

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122721\
 Data File : BF126374.D
 Acq On : 28 Dec 2021 00:49
 Operator : JU/CG
 Sample : M5106-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VAULT-WASTE

Quant Time: Dec 28 06:01:59 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 22 13:00:11 2021
 Response via : Initial Calibration

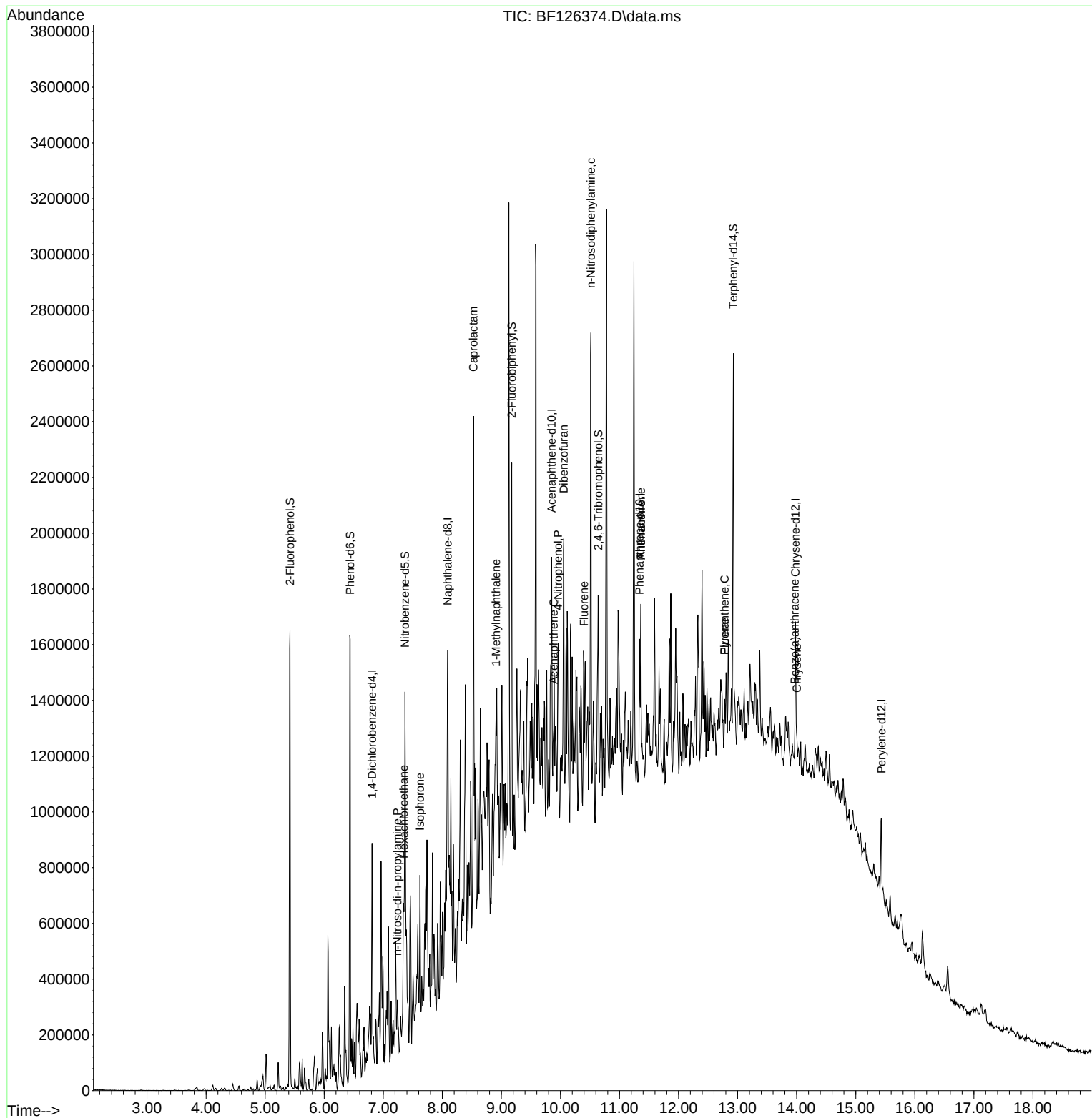
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.810	152	84499	20.000	ng	0.00
21) Naphthalene-d8	8.092	136	284960	20.000	ng	#-0.01
39) Acenaphthene-d10	9.851	164	110193	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	186820	20.000	ng	# 0.00
76) Chrysene-d12	13.980	240	170338	20.000	ng	# 0.00
86) Perylene-d12	15.433	264	126541	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	489062	85.234	ng	0.00
7) Phenol-d6	6.439	99	595988	81.803	ng	0.00
23) Nitrobenzene-d5	7.369	82	356546	67.765	ng	-0.01
42) 2,4,6-Tribromophenol	10.639	330	81089	91.568	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	440487	70.110	ng	0.00
79) Terphenyl-d14	12.927	244	426405	43.510	ng	0.00
Target Compounds						
						Qvalue
18) Hexachloroethane	7.345	117	28669	12.296	ng	# 30
19) n-Nitroso-di-n-propyla...	7.239	70	13614	3.044	ng	# 44
25) Isophorone	7.622	82	24566	2.472	ng	# 1
35) Caprolactam	8.528	113	37044	41.702	ng	# 31
38) 1-Methylnaphthalene	8.910	142	97556	12.249	ng	95
52) Acenaphthene	9.886	154	17220	2.835	ng	# 55
55) Dibenzofuran	10.057	168	22546	2.726	ng	# 13
56) 4-Nitrophenol	9.957	139	13613	9.814	ng	# 47
58) Fluorene	10.398	166	56011	9.355	ng	# 88
66) n-Nitrosodiphenylamine	10.516	169	57391	9.572	ng	# 49
71) Phenanthrene	11.363	178	172957	17.937	ng	# 96
72) Anthracene	11.363	178	172957	17.871	ng	96
75) Fluoranthene	12.780	202	67104	7.724	ng	85
78) Pyrene	12.780	202	67305	4.301	ng	# 94
81) Benzo(a)anthracene	13.968	228	21194	2.101	ng	# 42
83) Chrysene	14.004	228	35711	3.406	ng	# 48

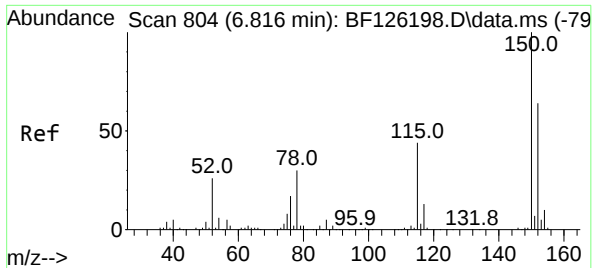
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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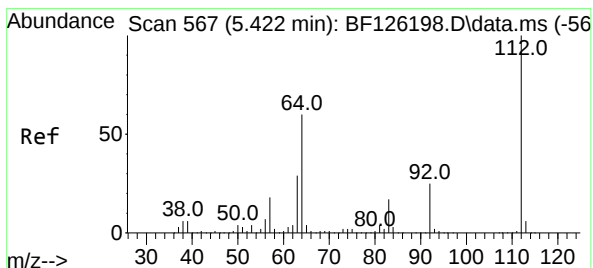
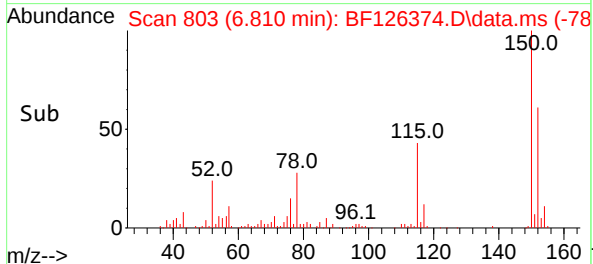
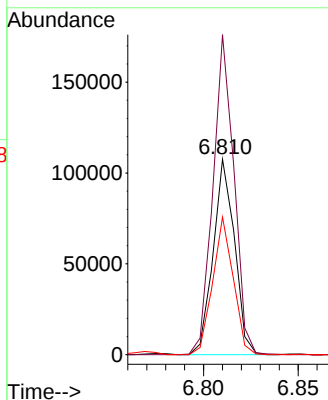
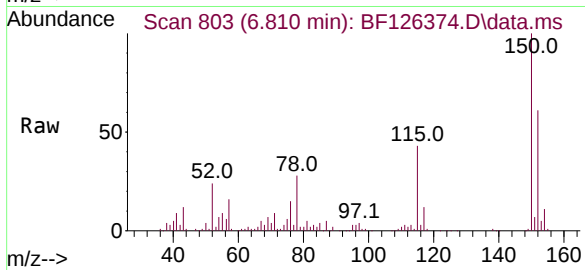




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.810 min Scan# 804
Delta R.T. -0.006 min
Lab File: BF126374.D
Acq: 28 Dec 2021 00:49

