

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF033116\
 Data File : BF085957.D
 Acq On : 1 Apr 2016 5:29
 Operator : UM/SJ
 Sample : H2025-01DL 5X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CLARK-PHASE3-WELL-STOCKPILE

Manual Integrations
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Sohil
 4/1/2016 9:46:45 PM

Quant Time: Apr 01 13:21:40 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 30 12:31:18 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	99996	20.00	ng	-0.01
21) Naphthalene-d8	8.07	136	405349	20.00	ng	-0.02
38) Acenaphthene-d10	9.83	164	178291	20.00	ng	-0.01
63) Phenanthrene-d10	11.32	188	302982	20.00	ng	-0.01
75) Chrysene-d12	13.95	240	184017	20.00	ng	-0.02
86) Perylene-d12	15.36	264	199431	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	151272	25.19	ng	-0.01
7) Phenol-d6	6.42	99	220087	28.83	ng	-0.02
23) Nitrobenzene-d5	7.35	82	121717	16.91	ng	-0.02
41) 2,4,6-Tribromophenol	10.62	330	36142	21.34	ng	-0.01
44) 2-Fluorobiphenyl	9.14	172	197188	18.48	ng	-0.02
78) Terphenyl-d14	12.89	244	124887	13.96	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.09	128	79634	3.90	ng	98
48) Acenaphthylene	9.69	152	83544	4.63	ng	97
49) Dimethylphthalate	9.54	163	32270	2.39	ng	97
51) Acenaphthene	9.86	154	79067	7.18	ng	99
57) Fluorene	10.38	166	53609	4.53	ng	99
70) Phenanthrene	11.34	178	490771	31.55	ng	99
71) Anthracene	11.38	178	172231	10.55	ng	98
74) Fluoranthene	12.53	202	663373	40.12	ng	91
77) Pyrene	12.76	202	921191	60.90	ng	100
80) Benzo(a)anthracene	13.93	228	320948	30.59	ng	# 93
82) Chrysene	13.97	228	227852m	21.56	ng	
85) Indeno(1,2,3-cd)pyrene	16.73	276	177463	21.74	ng	93
87) Benzo(b)fluoranthene	14.96	252	289894m	23.07	ng	
88) Benzo(k)fluoranthene	14.97	252	123098m	10.87	ng	
89) Benzo(a)pyrene	15.31	252	261015	23.40	ng	98
90) Dibenzo(a,h)anthracene	16.73	278	39055m	3.77	ng	
91) Benzo(g,h,i)perylene	17.15	276	189798	18.08	ng	96

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

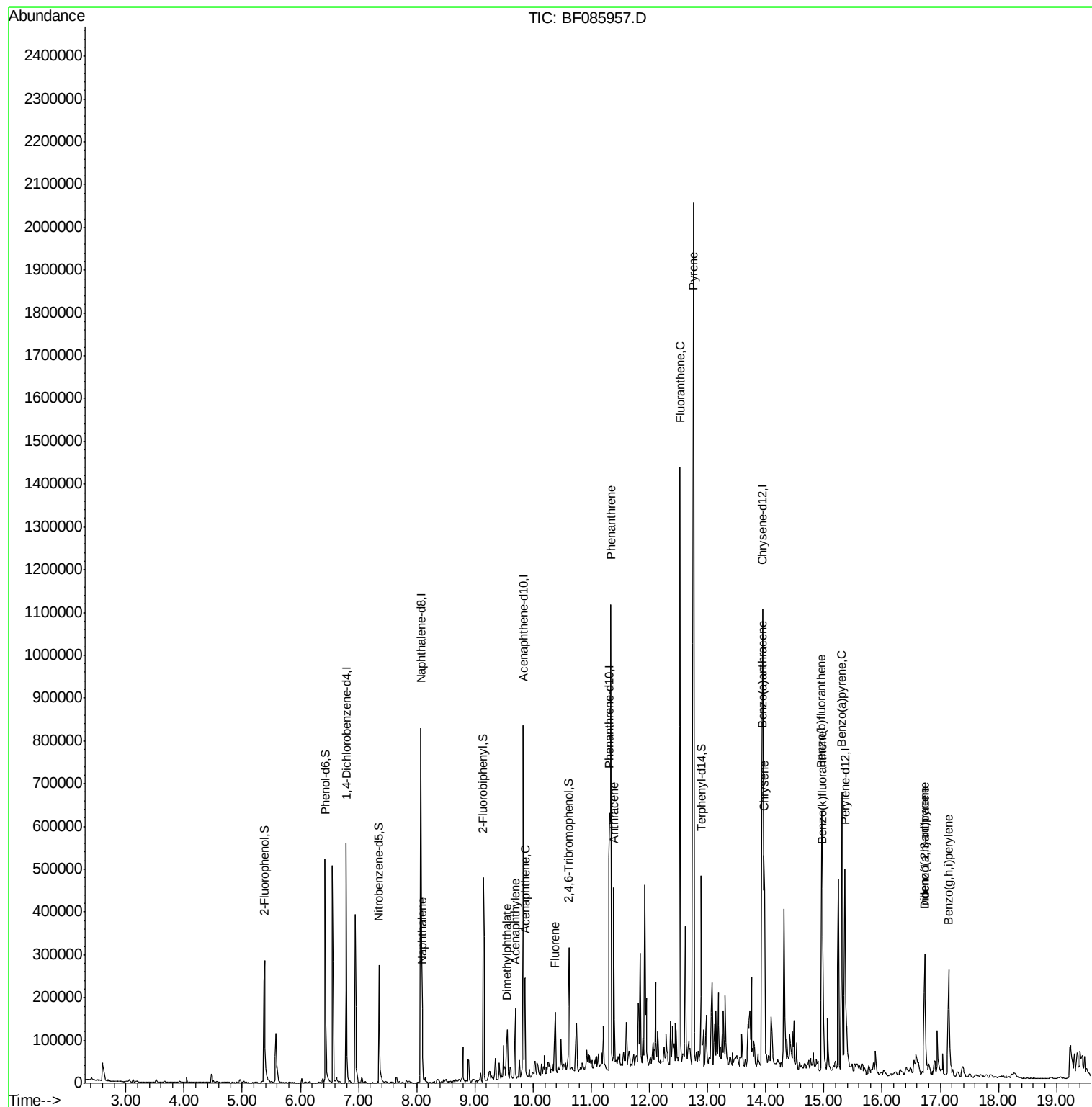
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF033116\
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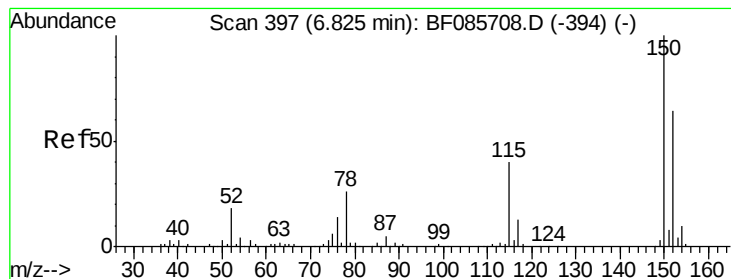
Instrument :
BNA_F
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CLARK-PHASE3-WELL-STOCKPILE

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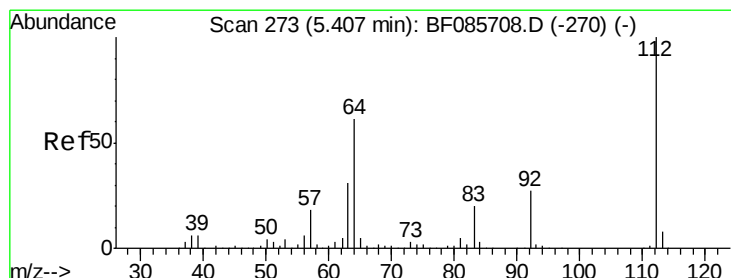
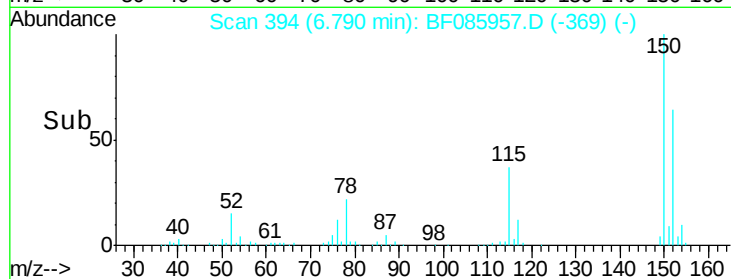
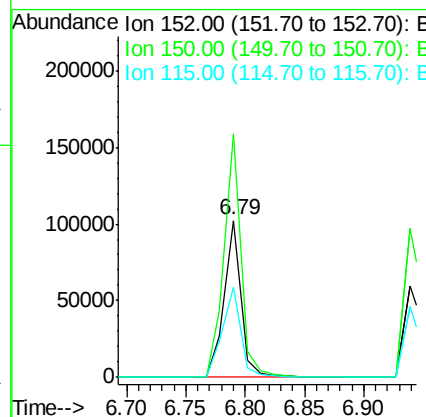
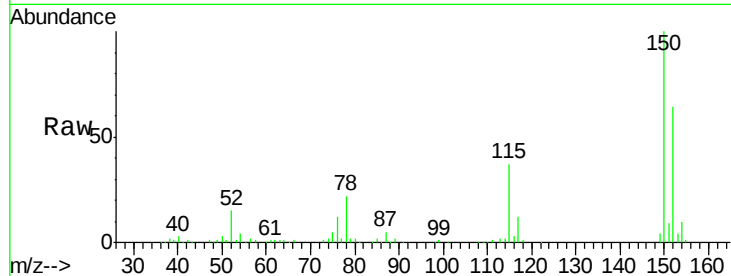
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.79 min Scan# 394
 Delta R.T. -0.01 min
 Lab File: BF085957.D
 Acq: 1 Apr 2016 5:29

Instrument :
 BNA_F
 ClientSampleId :
 CLARK-PHASE3-WELL-STOCKPILE

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.2	186.2
115	57.8	47.0	70.6

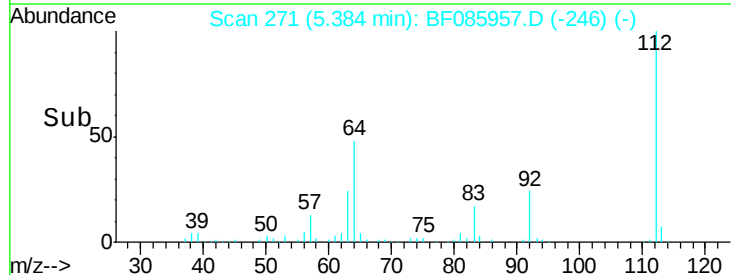
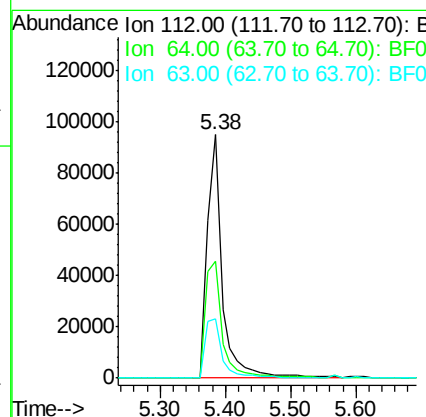
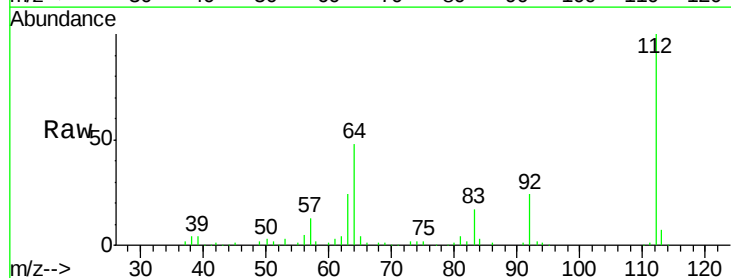
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#5
 2-Fluorophenol
 Concen: 25.19 ng
 RT: 5.38 min Scan# 271
 Delta R.T. -0.01 min
 Lab File: BF085957.D
 Acq: 1 Apr 2016 5:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	48.1	39.9	59.9
63	24.3	20.2	30.2





