.9 25.7 38.5#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 50.05 ng

RT: 6.28 min Scan# 411

Delta R.T. -0.01 min

Lab File: BF086944.D

Acq: 12 May 2016 21:51

Instrument :

BNA_F

ClientSampled :

SS-02

Tgt Ion: 99 Resp: 628543
Ion Ratio Lower Upper

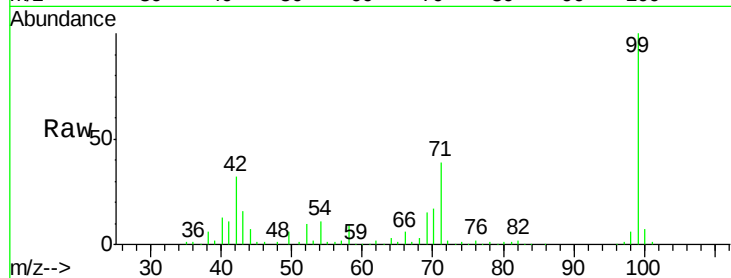
99 100

42 32.1 13.6 20.4#

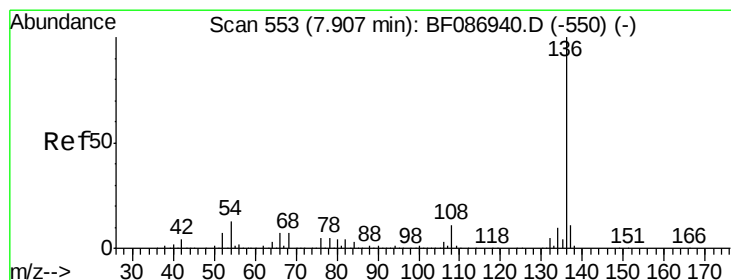
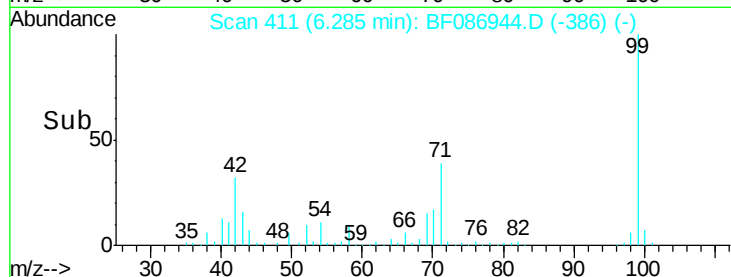
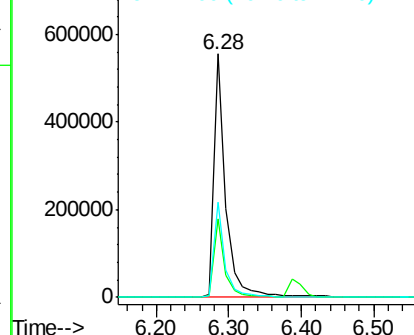
71 39.0 24.6 36.8#

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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: 7.91 min Scan# 553

Delta R.T. -0.01 min

Lab File: BF086944.D

Acq: 12 May 2016 21:51

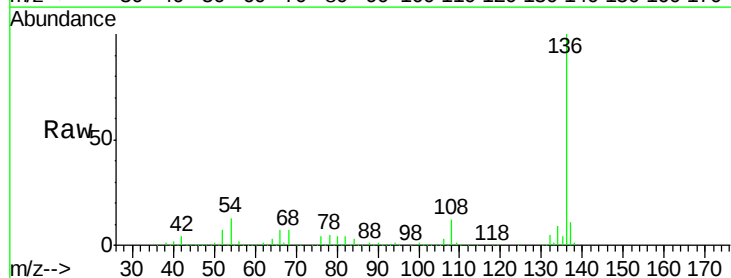
Tgt Ion: 136 Resp: 681911
Ion Ratio Lower Upper

136 100

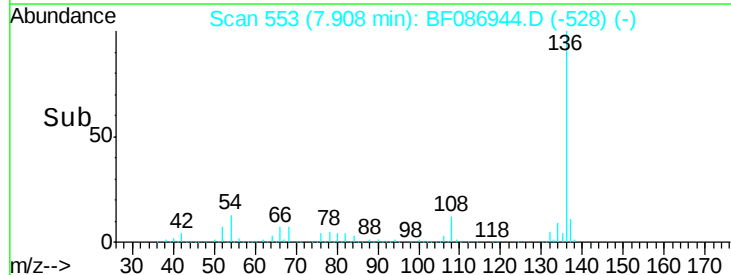
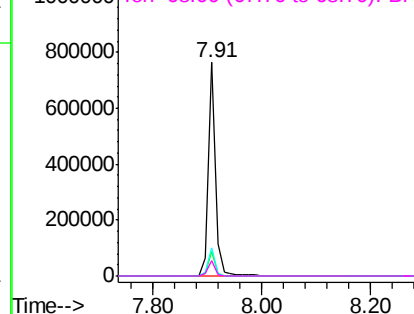
137 11.3 8.8 13.2

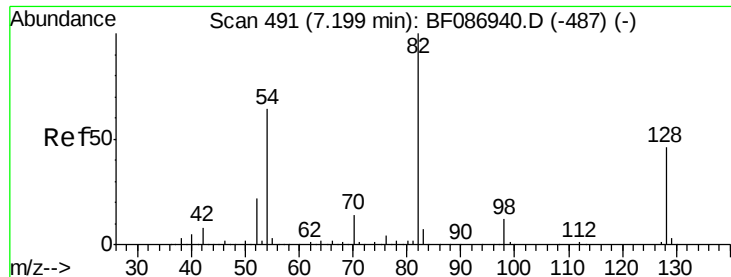
54 13.1 5.0 7.4#

68 6.9 4.4 6.6#



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





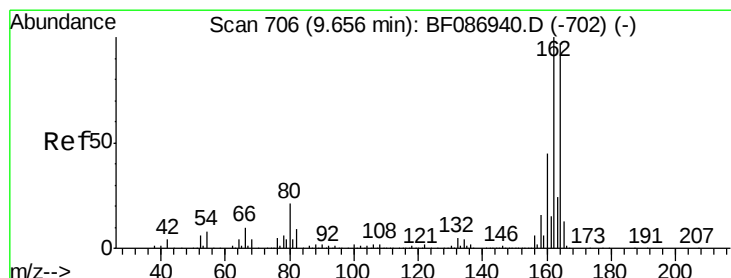
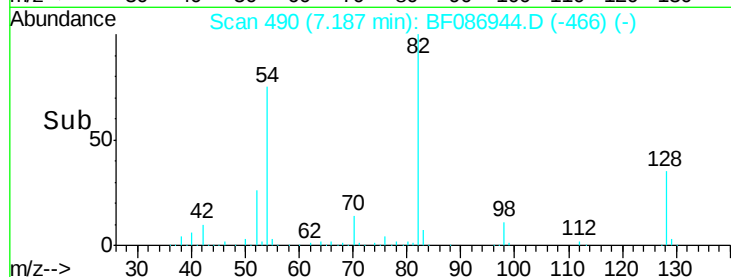
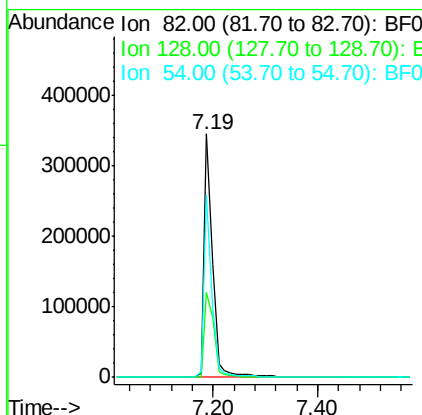
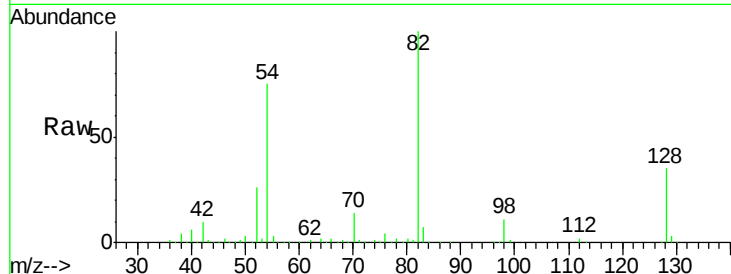
#23
Nitrobenzene-d5
Concen: 29.27 ng
RT: 7.19 min Scan# 490
Delta R.T. -0.02 min
Lab File: BF086944.D
Acq: 12 May 2016 21:51

