

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062616\
 Data File : BF088429.D
 Acq On : 26 Jun 2016 20:24
 Operator : UM/SJ
 Sample : H3663-08 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SURFACESOILDUP

Manual Integrations
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Quant Time: Jun 27 18:40:06 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 22 14:55:14 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.55	152	86738	20.00	ng	-0.06
21) Naphthalene-d8	7.84	136	338540	20.00	ng	-0.06
38) Acenaphthene-d10	9.58	164	156697	20.00	ng	-0.07
63) Phenanthrene-d10	11.05	188	266116	20.00	ng	-0.07
75) Chrysene-d12	13.68	240	173711	20.00	ng	-0.07
86) Perylene-d12	15.03	264	175862	20.00	ng	-0.08

System Monitoring Compounds						
5) 2-Fluorophenol	5.13	112	232907	45.90	ng	-0.05
7) Phenol-d6	6.22	99	290354	47.22	ng	-0.05
23) Nitrobenzene-d5	7.12	82	184711	31.86	ng	-0.06
41) 2,4,6-Tribromophenol	10.36	330	62262	37.63	ng	-0.07
44) 2-Fluorobiphenyl	8.91	172	383125	35.16	ng	-0.06
78) Terphenyl-d14	12.63	244	250636	32.83	ng	-0.07

Target Compounds				Qvalue		
31) Naphthalene	7.85	128	46407	2.77	ng	99
49) Dimethylphthalate	9.31	163	137127	12.08	ng	99
51) Acenaphthene	9.61	154	64055	6.37	ng	99
54) Dibenzofuran	9.78	168	34049	2.46	ng	93
70) Phenanthrene	11.07	178	463895	33.22	ng	99
71) Anthracene	11.13	178	139140	9.88	ng	98
72) Carbazole	11.29	167	84944	6.44	ng	99
74) Fluoranthene	12.26	202	696745	47.28	ng	98
77) Pyrene	12.49	202	637202	49.43	ng	99
80) Benzo(a)anthracene	13.67	228	390305	39.43	ng	98
82) Chrysene	13.70	228	307686	33.04	ng	97
85) Indeno(1,2,3-cd)pyrene	16.26	276	247075	28.56	ng	# 100
87) Benzo(b)fluoranthene	14.67	252	480308m	39.19	ng	
88) Benzo(k)fluoranthene	14.69	252	236827m	25.61	ng	
89) Benzo(a)pyrene	14.98	252	391287	39.46	ng	97
90) Dibenzo(a,h)anthracene	16.26	278	48917m	5.31	ng	
91) Benzo(g,h,i)perylene	16.63	276	226763	23.93	ng	96

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

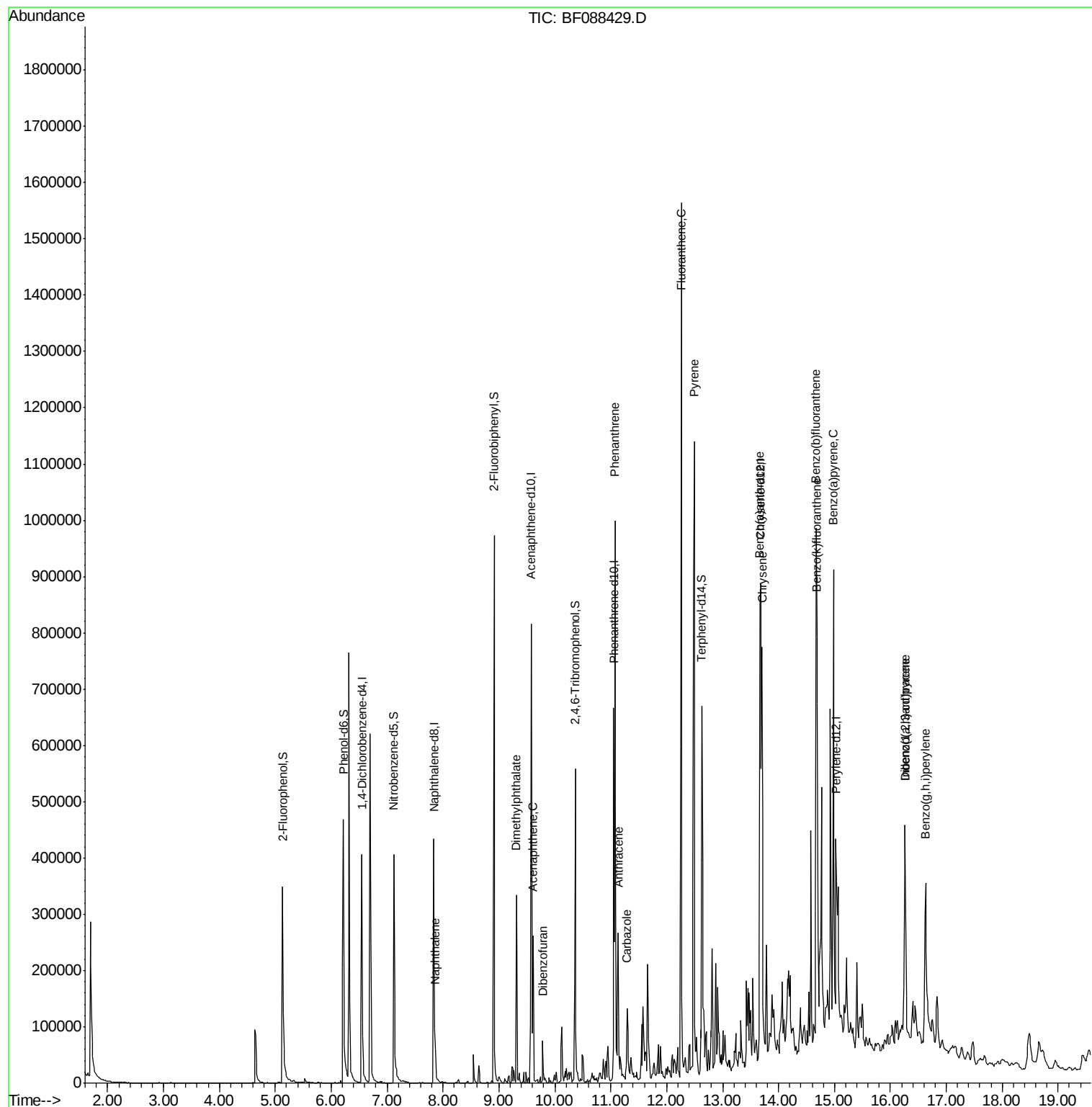
Data Path : Z:\HPCHEM1\BNA F\DATA\BF062616\
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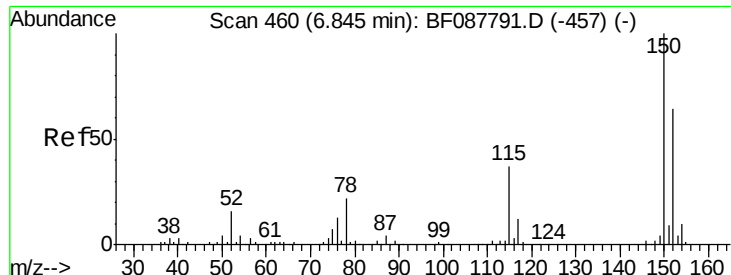
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#1

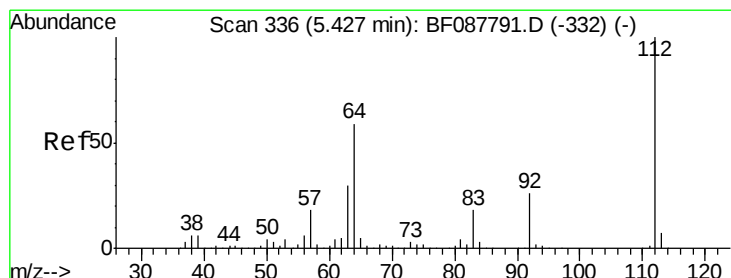
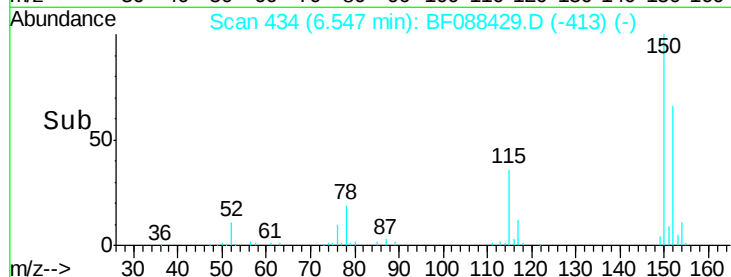
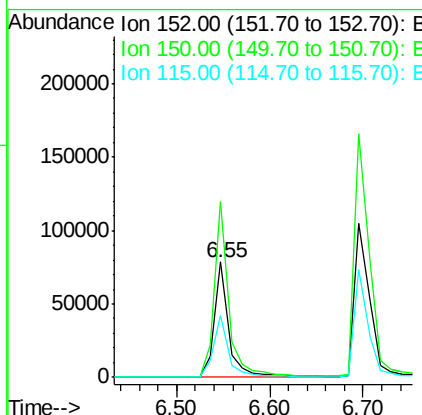
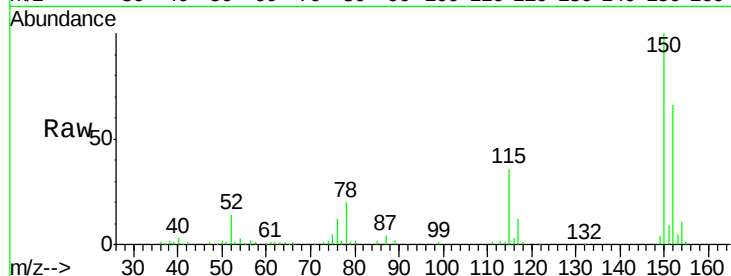
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.55 min Scan# 434
 Delta R.T. -0.06 min
 Lab File: BF088429.D
 Acq: 26 Jun 2016 20:24

Instrument :
 BNA_F
 ClientSampleId :
 SURFACESOILDUP

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.8	123.8	185.6
115	54.1	39.6	59.4

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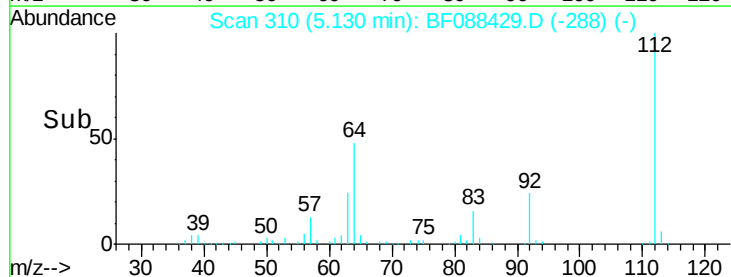
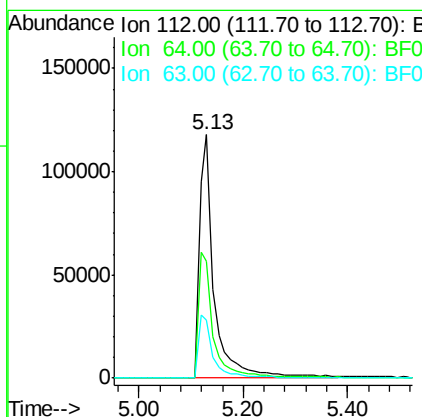
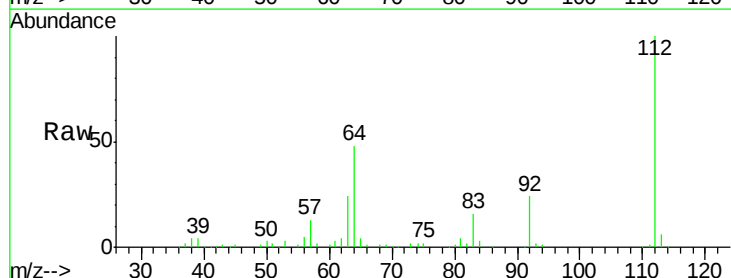
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#5