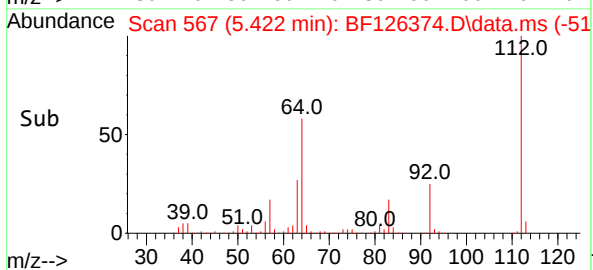
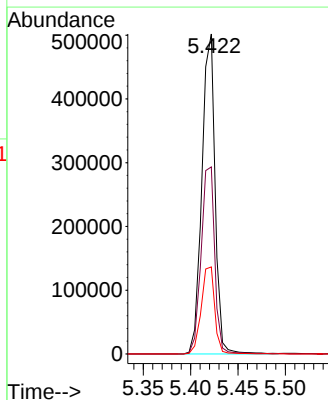
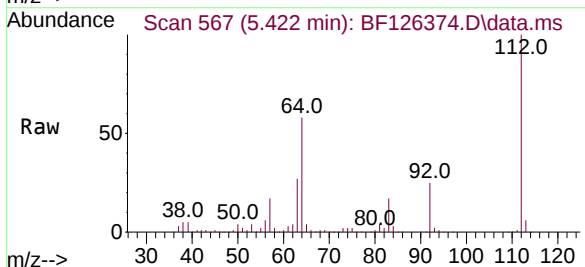
Instrument :
BNA_F
ClientSampleId :
VAULT-WASTE

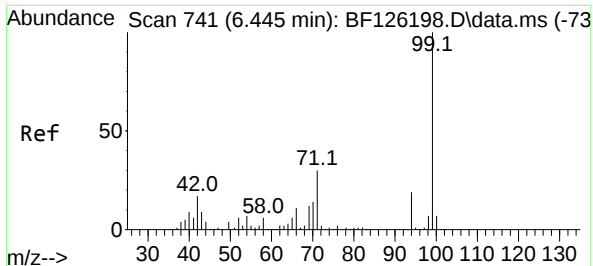
Tgt Ion:152 Resp: 84499
Ion Ratio Lower Upper
152 100
150 163.6 117.6 176.4
115 70.3 47.1 70.7



#5
2-Fluorophenol
Concen: 85.234 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.006 min
Lab File: BF126374.D
Acq: 28 Dec 2021 00:49

Tgt Ion:112 Resp: 489062
Ion Ratio Lower Upper
112 100
64 58.5 44.2 66.2
63 27.2 26.2 39.2

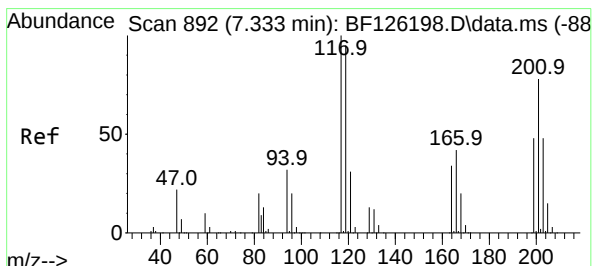
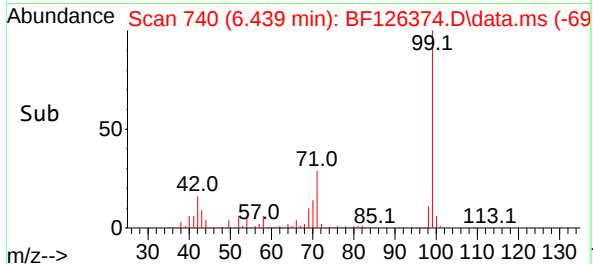
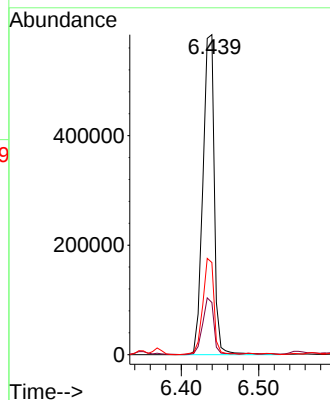
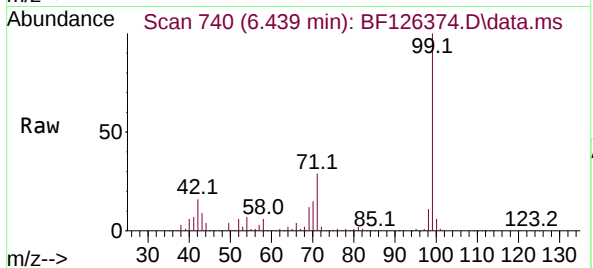




#7
Phenol-d6
Concen: 81.803 ng
RT: 6.439 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF126374.D
Acq: 28 Dec 2021 00:49

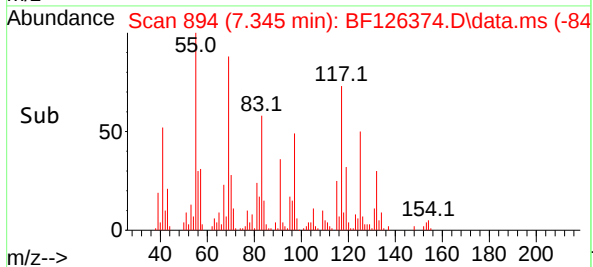
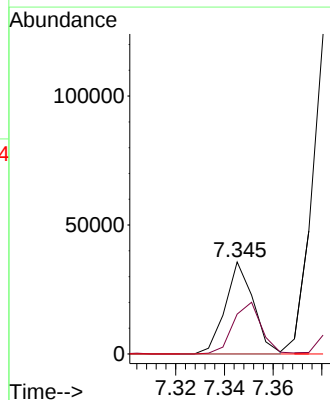
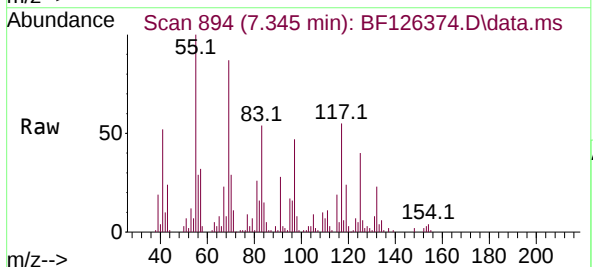
Instrument :
BNA_F
ClientSampleId :
VAULT-WASTE

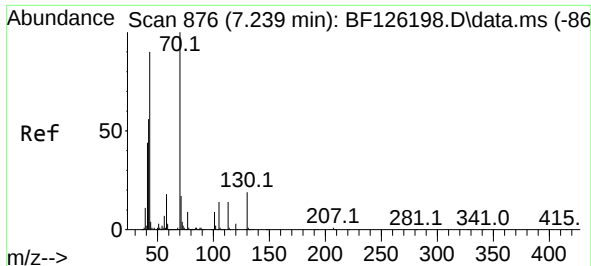
Tgt Ion: 99 Resp: 595988
Ion Ratio Lower Upper
99 100
42 16.3 23.5 35.3#
71 28.8 25.6 38.4



#18
Hexachloroethane
Concen: 12.296 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.012 min
Lab File: BF126374.D
Acq: 28 Dec 2021 00:49

Tgt Ion: 117 Resp: 28669
Ion Ratio Lower Upper
117 100
119 43.3 73.4 110.2#
201 0.0 64.9 97.3#



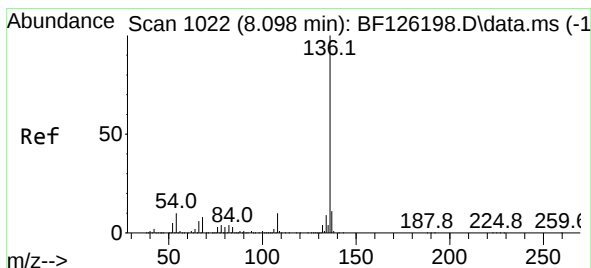
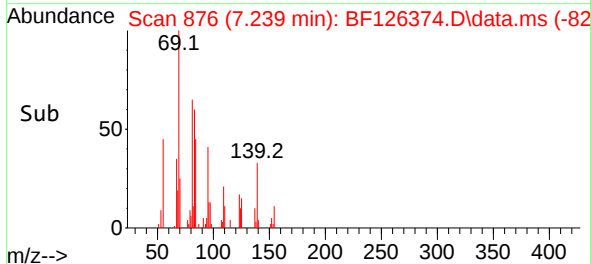
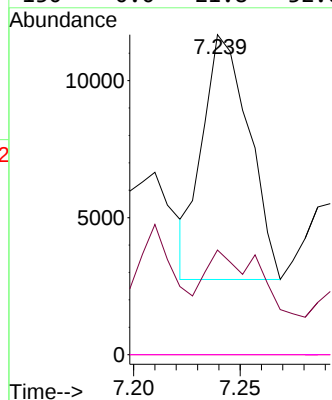
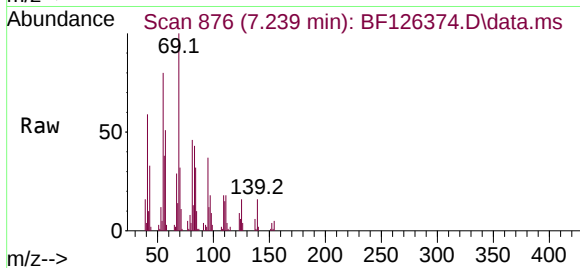