Instrument :
BNA_F
ClientSampleId :
SS-02

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	35.0	40.6	61.0#
54	75.0	38.1	57.1#

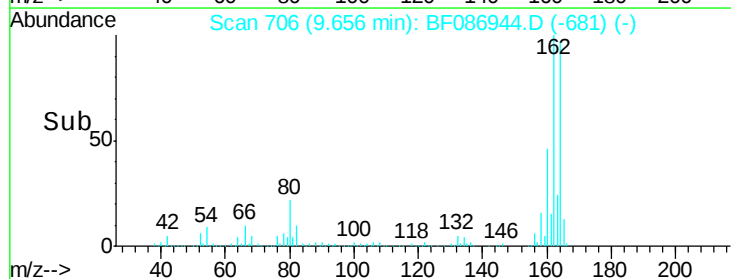
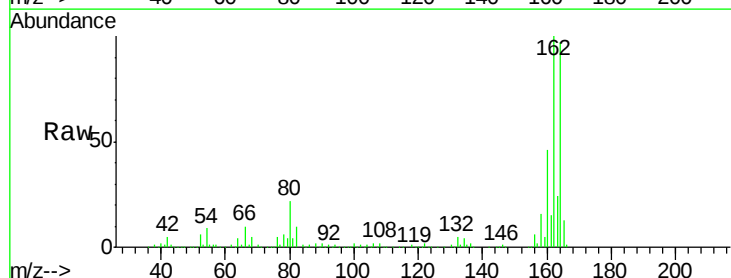
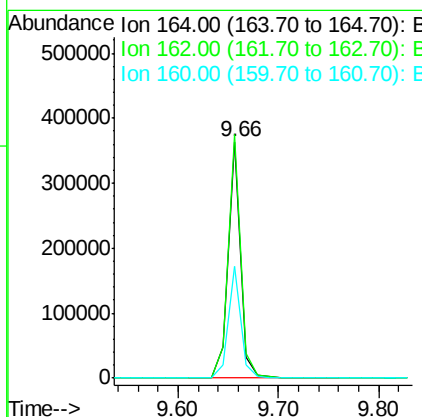
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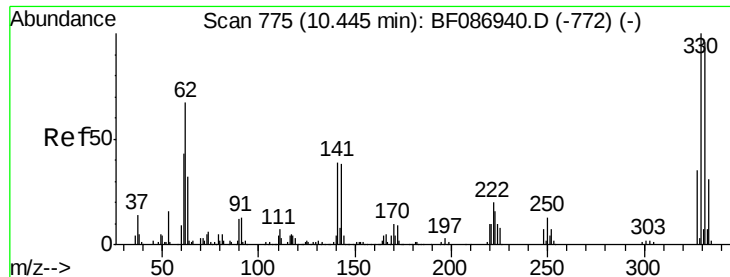
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.66 min Scan# 706
Delta R.T. -0.01 min
Lab File: BF086944.D
Acq: 12 May 2016 21:51

Tgt Ion	Ratio	Resp Lower	Upper
164	100		
162	103.1	82.8	124.2
160	47.2	36.9	55.3





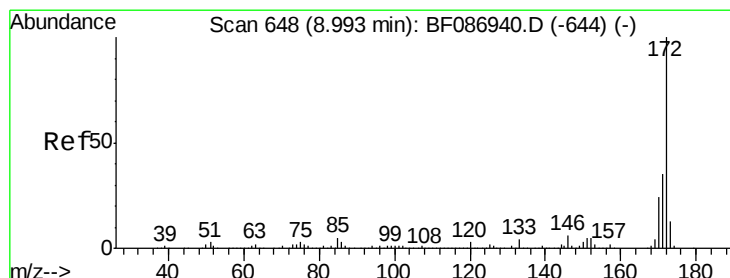
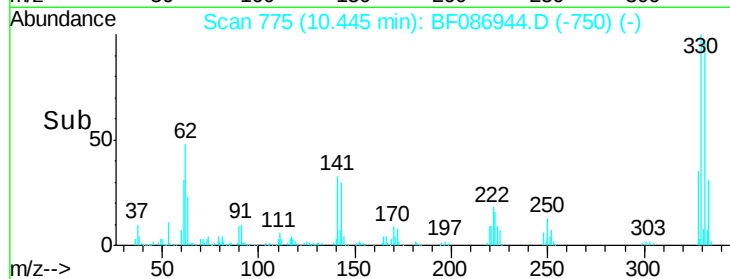
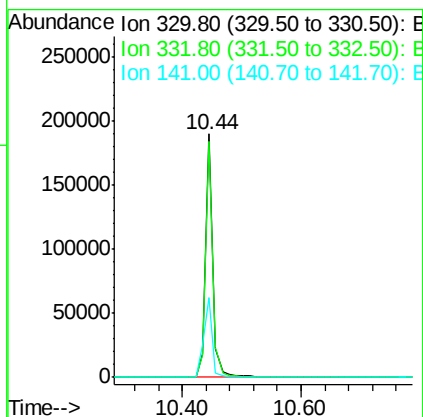
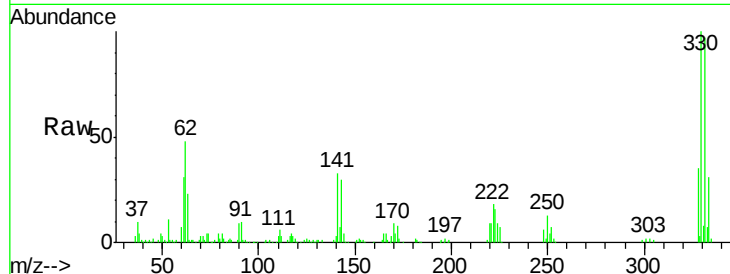
#41
 2,4,6-Tribromophenol
 Concen: 50.94 ng
 RT: 10.44 min Scan# 775
 Delta R.T. -0.01 min
 Lab File: BF086944.D
 Acq: 12 May 2016 21:51

Instrument :
 BNA_F
 ClientSampled :
 SS-02

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	167312		
332	97.1	79.0	118.4	
141	39.2	31.2	46.8	

