

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101317\
 Data File : BF099442.D
 Acq On : 13 Oct 2017 16:30
 Operator : SJ/JU
 Sample : I5780-05 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DUCT-BANK-1-8-COMP

Manual Integrations
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Quant Time: Oct 13 17:52:42 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 13 17:40:59 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	97146	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	379356	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	149495	20.00	ng	0.00
63) Phenanthrene-d10	11.37	188	216872	20.00	ng	0.00
75) Chrysene-d12	14.02	240	182862	20.00	ng	0.00
86) Perylene-d12	15.49	264	215291	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	67678	11.09	ng	0.00
7) Phenol-d6	6.48	99	79813	10.60	ng	-0.01
23) Nitrobenzene-d5	7.42	82	44923	7.59	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	10235	8.37	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	77367	8.64	ng	0.00
78) Terphenyl-d14	12.95	244	43845	5.45	ng	-0.01
Target Compounds						
70) Phenanthrene	11.40	178	217688	18.75	ng	Qvalue 98
71) Anthracene	11.45	178	53324	4.49	ng	99
74) Fluoranthene	12.59	202	326039	27.74	ng	97
77) Pyrene	12.82	202	300846	21.58	ng	99
80) Benzo(a)anthracene	14.00	228	161031	14.54	ng	99
82) Chrysene	14.04	228	149372	14.17	ng	97
85) Indeno(1,2,3-cd)pyrene	16.97	276	94339	11.19	ng	99
87) Benzo(b)fluoranthene	15.06	252	217602m	16.44	ng	
88) Benzo(k)fluoranthene	15.09	252	56054m	4.29	ng	
89) Benzo(a)pyrene	15.43	252	149886	12.34	ng	97
90) Dibenzo(a,h)anthracene	16.97	278	25154	2.59	ng	# 86
91) Benzo(g,h,i)perylene	17.42	276	92221	9.59	ng	96

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

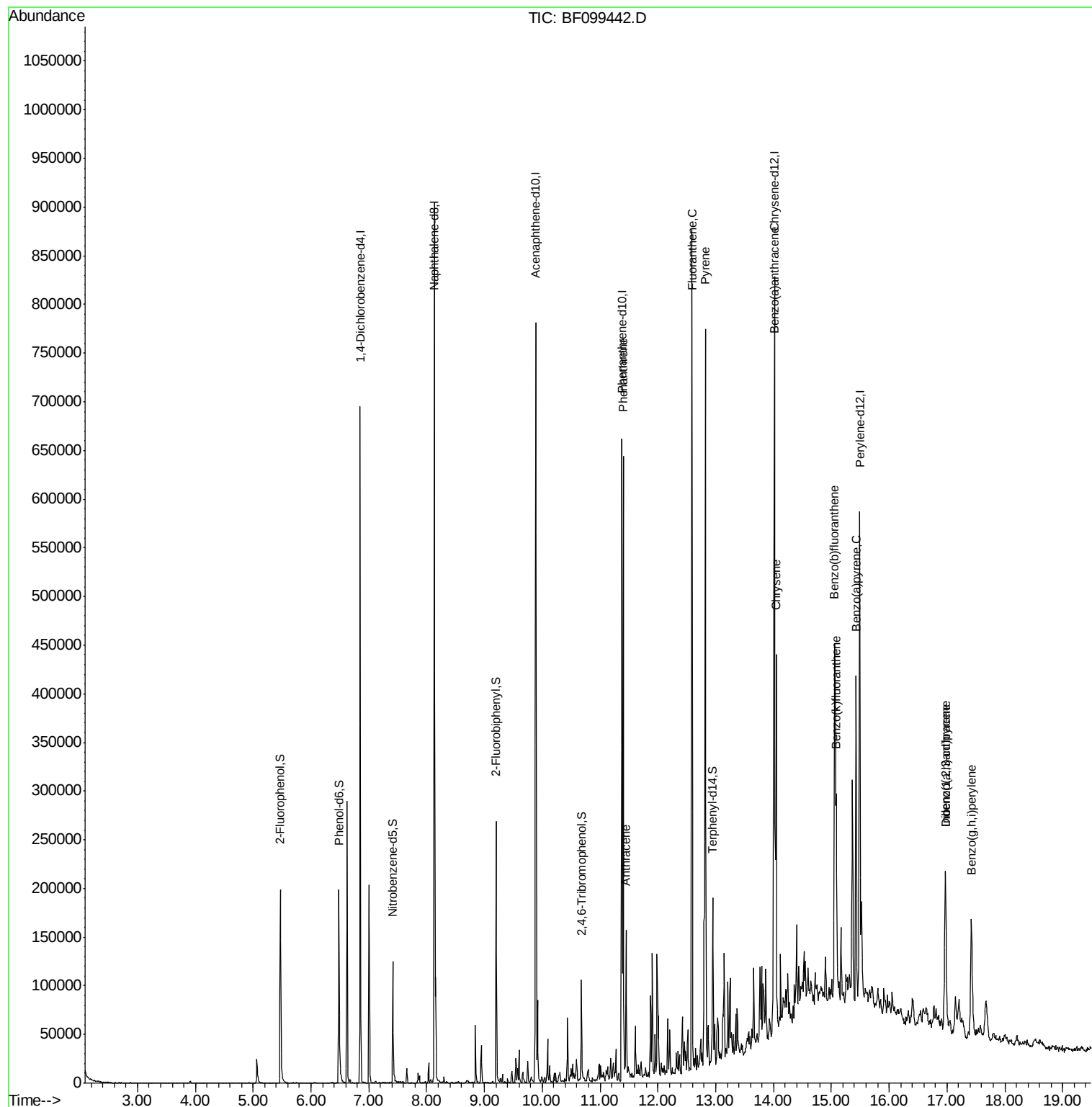
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101317\
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DUCT-BANK-1-8-COMP

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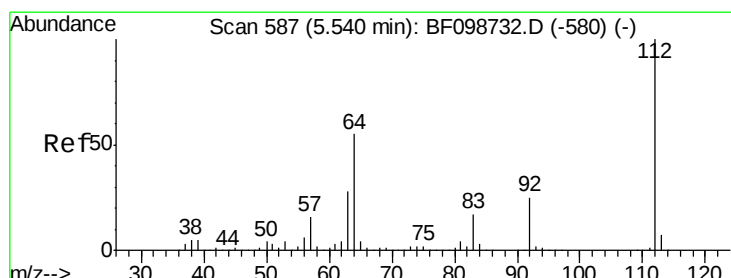
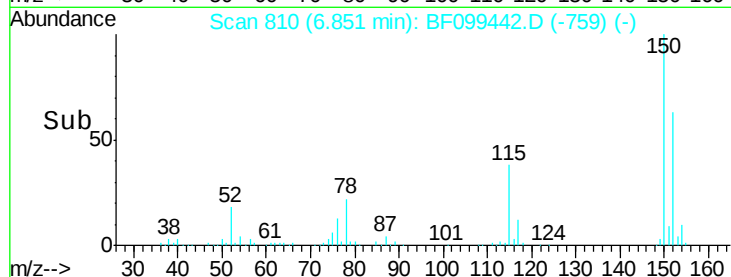
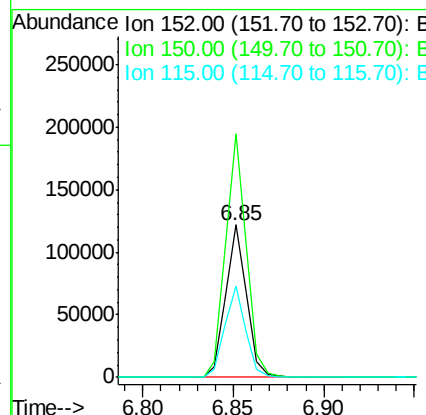
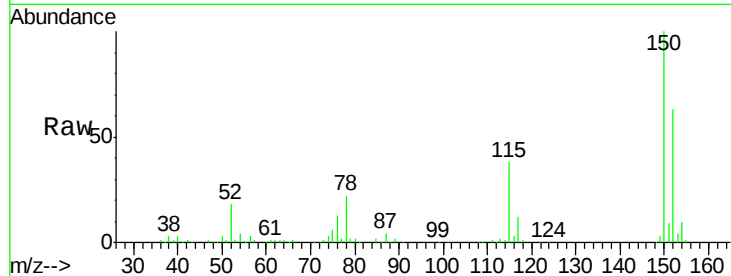
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 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.85 min Scan# 810
 Delta R.T. -0.00 min
 Lab File: BF099442.D
 Acq: 13 Oct 2017 16:30