#19
n-Nitroso-di-n-propylamine
Concen: 3.044 ng
RT: 7.239 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF126374.D
Acq: 28 Dec 2021 00:49

Instrument :
BNA_F
ClientSampleId :
VAULT-WASTE

Tgt Ion: 70 Resp: 13614

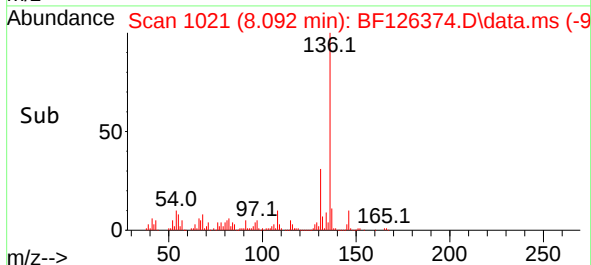
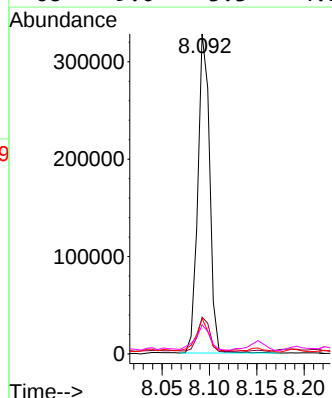
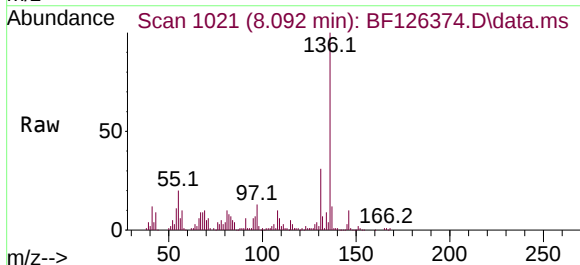
Ion	Ratio	Lower	Upper
70	100		
42	32.7	72.2	108.2#
101	0.0	7.8	11.8#
130	0.0	21.8	32.6#

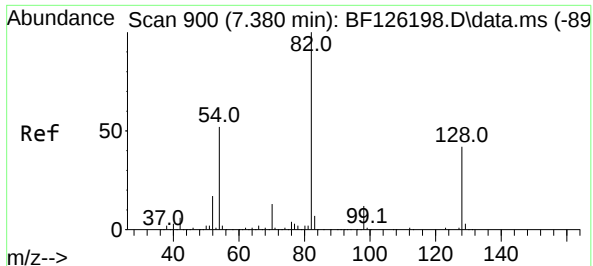


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.092 min Scan# 1021
Delta R.T. -0.012 min
Lab File: BF126374.D
Acq: 28 Dec 2021 00:49

Tgt Ion: 136 Resp: 284960

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.8	14.6
54	11.0	6.4	9.6#
68	9.0	3.3	4.9#





#23

Nitrobenzene-d5

Concen: 67.765 ng

RT: 7.369 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF126374.D

Acq: 28 Dec 2021 00:49

Instrument :

BNA_F

ClientSampleId :

VAULT-WASTE

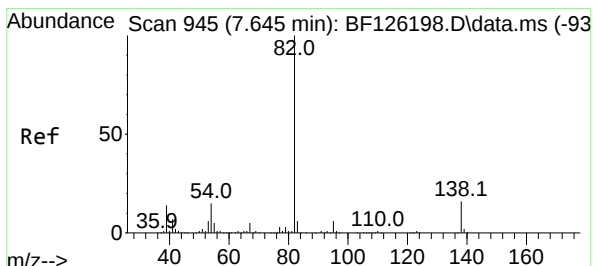
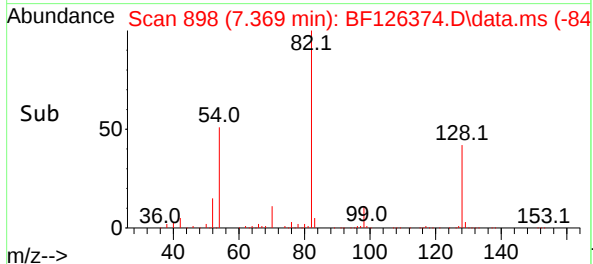
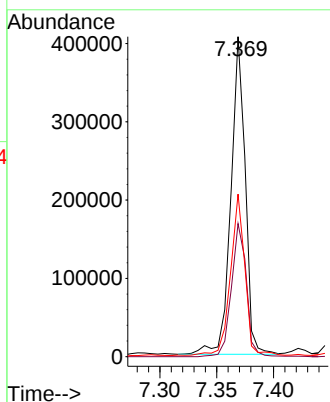
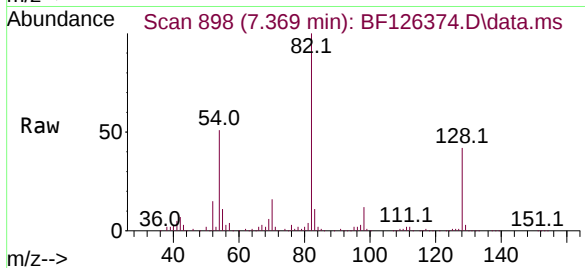
Tgt Ion: 82 Resp: 356546

Ion Ratio Lower Upper

82 100

128 41.6 40.6 60.8

54 50.8 49.6 74.4



#25

Isophorone

Concen: 2.472 ng

RT: 7.622 min Scan# 941

Delta R.T. -0.018 min

Lab File: BF126374.D

Acq: 28 Dec 2021 00:49

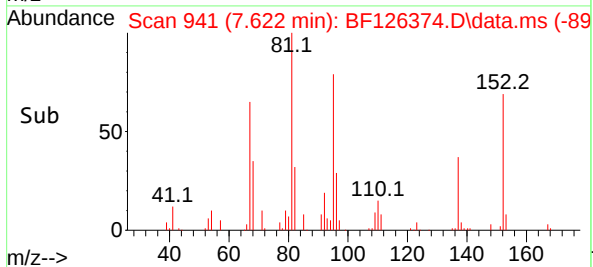
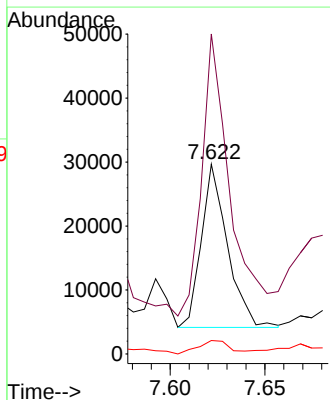
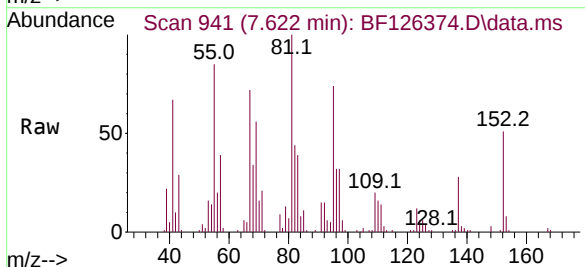
Tgt Ion: 82 Resp: 24566

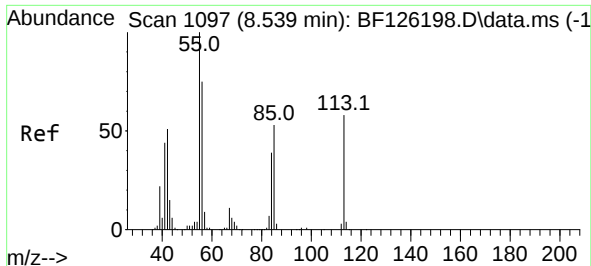
Ion Ratio Lower Upper

82 100

95 168.7 6.5 9.7#

138 7.1 18.4 27.6#

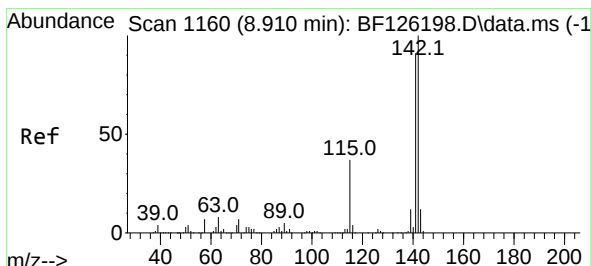
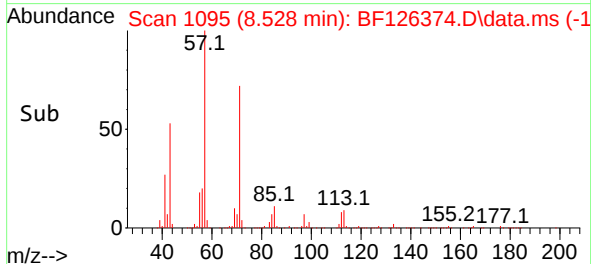
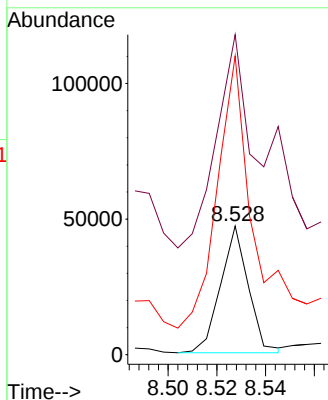
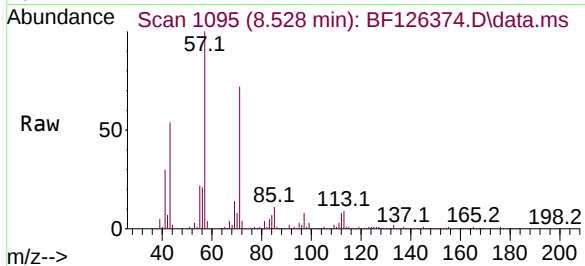