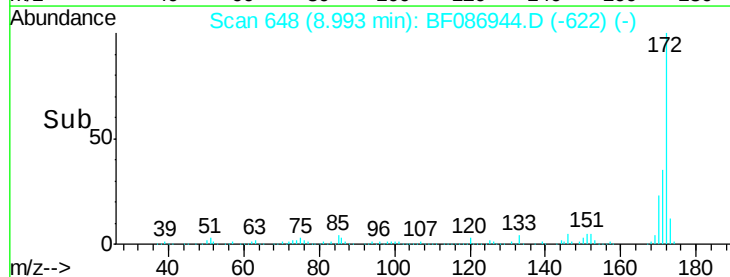
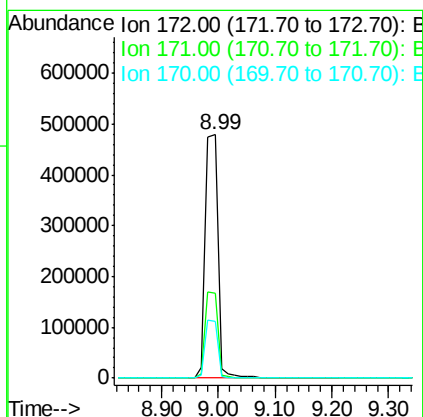
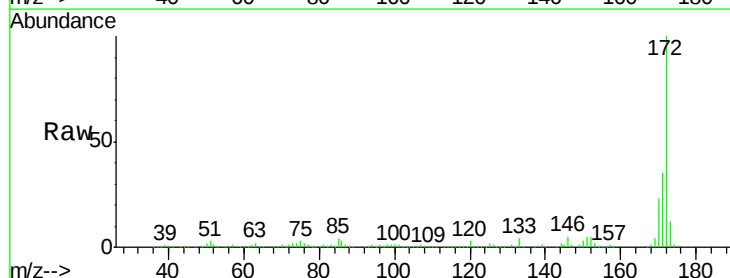
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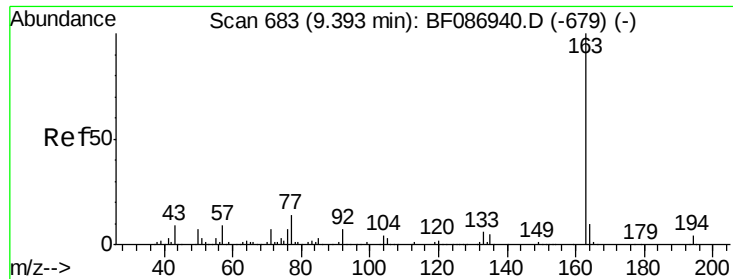
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#44
 2-Fluorobiphenyl
 Concen: 37.97 ng
 RT: 8.99 min Scan# 648
 Delta R.T. 0.00 min
 Lab File: BF086944.D
 Acq: 12 May 2016 21:51

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	700958		
171	34.8	29.0	43.6	
170	23.2	19.8	29.8	





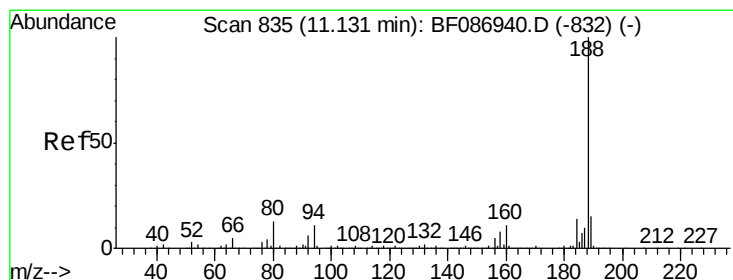
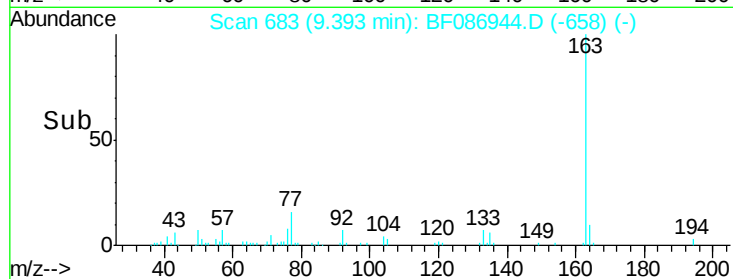
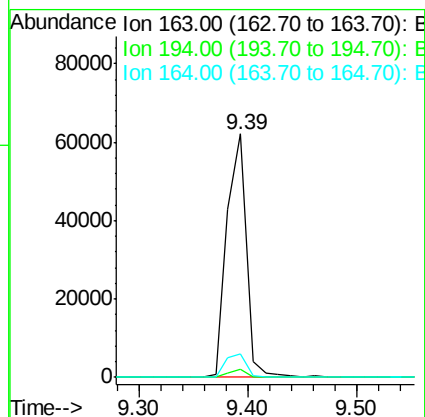
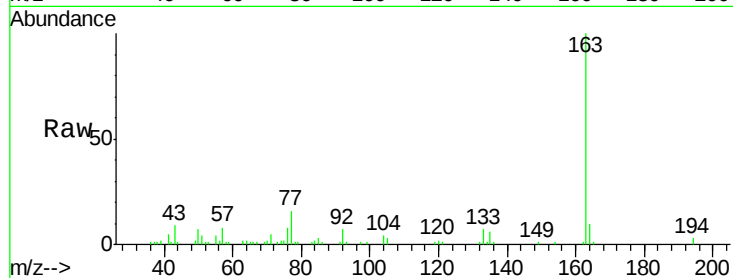
#49
Dimethylphthalate
Concen: 3.25 ng
RT: 9.39 min Scan# 683
Delta R.T. -0.01 min
Lab File: BF086944.D
Acq: 12 May 2016 21:51

Instrument :
BNA_F
ClientSampleId :
SS-02

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	77017		
194	3.4		2.6	4.0
164	9.9		8.2	12.4

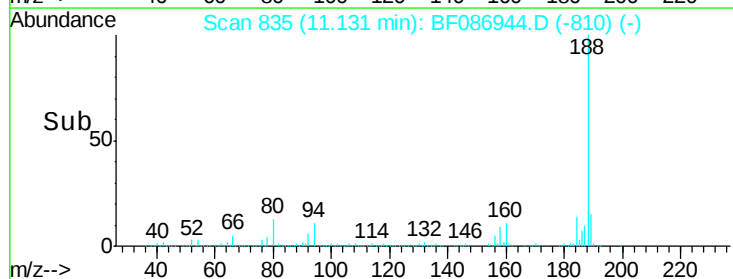
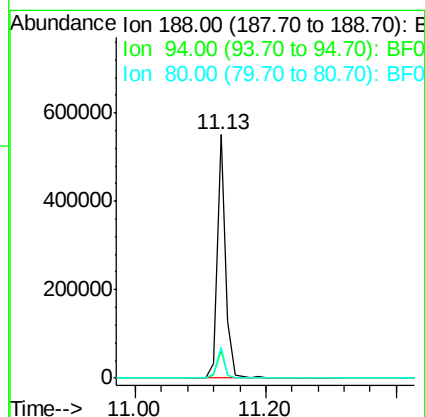
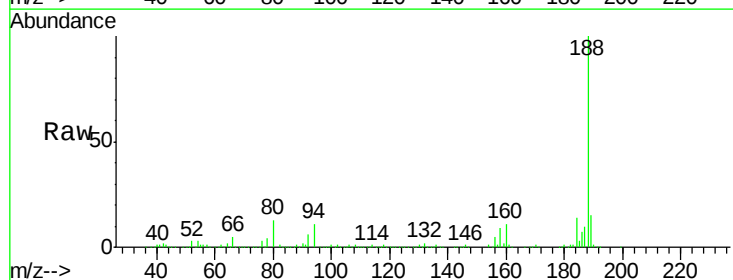
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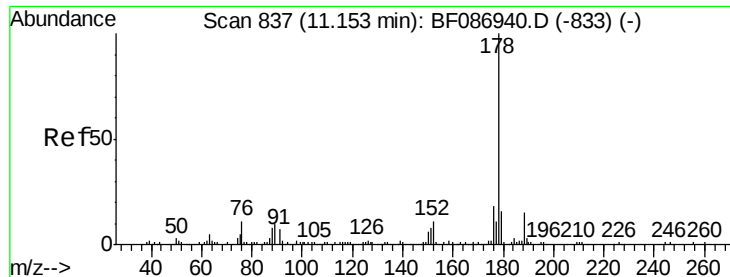
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.13 min Scan# 835
Delta R.T. -0.01 min
Lab File: BF086944.D
Acq: 12 May 2016 21:51

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	504565		
94	11.4		6.8	10.2#
80	12.5		7.1	10.7#