2-Fluorophenol
 Concen: 45.90 ng
 RT: 5.13 min Scan# 310
 Delta R.T. -0.05 min
 Lab File: BF088429.D
 Acq: 26 Jun 2016 20:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	48.0	42.2	63.2
63	23.9	21.8	32.8





#7

Phenol-d6

Concen: 47.22 ng

RT: 6.22 min Scan# 405

Delta R.T. -0.05 min

Lab File: BF088429.D

Acq: 26 Jun 2016 20:24

Instrument :

BNA_F

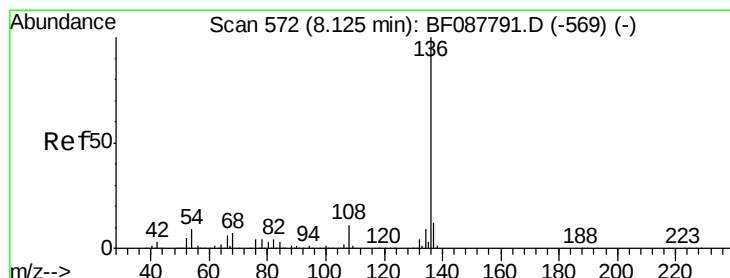
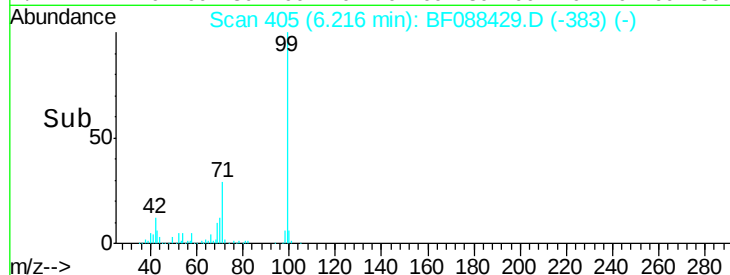
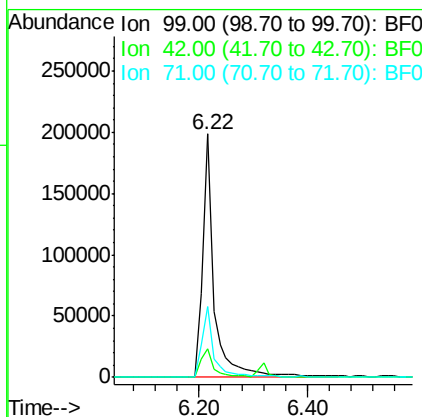
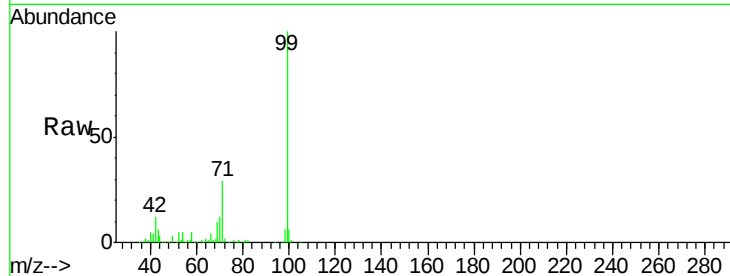
ClientSampleId :

SURFACESOILDUP

Tot Ion:	99	Resp:	290354
Ion Ratio	Lower	Upper	
99	100		
42	11.7	12.2	18.2#
71	28.9	23.4	35.0

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#21

Naphthalene-d8

Concen: 20.00 ng

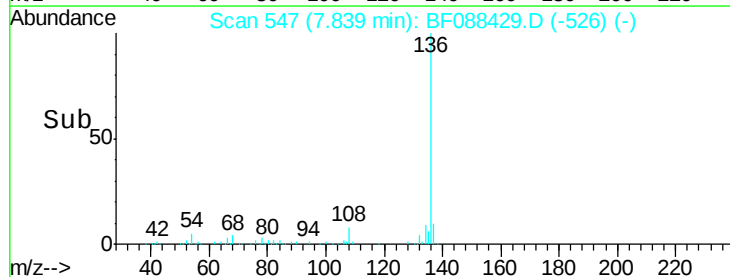
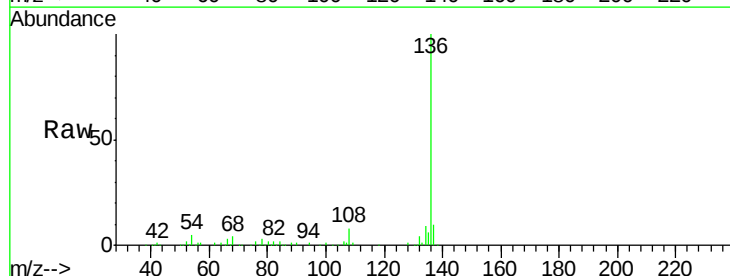
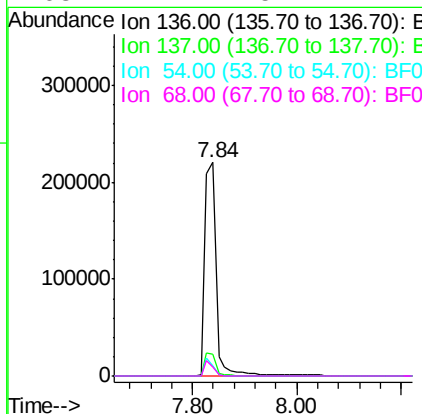
RT: 7.84 min Scan# 547

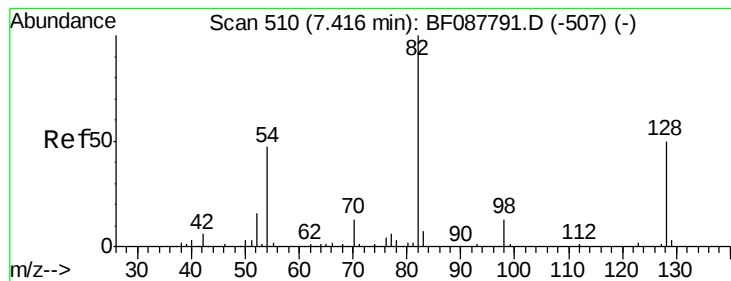
Delta R.T. -0.06 min

Lab File: BF088429.D

Acq: 26 Jun 2016 20:24

Tgt Ion:	136	Resp:	338540
Ion Ratio	Lower	Upper	
136	100		
137	10.4	9.1	13.7
54	4.6	6.6	10.0#
68	4.1	5.1	7.7#





#23

Nitrobenzene-d5

Concen: 31.86 ng

RT: 7.12 min Scan# 484

Delta R.T. -0.06 min

Lab File: BF088429.D

Acq: 26 Jun 2016 20:24

Instrument :

BNA_F

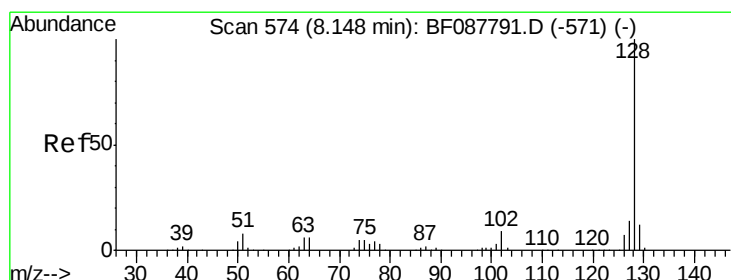
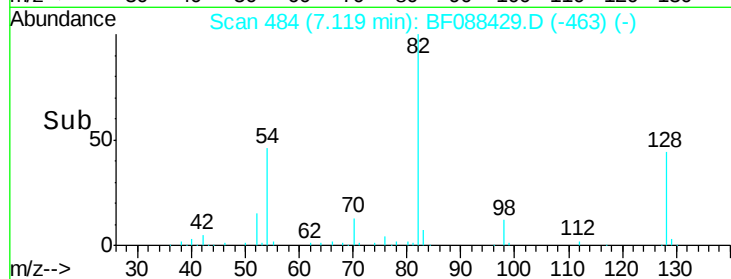
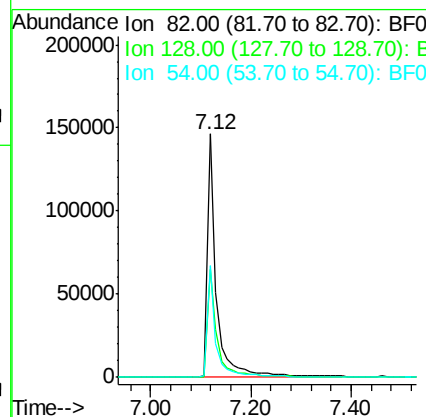
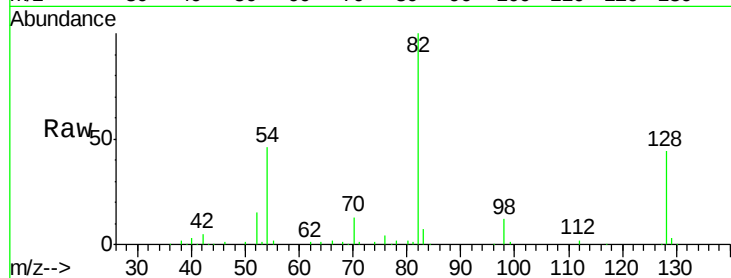
ClientSampleId :

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Tot Ion:	82	Resp:	184711
Ion Ratio	Lower	Upper	
82	100		
128	44.4	35.9	53.9
54	45.8	40.9	61.3

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#31

Naphthalene

Concen: 2.77 ng

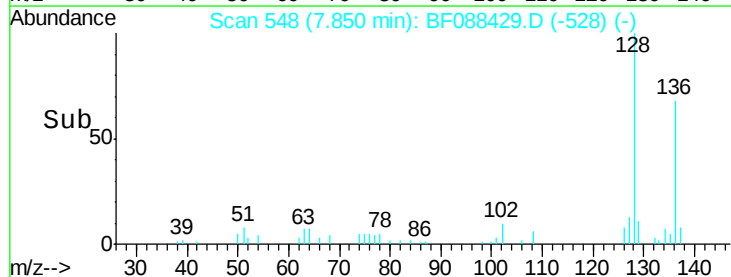
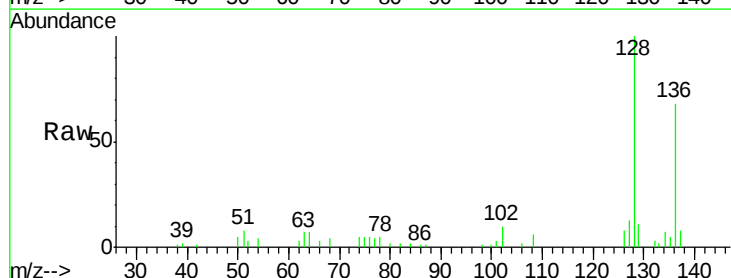
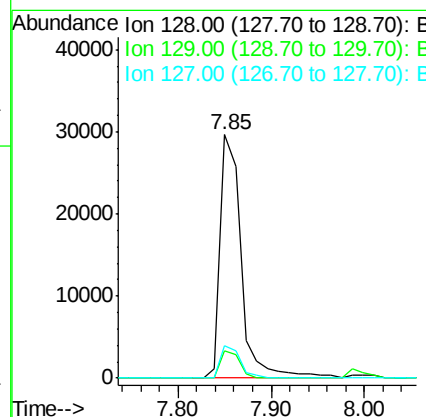
RT: 7.85 min Scan# 548