#7

Phenol-d6

Concen: 28.83 ng

RT: 6.42 min Scan# 362

Delta R.T. -0.02 min

Lab File: BF085957.D

Acq: 1 Apr 2016 5:29

Instrument :

BNA_F

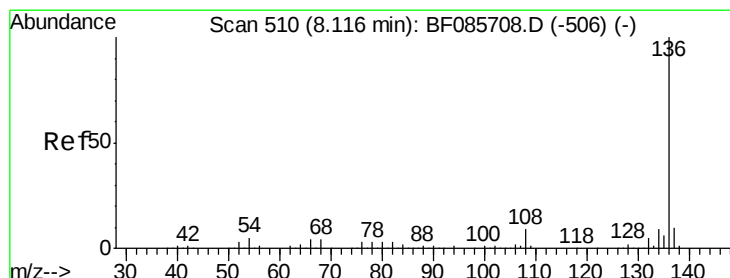
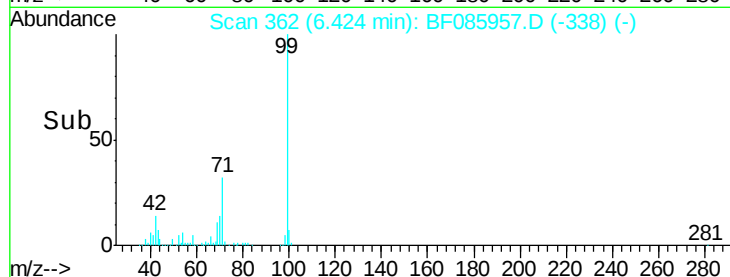
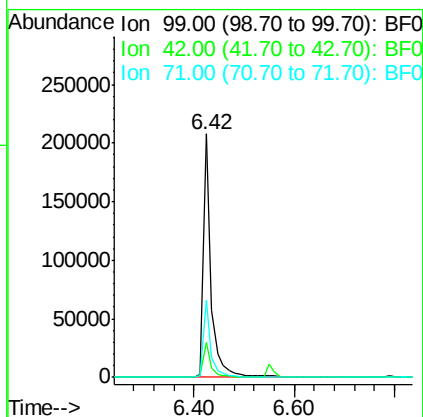
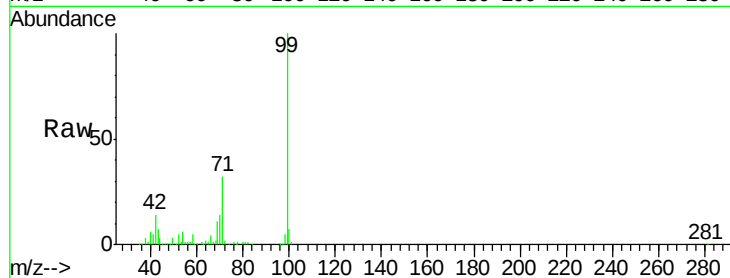
ClientSampleId :

CLARK-PHASE3-WELL-STOCKPILE

Tgt Ion:	99	Resp:	220087
Ion Ratio	Lower	Upper	
99	100		
42	14.4	11.1	16.7
71	31.6	24.9	37.3

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#21

Naphthalene-d8

Concen: 20.00 ng

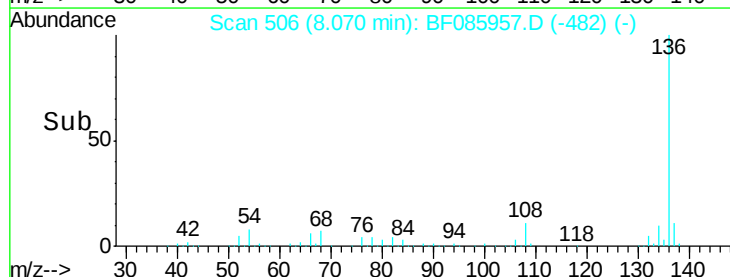
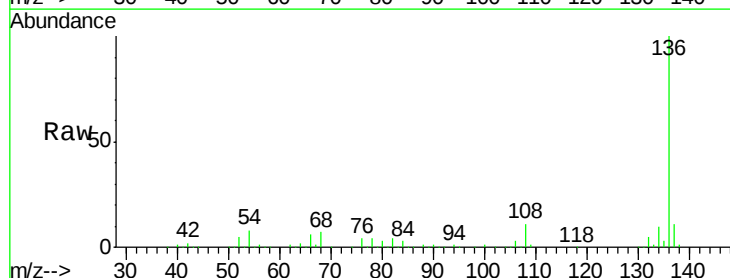
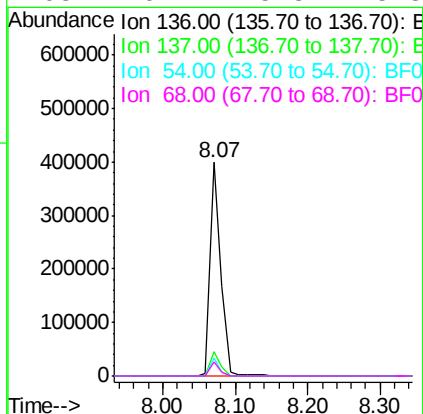
RT: 8.07 min Scan# 506

Delta R.T. -0.02 min

Lab File: BF085957.D

Acq: 1 Apr 2016 5:29

Tgt Ion:	136	Resp:	405349
Ion Ratio	Lower	Upper	
136	100		
137	11.2	9.1	13.7
54	8.3	7.4	11.0
68	6.7	5.8	8.8





#23

Nitrobenzene-d5

Concen: 16.91 ng

RT: 7.35 min Scan# 443

Delta R.T. -0.02 min

Lab File: BF085957.D

Acq: 1 Apr 2016 5:29

Instrument :

BNA_F

ClientSampleId :

CLARK-PHASE3-WELL-STOCKPILE

Tgt Ion: 82 Resp: 121717
Ion Ratio Lower Upper

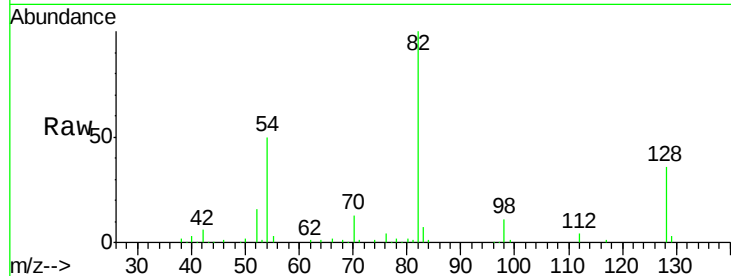
82 100

128 36.4 41.8 62.8#

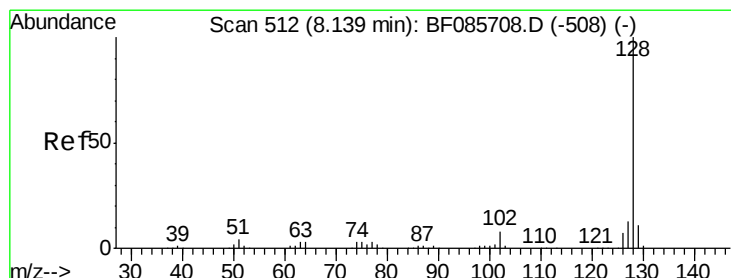
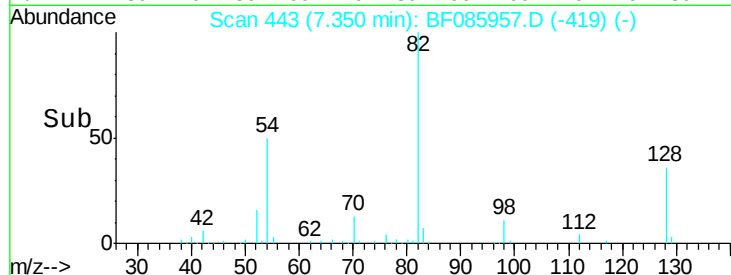
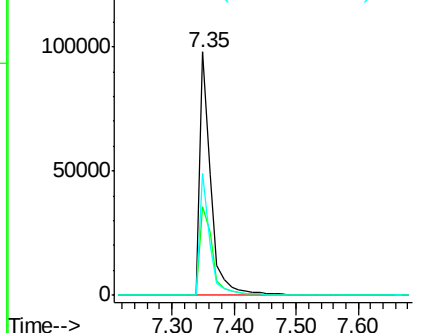
54 50.3 33.4 50.0#

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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



#31

Naphthalene

Concen: 3.90 ng

RT: 8.09 min Scan# 508

Delta R.T. -0.01 min

Lab File: BF085957.D

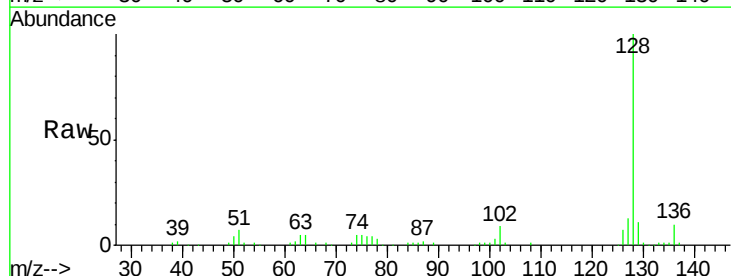
Acq: 1 Apr 2016 5:29

Tgt Ion: 128 Resp: 79634
Ion Ratio Lower Upper

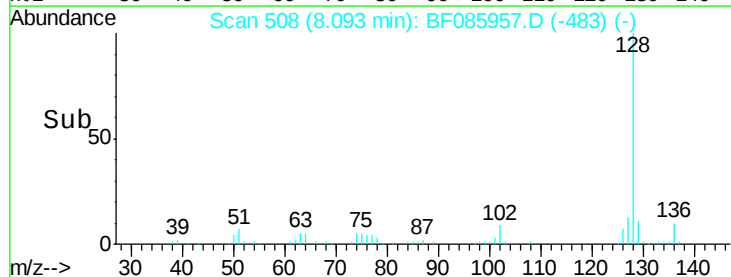
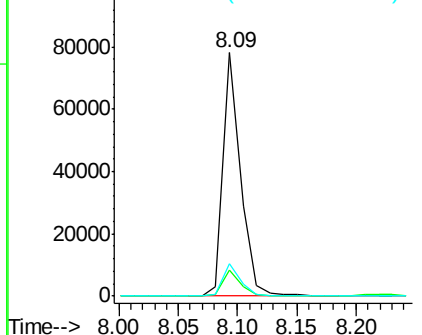
128 100