Instrument :
 BNA_F
 ClientSampleId :
 DUCT-BANK-1-8-COMP

Tgt Ion	Ratio	Lower	Upper
152	100		
150	159.7	124.6	186.8
115	60.1	50.1	75.1

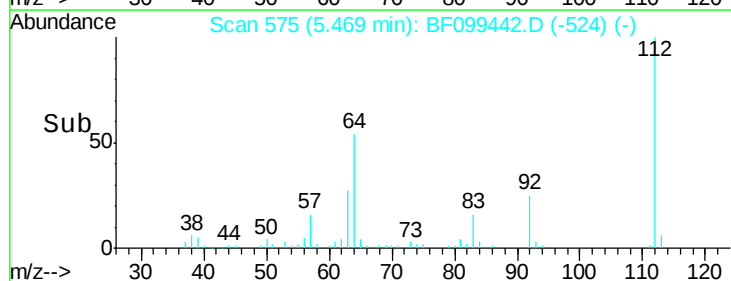
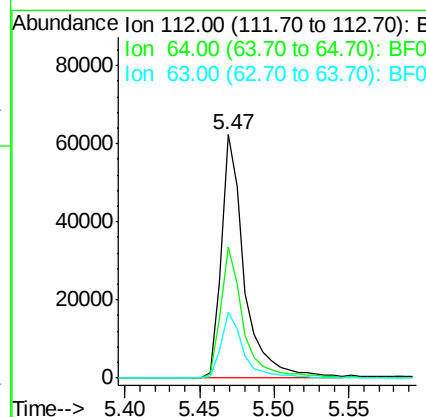
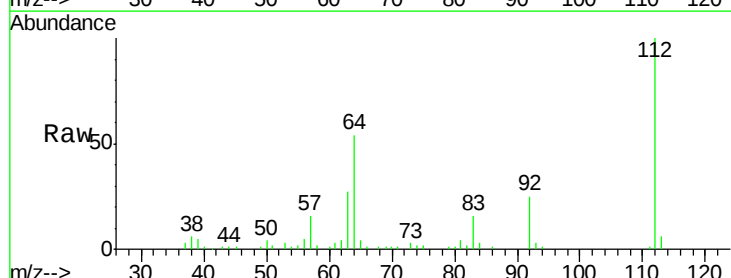
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#5
 2-Fluorophenol
 Concen: 11.09 ng
 RT: 5.47 min Scan# 575
 Delta R.T. -0.00 min
 Lab File: BF099442.D
 Acq: 13 Oct 2017 16:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.9	47.9	71.9
63	26.8	23.7	35.5





#7

Phenol-d6

Concen: 10.60 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF099442.D

Acq: 13 Oct 2017 16:30

Instrument :

BNA_F

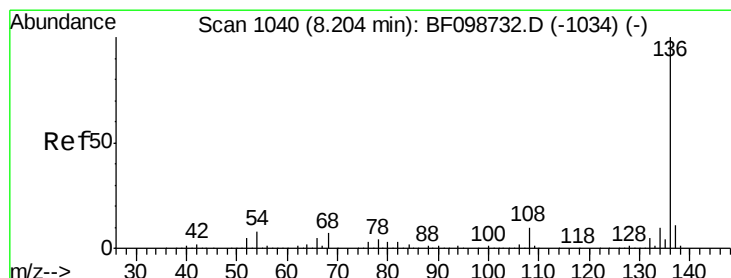
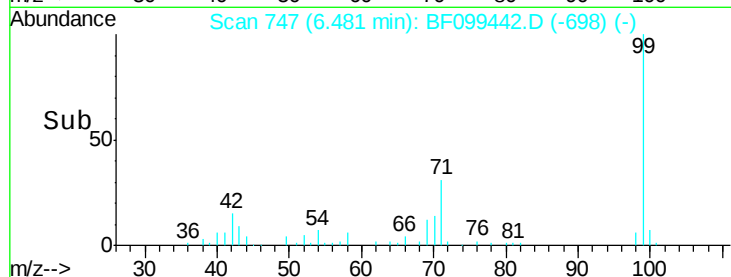
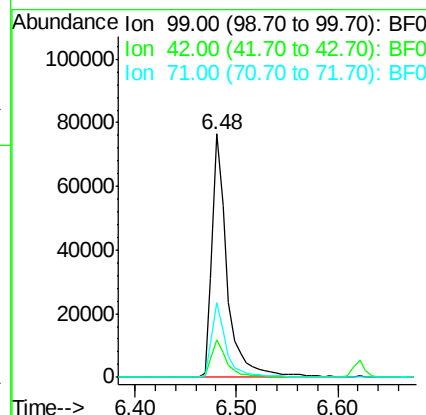
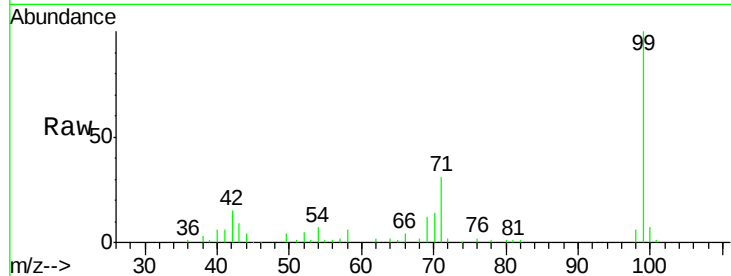
ClientSampleId :

DUCT-BANK-1-8-COMP

Tgt Ion:	99	Resp:	79813
Ion Ratio	Lower	Upper	
99	100		
42	15.3	14.5	21.7
71	30.7	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.00 ng

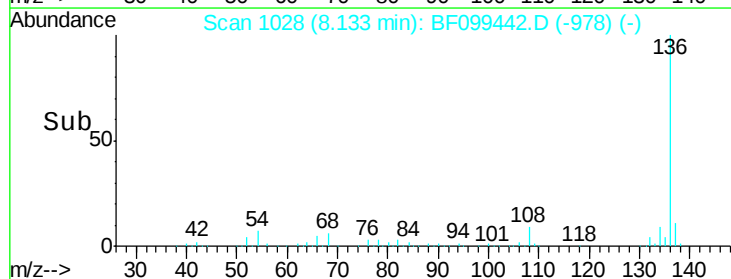
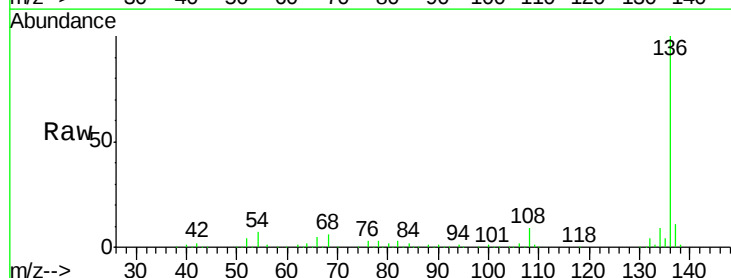
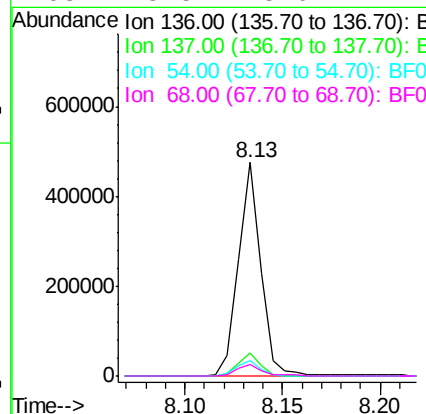
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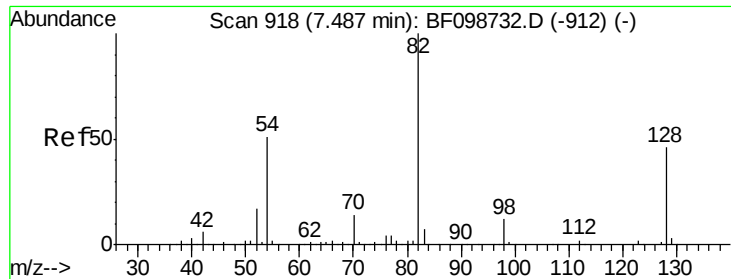
Delta R.T. -0.01 min

Lab File: BF099442.D

Acq: 13 Oct 2017 16:30

Tgt Ion:	136	Resp:	379356
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	6.9	6.6	9.8
68	5.5	5.0	7.4