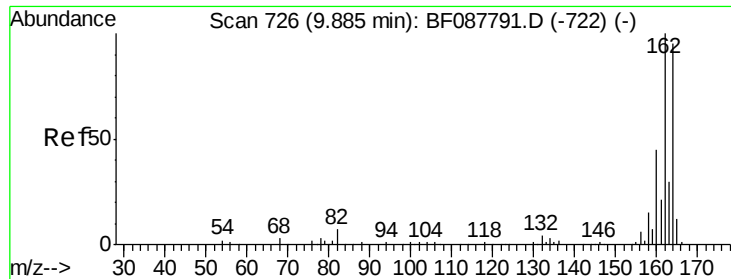
Delta R.T. -0.07 min

Lab File: BF088429.D

Acq: 26 Jun 2016 20:24

Tgt Ion:	128	Resp:	46407
Ion Ratio	Lower	Upper	
128	100		
129	11.0	9.4	14.2
127	13.3	10.9	16.3





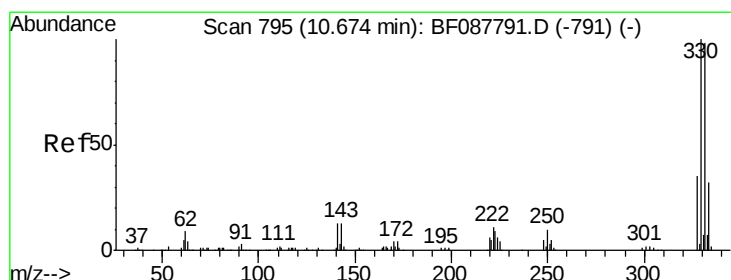
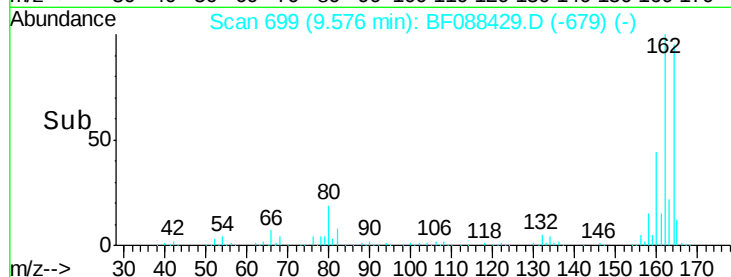
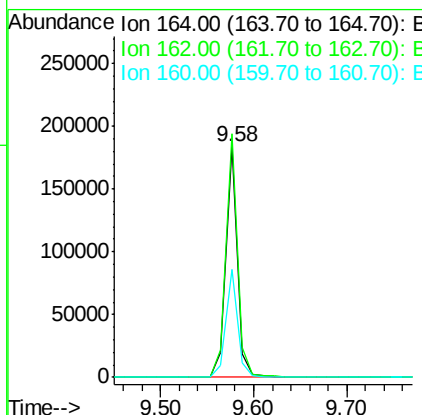
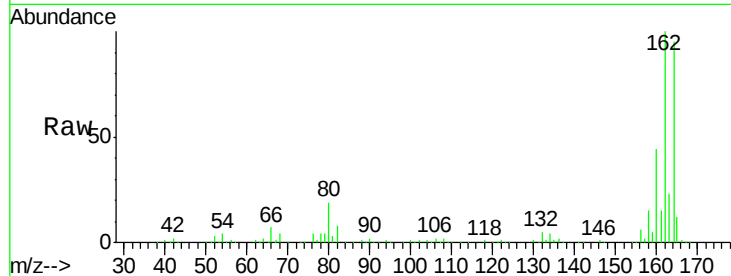
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.58 min Scan# 699
Delta R.T. -0.07 min
Lab File: BF088429.D
Acq: 26 Jun 2016 20:24

Instrument :
BNA_F
ClientSampleId :
SURFACESOILDUP

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	105.6	85.4	128.2	
160	46.7	39.5	59.3	

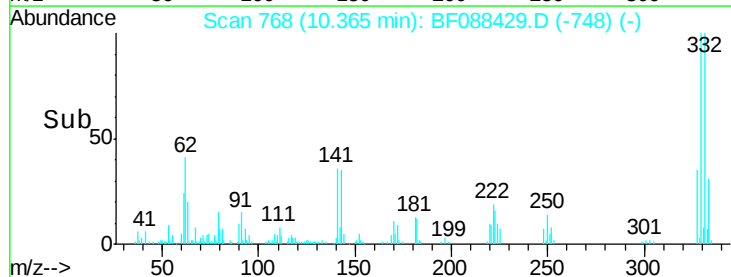
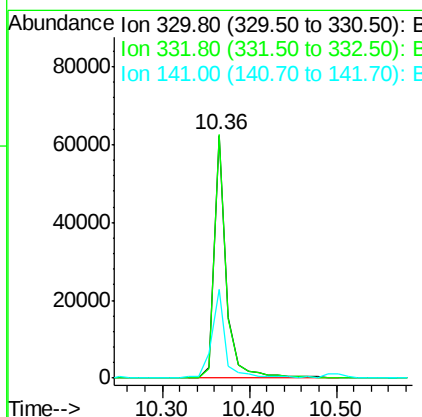
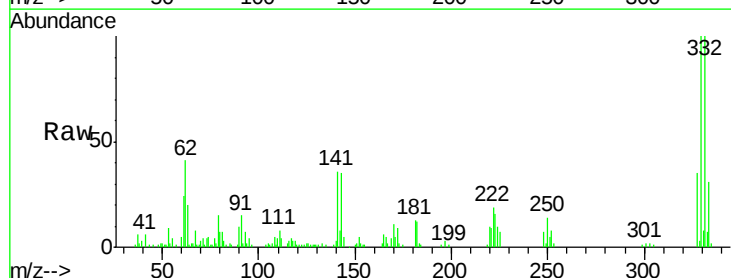
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#41
2,4,6-Tribromophenol
Concen: 37.63 ng
RT: 10.36 min Scan# 768
Delta R.T. -0.07 min
Lab File: BF088429.D
Acq: 26 Jun 2016 20:24

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	98.6	0.0	0.0#	
141	40.3	0.0	0.0#	





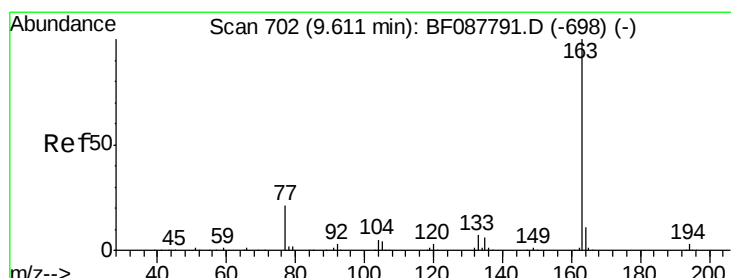
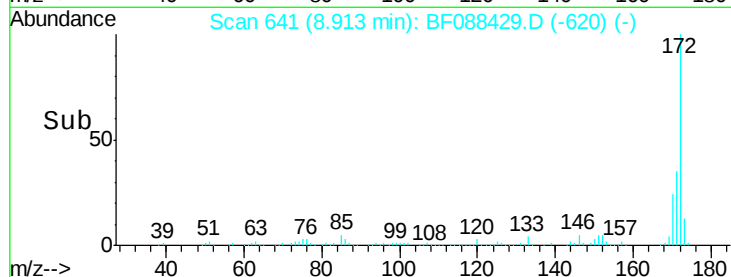
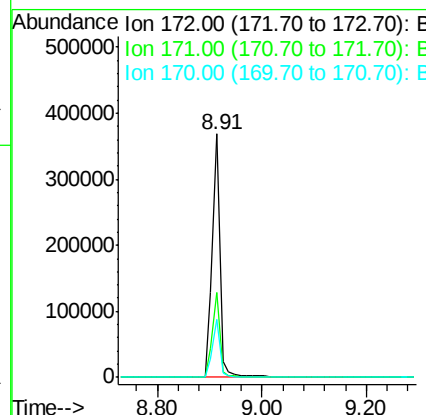
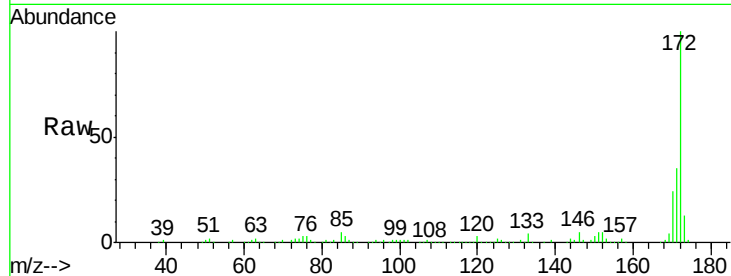
#44
2-Fluorobiphenyl
Concen: 35.16 ng
RT: 8.91 min Scan# 641
Delta R.T. -0.06 min
Lab File: BF088429.D
Acq: 26 Jun 2016 20:24

Instrument :
BNA_F
ClientSampleId :
SURFACESOILDUP

Tot Ion	Ratio	Resp	Lower	Upper
172	100	383125		
171	35.1	28.6	43.0	
170	23.6	19.2	28.8	