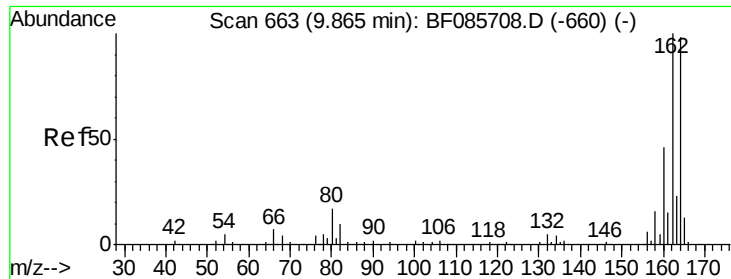
129 10.8 9.4 14.0

127 13.1 11.0 16.6



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.83 min Scan# 660

Delta R.T. -0.01 min

Lab File: BF085957.D

Acq: 1 Apr 2016 5:29

Instrument :

BNA_F

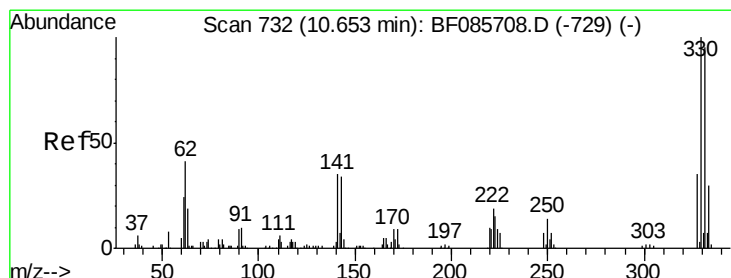
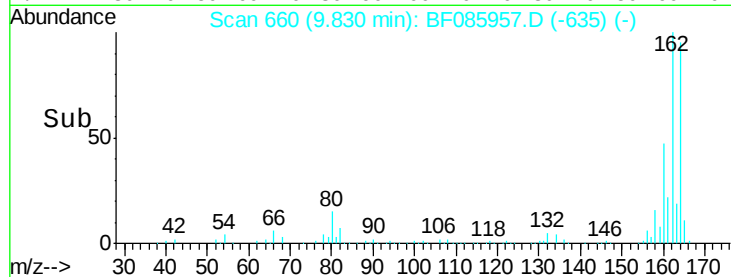
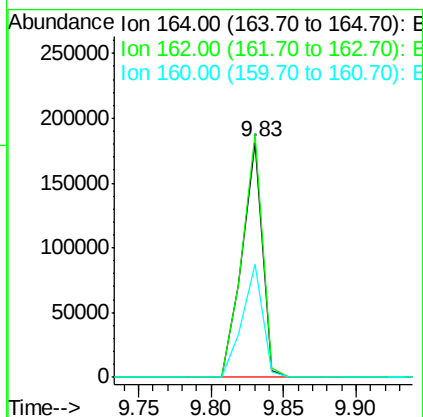
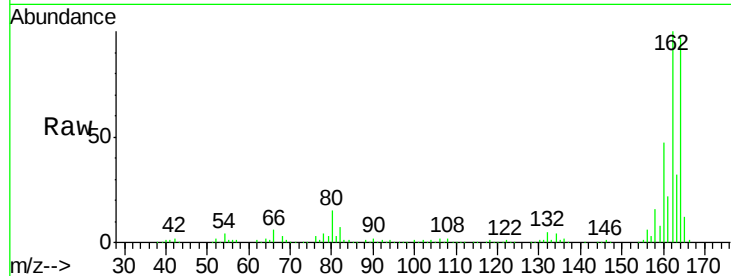
ClientSampleId :

CLARK-PHASE3-WELL-STOCKPILE

Tgt Ion:	164	Resp:	178291
Ion Ratio	Lower	Upper	
164	100		
162	103.5	82.1	123.1
160	48.3	37.4	56.2

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#41

2,4,6-Tribromophenol

Concen: 21.34 ng

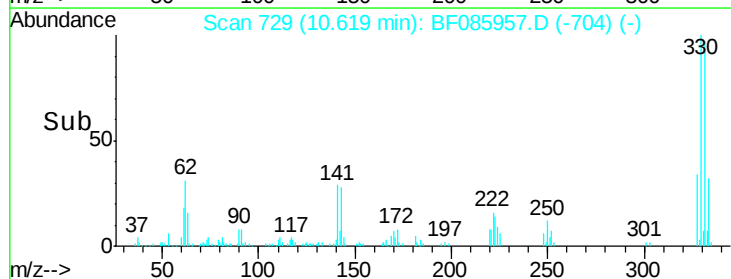
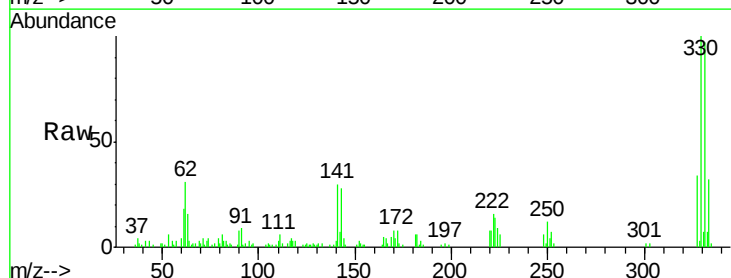
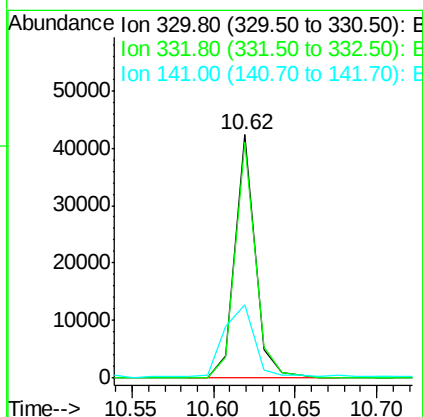
RT: 10.62 min Scan# 729

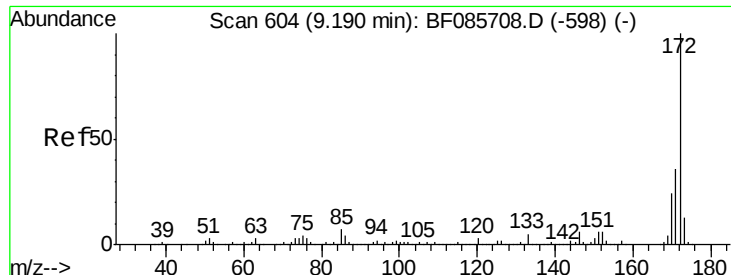
Delta R.T. -0.01 min

Lab File: BF085957.D

Acq: 1 Apr 2016 5:29

Tgt Ion:	330	Resp:	36142
Ion Ratio	Lower	Upper	
330	100		
332	97.7	78.2	117.2
141	51.9	31.5	47.3#





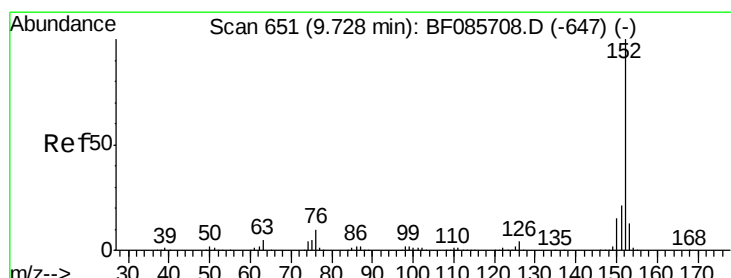
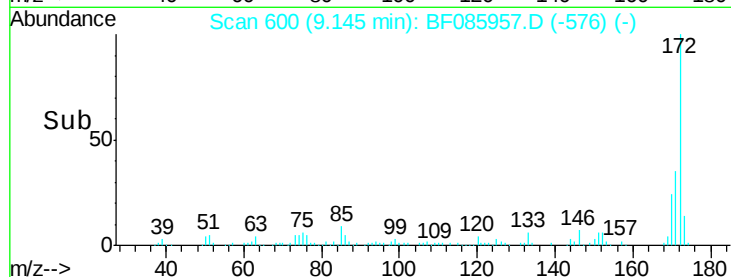
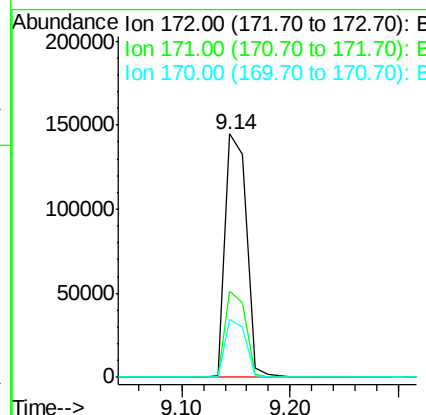
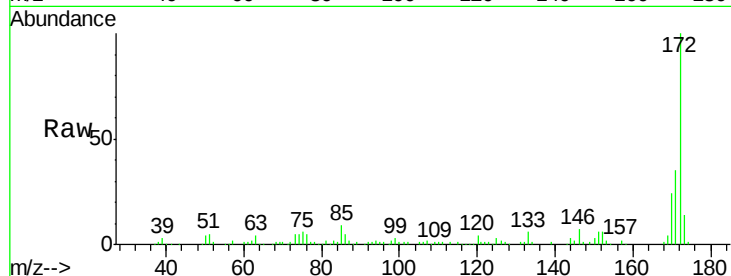
#44
 2-Fluorobiphenyl
 Concen: 18.48 ng
 RT: 9.14 min Scan# 600
 Delta R.T. -0.02 min
 Lab File: BF085957.D
 Acq: 1 Apr 2016 5:29

Instrument :
 BNA_F
 ClientSampleId :
 CLARK-PHASE3-WELL-STOCKPILE

Tgt Ion	Ratio	Resp Lower	Resp Upper
172	100		
171	35.3	29.4	44.2
170	23.8	19.8	29.6