#35
 Caprolactam
 Concen: 41.702 ng
 RT: 8.528 min Scan# 1095
 Delta R.T. -0.006 min
 Lab File: BF126374.D
 Acq: 28 Dec 2021 00:49

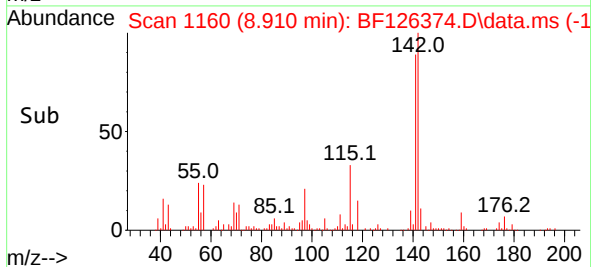
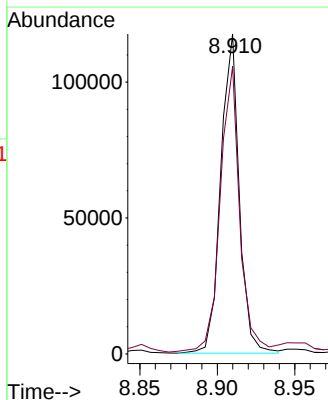
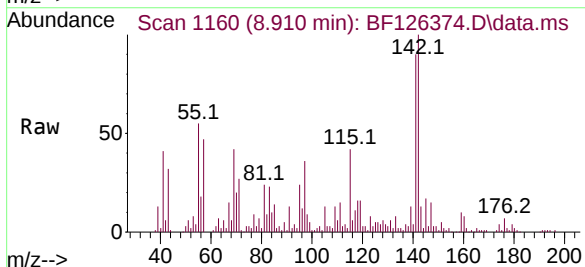
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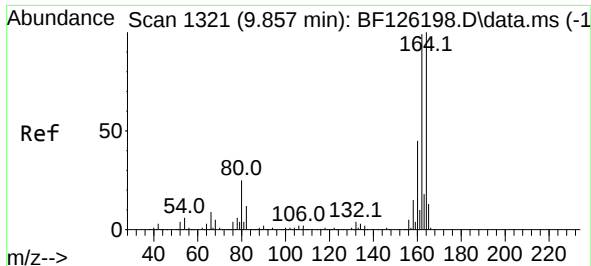
Tgt Ion:113 Resp: 37044
 Ion Ratio Lower Upper
 113 100
 55 248.7 154.1 194.1#
 56 232.2 108.7 148.7#



#38
 1-Methylnaphthalene
 Concen: 12.249 ng
 RT: 8.910 min Scan# 1160
 Delta R.T. -0.006 min
 Lab File: BF126374.D
 Acq: 28 Dec 2021 00:49

Tgt Ion:142 Resp: 97556
 Ion Ratio Lower Upper
 142 100
 141 89.9 76.0 114.0

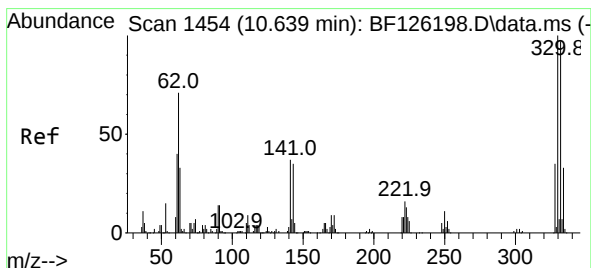
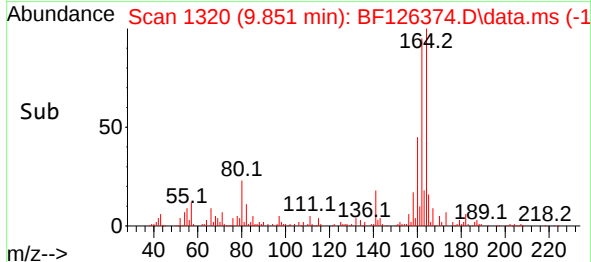
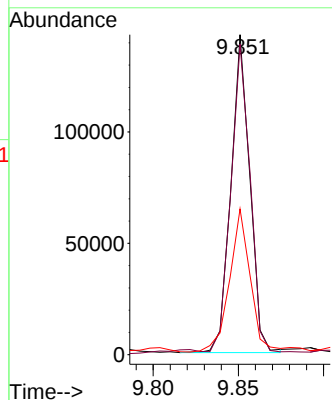
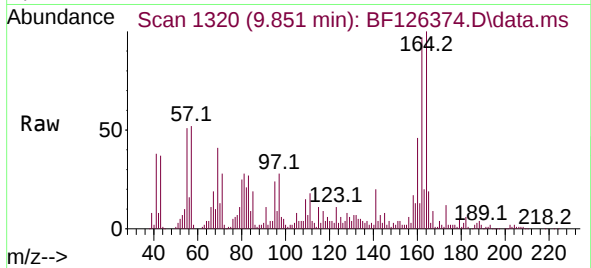




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.851 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF126374.D
Acq: 28 Dec 2021 00:49

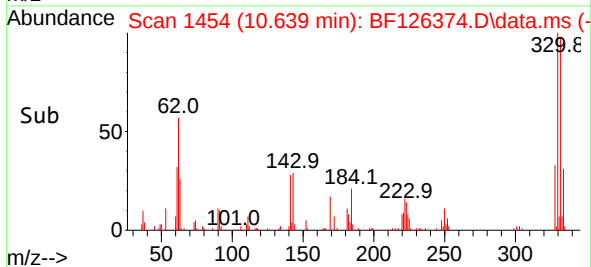
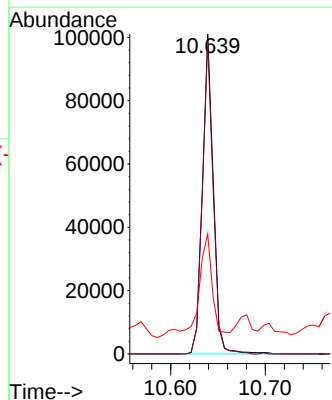
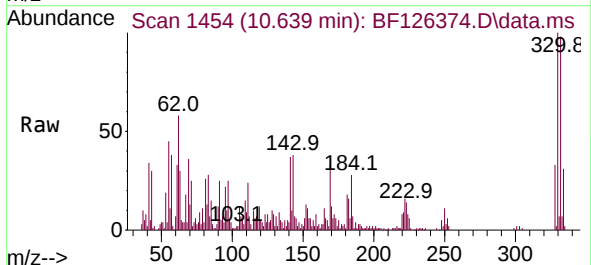
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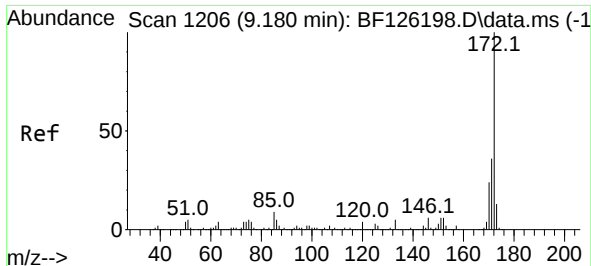
Tgt Ion:164 Resp: 110193
Ion Ratio Lower Upper
164 100
162 97.1 81.3 121.9
160 45.5 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 91.568 ng
RT: 10.639 min Scan# 1454
Delta R.T. -0.006 min
Lab File: BF126374.D
Acq: 28 Dec 2021 00:49

Tgt Ion:330 Resp: 81089
Ion Ratio Lower Upper
330 100
332 96.8 76.2 114.4
141 41.9 44.6 66.8#





#45

2-Fluorobiphenyl

Concen: 70.110 ng

RT: 9.175 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF126374.D

Acq: 28 Dec 2021 00:49

Instrument :

BNA_F

ClientSampleId :