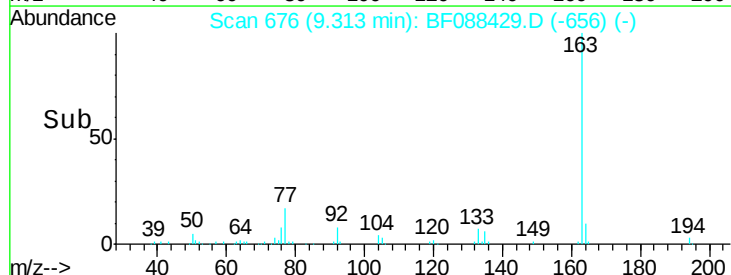
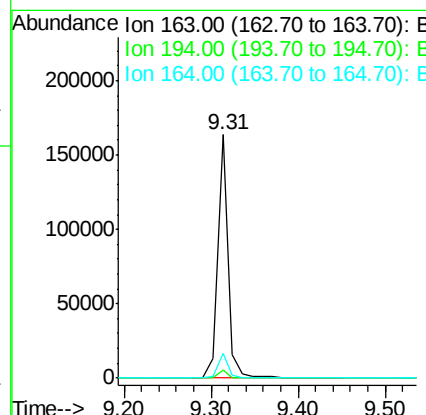
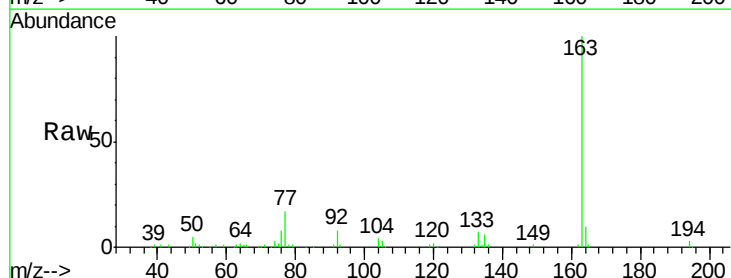
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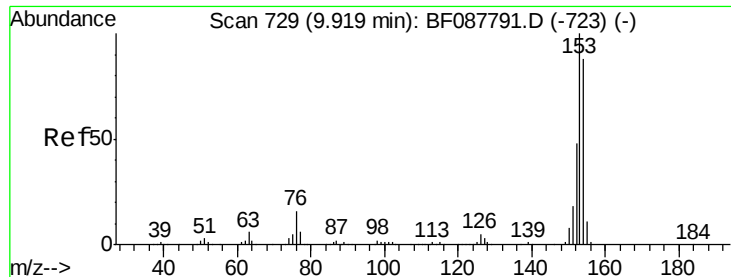
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#49
Dimethylphthalate
Concen: 12.08 ng
RT: 9.31 min Scan# 676
Delta R.T. -0.07 min
Lab File: BF088429.D
Acq: 26 Jun 2016 20:24

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	137127		
194	3.3	2.8	4.2	
164	10.1	8.3	12.5	





#51

Acenaphthene

Concen: 6.37 ng

RT: 9.61 min Scan# 702

Delta R.T. -0.07 min

Lab File: BF088429.D

Acq: 26 Jun 2016 20:24

Instrument :

BNA_F

ClientSampleId :

SURFACESOILDUP

Tot Ion:154 Resp: 64055

Ion Ratio Lower Upper

154 100

153 112.1 89.5 134.3

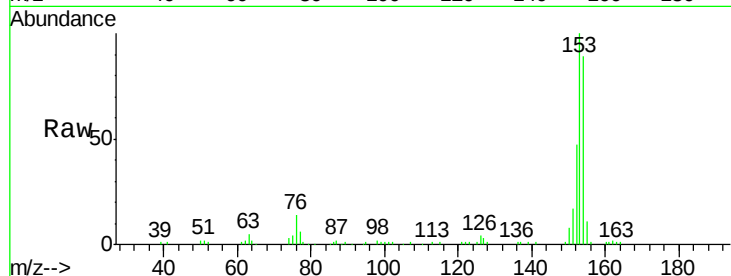
152 52.4 42.7 64.1

Manual Integrations

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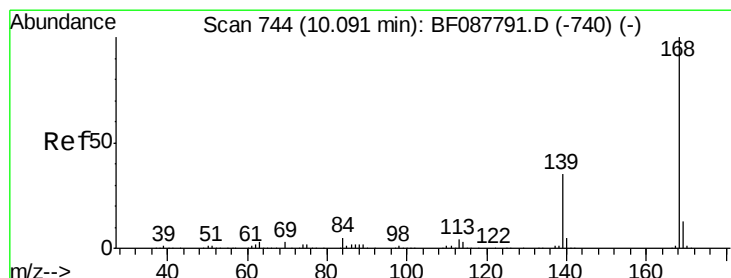
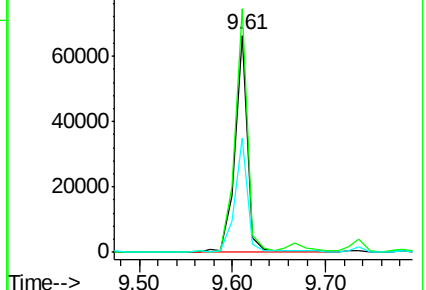
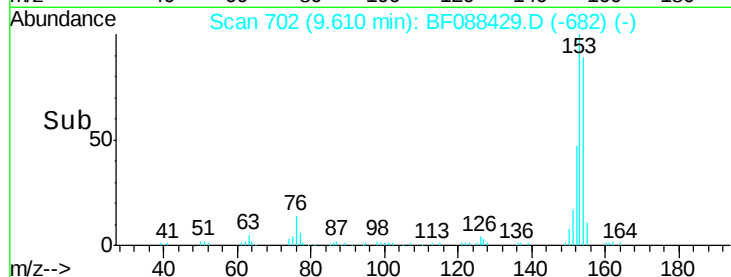
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Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 2.46 ng

RT: 9.78 min Scan# 717

Delta R.T. -0.07 min

Lab File: BF088429.D

Acq: 26 Jun 2016 20:24

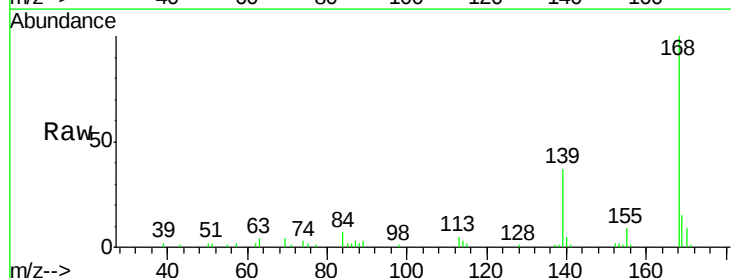
Tgt Ion:168 Resp: 34049

Ion Ratio Lower Upper

168 100

139 37.4 26.4 39.6

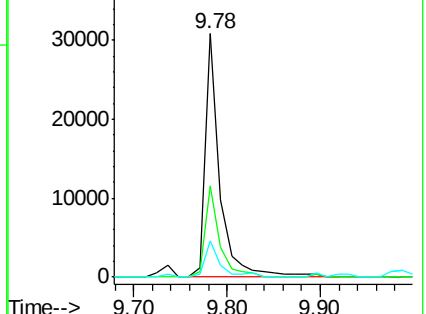
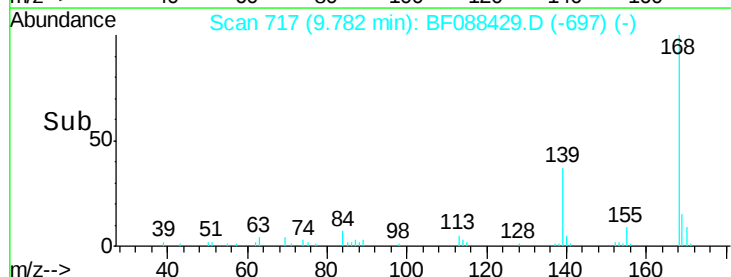
169 14.8 10.4 15.6

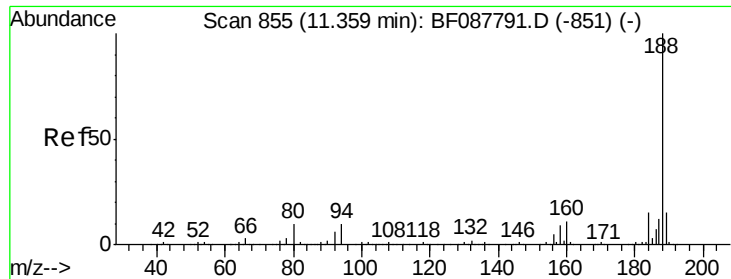


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





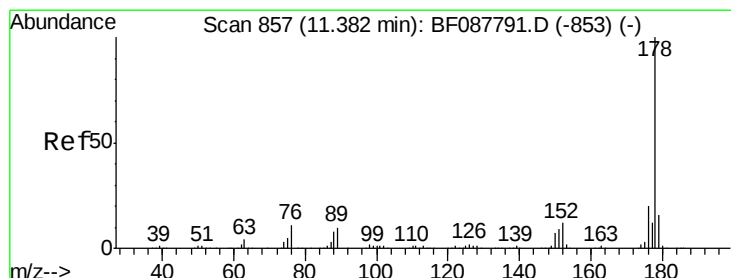
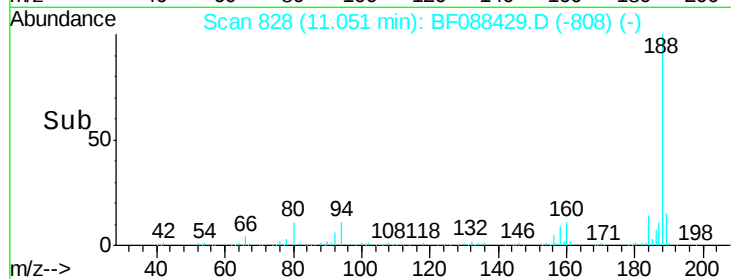
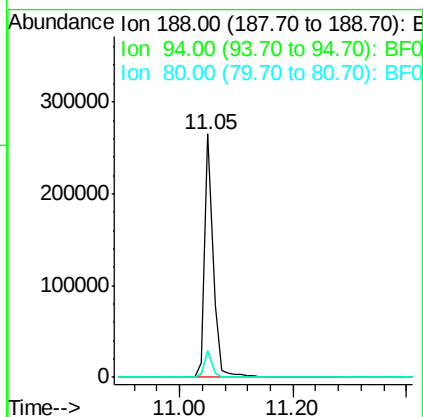
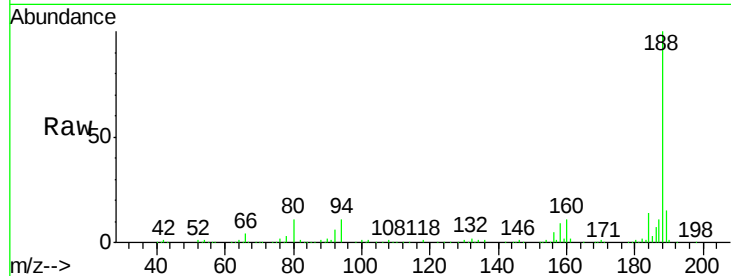
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.05 min Scan# 828
Delta R.T. -0.07 min
Lab File: BF088429.D
Acq: 26 Jun 2016 20:24

Instrument :
BNA_F
ClientSampleId :
SURFACESOILDUP

Tot Ion	Ratio	Resp	Lower	Upper
188	100	266116		
94	10.6		9.0	13.6
80	11.3		10.0	15.0