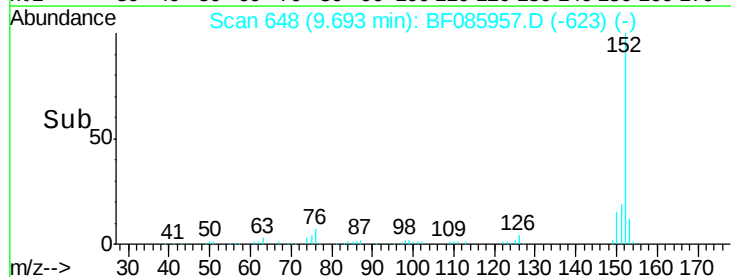
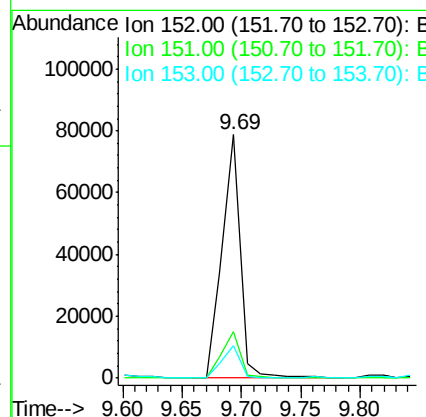
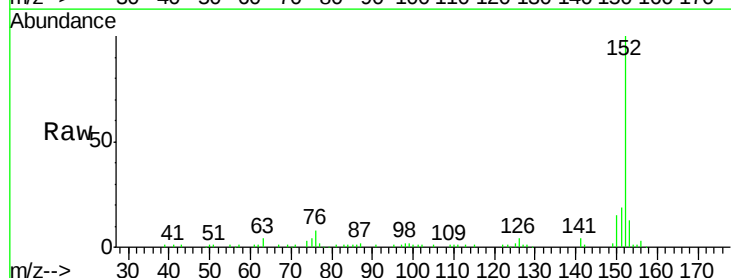
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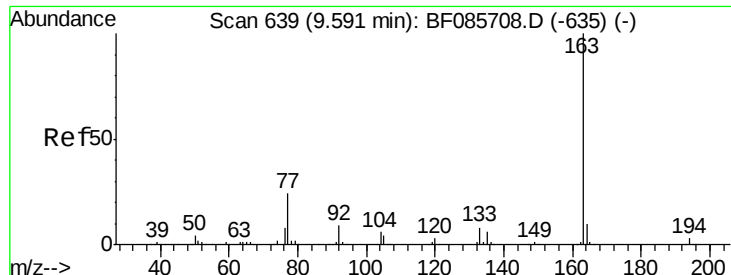
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#48
 Acenaphthylene
 Concen: 4.63 ng
 RT: 9.69 min Scan# 648
 Delta R.T. -0.01 min
 Lab File: BF085957.D
 Acq: 1 Apr 2016 5:29

Tgt Ion	Ratio	Resp Lower	Resp Upper
152	100		
151	19.1	16.8	25.2
153	13.2	10.9	16.3





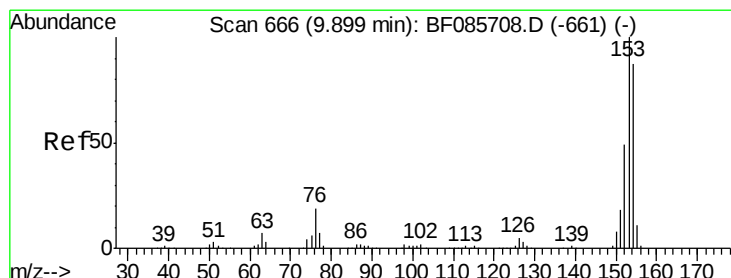
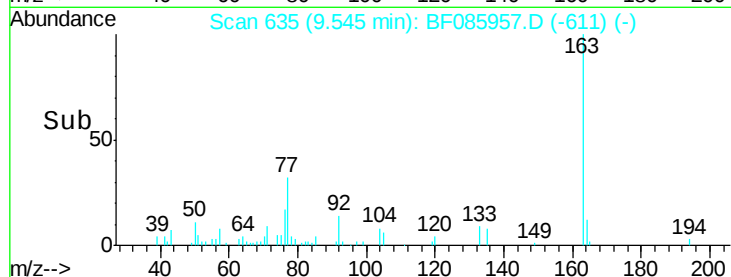
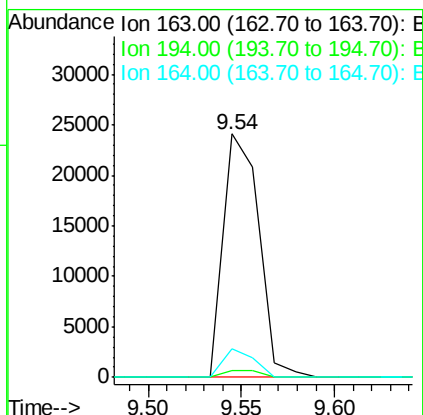
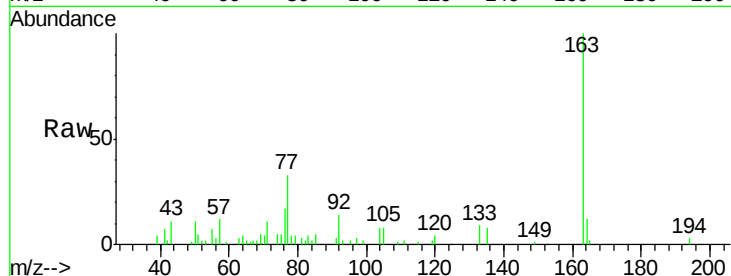
#49
Dimethylphthalate
Concen: 2.39 ng
RT: 9.54 min Scan# 635
Delta R.T. -0.02 min
Lab File: BF085957.D
Acq: 1 Apr 2016 5:29

Instrument :
BNA_F
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Tgt Ion	Ratio	Resp	Lower	Upper
163	100	32270		
194	2.9		2.9	4.3
164	11.6		8.3	12.5

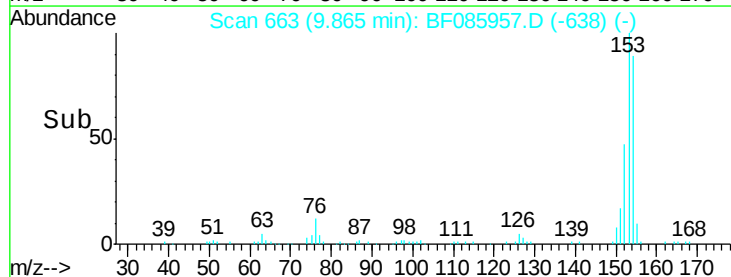
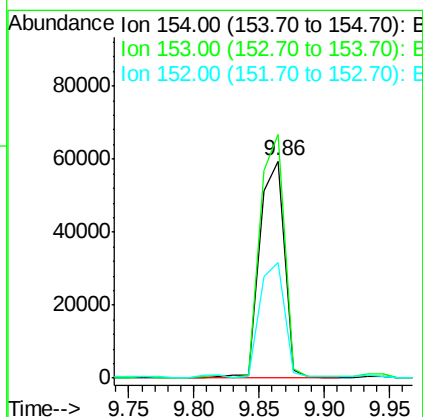
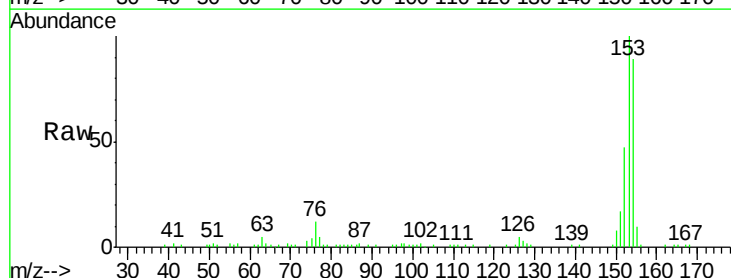
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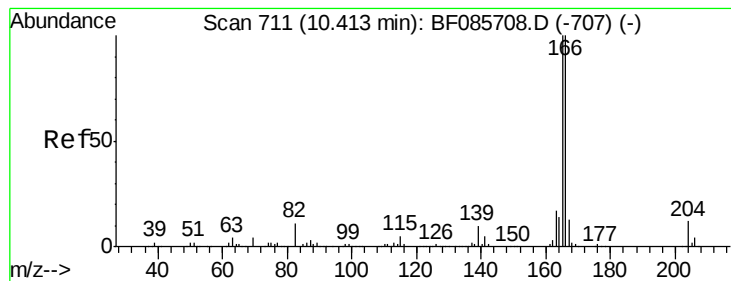
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#51
Acenaphthene
Concen: 7.18 ng
RT: 9.86 min Scan# 663
Delta R.T. -0.01 min
Lab File: BF085957.D
Acq: 1 Apr 2016 5:29

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	79067		
153	112.2		90.1	135.1
152	53.2		44.2	66.2





#57

Fluorene

Concen: 4.53 ng

RT: 10.38 min Scan# 708

Delta R.T. -0.01 min

Lab File: BF085957.D

Acq: 1 Apr 2016 5:29

Instrument :

BNA_F

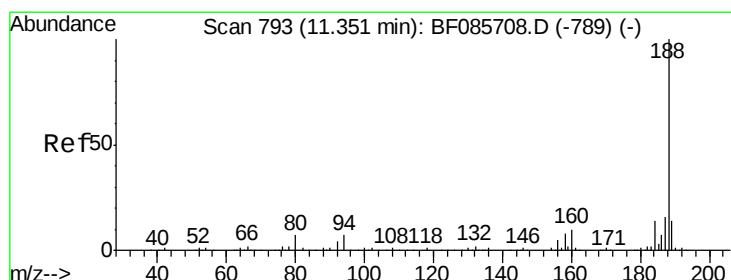
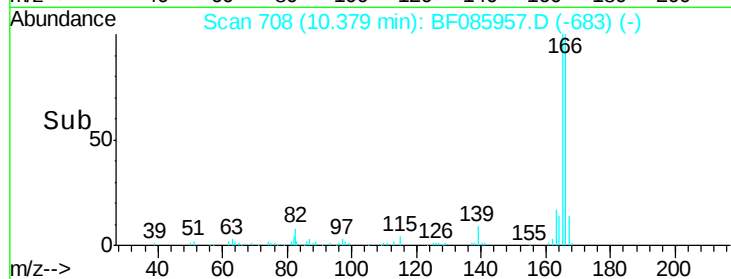
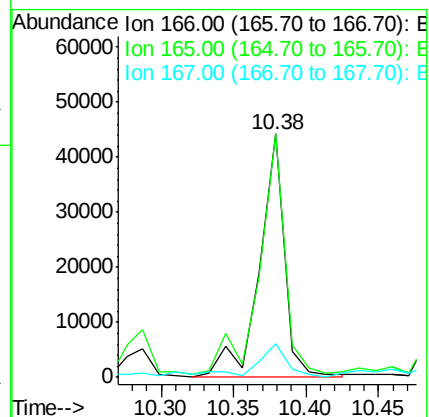
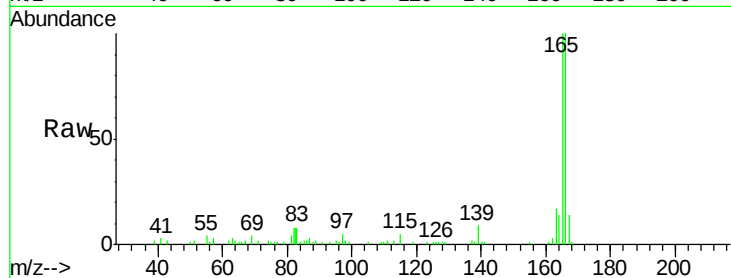
ClientSampleId :

CLARK-PHASE3-WELL-STOCKPILE

Tgt Ion:	166	Resp:	53609
Ion Ratio	Lower	Upper	
166	100		
165	99.9	79.4	119.0
167	13.6	11.0	16.4