VAULT-WASTE

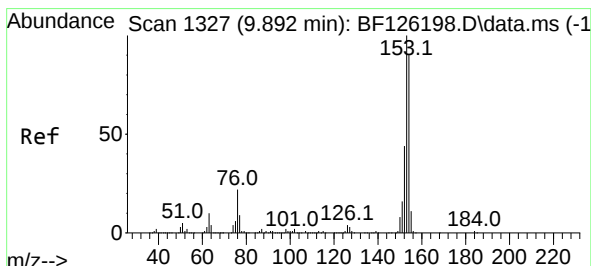
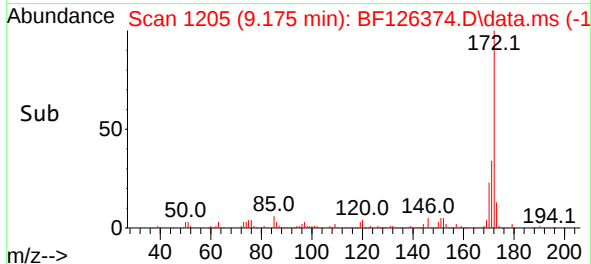
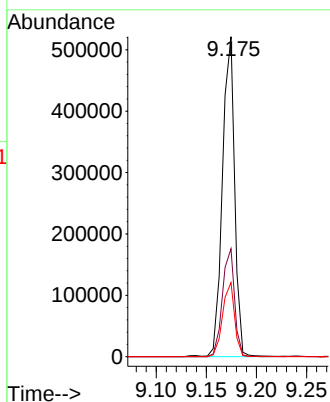
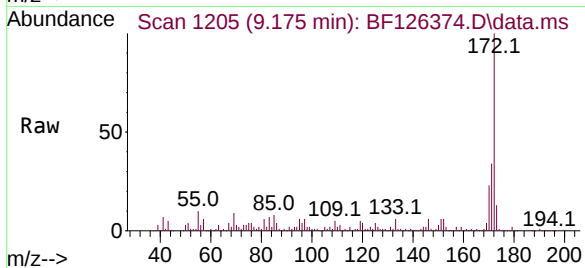
Tgt Ion:172 Resp: 440487

Ion Ratio Lower Upper

172 100

171 33.8 26.5 39.7

170 23.2 18.8 28.2



#52

Acenaphthene

Concen: 2.835 ng

RT: 9.886 min Scan# 1326

Delta R.T. -0.006 min

Lab File: BF126374.D

Acq: 28 Dec 2021 00:49

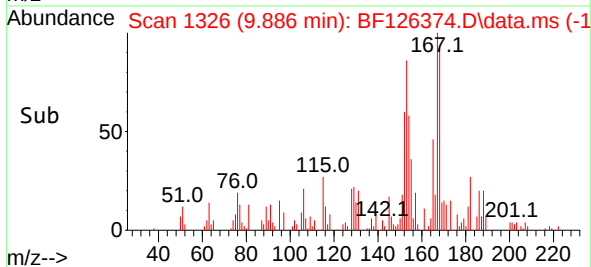
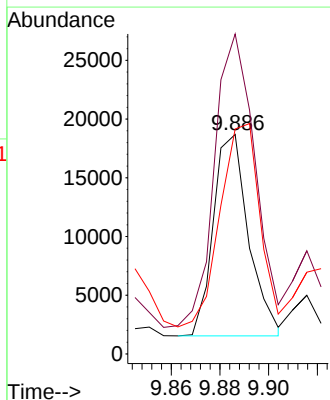
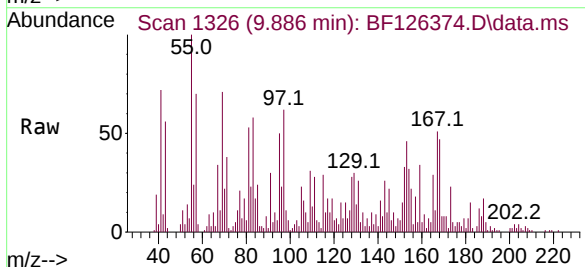
Tgt Ion:154 Resp: 17220

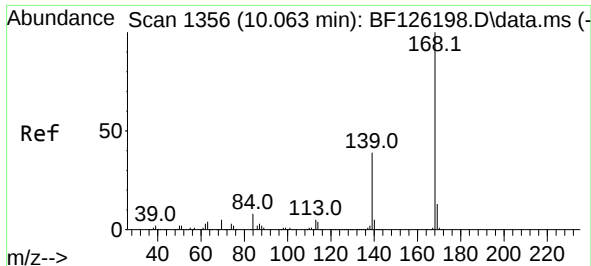
Ion Ratio Lower Upper

154 100

153 145.8 89.4 134.2#

152 102.5 40.5 60.7#

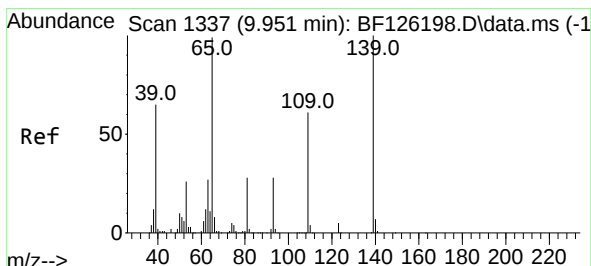
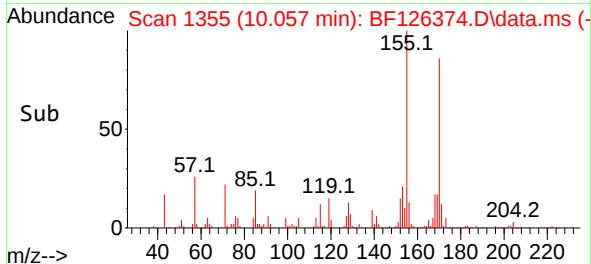
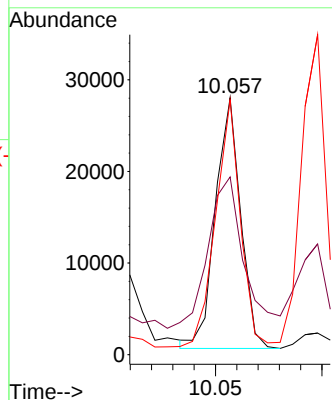
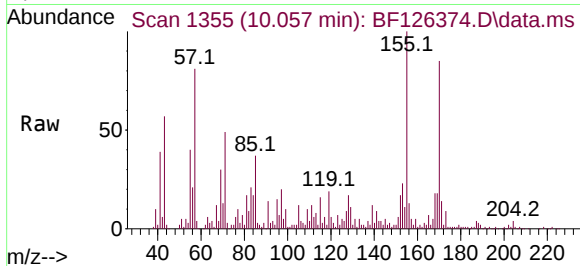




#55
Dibenzenofuran
Concen: 2.726 ng
RT: 10.057 min Scan# 1355
Delta R.T. -0.006 min
Lab File: BF126374.D
Acq: 28 Dec 2021 00:49

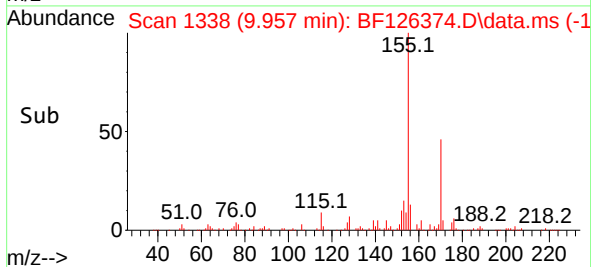
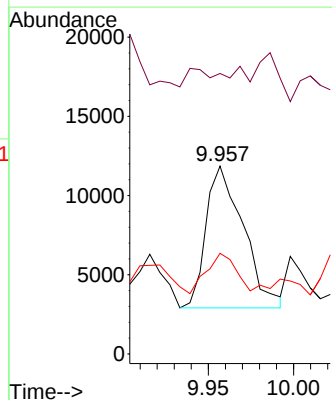
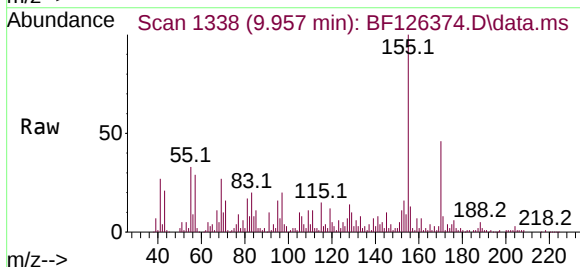
Instrument :
BNA_F
ClientSampleId :
VAULT-WASTE

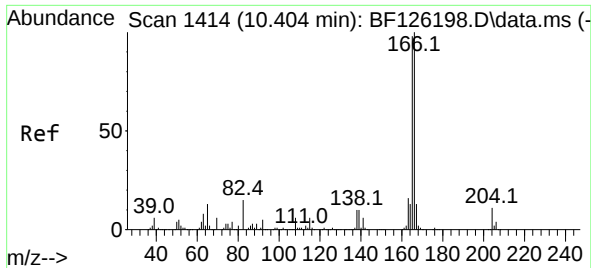
Tgt Ion:168 Resp: 22546
Ion Ratio Lower Upper
168 100
139 69.1 32.7 49.1#
169 99.2 11.2 16.8#



#56
4-Nitrophenol
Concen: 9.814 ng
RT: 9.957 min Scan# 1338
Delta R.T. -0.006 min
Lab File: BF126374.D
Acq: 28 Dec 2021 00:49

Tgt Ion:139 Resp: 13613
Ion Ratio Lower Upper
139 100
109 149.4 60.4 100.4#
65 53.6 58.4 98.4#