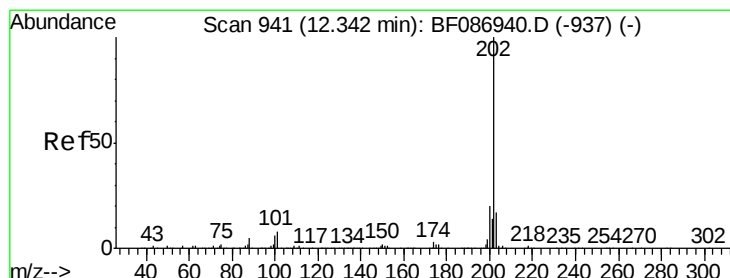
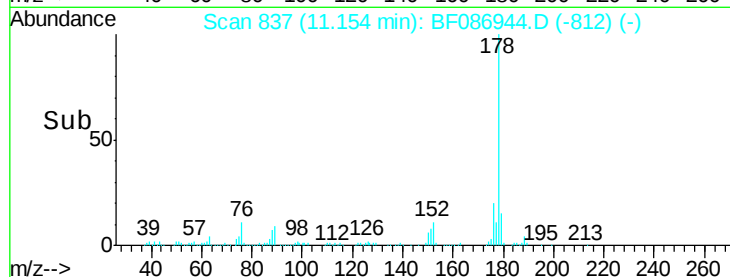
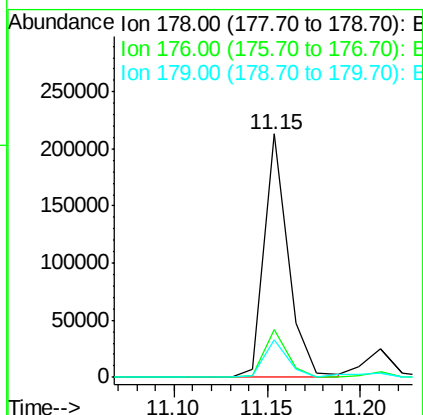
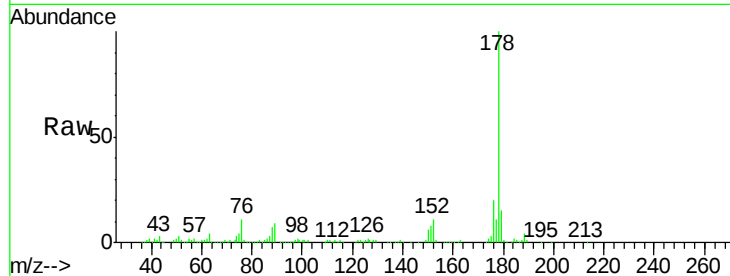
#70
Phenanthrene
Concen: 6.99 ng
RT: 11.15 min Scan# 837
Delta R.T. -0.01 min
Lab File: BF086944.D
Acq: 12 May 2016 21:51

Instrument :
BNA_F
ClientSampleId :
SS-02

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.6	16.0	24.0
179	15.5	12.6	18.8

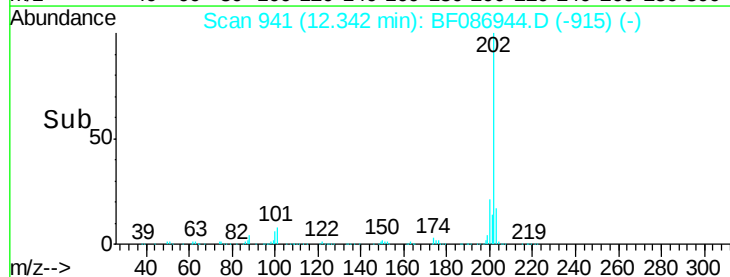
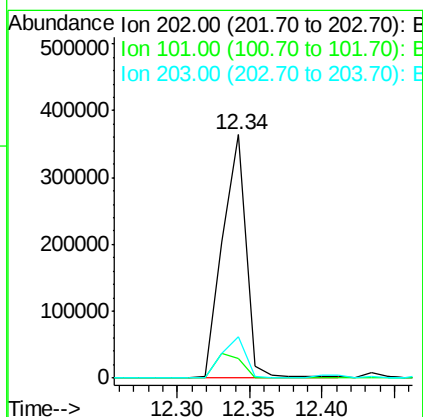
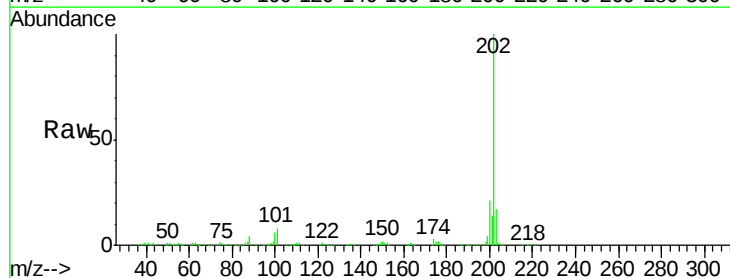
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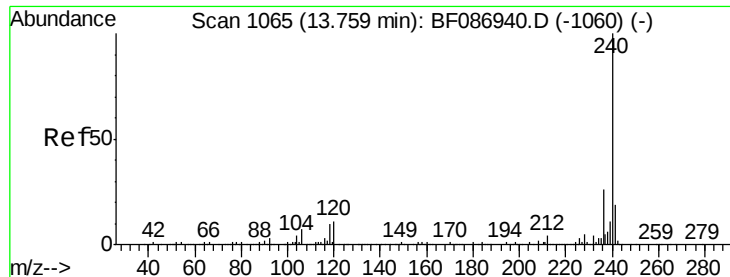
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#74
Fluoranthene
Concen: 14.86 ng
RT: 12.34 min Scan# 941
Delta R.T. 0.00 min
Lab File: BF086944.D
Acq: 12 May 2016 21:51

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	8.2	0.0	35.4
203	17.0	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.76 min Scan# 1065

Delta R.T. -0.01 min

Lab File: BF086944.D

Acq: 12 May 2016 21:51

Instrument :

BNA_F

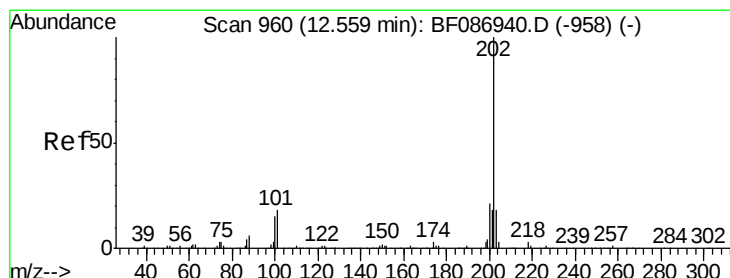
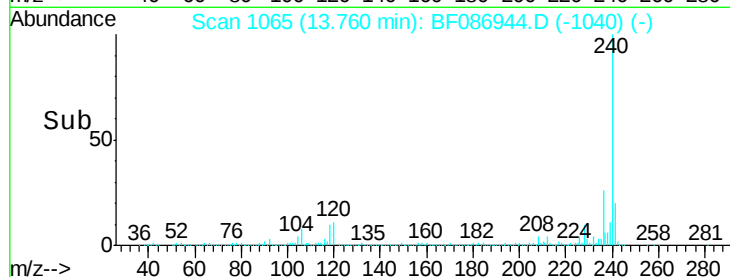
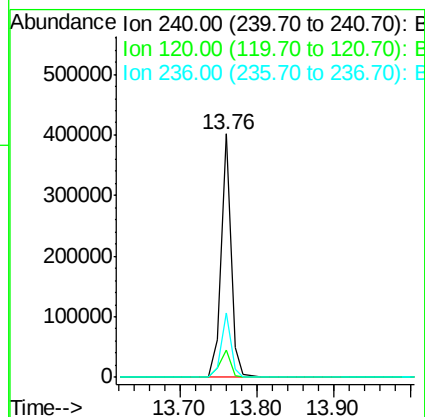
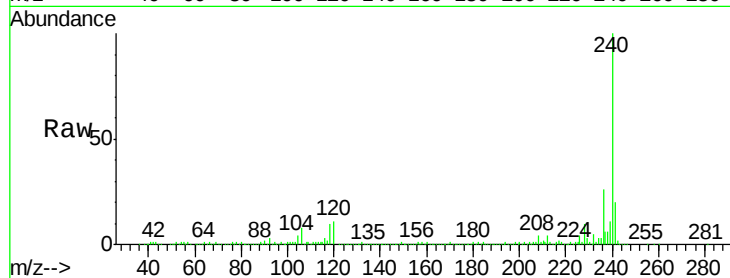
ClientSampled :