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#63

Phenanthrene-d10

Concen: 20.00 ng

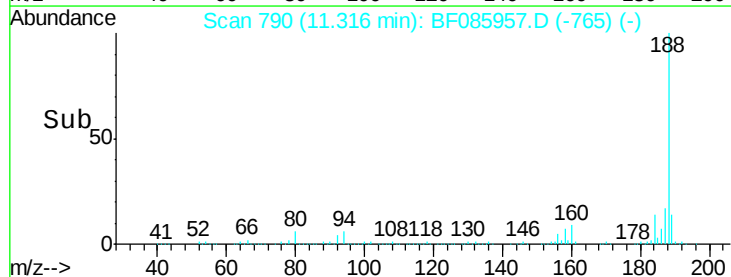
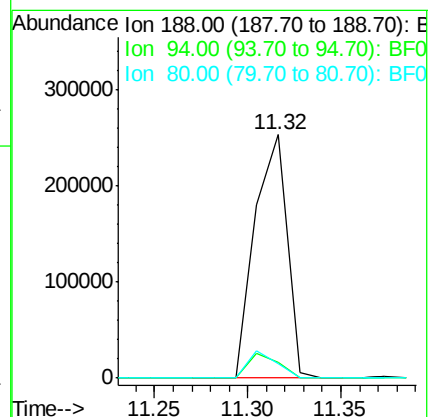
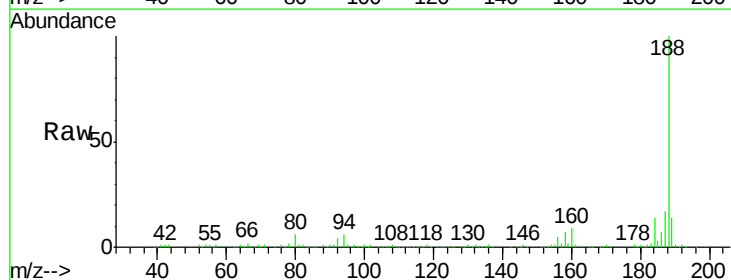
RT: 11.32 min Scan# 790

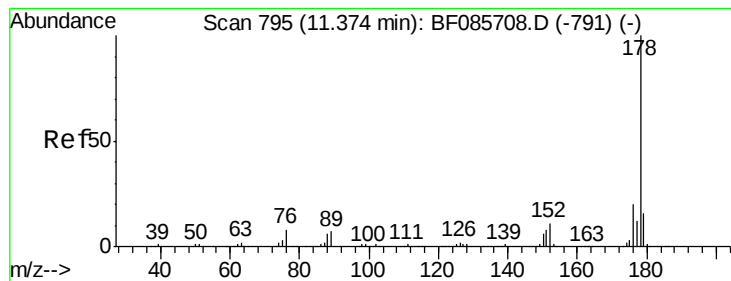
Delta R.T. -0.01 min

Lab File: BF085957.D

Acq: 1 Apr 2016 5:29

Tgt Ion:	188	Resp:	302982
Ion Ratio	Lower	Upper	
188	100		
94	6.3	5.4	8.0
80	6.2	5.5	8.3





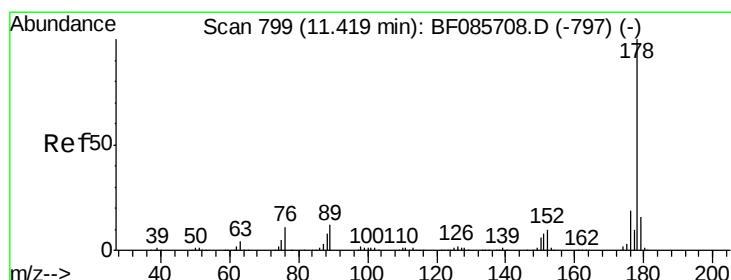
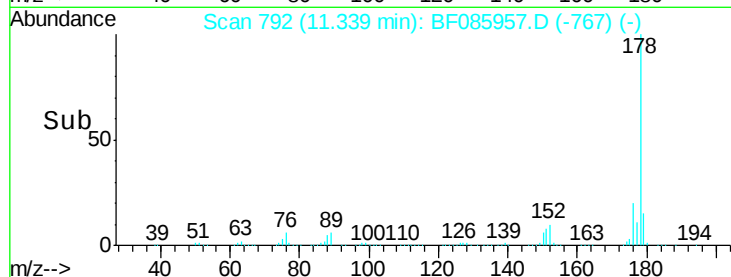
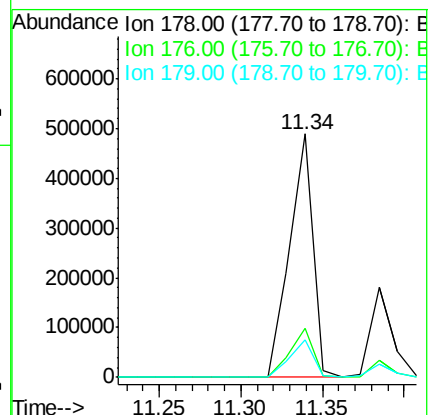
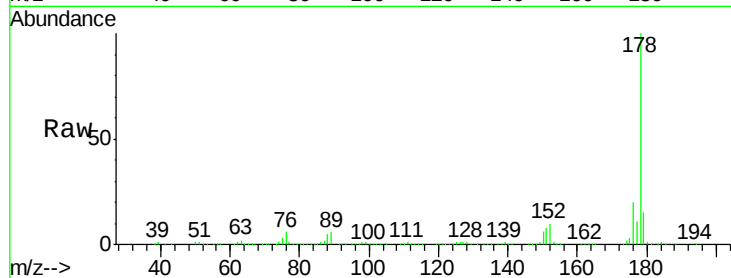
#70
Phenanthrene
Concen: 31.55 ng
RT: 11.34 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF085957.D
Acq: 1 Apr 2016 5:29

Instrument :
BNA_F
ClientSampleId :
CLARK-PHASE3-WELL-STOCKPILE

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.1	16.3	24.5
179	15.5	12.6	18.8

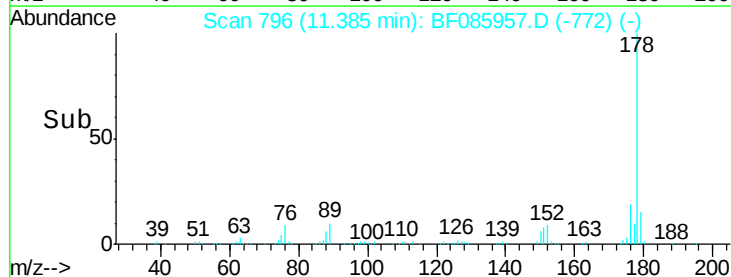
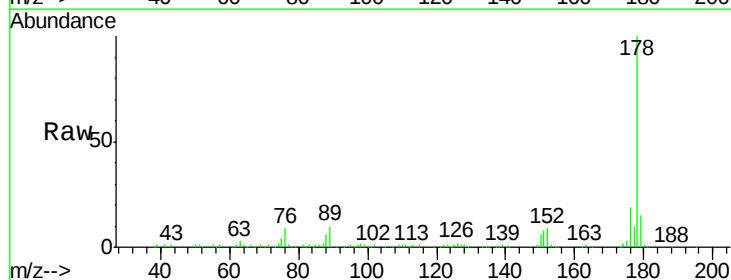
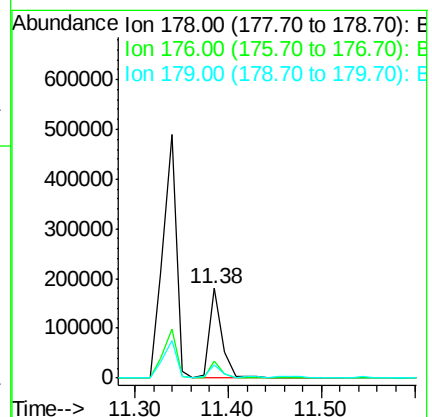
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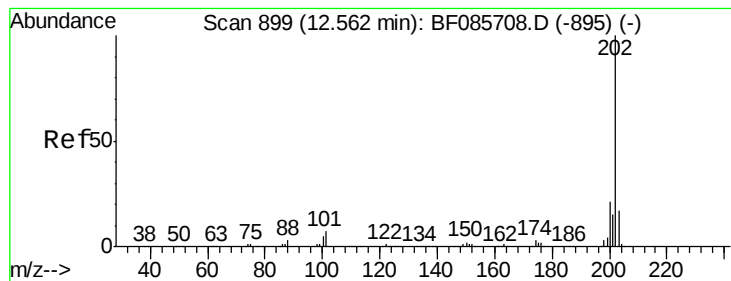
Sohil
4/1/2016 9:46:45 PM



#71
Anthracene
Concen: 10.55 ng
RT: 11.38 min Scan# 796
Delta R.T. -0.02 min
Lab File: BF085957.D
Acq: 1 Apr 2016 5:29

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.9	23.9
179	15.3	13.0	19.4





#74

Fluoranthene

Concen: 40.12 ng

RT: 12.53 min Scan# 896

Delta R.T. -0.01 min

Lab File: BF085957.D

Acq: 1 Apr 2016 5:29

Instrument :

BNA_F

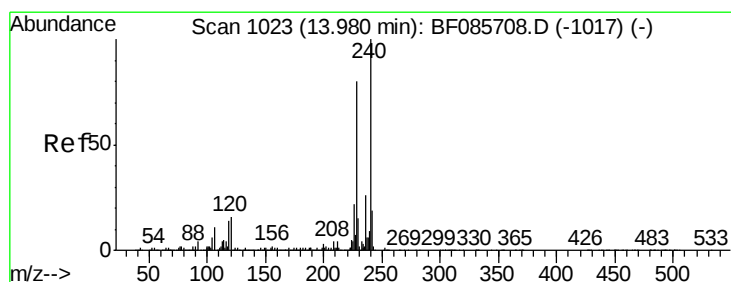
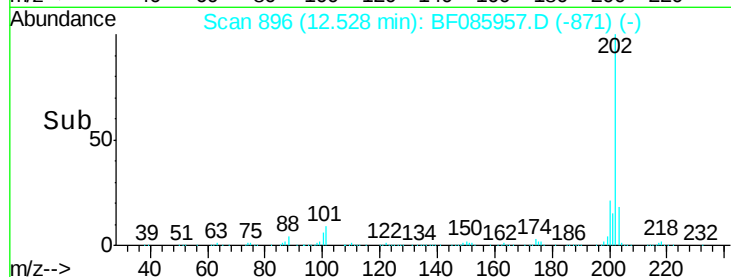
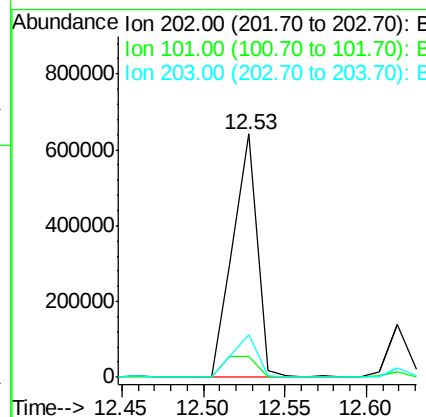
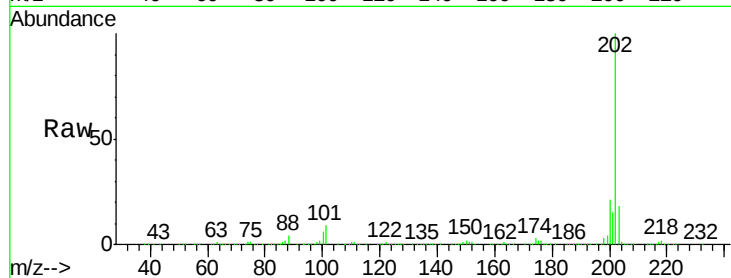
ClientSampleId :