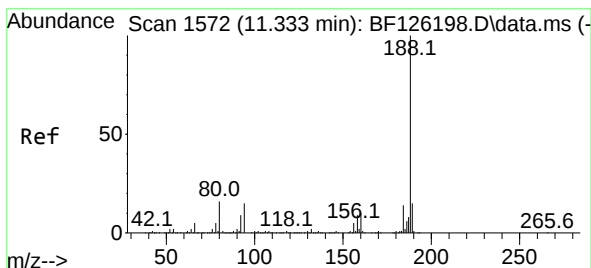
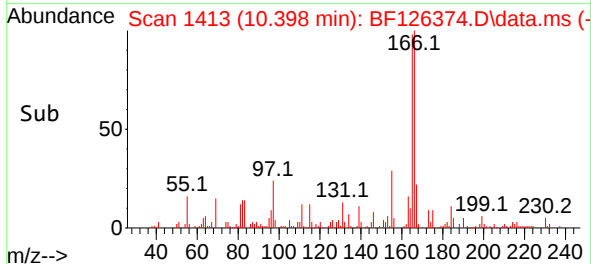
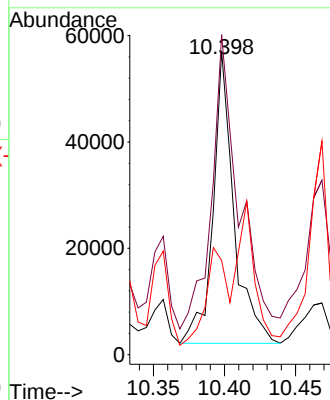
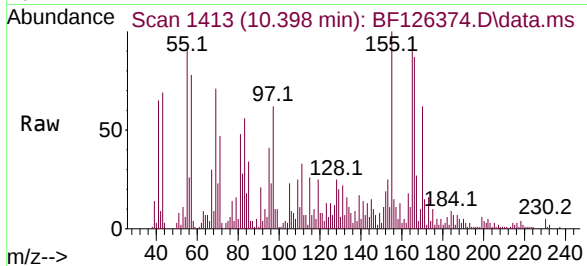




#58
Fluorene
Concen: 9.355 ng
RT: 10.398 min Scan# 1414
Delta R.T. -0.006 min
Lab File: BF126374.D
Acq: 28 Dec 2021 00:49

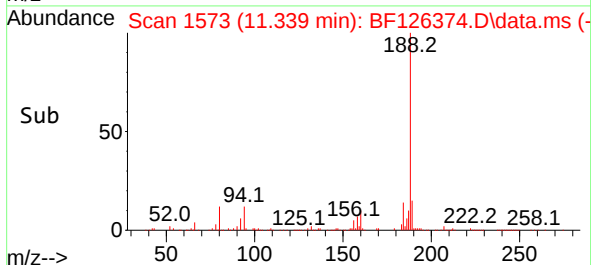
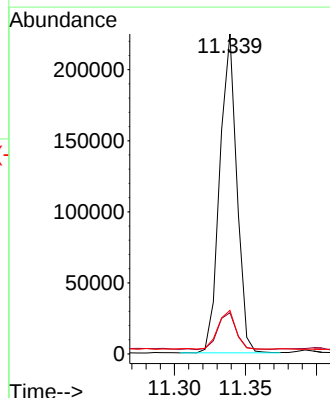
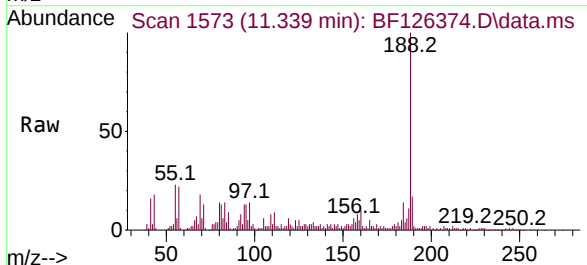
Instrument :
BNA_F
ClientSampleId :
VAULT-WASTE

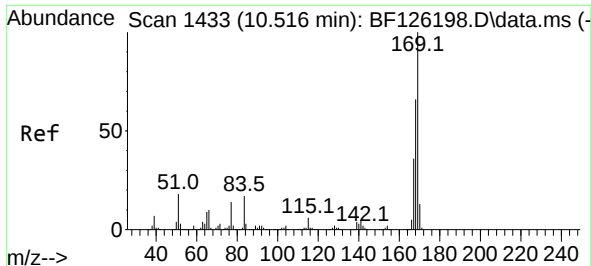
Tgt Ion:166 Resp: 56011
Ion Ratio Lower Upper
166 100
165 105.5 78.1 117.1
167 31.1 11.1 16.7#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.000 min
Lab File: BF126374.D
Acq: 28 Dec 2021 00:49

Tgt Ion:188 Resp: 186820
Ion Ratio Lower Upper
188 100
94 12.9 6.7 10.1#
80 13.6 7.5 11.3#

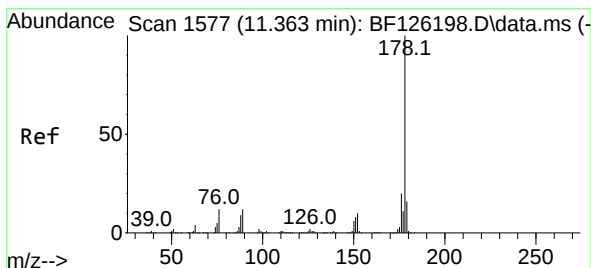
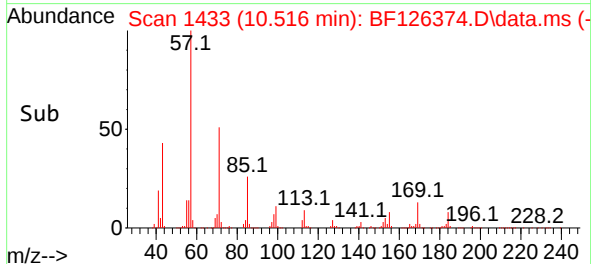
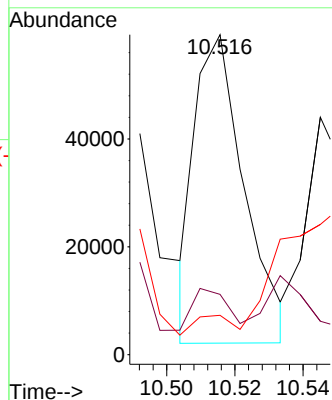
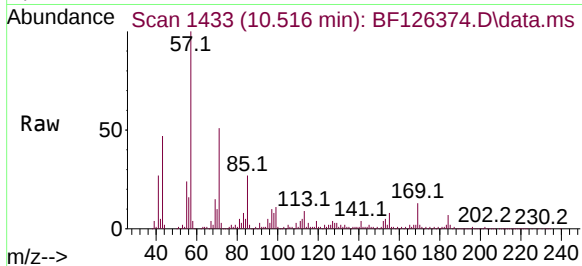




#66
n-Nitrosodiphenylamine
Concen: 9.572 ng
RT: 10.516 min Scan# 1433
Delta R.T. -0.000 min
Lab File: BF126374.D
Acq: 28 Dec 2021 00:49

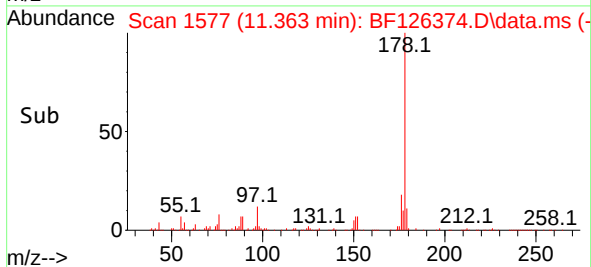
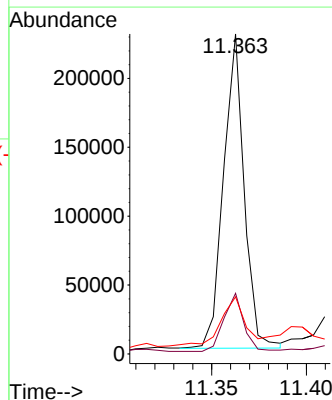
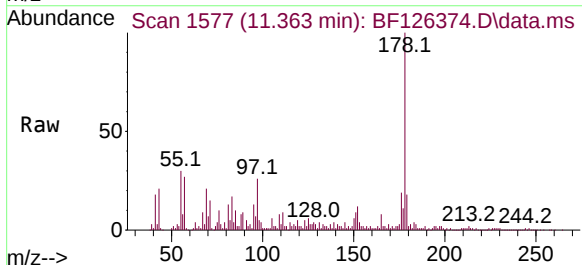
Instrument :
BNA_F
ClientSampleId :
VAULT-WASTE