SS-02

Tgt Ion:	240	Resp:	362479
Ion Ratio	Lower	Upper	
240	100		
120	11.4	11.2	16.8
236	26.4	21.2	31.8

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#77

Pyrene

Concen: 11.97 ng

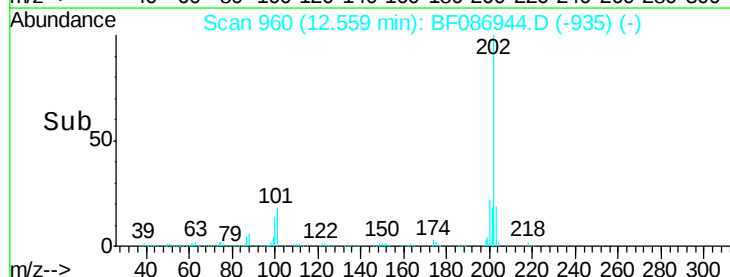
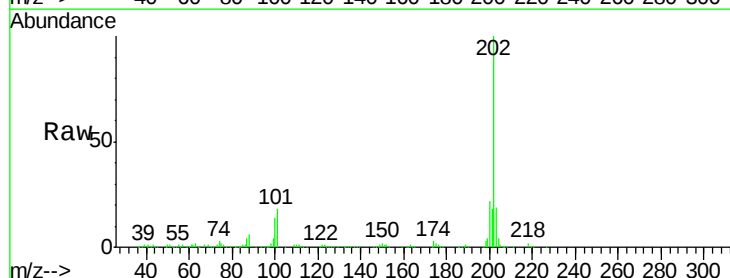
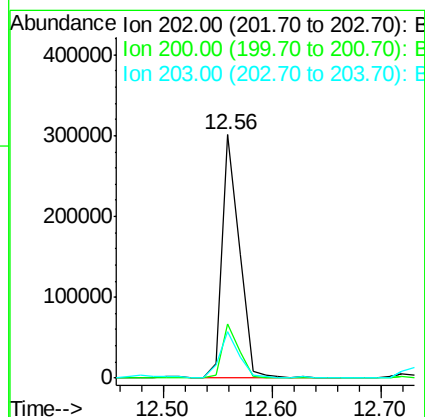
RT: 12.56 min Scan# 960

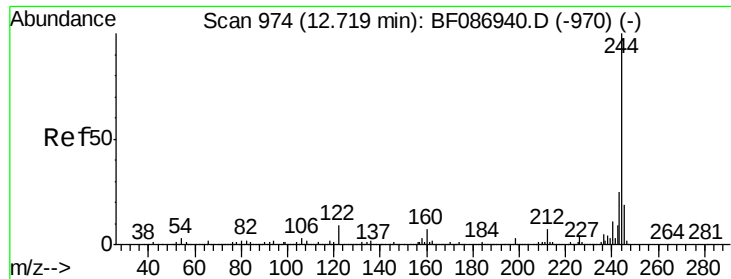
Delta R.T. -0.01 min

Lab File: BF086944.D

Acq: 12 May 2016 21:51

Tgt Ion:	202	Resp:	332310
Ion Ratio	Lower	Upper	
202	100		
200	22.2	17.7	26.5
203	19.3	14.2	21.4





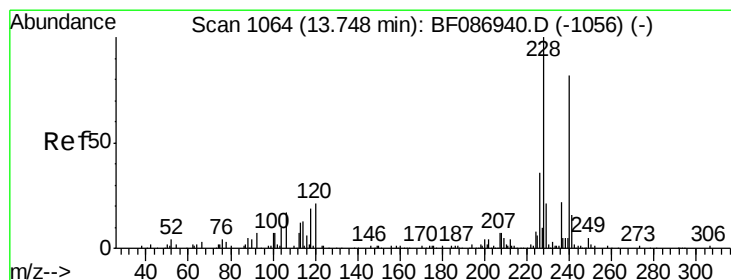
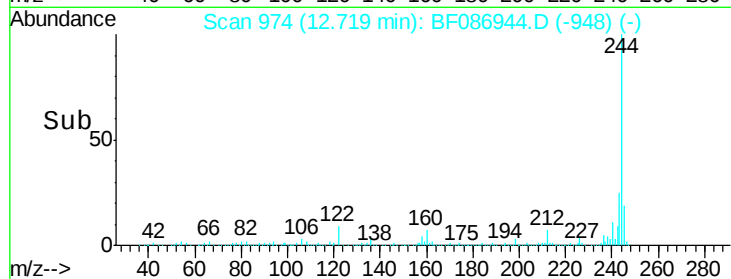
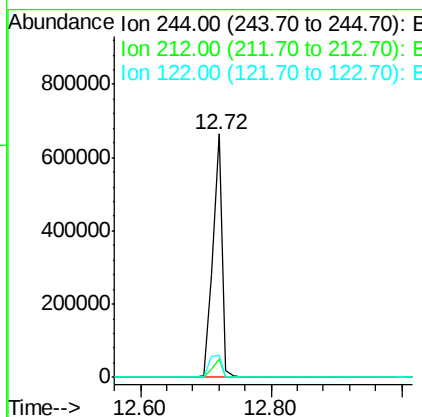
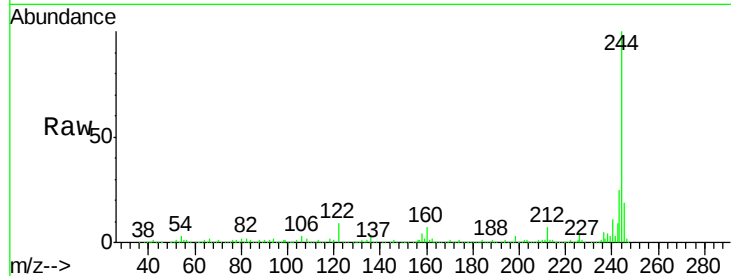
#78
 Terphenyl-d14
 Concen: 39.48 ng
 RT: 12.72 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: BF086944.D
 Acq: 12 May 2016 21:51

Instrument :
 BNA_F
 ClientSampleId :
 SS-02

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	7.3	6.2	9.2
122	9.3	12.0	18.0