CLARK-PHASE3-WELL-STOCKPILE

Tgt	Ion	202	Resp:	663373
Ion	Ratio	Lower	Upper	
202	100			
101	8.7	0.0	36.6	
203	17.7	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.00 ng

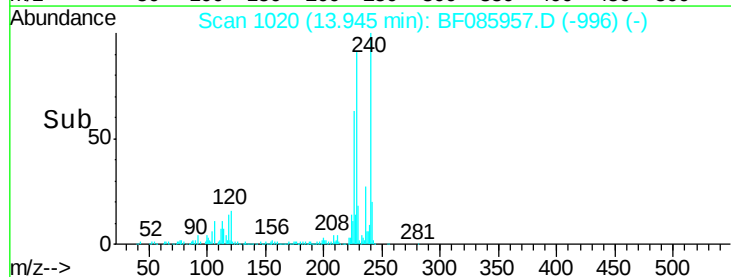
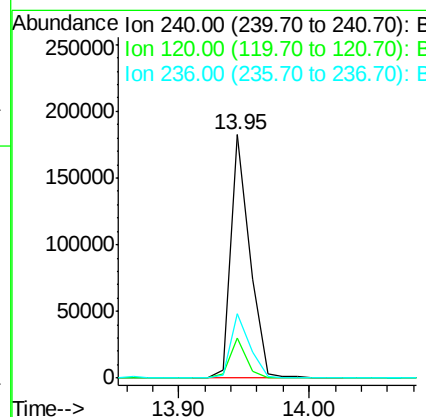
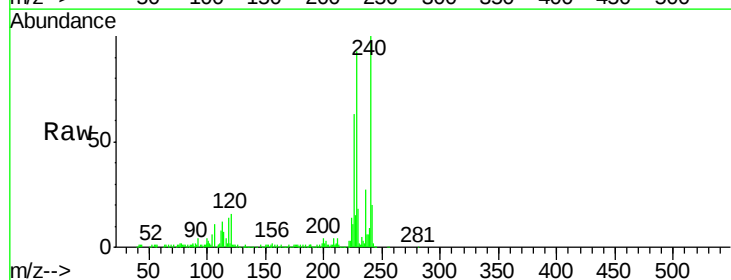
RT: 13.95 min Scan# 1020

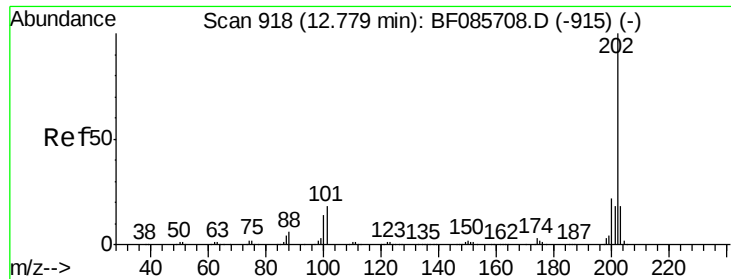
Delta R.T. -0.02 min

Lab File: BF085957.D

Acq: 1 Apr 2016 5:29

Tgt	Ion	240	Resp:	184017
Ion	Ratio	Lower	Upper	
240	100			
120	16.3	13.8	20.8	
236	26.5	20.6	30.8	





#77

Pyrene

Concen: 60.90 ng

RT: 12.76 min Scan# 916

Delta R.T. -0.01 min

Lab File: BF085957.D

Acq: 1 Apr 2016 5:29

Instrument :

BNA_F

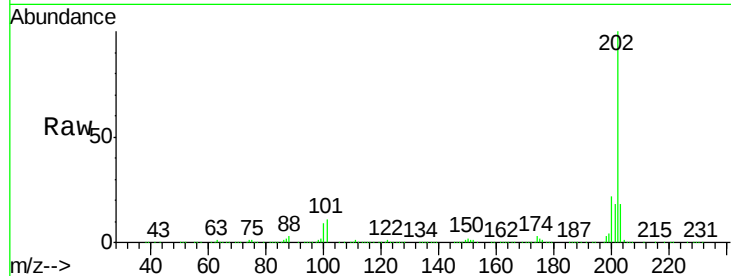
ClientSampleId :

CLARK-PHASE3-WELL-STOCKPILE

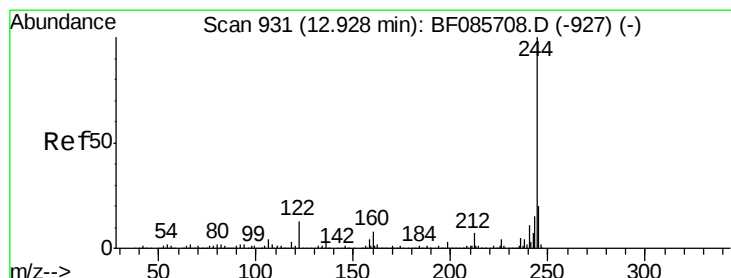
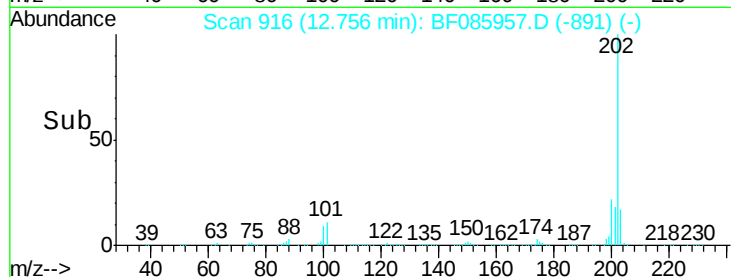
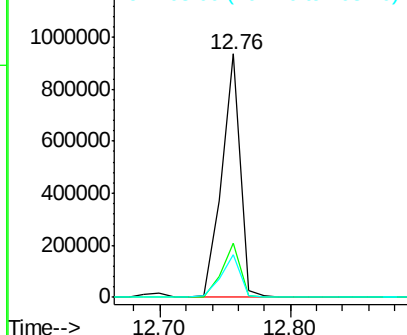
Tgt Ion:	202	Resp:	921191
Ion Ratio	Lower	Upper	
202	100		
200	22.2	17.6	26.4
203	17.6	14.0	21.0

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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: 13.96 ng

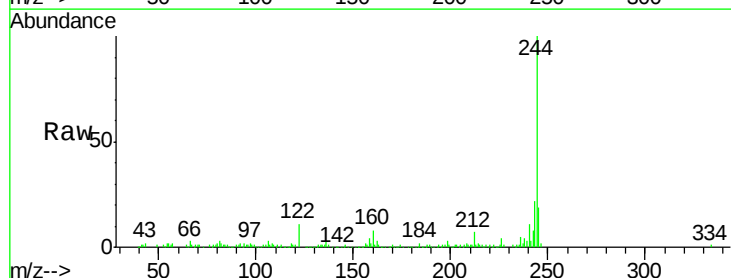
RT: 12.89 min Scan# 928

Delta R.T. -0.01 min

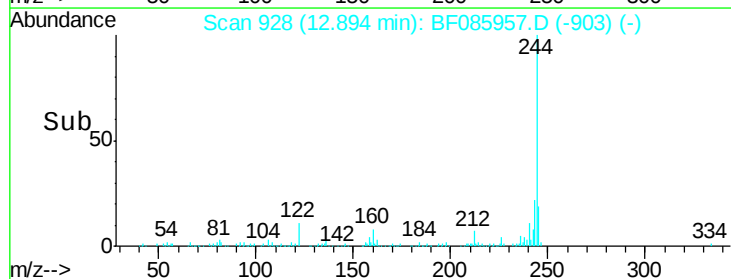
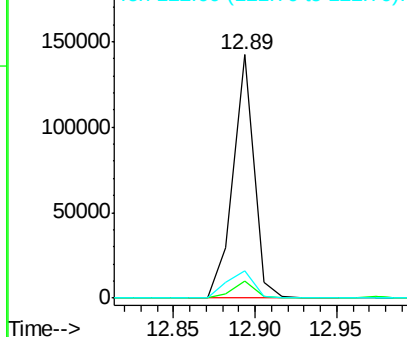
Lab File: BF085957.D

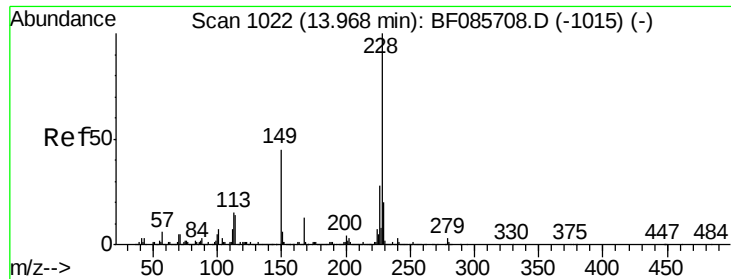
Acq: 1 Apr 2016 5:29

Tgt Ion:	244	Resp:	124887
Ion Ratio	Lower	Upper	
244	100		
212	7.2	6.1	9.1
122	11.2	10.2	15.4



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





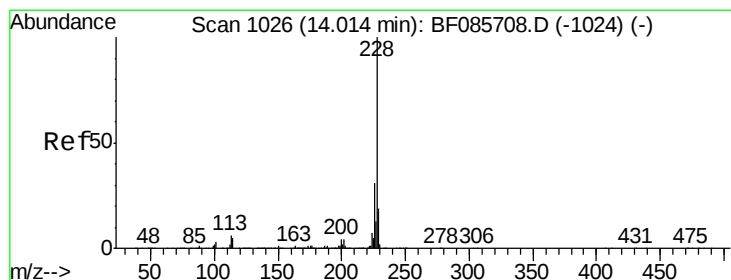
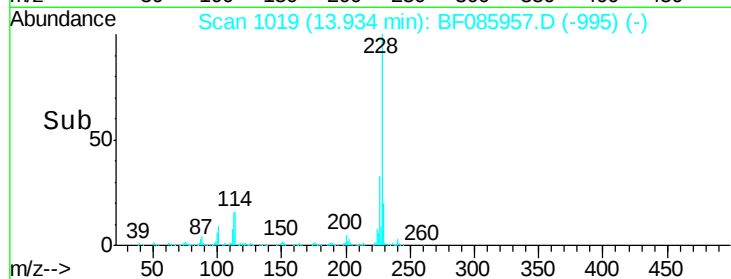
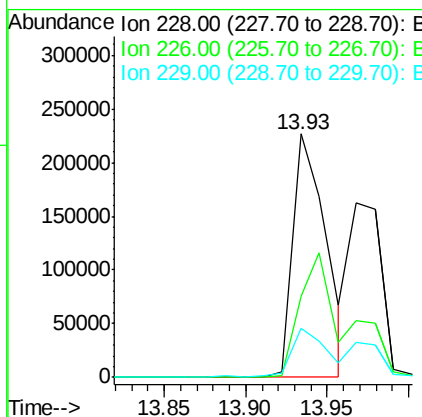
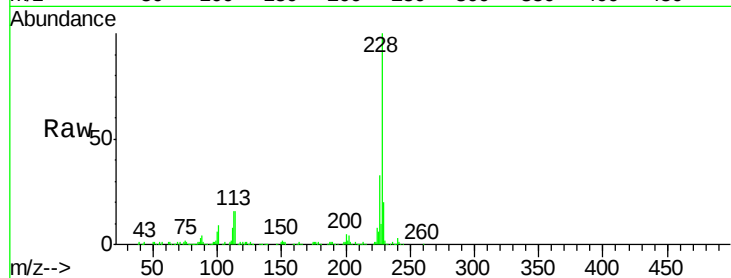
#80
Benzo(a)anthracene
Concen: 30.59 ng
RT: 13.93 min Scan# 1019
Delta R.T. -0.02 min
Lab File: BF085957.D
Acq: 1 Apr 2016 5:29