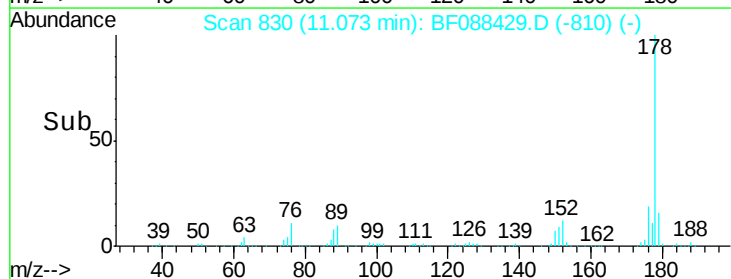
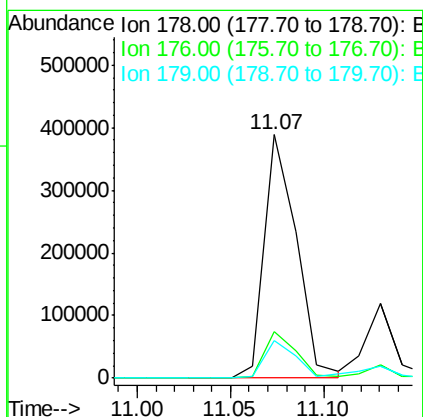
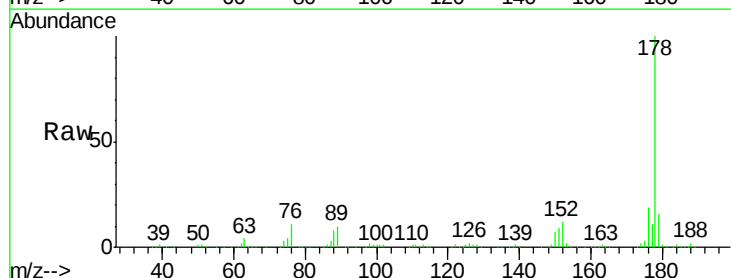
Manual Integrations
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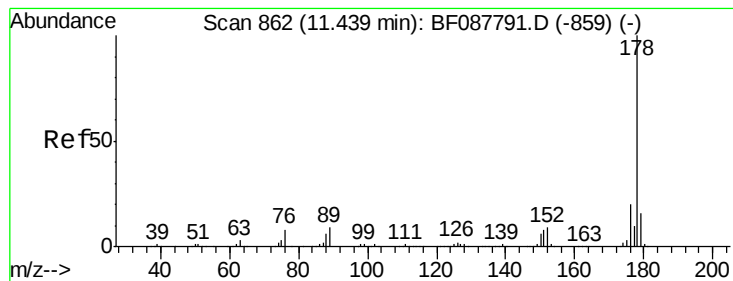
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#70
Phenanthrene
Concen: 33.22 ng
RT: 11.07 min Scan# 830
Delta R.T. -0.07 min
Lab File: BF088429.D
Acq: 26 Jun 2016 20:24

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	463895		
176	19.2		15.8	23.6
179	15.6		13.0	19.4





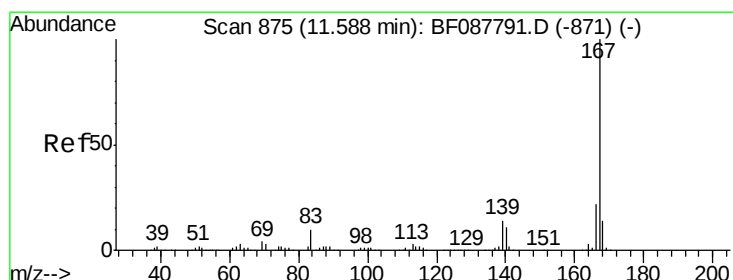
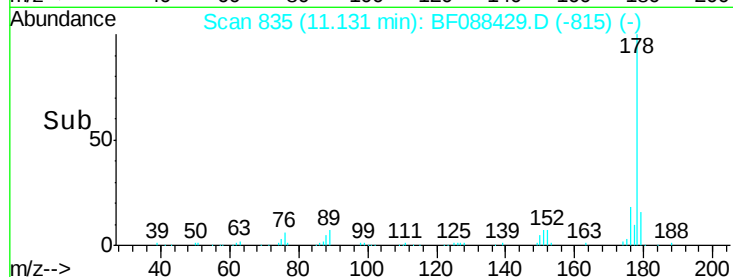
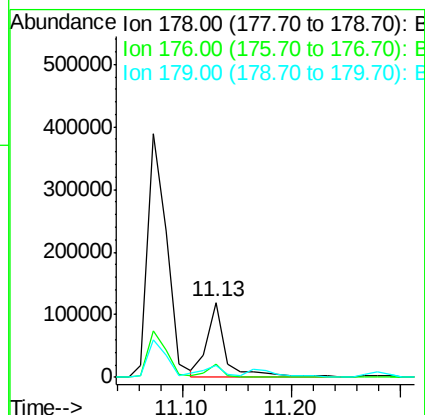
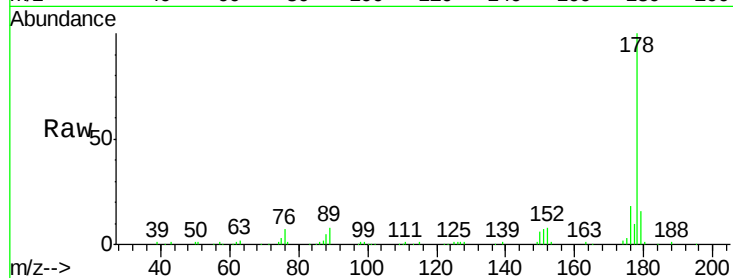
#71
 Anthracene
 Concen: 9.88 ng
 RT: 11.13 min Scan# 835
 Delta R.T. -0.07 min
 Lab File: BF088429.D
 Acq: 26 Jun 2016 20:24

Instrument :
 BNA_F
 ClientSampleId :
 SURFACESOILDUP

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.6	23.4
179	16.2	12.8	19.2

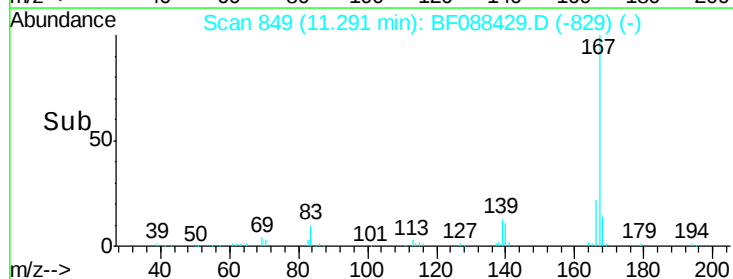
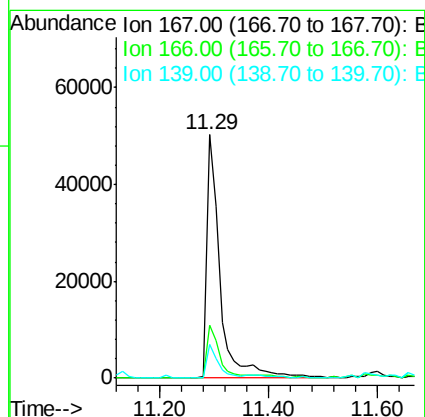
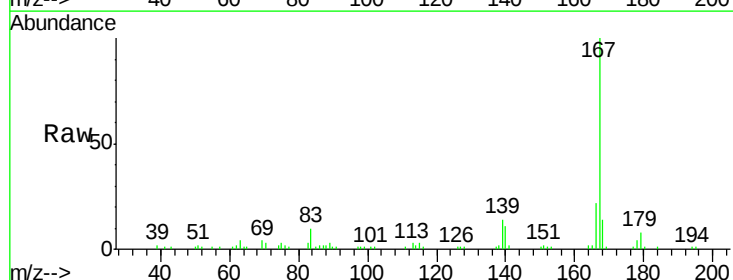
Manual Integrations
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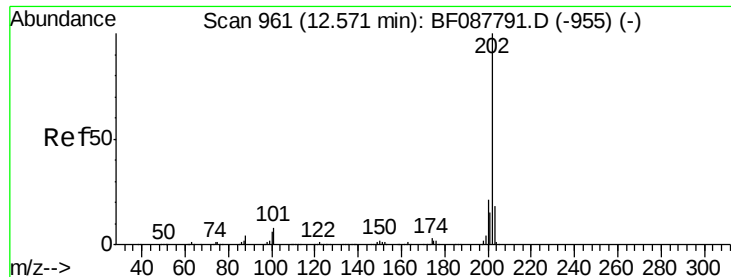
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#72
 Carbazole
 Concen: 6.44 ng
 RT: 11.29 min Scan# 849
 Delta R.T. -0.07 min
 Lab File: BF088429.D
 Acq: 26 Jun 2016 20:24

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.8	26.6
139	13.9	11.2	16.8





#74

Fluoranthene

Concen: 47.28 ng

RT: 12.26 min Scan# 934

Delta R.T. -0.06 min

Lab File: BF088429.D

Acq: 26 Jun 2016 20:24

Instrument :

BNA_F

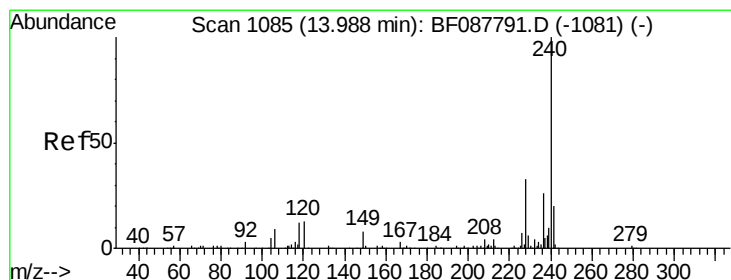
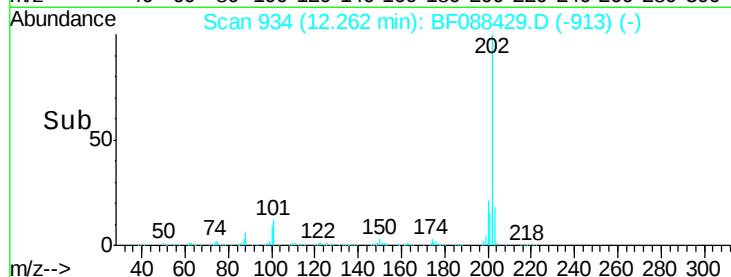
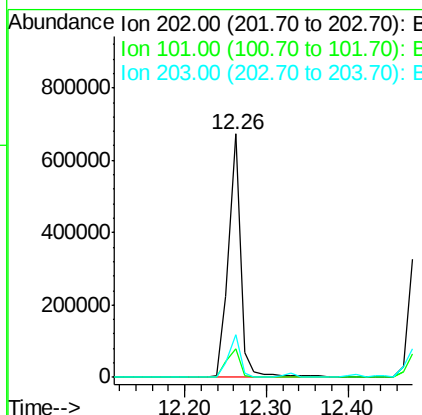
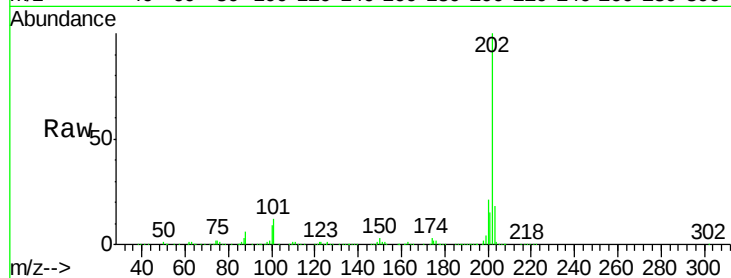
ClientSampleId :

SURFACESOILDUP

Tot Ion:202	Resp:	696745
Ion Ratio	Lower	Upper
202 100		
101 12.0	0.0	33.1
203 17.6	0.0	38.1