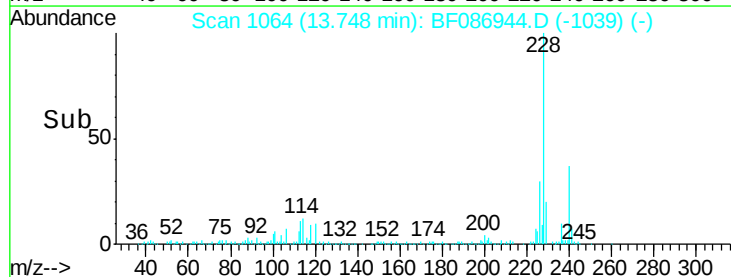
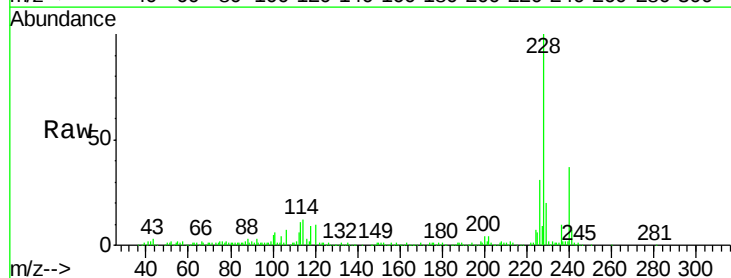
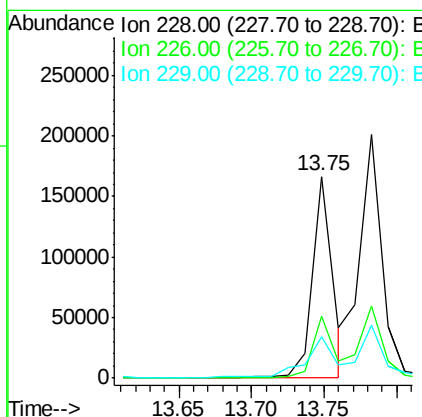
Manual Integrations
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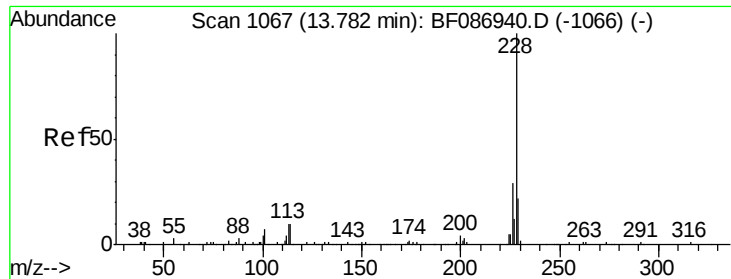
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#80
 Benzo(a)anthracene
 Concen: 7.81 ng
 RT: 13.75 min Scan# 1064
 Delta R.T. -0.01 min
 Lab File: BF086944.D
 Acq: 12 May 2016 21:51

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	30.7	22.5	33.7
229	20.3	16.6	25.0





#82

Chrysene

Concen: 10.37 ng

RT: 13.78 min Scan# 1067

Delta R.T. -0.01 min

Lab File: BF086944.D

Acq: 12 May 2016 21:51

Instrument :

BNA_F

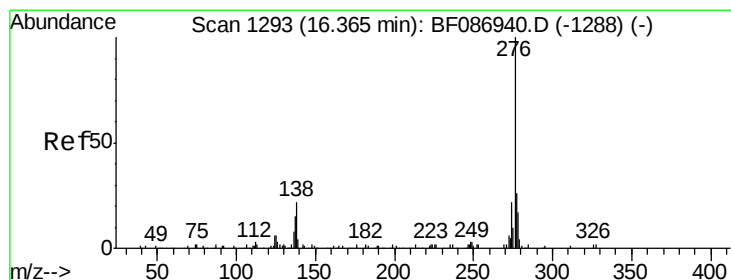
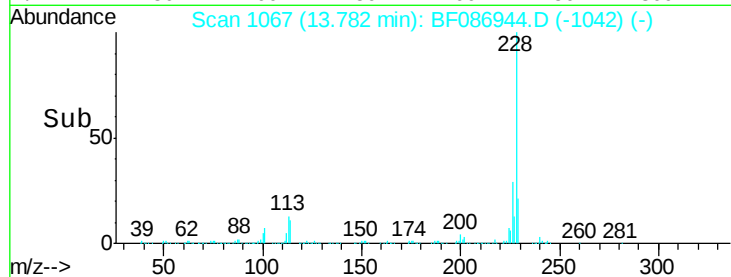
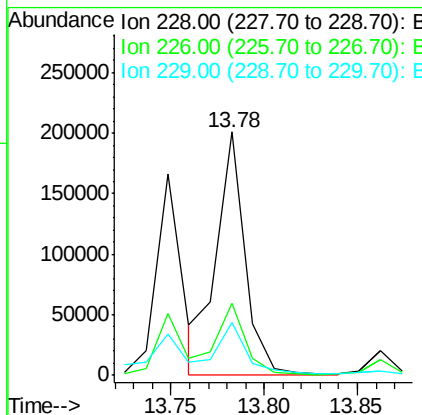
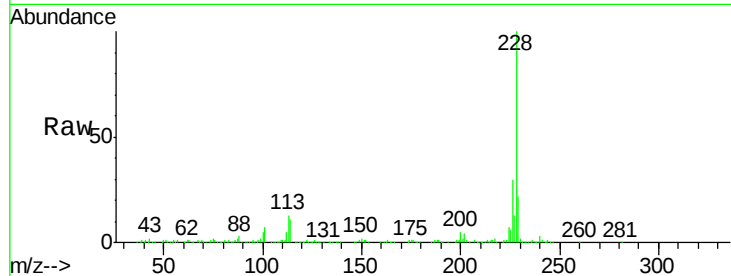
ClientSampleId :

SS-02

Tgt Ion:	228	Resp:	214601
Ion Ratio	Lower	Upper	
228	100		
226	29.6	24.4	36.6
229	21.5	15.8	23.8

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 7.68 ng

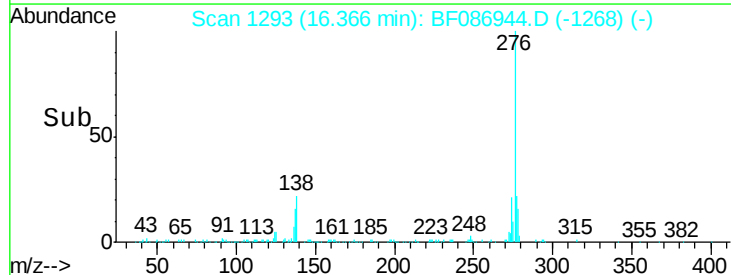
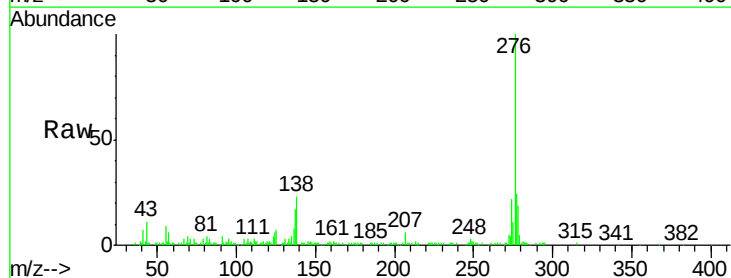
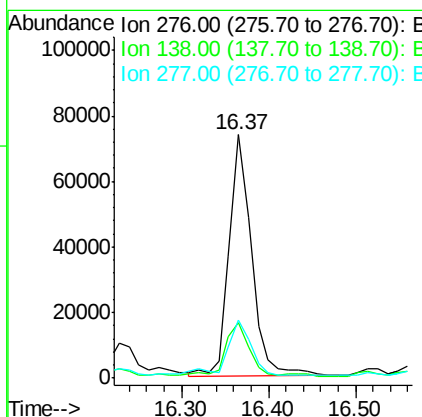
RT: 16.37 min Scan# 1293

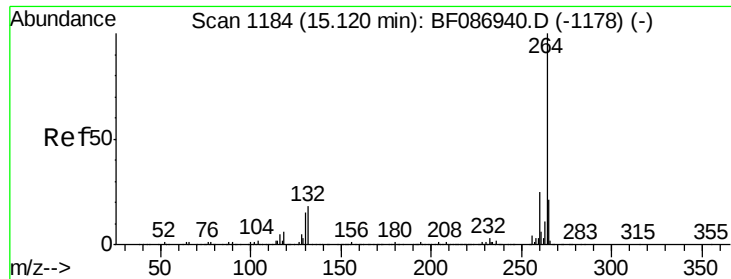
Delta R.T. -0.01 min

Lab File: BF086944.D

Acq: 12 May 2016 21:51

Tgt Ion:	276	Resp:	132227
Ion Ratio	Lower	Upper	
276	100		
138	23.4	25.6	38.4#
277	25.8	20.5	30.7