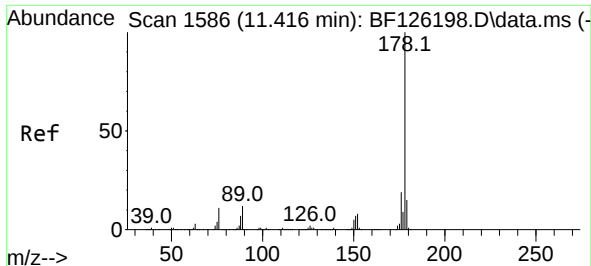
Tgt Ion:169 Resp: 57391
Ion Ratio Lower Upper
169 100
168 18.8 50.8 76.2#
167 12.3 28.8 43.2#



#71
Phenanthrene
Concen: 17.937 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.000 min
Lab File: BF126374.D
Acq: 28 Dec 2021 00:49

Tgt Ion:178 Resp: 172957
Ion Ratio Lower Upper
178 100
176 18.9 14.7 22.1
179 17.9 11.5 17.3#

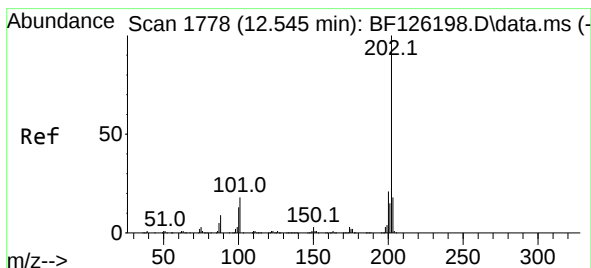
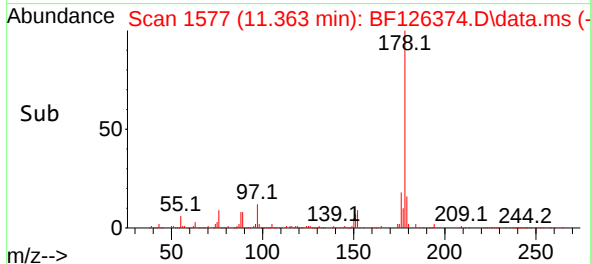
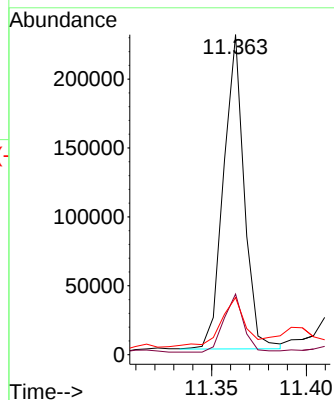
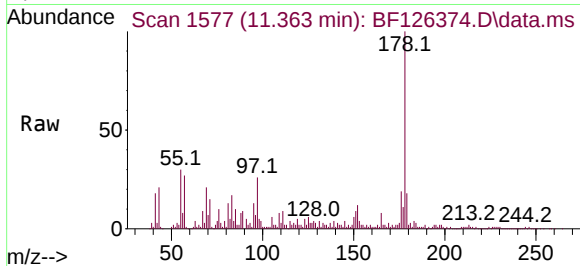




#72
 Anthracene
 Concen: 17.871 ng
 RT: 11.363 min Scan# 11
 Delta R.T. -0.053 min
 Lab File: BF126374.D
 Acq: 28 Dec 2021 00:49

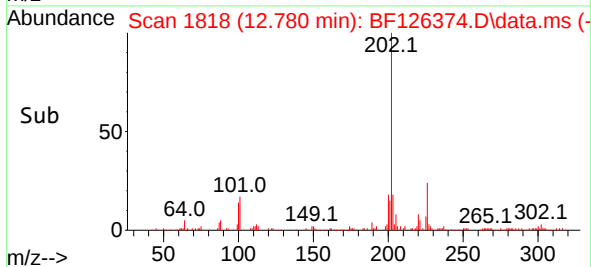
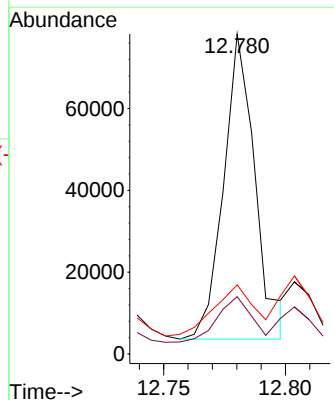
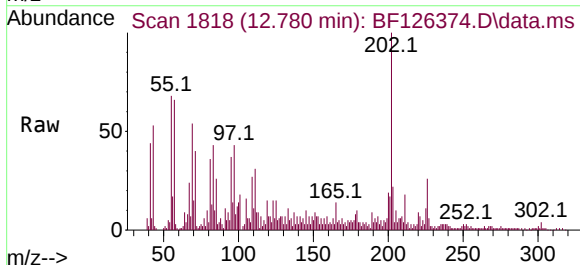
Instrument :
 BNA_F
 ClientSampleId :
 VAULT-WASTE

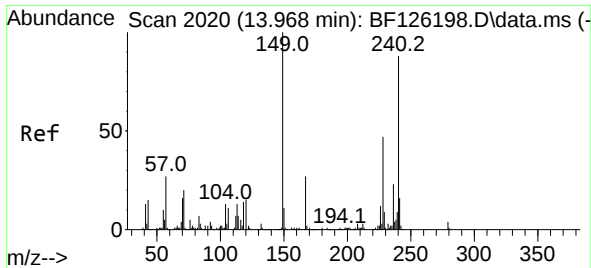
Tgt Ion:178 Resp: 172957
 Ion Ratio Lower Upper
 178 100
 176 18.9 14.3 21.5
 179 17.9 12.2 18.4



#75
 Fluoranthene
 Concen: 7.724 ng
 RT: 12.780 min Scan# 1818
 Delta R.T. 0.229 min
 Lab File: BF126374.D
 Acq: 28 Dec 2021 00:49

Tgt Ion:202 Resp: 67104
 Ion Ratio Lower Upper
 202 100
 101 17.9 0.0 30.7
 203 21.6 0.0 36.3

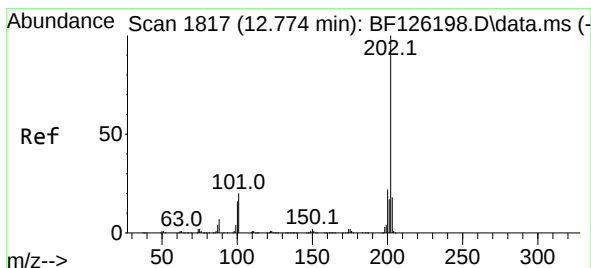
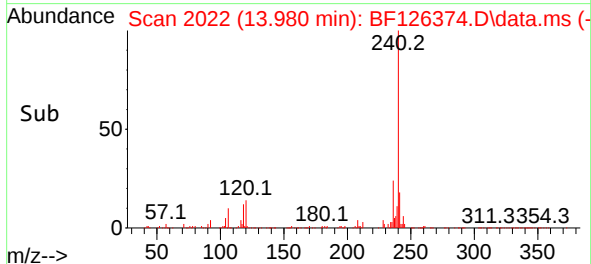
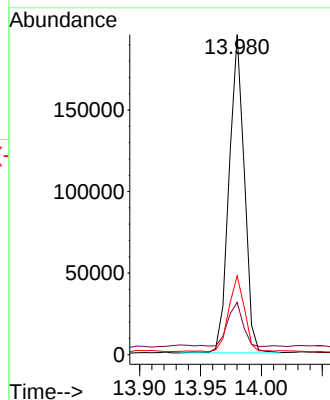
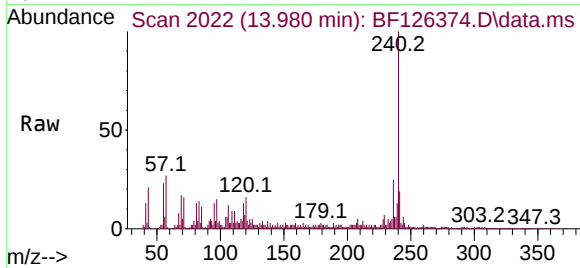




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 20
Delta R.T. -0.000 min
Lab File: BF126374.D
Acq: 28 Dec 2021 00:49

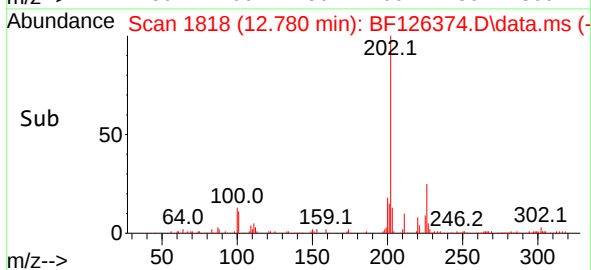
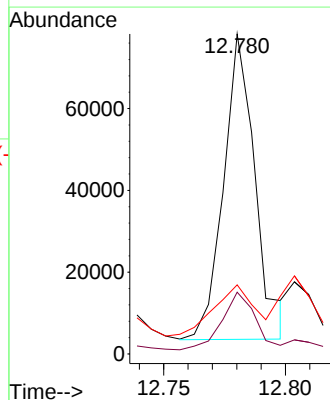
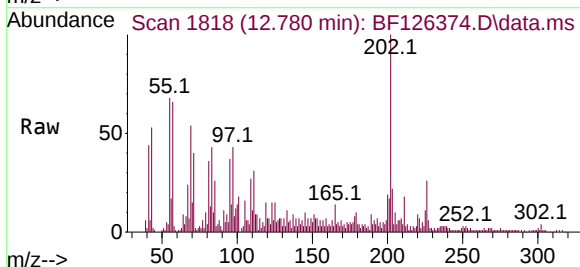
Instrument :
BNA_F
ClientSampleId :
VAULT-WASTE