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#75

Chrysene-d12

Concen: 20.00 ng

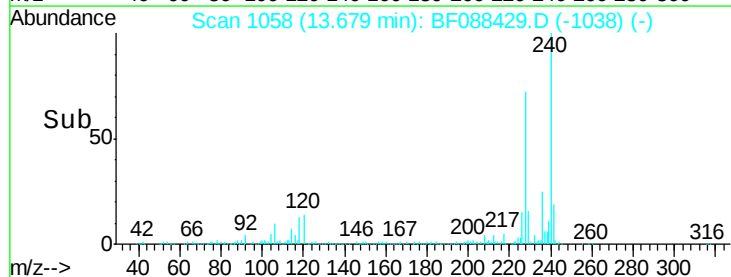
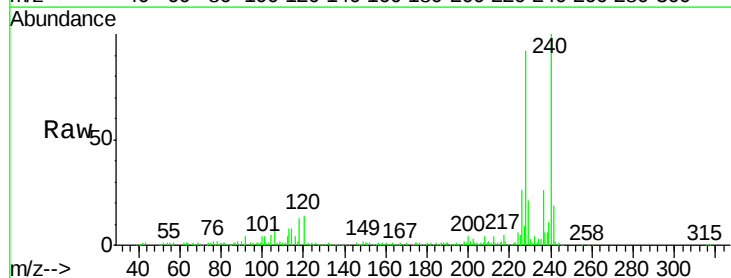
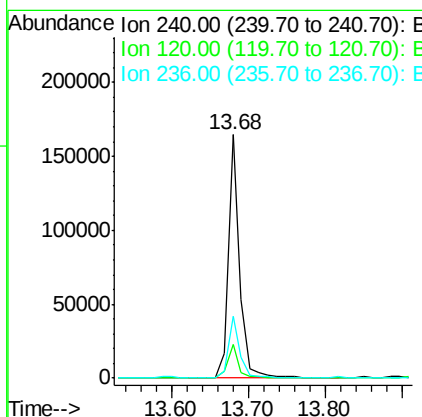
RT: 13.68 min Scan# 1058

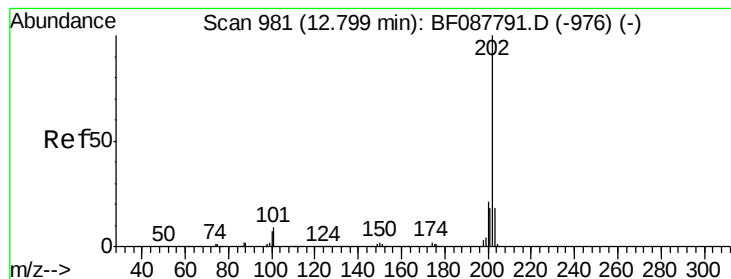
Delta R.T. -0.07 min

Lab File: BF088429.D

Acq: 26 Jun 2016 20:24

Tgt Ion:240	Resp:	173711
Ion Ratio	Lower	Upper
240 100		
120 14.0	6.8	10.2#
236 25.6	20.2	30.2





#77

Pvrene

Concen: 49.43 ng

RT: 12.49 min Scan# 954

Delta R.T. -0.06 min

Lab File: BF088429.D

Acq: 26 Jun 2016 20:24

Instrument :

BNA_F

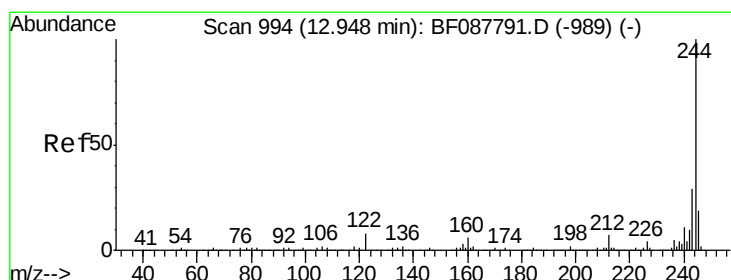
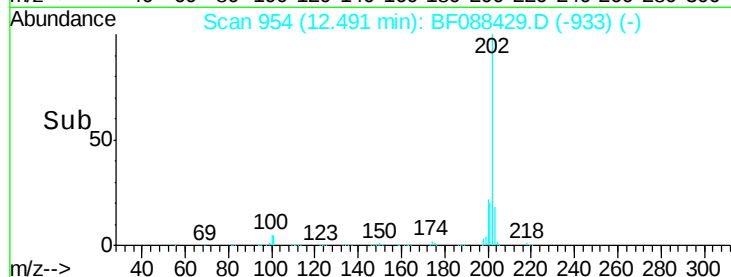
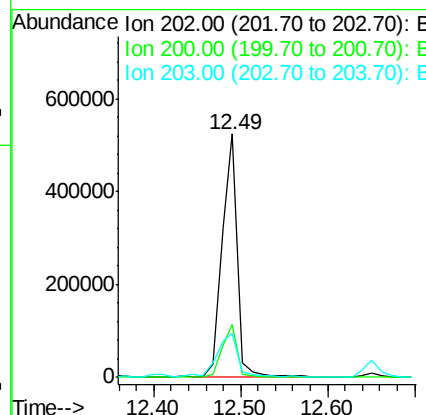
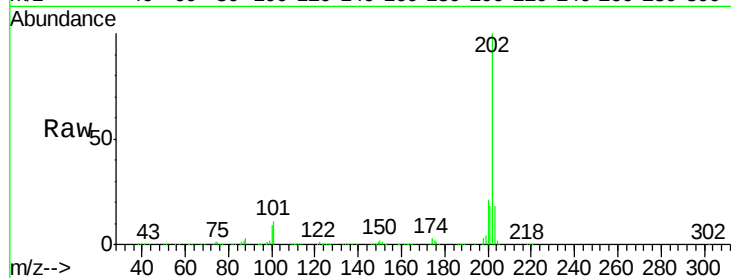
ClientSampleId :

SURFACESOILDUP

Tot Ion:	202	Resp:	637202
Ion Ratio	Lower	Upper	
202	100		
200	21.5	17.4	26.2
203	17.9	14.5	21.7

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#78

Terphenyl-d14

Concen: 32.83 ng

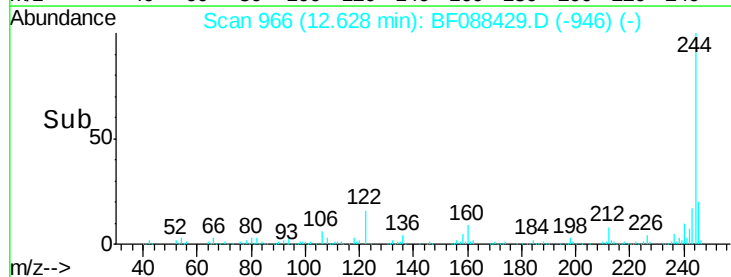
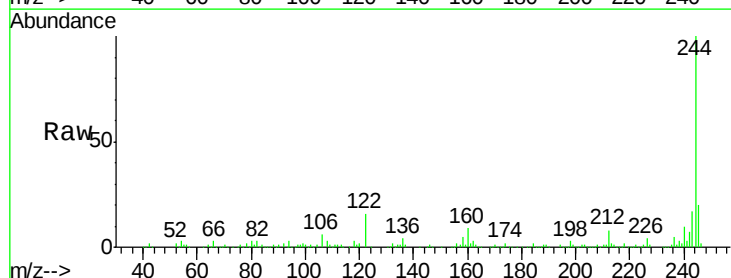
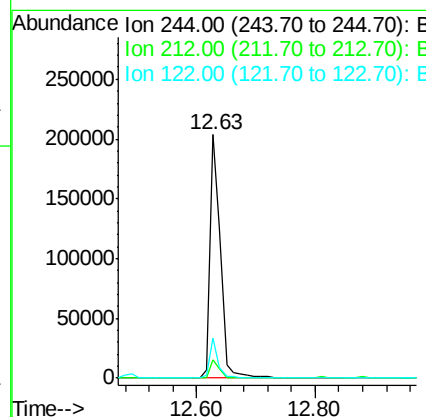
RT: 12.63 min Scan# 966

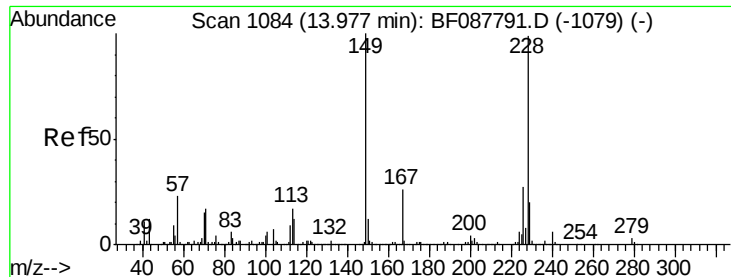
Delta R.T. -0.07 min

Lab File: BF088429.D

Acq: 26 Jun 2016 20:24

Tgt Ion:	244	Resp:	250636
Ion Ratio	Lower	Upper	
244	100		
212	7.5	6.0	9.0
122	16.3	11.2	16.8





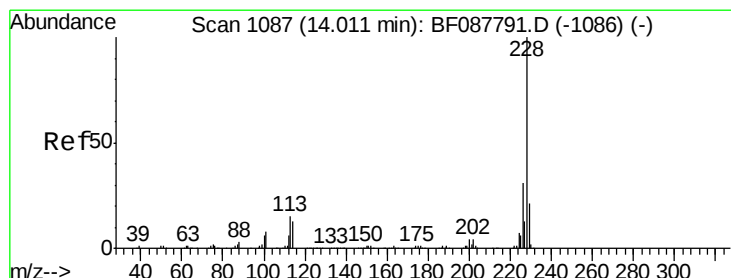
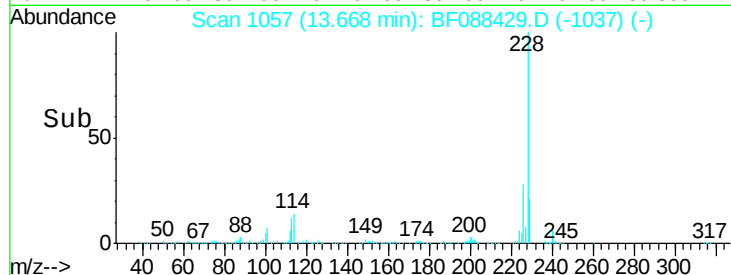
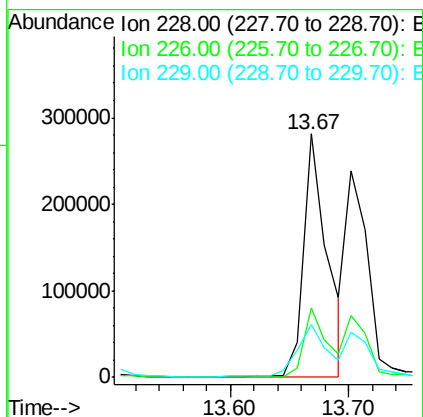
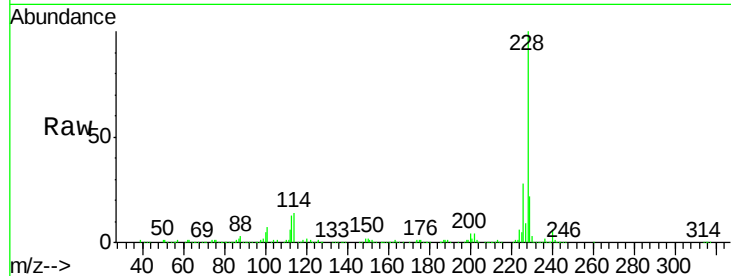
#80
Benzo(a)anthracene
Concen: 39.43 ng
RT: 13.67 min Scan# 1057
Delta R.T. -0.07 min
Lab File: BF088429.D
Acq: 26 Jun 2016 20:24