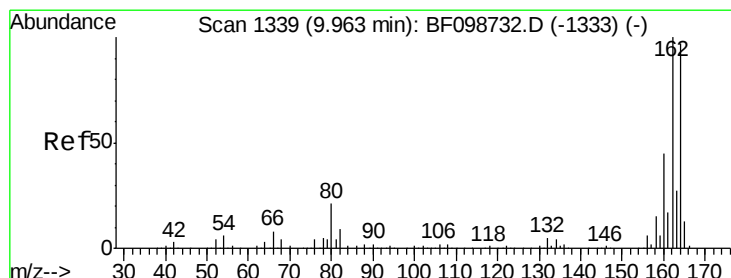
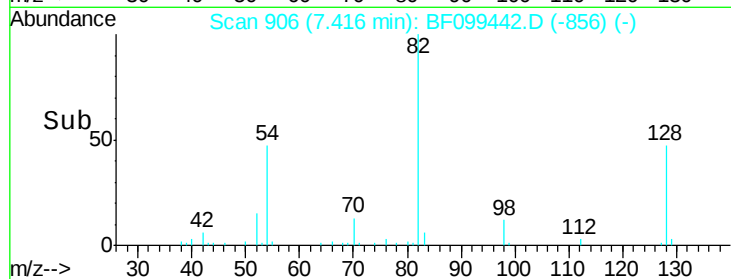
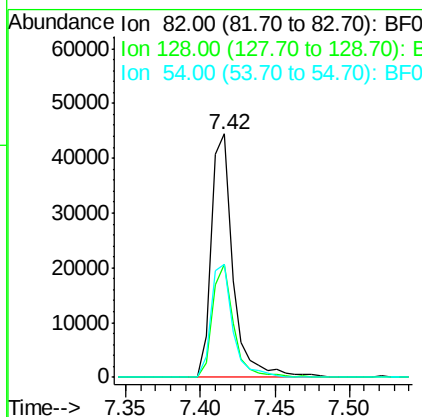
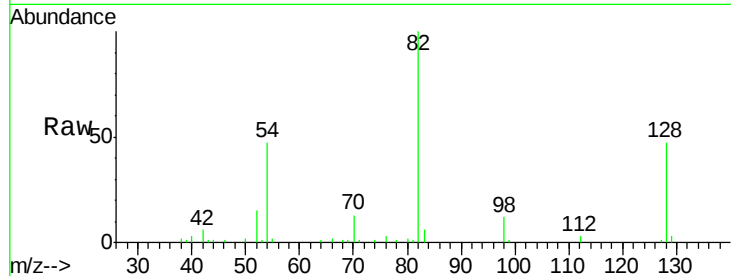
#23
 Nitrobenzene-d5
 Concen: 7.59 ng
 RT: 7.42 min Scan# 906
 Delta R.T. -0.01 min
 Lab File: BF099442.D
 Acq: 13 Oct 2017 16:30

Instrument :
 BNA_F
 ClientSampleId :
 DUCT-BANK-1-8-COMP

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	44923		
128	46.6	36.1	54.1	
54	46.6	41.4	62.2	

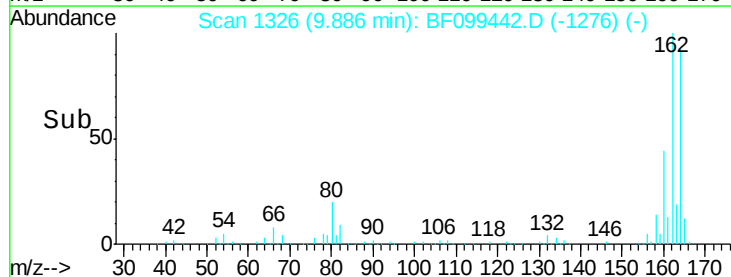
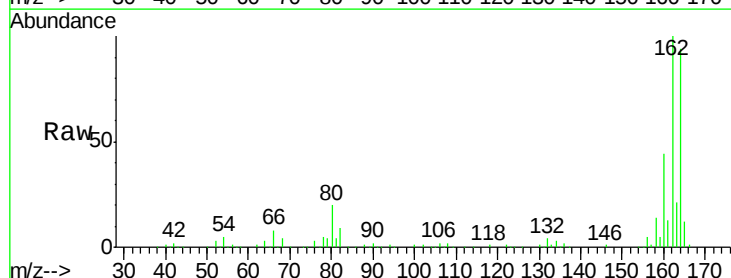
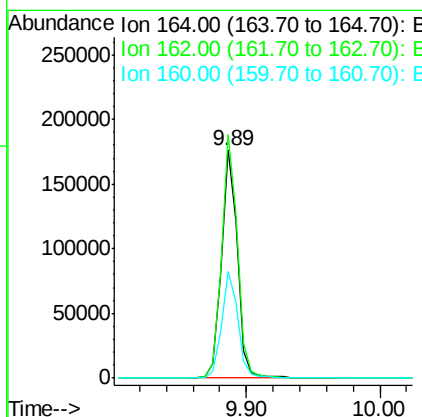
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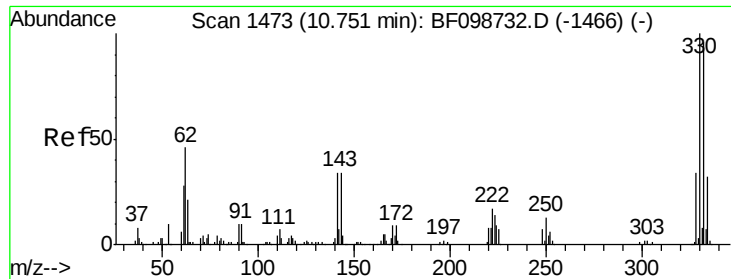
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. -0.01 min
 Lab File: BF099442.D
 Acq: 13 Oct 2017 16:30

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	149495		
162	106.9	86.1	129.1	
160	46.6	38.3	57.5	





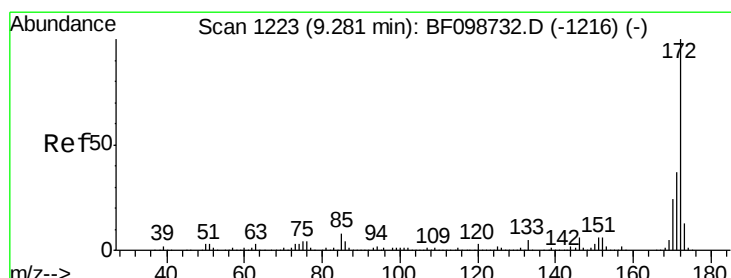
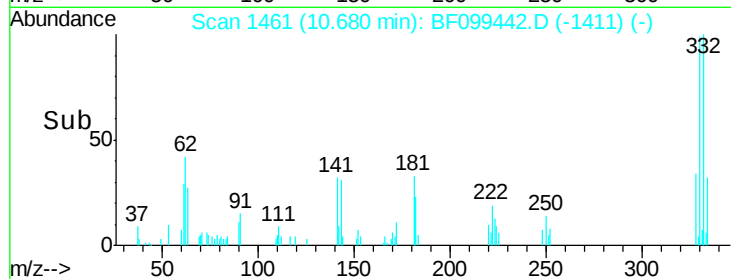
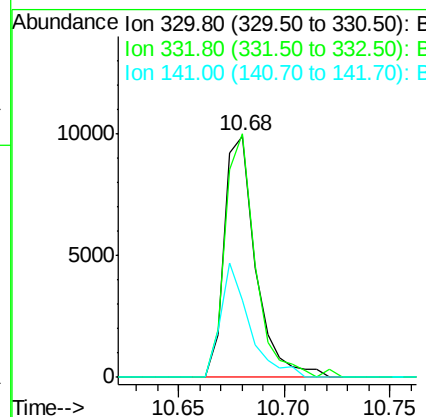
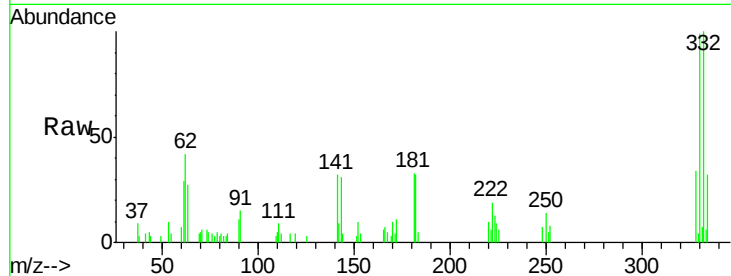
#41
 2,4,6-Tribromophenol
 Concen: 8.37 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: BF099442.D
 Acq: 13 Oct 2017 16:30

Instrument :
 BNA_F
 ClientSampleId :
 DUCT-BANK-1-8-COMP

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	10235		
332	97.7	77.0	115.6	
141	43.7	29.9	44.9	