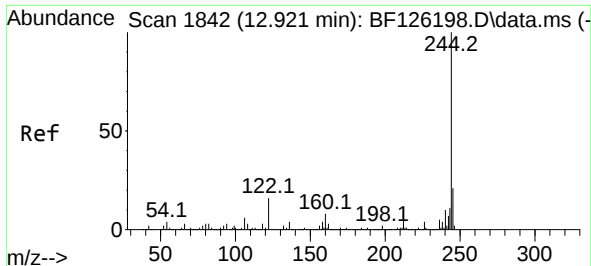
Tgt Ion:240 Resp: 170338
Ion Ratio Lower Upper
240 100
120 16.4 10.8 16.2#
236 24.7 21.6 32.4



#78
Pyrene
Concen: 4.301 ng
RT: 12.780 min Scan# 1818
Delta R.T. -0.000 min
Lab File: BF126374.D
Acq: 28 Dec 2021 00:49

Tgt Ion:202 Resp: 67305
Ion Ratio Lower Upper
202 100
200 19.3 15.3 22.9
203 21.6 13.4 20.0#

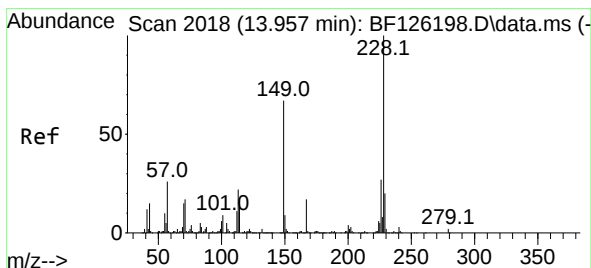
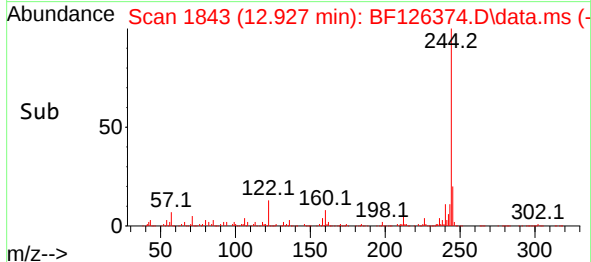
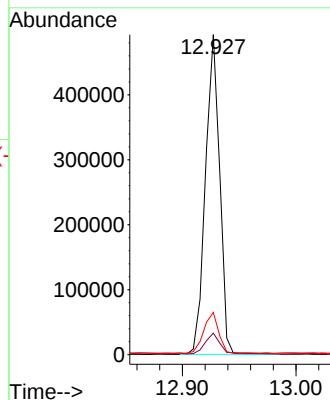
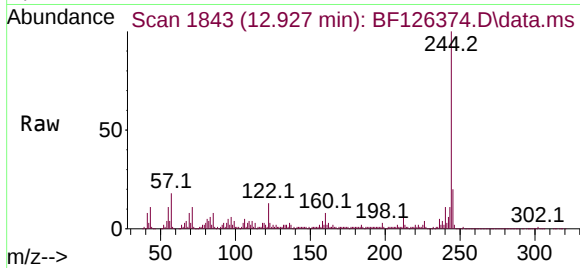




#79
 Terphenyl-d14
 Concen: 43.510 ng
 RT: 12.927 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF126374.D
 Acq: 28 Dec 2021 00:49

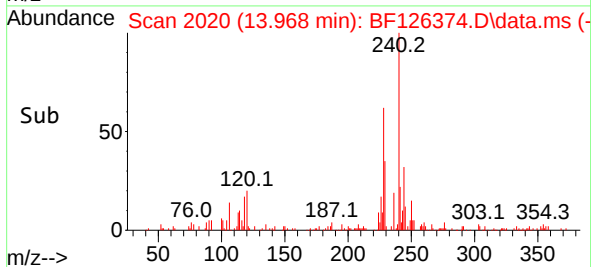
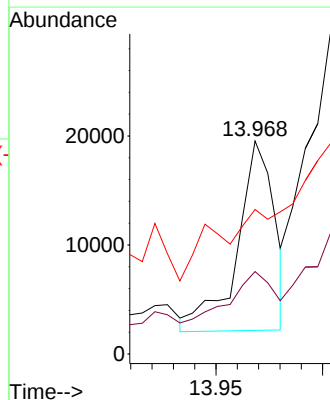
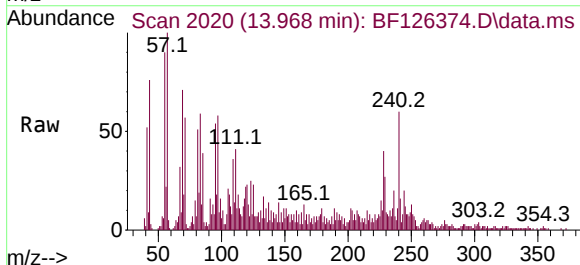
Instrument :
 BNA_F
 ClientSampleId :
 VAULT-WASTE

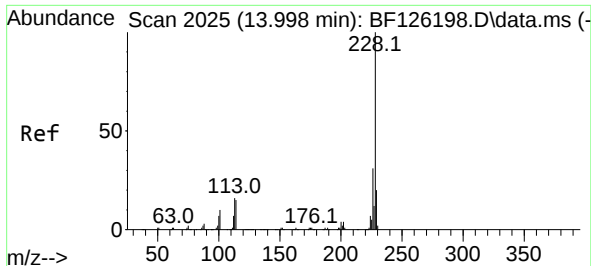
Tgt Ion:244 Resp: 426405
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.9 8.9
 122 13.2 9.0 13.4



#81
 Benzo(a)anthracene
 Concen: 2.101 ng
 RT: 13.968 min Scan# 2020
 Delta R.T. -0.000 min
 Lab File: BF126374.D
 Acq: 28 Dec 2021 00:49

Tgt Ion:228 Resp: 21194
 Ion Ratio Lower Upper
 228 100
 226 38.7 21.6 32.4#
 229 67.8 15.6 23.4#

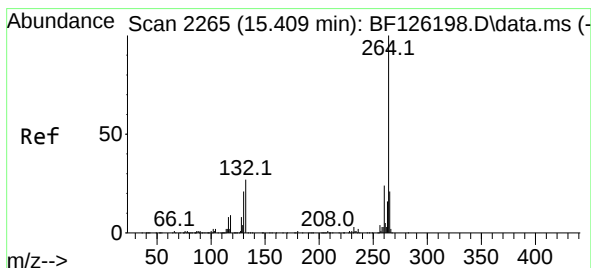
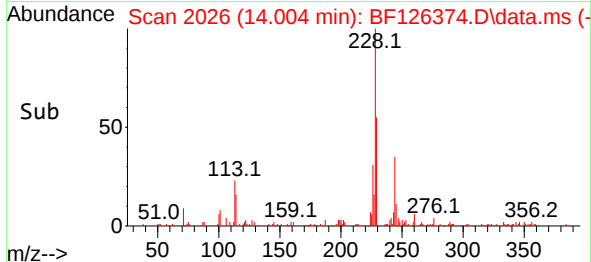
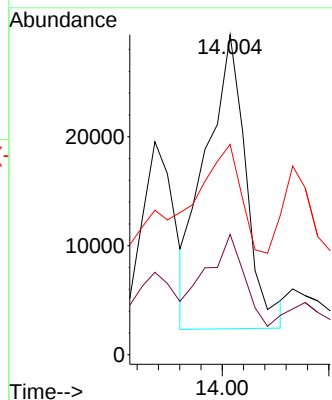
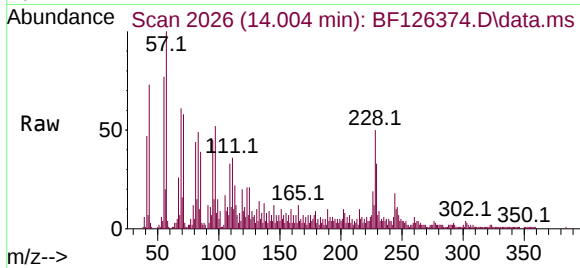




#83
Chrysene
Concen: 3.406 ng
RT: 14.004 min Scan# 20
Delta R.T. -0.000 min
Lab File: BF126374.D
Acq: 28 Dec 2021 00:49

Instrument :
BNA_F
ClientSampleId :
VAULT-WASTE

Tgt Ion:228 Resp: 35711
Ion Ratio Lower Upper
228 100
226 37.6 22.6 34.0#
229 65.7 15.9 23.9#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.433 min Scan# 2269
Delta R.T. 0.006 min
Lab File: BF126374.D
Acq: 28 Dec 2021 00:49

Tgt Ion:264 Resp: 126541
Ion Ratio Lower Upper
264 100
260 23.7 19.6 29.4
265 21.2 17.2 25.8