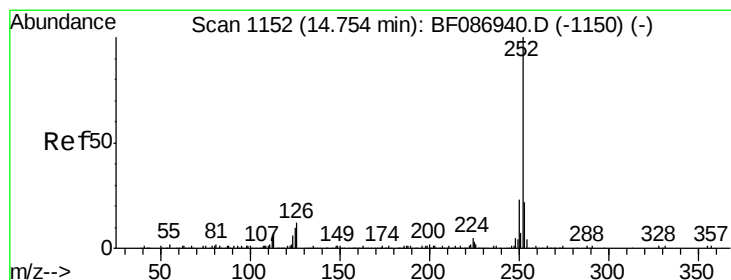
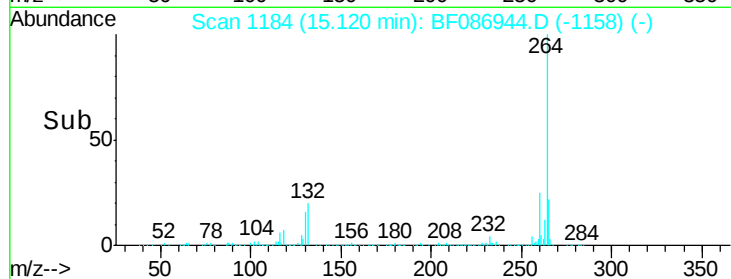
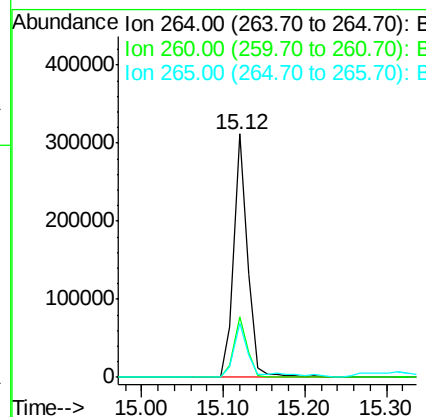
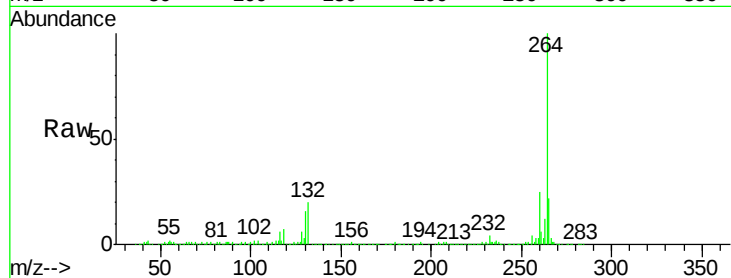
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.12 min Scan# 1184
Delta R.T. 0.00 min
Lab File: BF086944.D
Acq: 12 May 2016 21:51

Instrument :
BNA_F
ClientSampled :
SS-02

Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	24.9	19.5	29.3
265	22.4	17.3	25.9

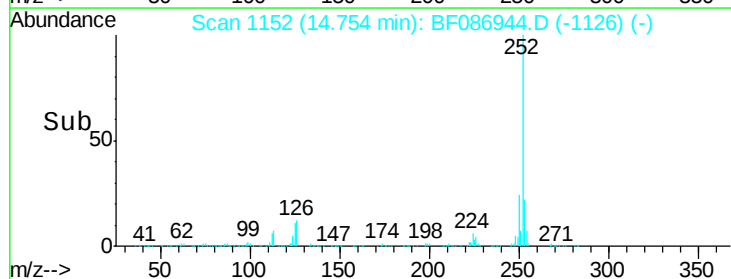
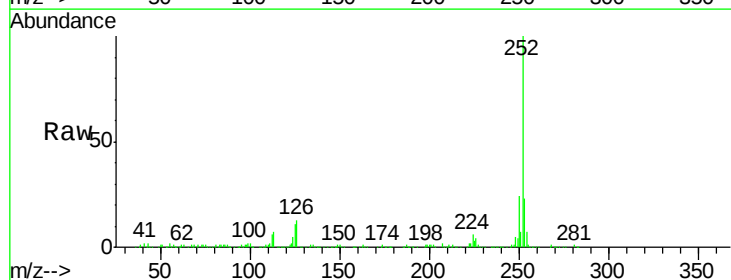
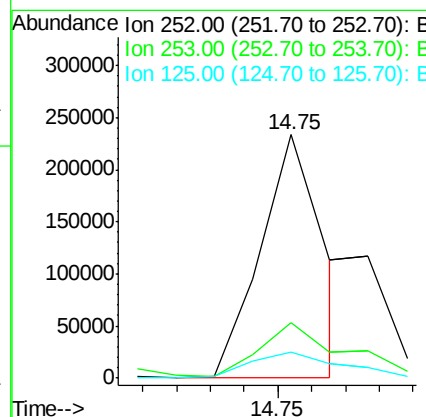
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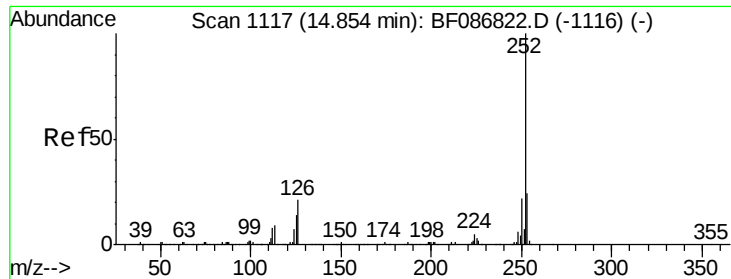
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#87
Benzo(b)fluoranthene
Concen: 12.68 ng m
RT: 14.75 min Scan# 1152
Delta R.T. 0.00 min
Lab File: BF086944.D
Acq: 12 May 2016 21:51

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	22.8	17.8	26.6
125	10.9	11.4	17.0





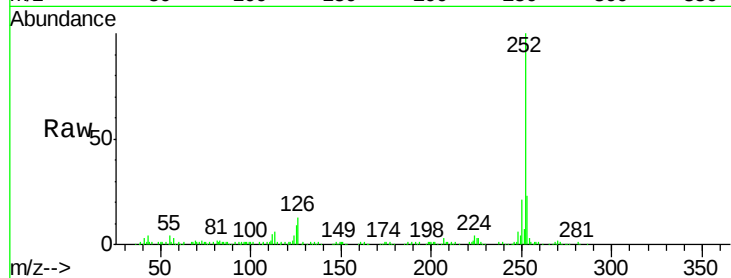
#88
Benzo(k)fluoranthene
Concen: 5.12 ng m
RT: 14.78 min Scan# 1154
Delta R.T. 0.00 min
Lab File: BF086944.D
Acq: 12 May 2016 21:51