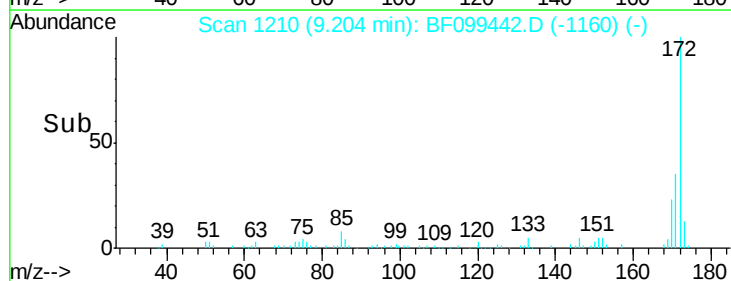
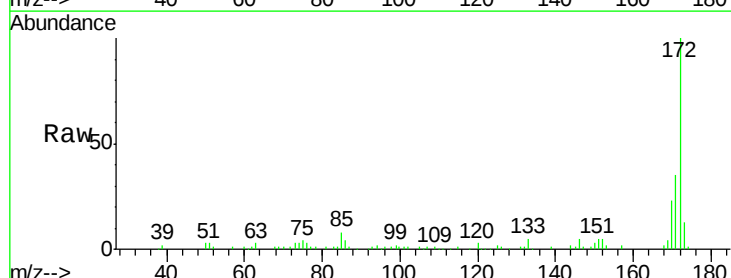
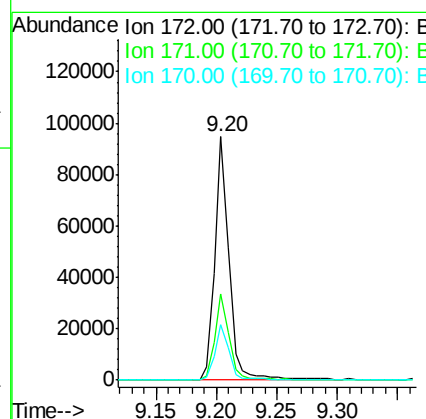
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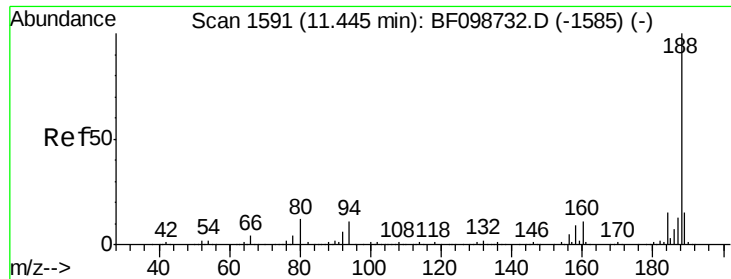
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#44
 2-Fluorobiphenyl
 Concen: 8.64 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF099442.D
 Acq: 13 Oct 2017 16:30

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	77367		
171	35.1	29.7	44.5	
170	22.7	19.6	29.4	





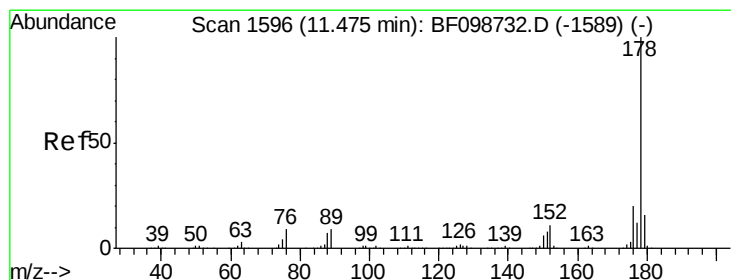
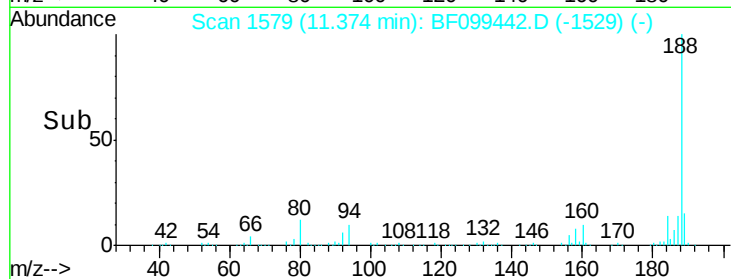
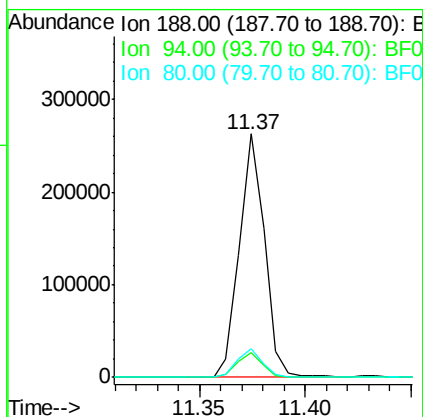
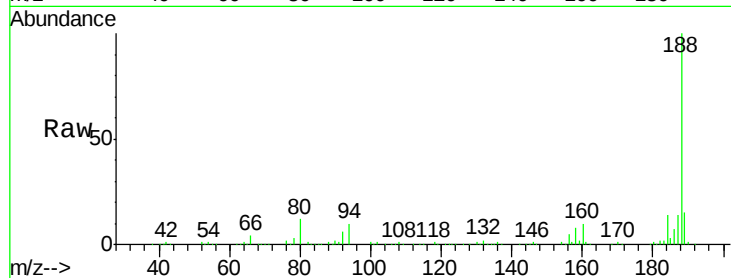
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BF099442.D
Acq: 13 Oct 2017 16:30

Instrument :
BNA_F
ClientSampleId :
DUCT-BANK-1-8-COMP

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	216872		
94	10.0	8.5	12.7	
80	11.6	9.2	13.8	

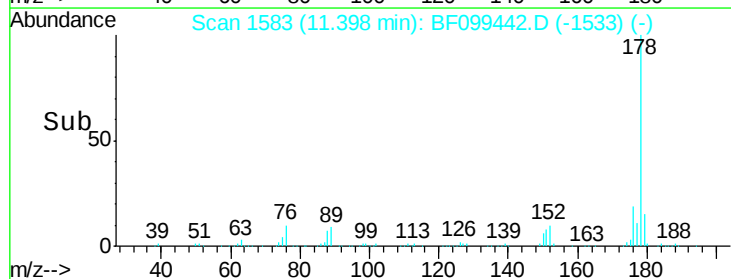
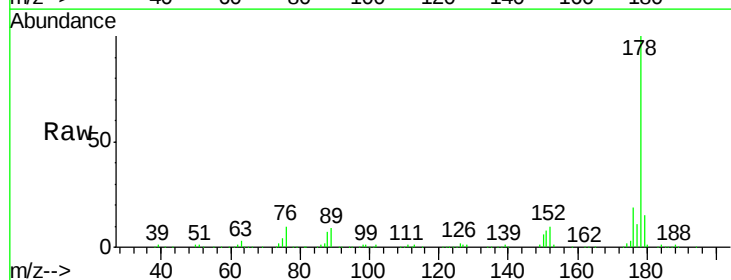
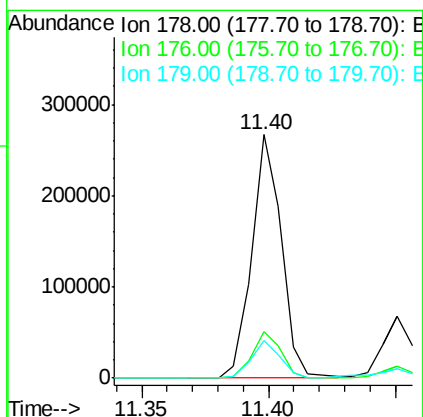
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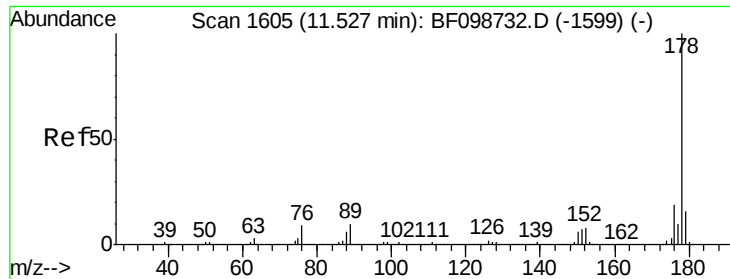
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#70
Phenanthrene
Concen: 18.75 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF099442.D
Acq: 13 Oct 2017 16:30

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	217688		
176	19.1	15.8	23.8	
179	15.2	13.0	19.6	





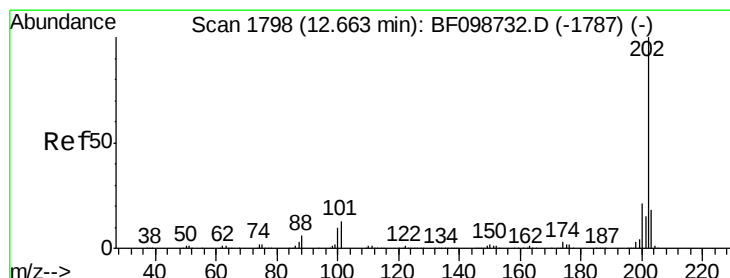
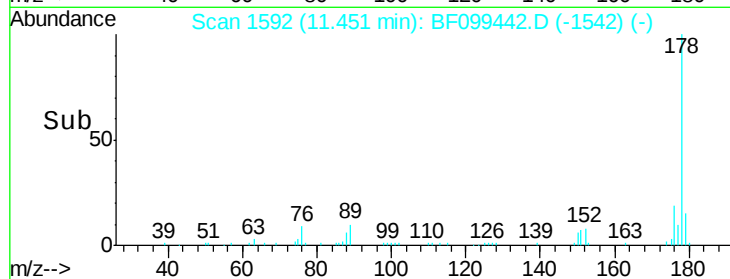
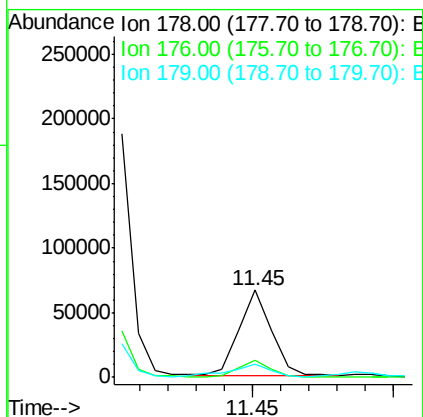
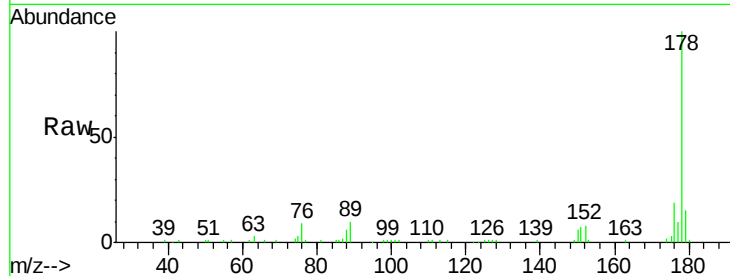
#71
 Anthracene
 Concen: 4.49 ng
 RT: 11.45 min Scan# 1592
 Delta R.T. -0.01 min
 Lab File: BF099442.D
 Acq: 13 Oct 2017 16:30