Instrument :
BNA_F
ClientSampleId :
SURFACESOILDUP

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.3	33.5
229	21.9	16.0	24.0

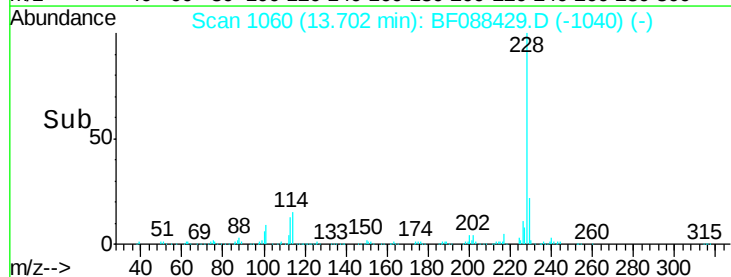
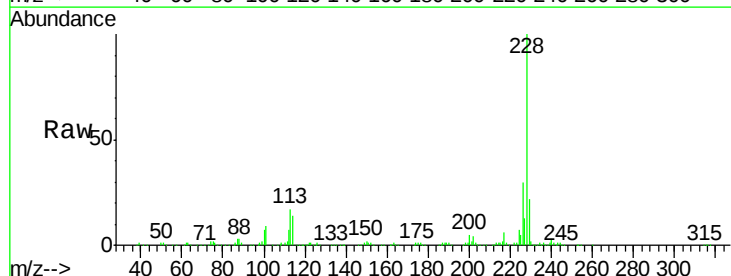
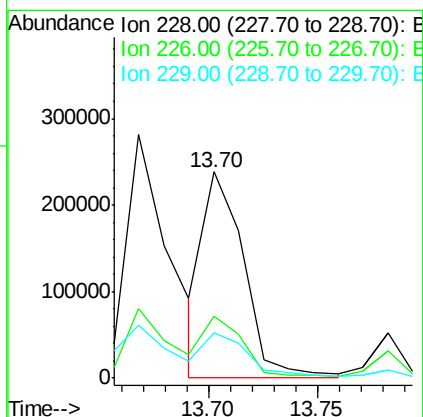
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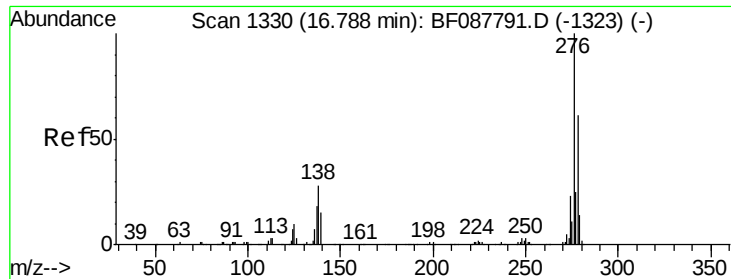
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#82
Chrysene
Concen: 33.04 ng
RT: 13.70 min Scan# 1060
Delta R.T. -0.07 min
Lab File: BF088429.D
Acq: 26 Jun 2016 20:24

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.4	38.2
229	21.7	16.3	24.5





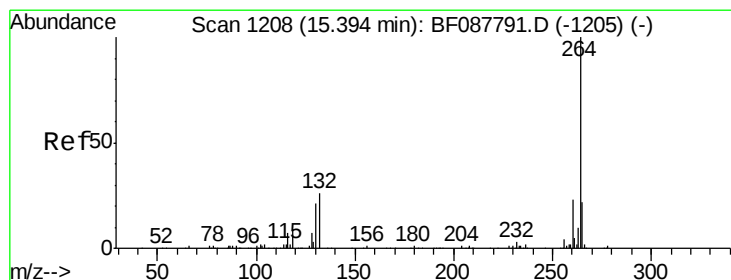
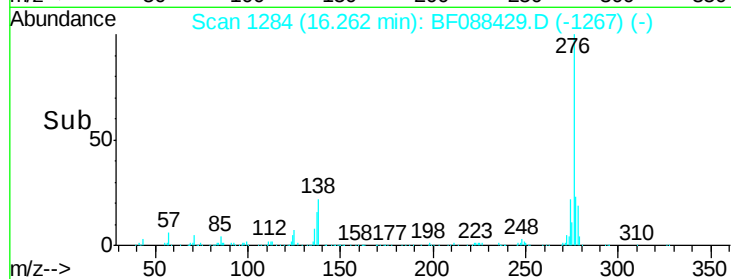
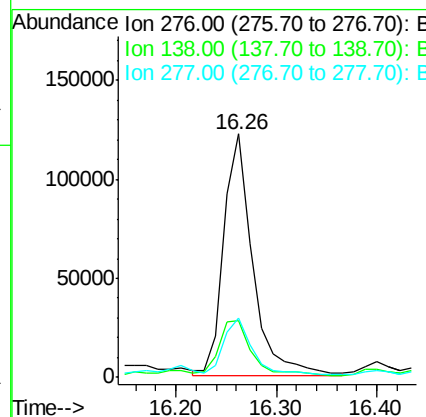
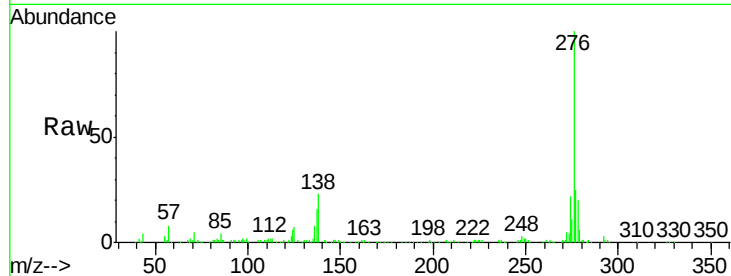
#85
Indeno(1,2,3-cd)pyrene
Concen: 28.56 ng
RT: 16.26 min Scan# 1284
Delta R.T. -0.10 min
Lab File: BF088429.D
Acq: 26 Jun 2016 20:24

Instrument :
BNA_F
ClientSampleId :
SURFACESOILDUP

Tot Ion	Ratio	Resp Lower	Upper
276	100		
138	28.0	0.0	0.0#
277	22.4	0.0	0.0#

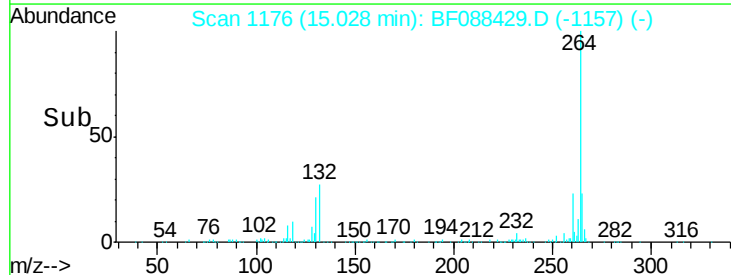
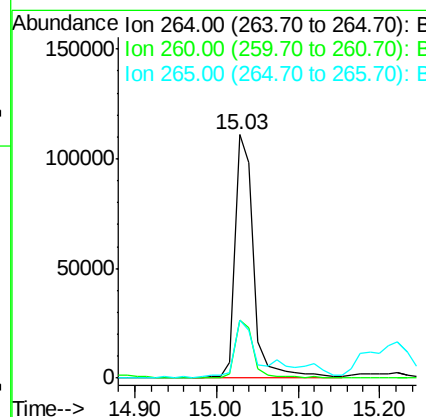
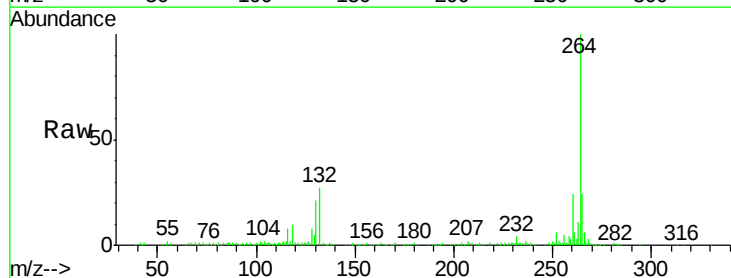
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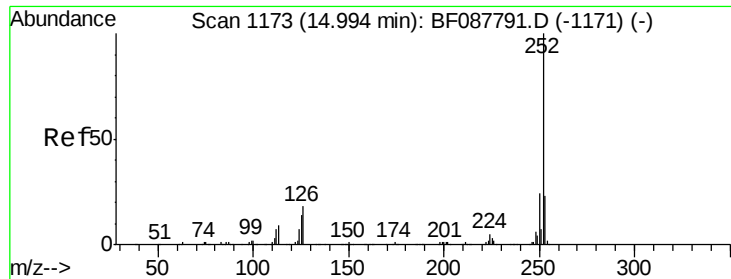
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.03 min Scan# 1176
Delta R.T. -0.08 min
Lab File: BF088429.D
Acq: 26 Jun 2016 20:24

Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	23.9	19.2	28.8
265	23.7	16.9	25.3





#87

Benzo(b)fluoranthene

Concen: 39.19 ng m

RT: 14.67 min Scan# 1145

Delta R.T. -0.07 min

Lab File: BF088429.D

Acq: 26 Jun 2016 20:24

Instrument :

BNA_F

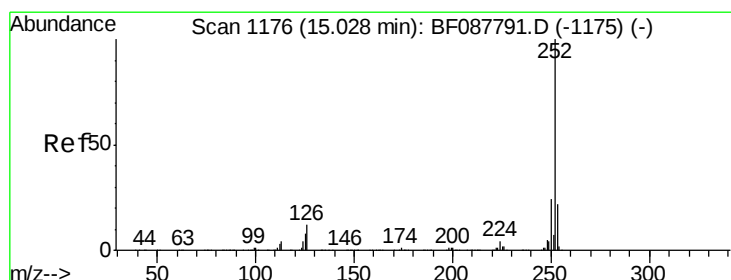
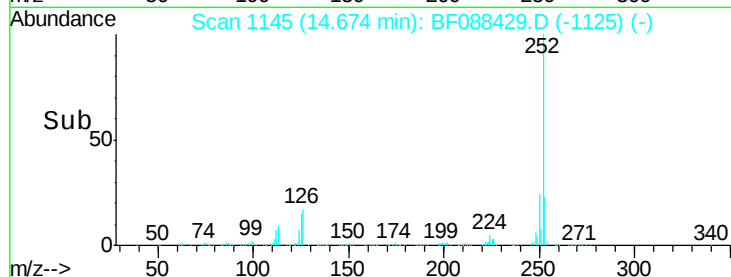
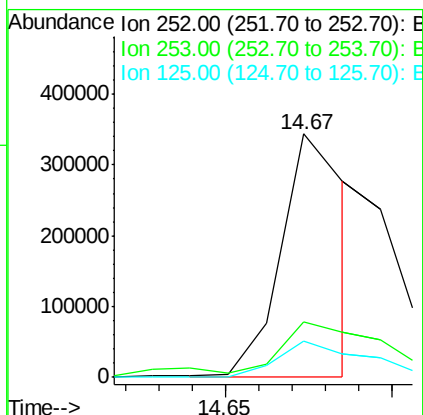
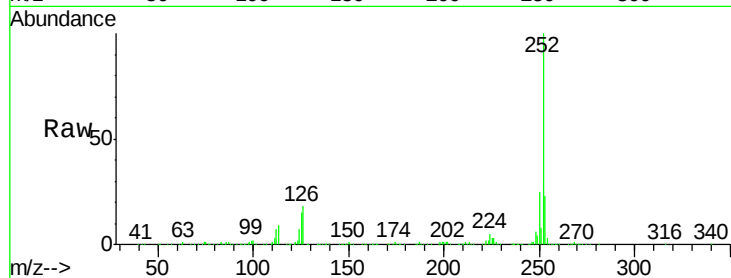
ClientSampleId :