Instrument :
BNA_F
ClientSampleId :
CLARK-PHASE3-WELL-STOCKPILE

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.4	22.1	33.1#
229	20.1	16.2	24.4

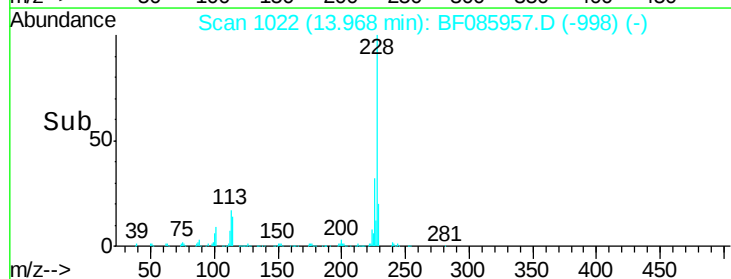
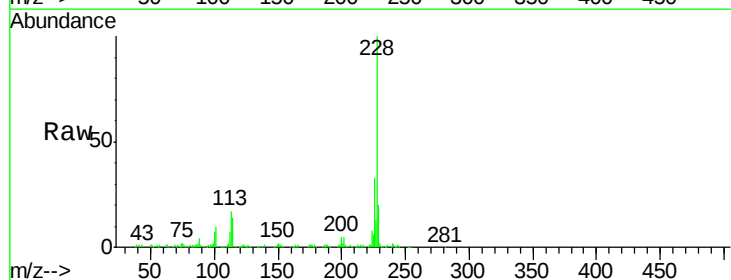
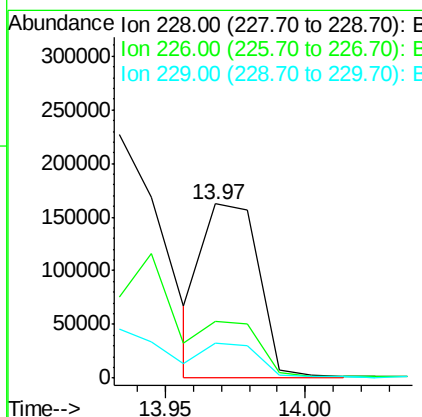
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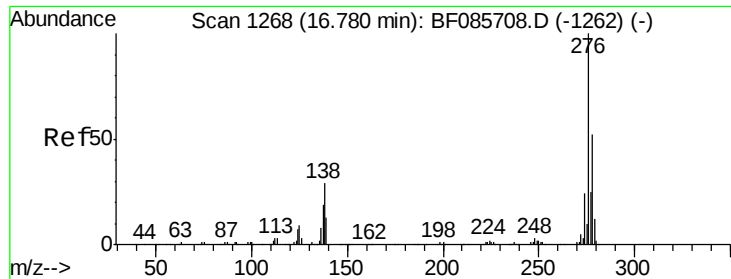
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#82
Chrysene
Concen: 21.56 ng m
RT: 13.97 min Scan# 1022
Delta R.T. -0.02 min
Lab File: BF085957.D
Acq: 1 Apr 2016 5:29

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.7	25.0	37.6
229	20.2	15.7	23.5





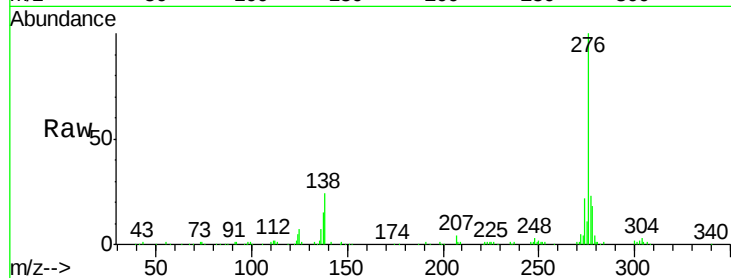
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 21.74 ng
 RT: 16.73 min Scan# 1264
 Delta R.T. -0.02 min
 Lab File: BF085957.D
 Acq: 1 Apr 2016 5:29

Instrument :
 BNA_F
 ClientSampleId :
 CLARK-PHASE3-WELL-STOCKPILE

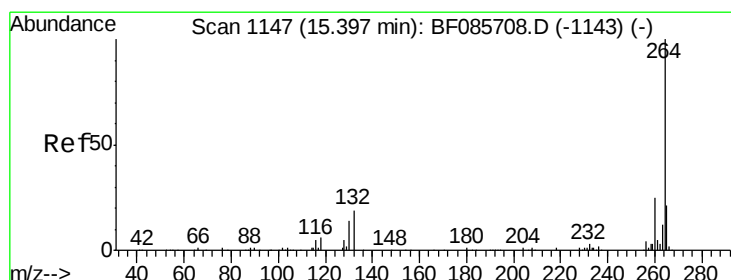
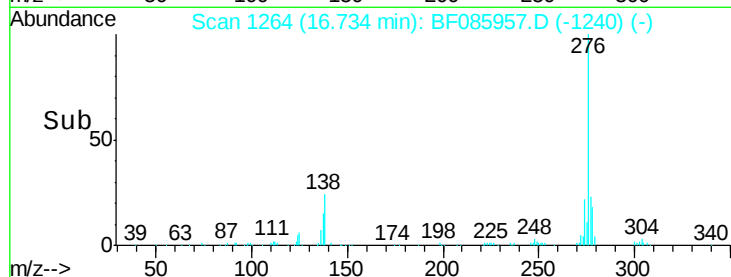
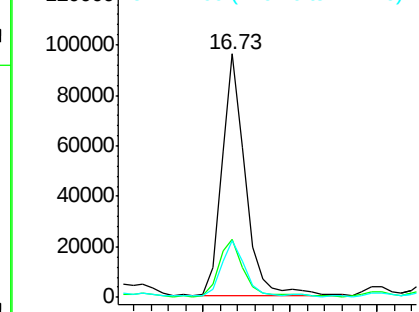
Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.7	24.2	36.4
277	23.5	20.0	30.0

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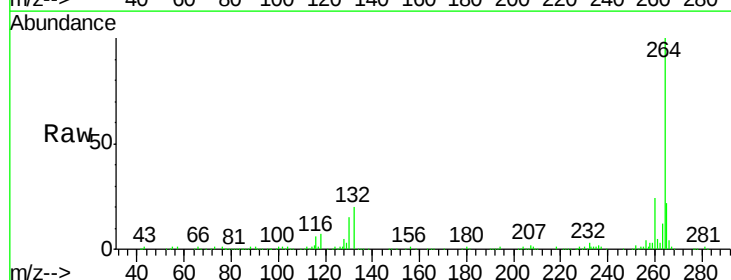


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

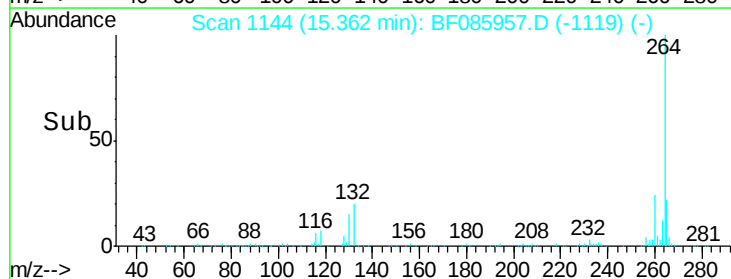
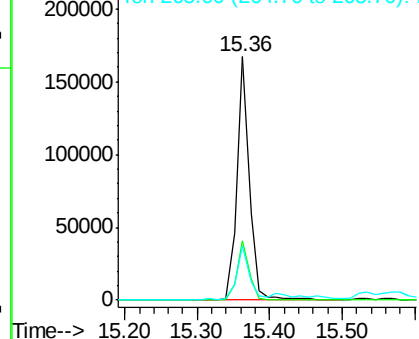


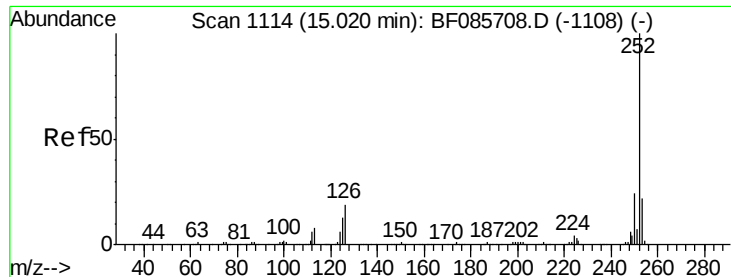
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.36 min Scan# 1144
 Delta R.T. -0.01 min
 Lab File: BF085957.D
 Acq: 1 Apr 2016 5:29

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.4	29.2
265	22.2	17.2	25.8



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





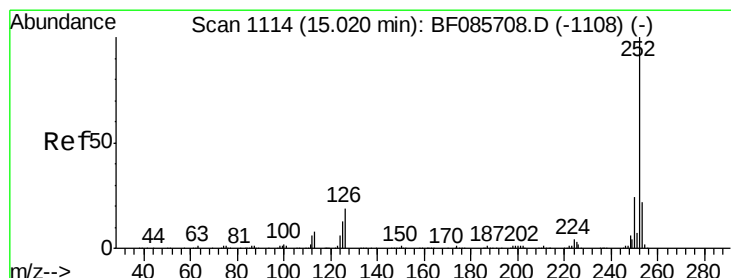
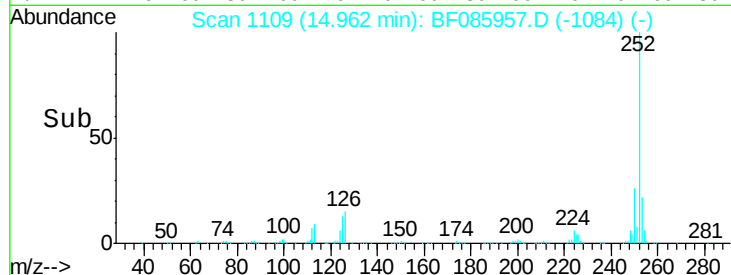
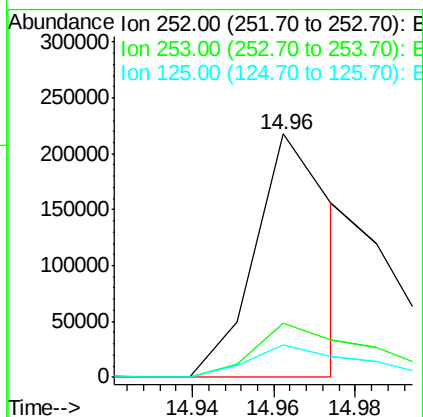
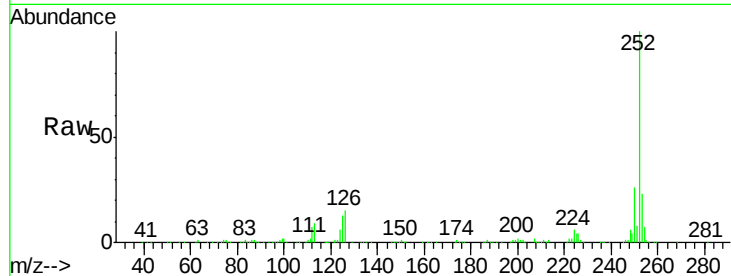
#87
Benzo(b)fluoranthene
Concen: 23.07 ng m
RT: 14.96 min Scan# 1109
Delta R.T. -0.01 min
Lab File: BF085957.D
Acq: 1 Apr 2016 5:29