Instrument :
 BNA_F
 ClientSampleId :
 DUCT-BANK-1-8-COMP

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	15.3	12.6	19.0

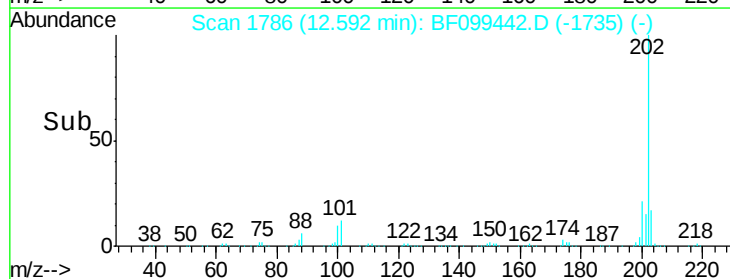
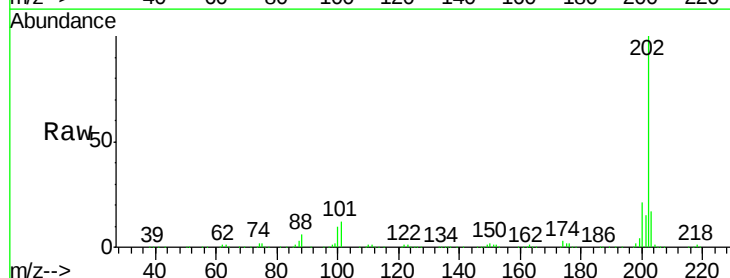
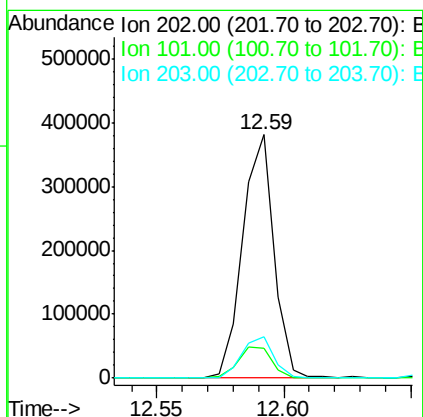
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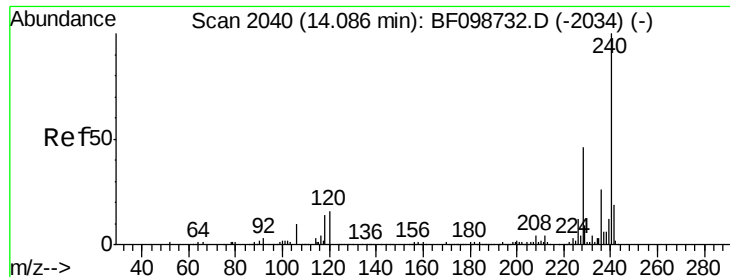
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#74
 Fluoranthene
 Concen: 27.74 ng
 RT: 12.59 min Scan# 1786
 Delta R.T. -0.00 min
 Lab File: BF099442.D
 Acq: 13 Oct 2017 16:30

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	34.1
203	17.0	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.02 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BF099442.D

Acq: 13 Oct 2017 16:30

Instrument :

BNA_F

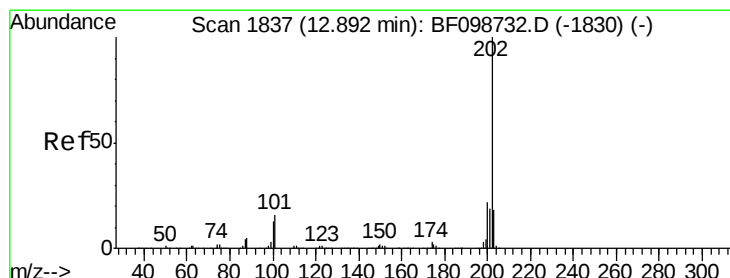
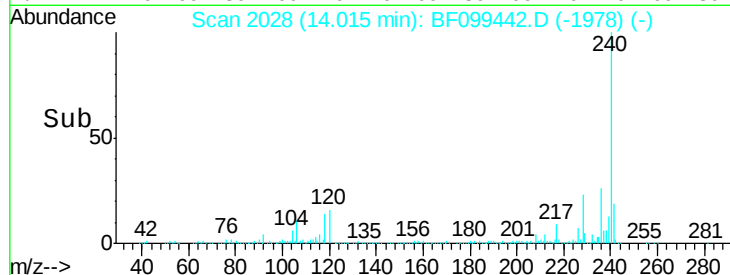
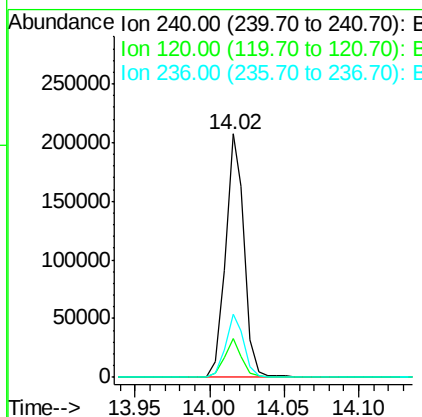
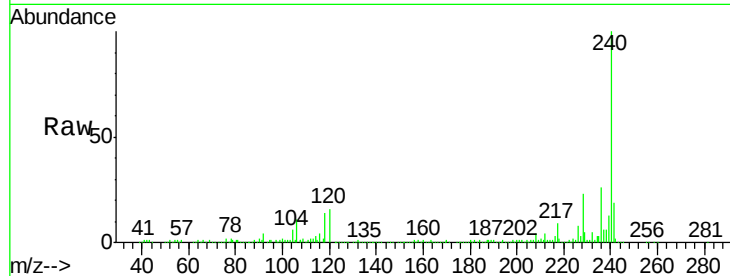
ClientSampleId :

DUCT-BANK-1-8-COMP

Tgt Ion	Ratio	Lower	Upper
240	100		
120	15.7	9.5	14.3
236	26.0	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 21.58 ng

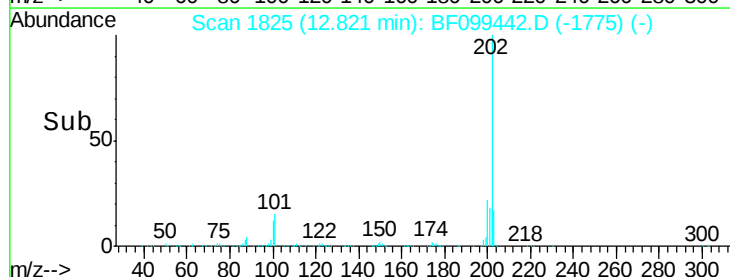
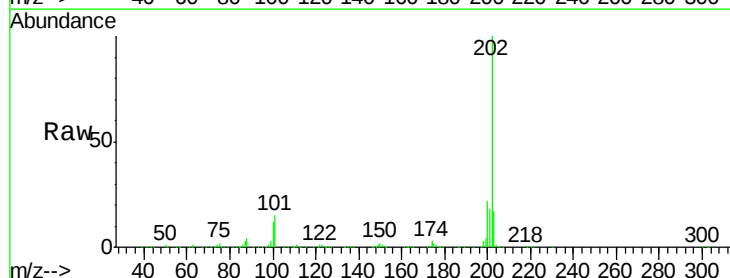
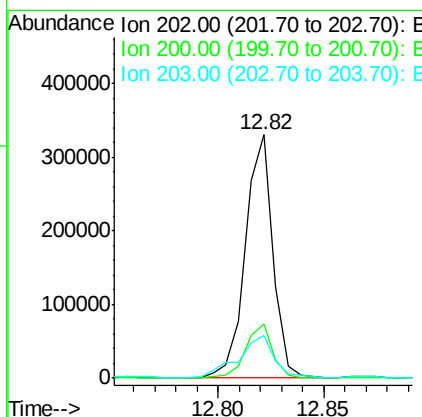
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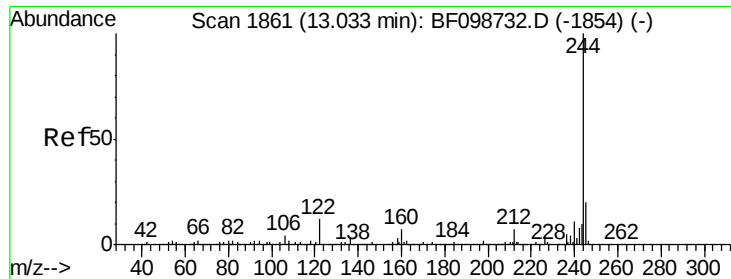
Delta R.T. -0.01 min