Instrument :
BNA_F
ClientSampled :
SS-02

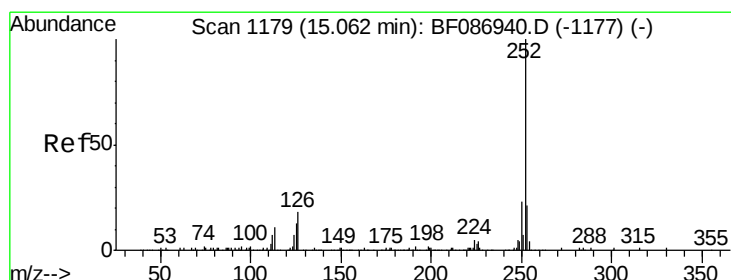
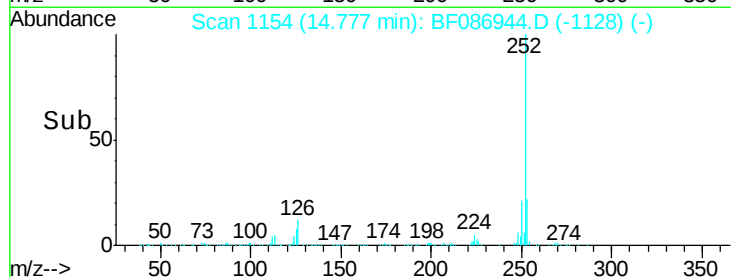
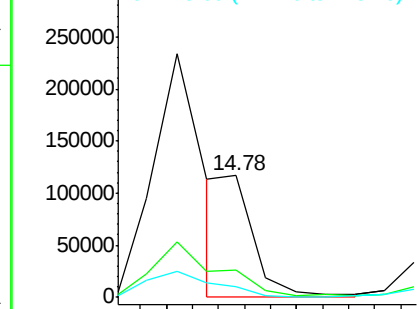
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.6
125	8.6	9.1	13.7

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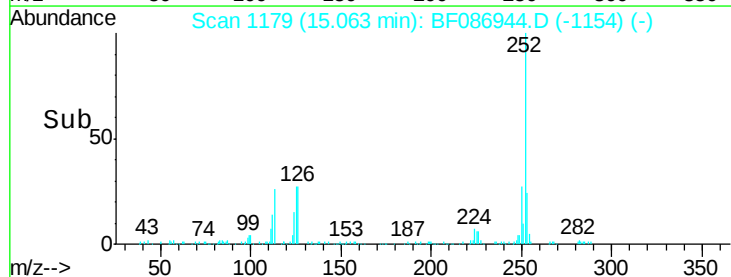
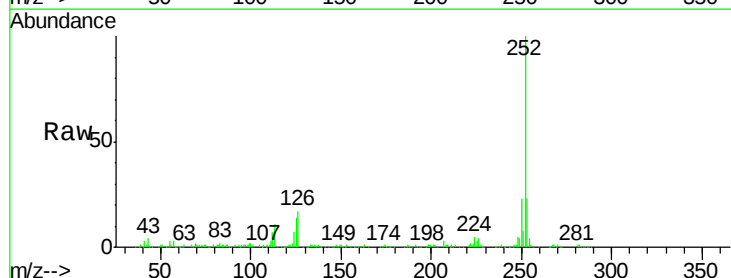
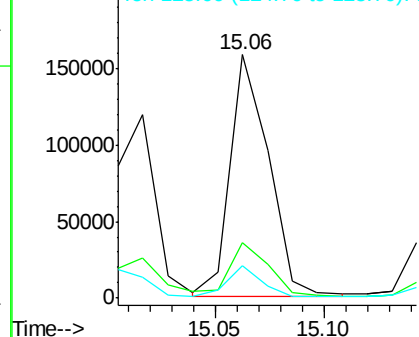
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

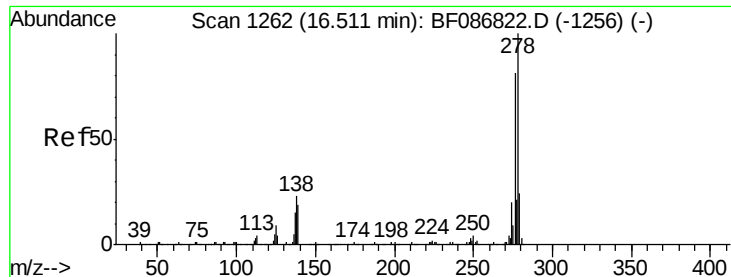


#89
Benzo(a)pyrene
Concen: 9.39 ng
RT: 15.06 min Scan# 1179
Delta R.T. -0.01 min
Lab File: BF086944.D
Acq: 12 May 2016 21:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.2	25.8
125	13.5	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





#90

Dibenzo(a,h)anthracene

Concen: 2.10 ng

RT: 16.38 min Scan# 1294

Delta R.T. -0.01 min

Lab File: BF086944.D

Acq: 12 May 2016 21:51

Instrument :

BNA_F

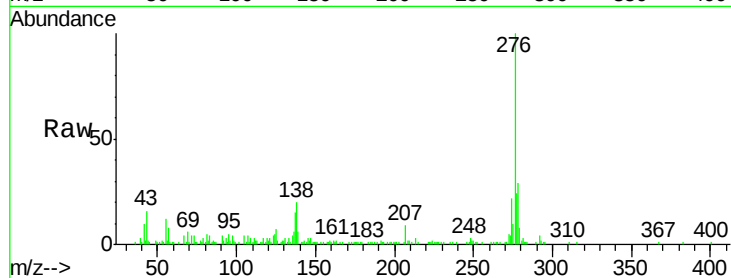
ClientSampleId :

SS-02

Tgt Ion:	278	Resp:	36607
Ion Ratio	Lower	Upper	
278	100		
139	20.0	16.6	24.8
279	29.2	19.6	29.4

Manual Integrations
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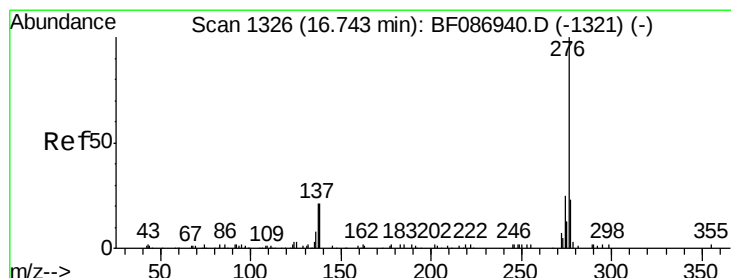
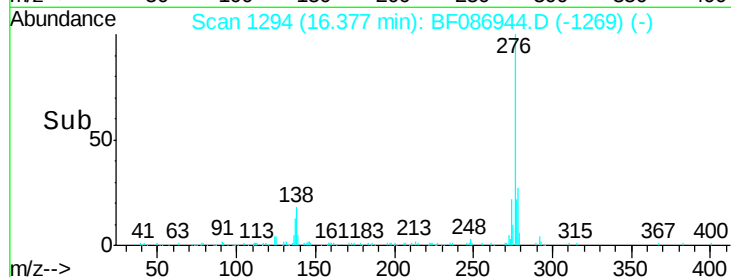
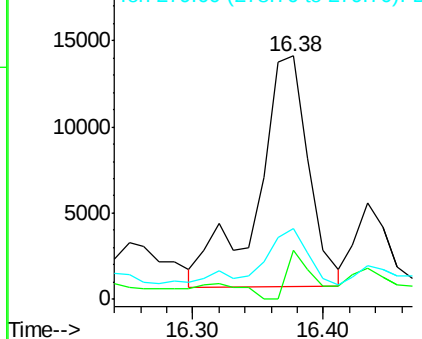
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Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 6.85 ng

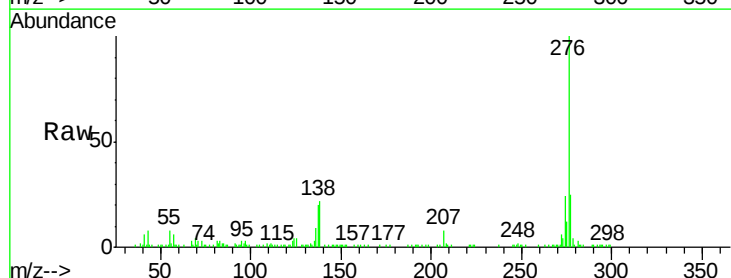
RT: 16.74 min Scan# 1326

Delta R.T. -0.01 min

Lab File: BF086944.D

Acq: 12 May 2016 21:51

Tgt Ion:	276	Resp:	121430
Ion Ratio	Lower	Upper	
276	100		
277	24.7	19.6	29.4
138	22.4	23.6	35.4



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