Instrument :
BNA_F
ClientSampleId :
CLARK-PHASE3-WELL-STOCKPILE

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	289894		
253	22.5	17.6	26.4	
125	13.1	10.3	15.5	

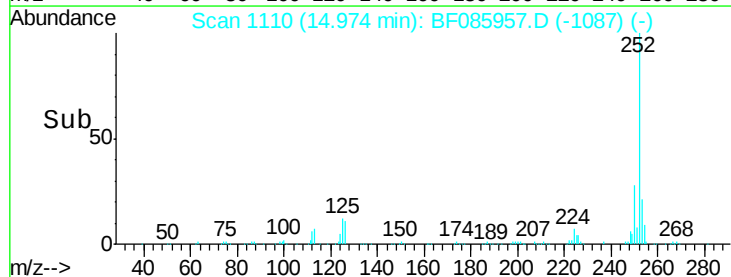
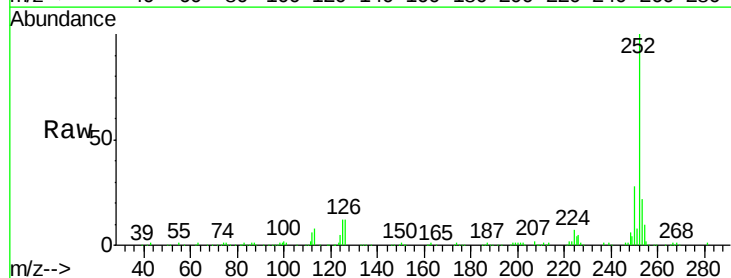
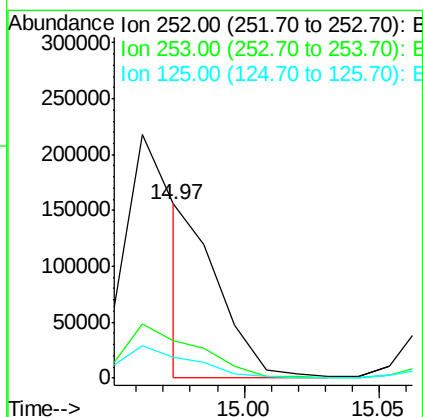
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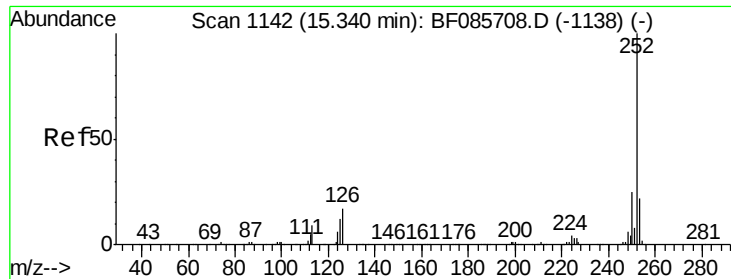
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#88
Benzo(k)fluoranthene
Concen: 10.87 ng m
RT: 14.97 min Scan# 1110
Delta R.T. -0.03 min
Lab File: BF085957.D
Acq: 1 Apr 2016 5:29

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	123098		
253	21.7	17.8	26.6	
125	11.8	7.7	11.5#	





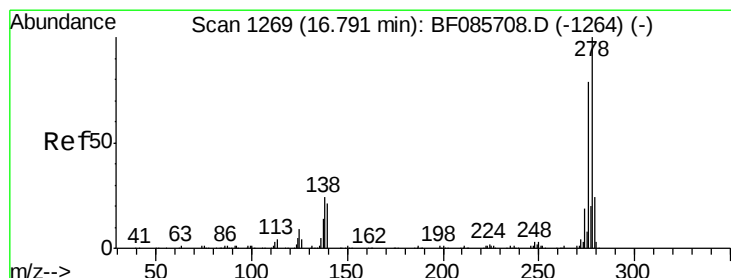
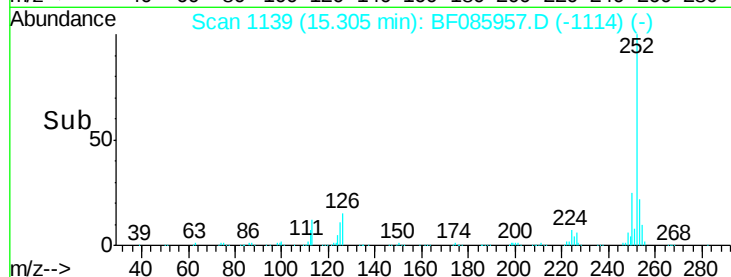
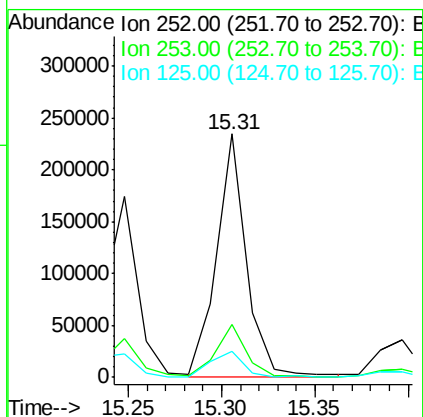
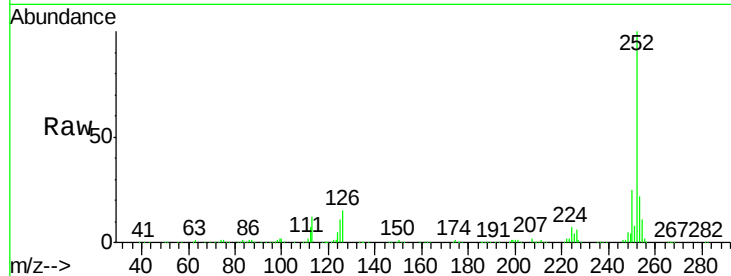
#89
Benzo(a)pyrene
Concen: 23.40 ng
RT: 15.31 min Scan# 1139
Delta R.T. -0.01 min
Lab File: BF085957.D
Acq: 1 Apr 2016 5:29

Instrument :
BNA_F
ClientSampleId :
CLARK-PHASE3-WELL-STOCKPILE

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	21.9	17.4	26.0
125	10.8	10.3	15.5

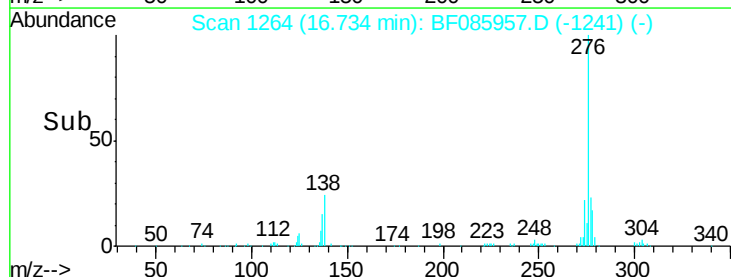
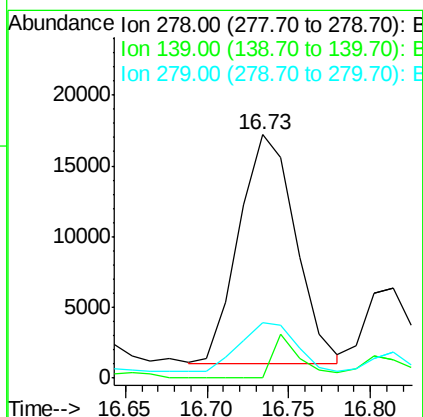
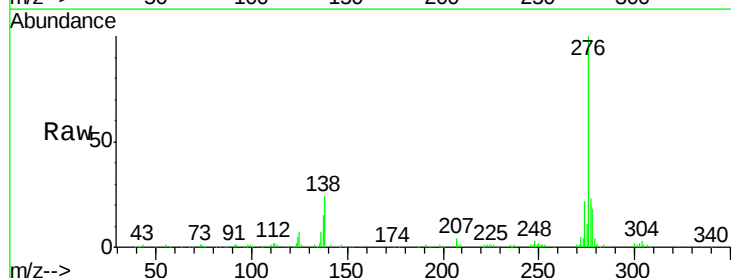
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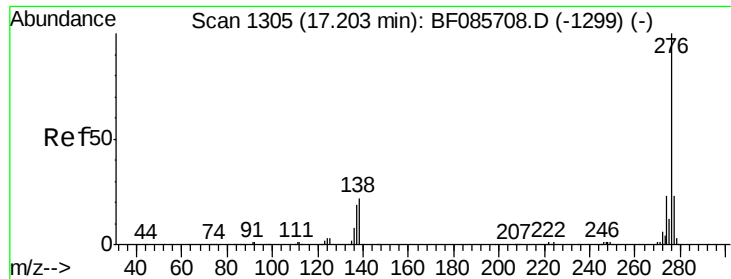
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#90
Dibenzo(a,h)anthracene
Concen: 3.77 ng m
RT: 16.73 min Scan# 1264
Delta R.T. -0.03 min
Lab File: BF085957.D
Acq: 1 Apr 2016 5:29

Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	0.0	14.4	21.6#
279	22.7	19.1	28.7





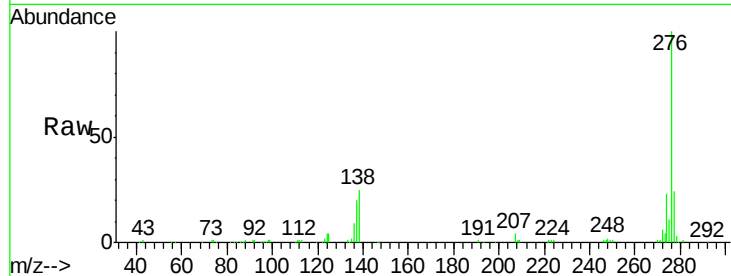
#91
 Benzo(g,h,i)perylene
 Concen: 18.08 ng
 RT: 17.15 min Scan# 1300
 Delta R.T. -0.02 min
 Lab File: BF085957.D
 Acq: 1 Apr 2016 5:29

Instrument :
 BNA_F
 ClientSampleId :
 CLARK-PHASE3-WELL-STOCKPILE

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	23.6	18.8	28.2
138	24.9	22.6	34.0

Manual Integrations
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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