Lab File: BF099442.D

Acq: 13 Oct 2017 16:30

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.2	17.4	26.2
203	17.3	14.3	21.5





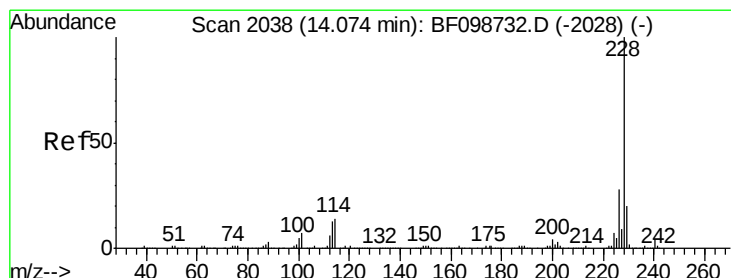
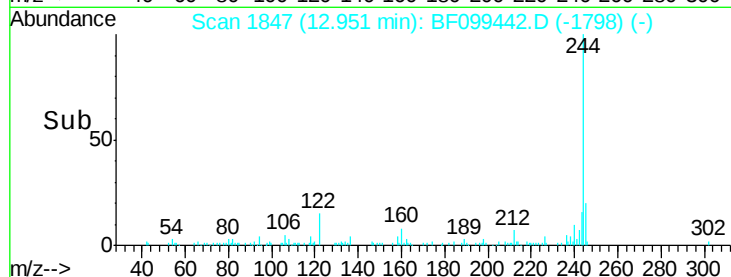
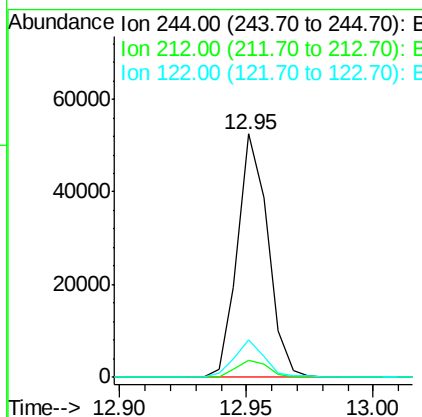
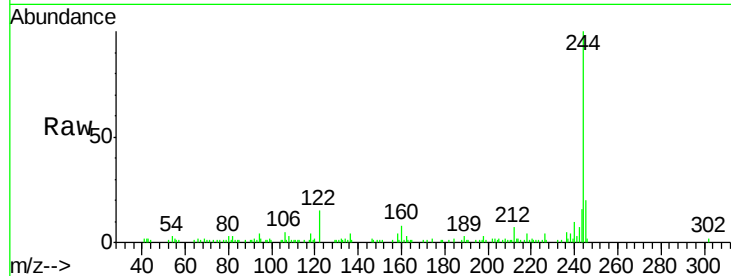
#78
 Terphenyl-d14
 Concen: 5.45 ng
 RT: 12.95 min Scan# 1847
 Delta R.T. -0.01 min
 Lab File: BF099442.D
 Acq: 13 Oct 2017 16:30

Instrument :
 BNA_F
 ClientSampleId :
 DUCT-BANK-1-8-COMP

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.4	8.0
122	15.2	11.0	16.4

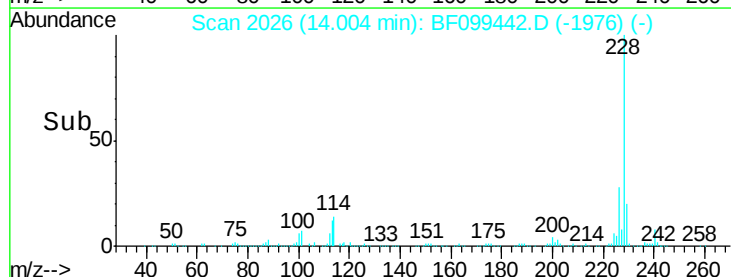
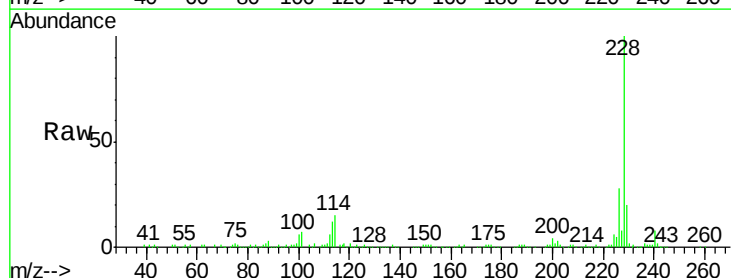
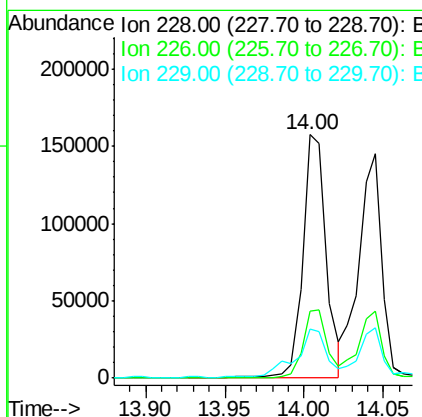
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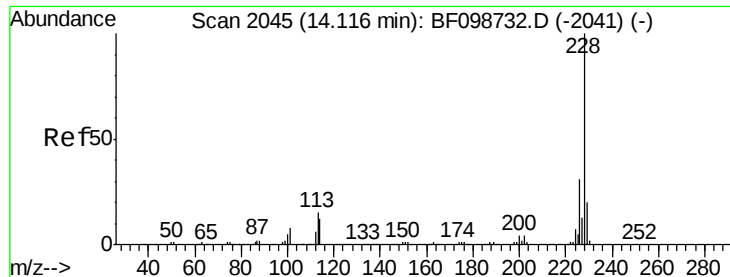
Sohil
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#80
 Benzo(a)anthracene
 Concen: 14.54 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. -0.01 min
 Lab File: BF099442.D
 Acq: 13 Oct 2017 16:30

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.6	33.8
229	20.2	15.8	23.6





#82

Chrysene

Concen: 14.17 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF099442.D

Acq: 13 Oct 2017 16:30

Instrument :

BNA_F

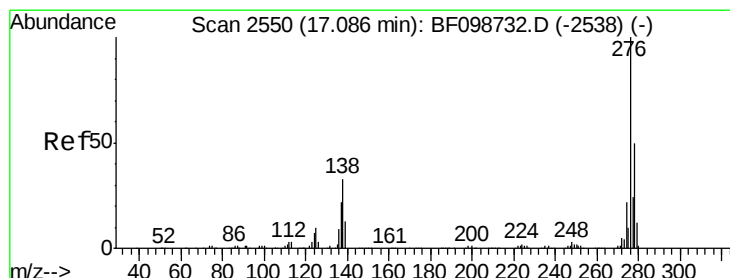
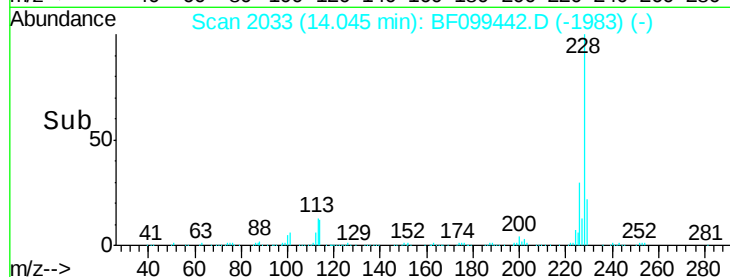
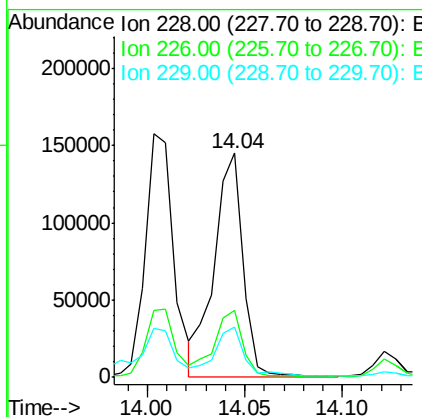
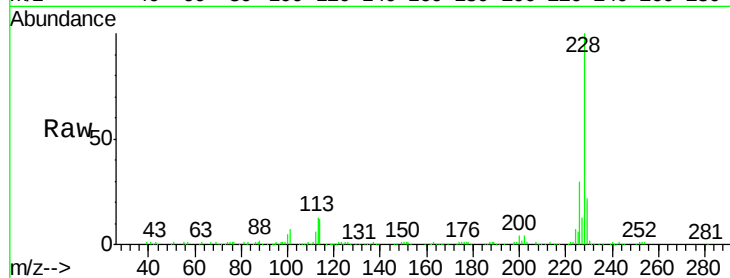
ClientSampleId :