SURFACESOILDUP

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.4	26.2
125	14.9	7.1	10.7

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#88

Benzo(k)fluoranthene

Concen: 25.61 ng m

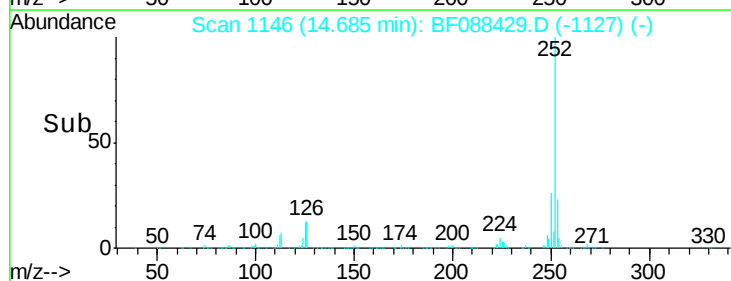
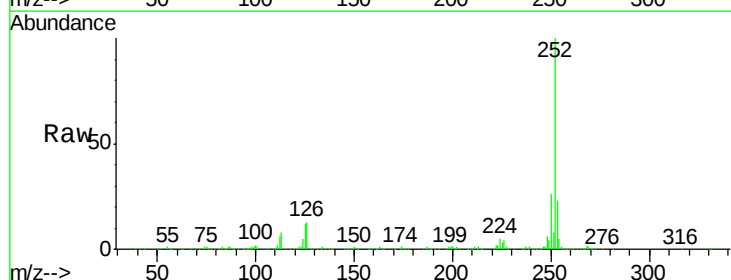
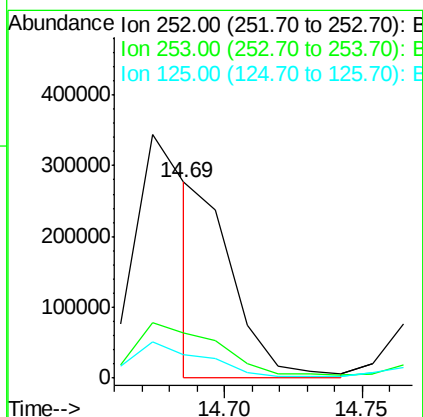
RT: 14.69 min Scan# 1146

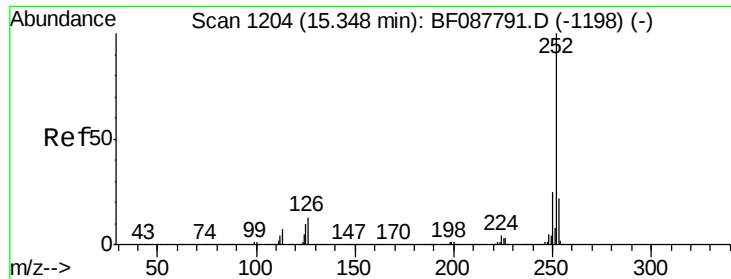
Delta R.T. -0.08 min

Lab File: BF088429.D

Acq: 26 Jun 2016 20:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.0	27.0
125	12.2	11.2	16.8





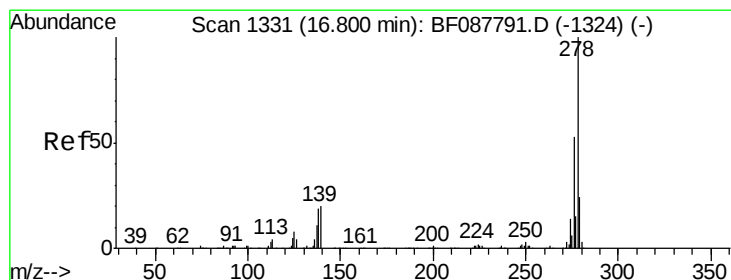
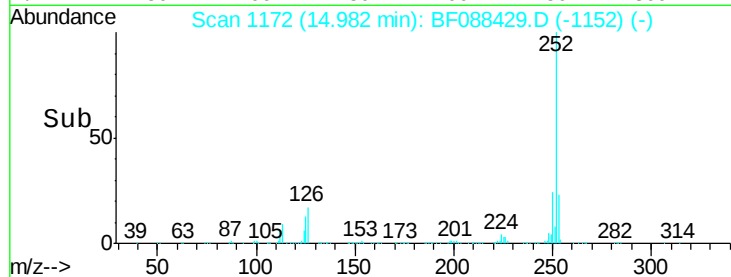
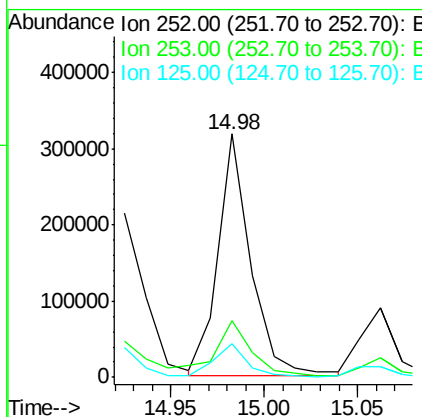
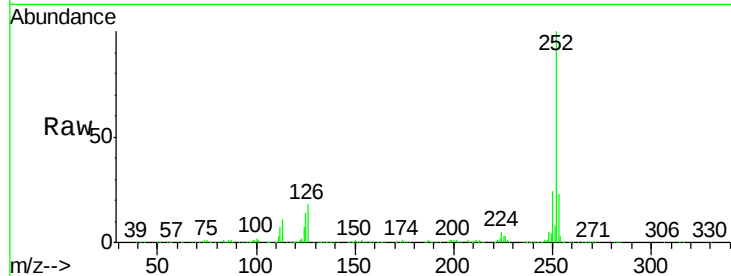
#89
Benzo(a)pyrene
Concen: 39.46 ng
RT: 14.98 min Scan# 1172
Delta R.T. -0.07 min
Lab File: BF088429.D
Acq: 26 Jun 2016 20:24

Instrument :
BNA_F
ClientSampleId :
SURFACESOILDUP

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.9	26.9
125	14.0	12.5	18.7

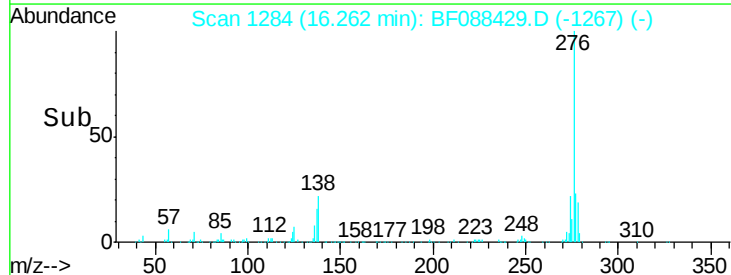
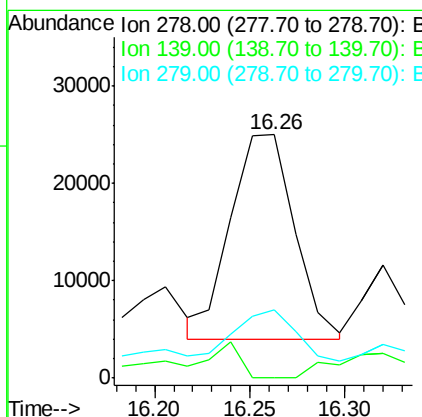
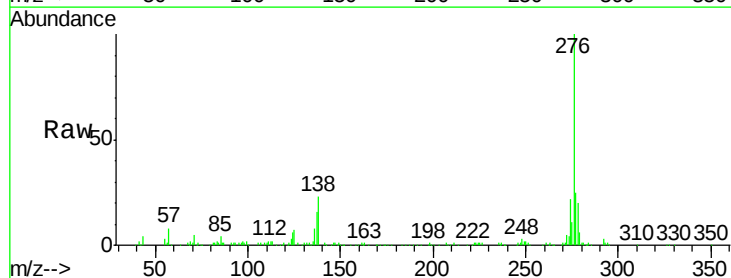
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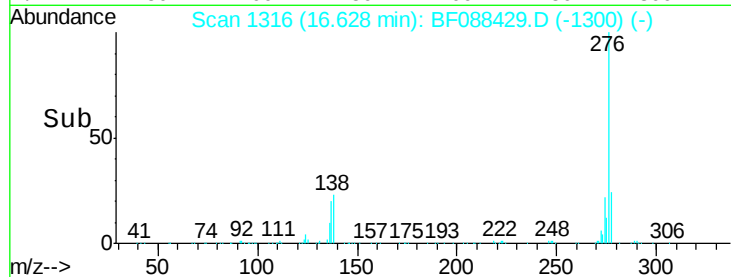
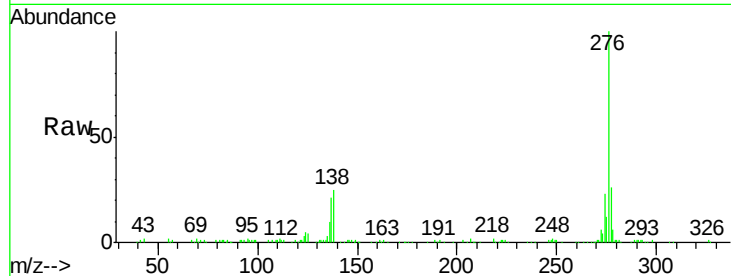
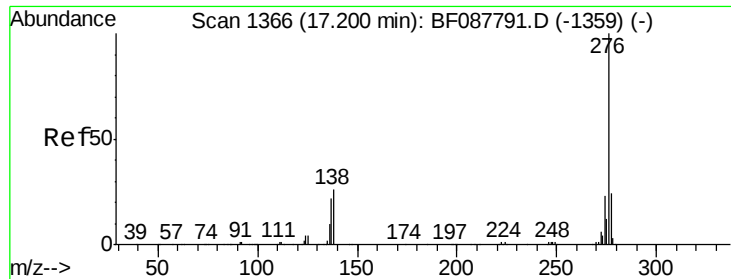
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#90
Dibenzo(a,h)anthracene
Concen: 5.31 ng m
RT: 16.26 min Scan# 1284
Delta R.T. -0.10 min
Lab File: BF088429.D
Acq: 26 Jun 2016 20:24

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.7	23.5#
279	28.1	19.4	29.2





#91

Benzo(a,h,i)perylene

Concen: 23.93 ng

RT: 16.63 min Scan# 1316

Delta R.T. -0.11 min

Lab File: BF088429.D

Acq: 26 Jun 2016 20:24

Tot Ion:	276	Resp:	226763
Ion Ratio	Lower	Upper	
276	100		
277	25.7	18.9	28.3
138	25.1	21.4	32.2

Instrument :

BNA_F

ClientSampleId :

SURFACESOILDUP

Manual Integrations
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