DUCT-BANK-1-8-COMP

Tgt Ion:	228	Resp:	149372
Ion Ratio	Lower	Upper	
228	100		
226	30.2	25.0	37.6
229	22.3	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 11.19 ng

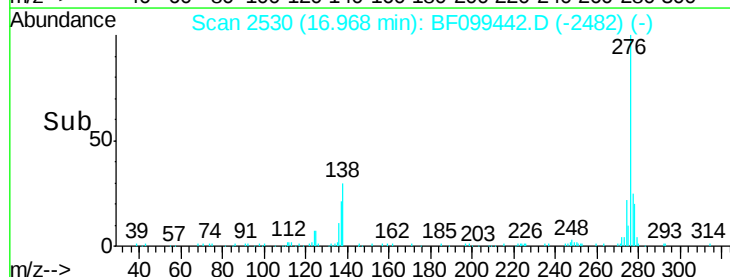
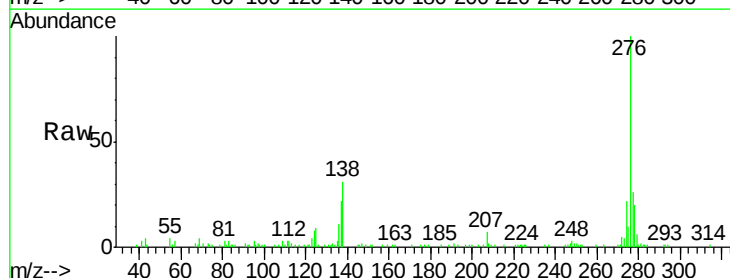
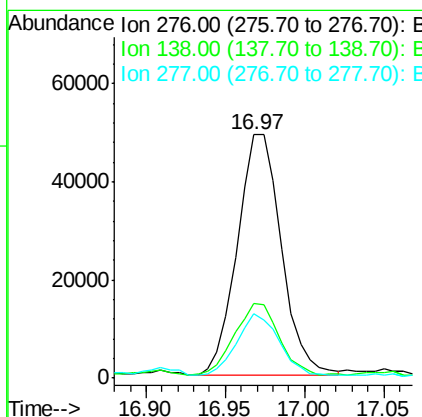
RT: 16.97 min Scan# 2530

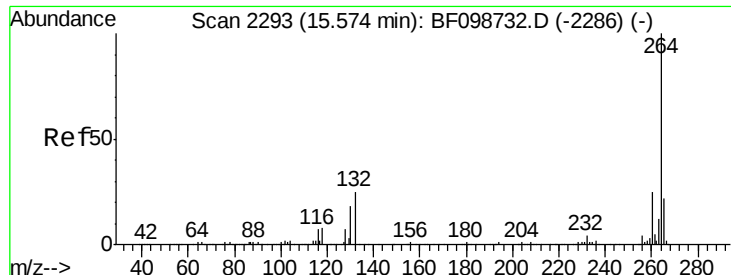
Delta R.T. -0.02 min

Lab File: BF099442.D

Acq: 13 Oct 2017 16:30

Tgt Ion:	276	Resp:	94339
Ion Ratio	Lower	Upper	
276	100		
138	30.8	25.0	37.6
277	25.8	20.1	30.1





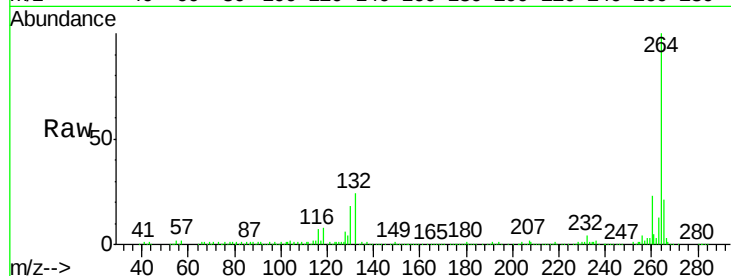
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.49 min Scan# 2279
Delta R.T. -0.00 min
Lab File: BF099442.D
Acq: 13 Oct 2017 16:30

Instrument :
BNA_F
ClientSampleId :
DUCT-BANK-1-8-COMP

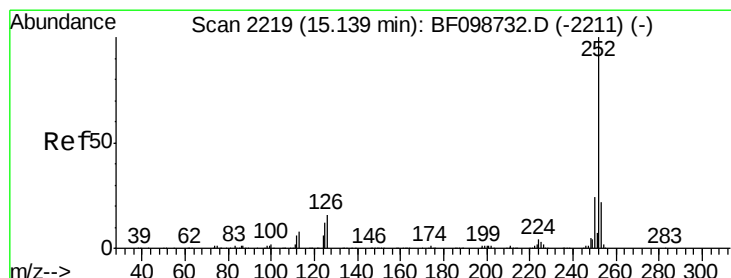
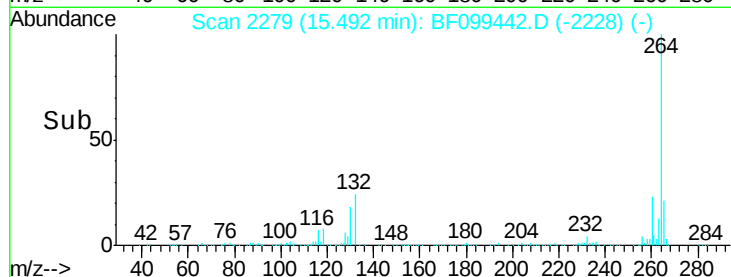
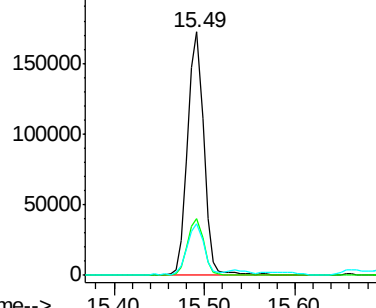
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.2	17.5	26.3

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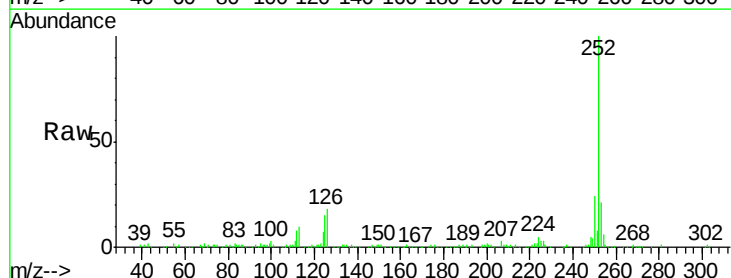


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

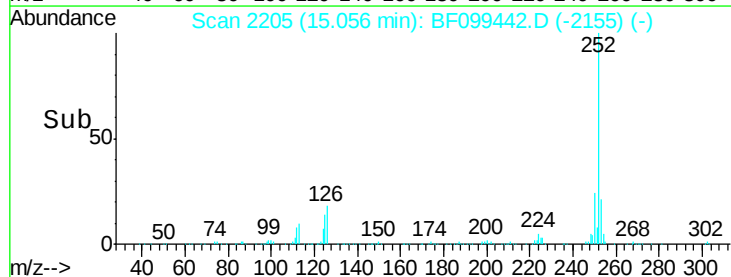
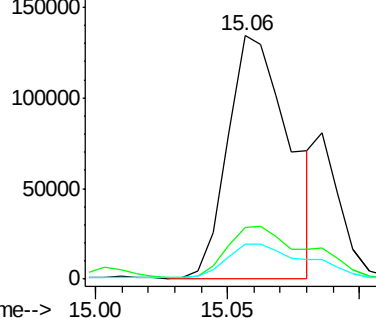


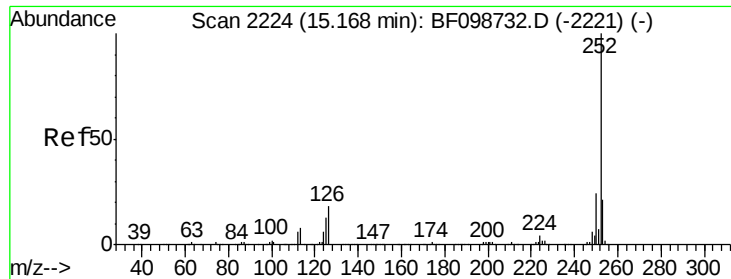
#87
Benzo(b)fluoranthene
Concen: 16.44 ng m
RT: 15.06 min Scan# 2205
Delta R.T. -0.01 min
Lab File: BF099442.D
Acq: 13 Oct 2017 16:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.0	25.6
125	14.6	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





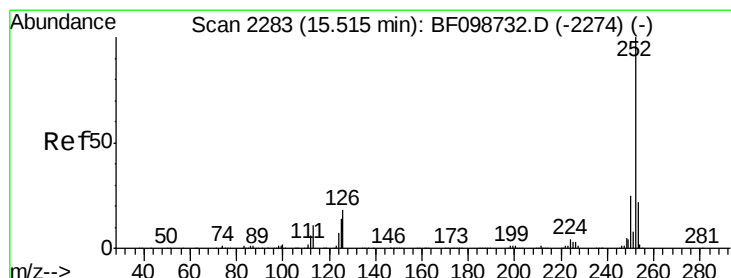
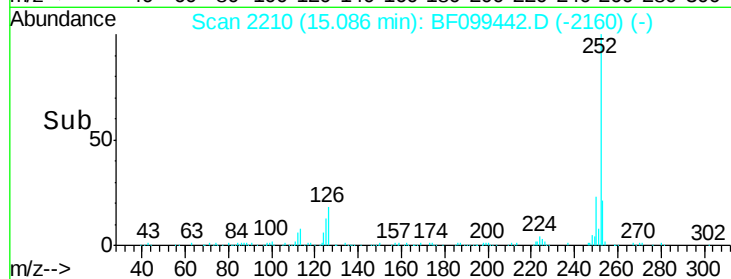
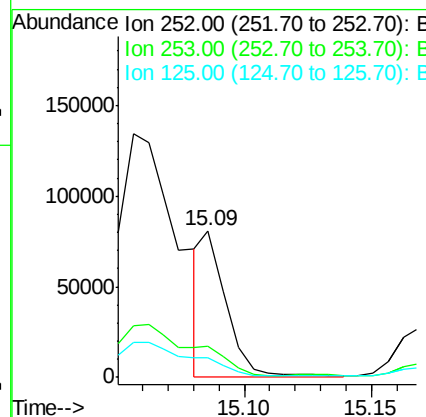
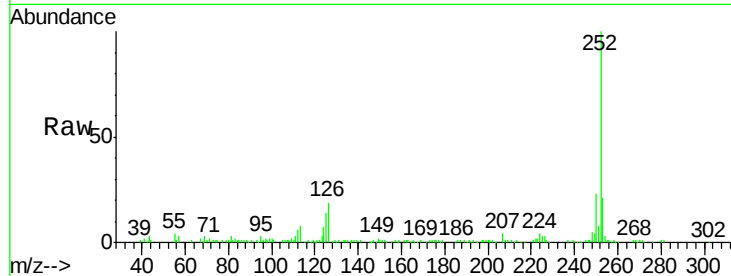
#88
Benzo(k)fluoranthene
Concen: 4.29 ng m
RT: 15.09 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BF099442.D
Acq: 13 Oct 2017 16:30

Instrument :
BNA_F
ClientSampleId :
DUCT-BANK-1-8-COMP

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.9	26.9
125	13.6	10.2	15.2

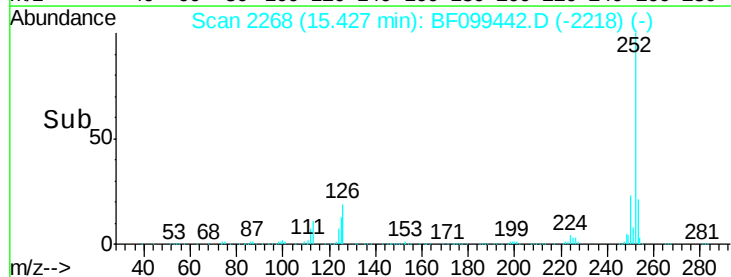
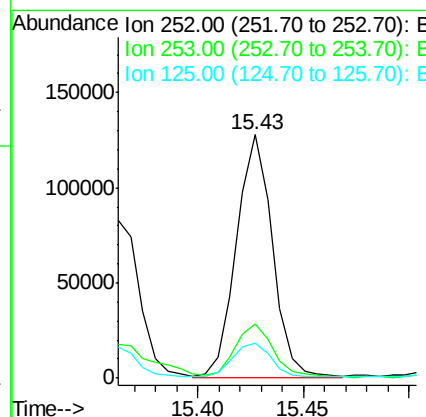
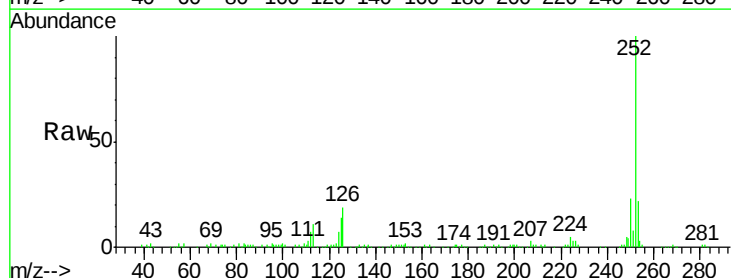
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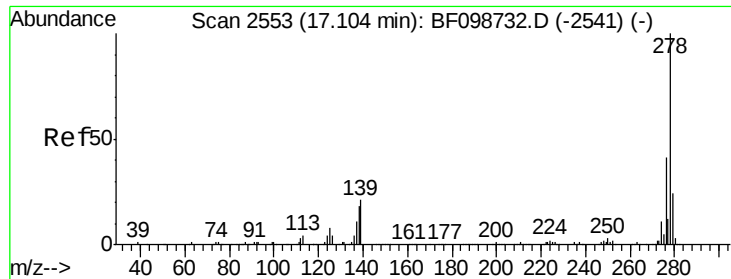
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#89
Benzo(a)pyrene
Concen: 12.34 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF099442.D
Acq: 13 Oct 2017 16:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.1	25.7
125	14.1	9.8	14.6





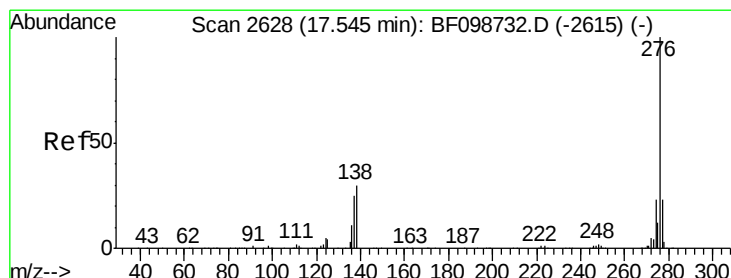
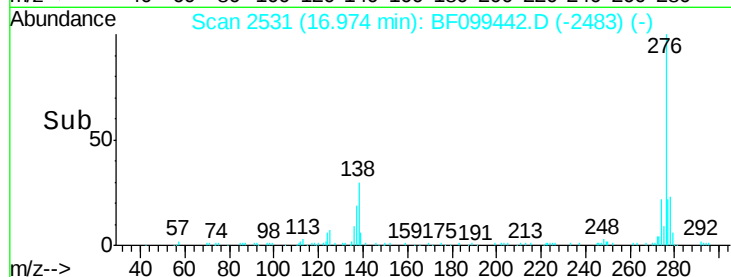
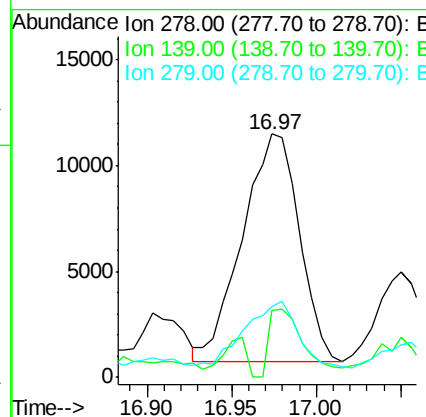
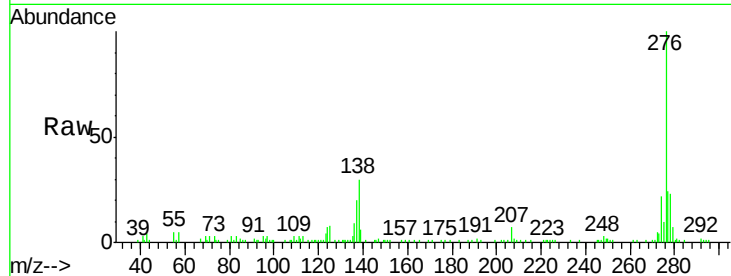
#90
Dibenzo(a,h)anthracene
Concen: 2.59 ng
RT: 16.97 min Scan# 2531
Delta R.T. -0.02 min
Lab File: BF099442.D
Acq: 13 Oct 2017 16:30

Instrument :
BNA_F
ClientSampleId :
DUCT-BANK-1-8-COMP

Tgt Ion	Ratio	Lower	Upper
278	100		
139	27.6	15.9	23.9#
279	29.0	19.0	28.4#

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 9.59 ng
RT: 17.42 min Scan# 2607
Delta R.T. -0.01 min
Lab File: BF099442.D
Acq: 13 Oct 2017 16:30

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.1	17.9	26.9
138	30.3	21.8	32.8

