

Data Path : Z:\svoasrv\HPCHEM1\BNA\_F\Data\BF072721\  
 Data File : BF124809.D  
 Acq On : 27 Jul 2021 23:46  
 Operator : JU/CG  
 Sample : M3165-01  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampled :  
 COMP-1

Quant Time: Jul 28 03:08:26 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF072221.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jul 22 15:28:57 2021  
 Response via : Initial Calibration

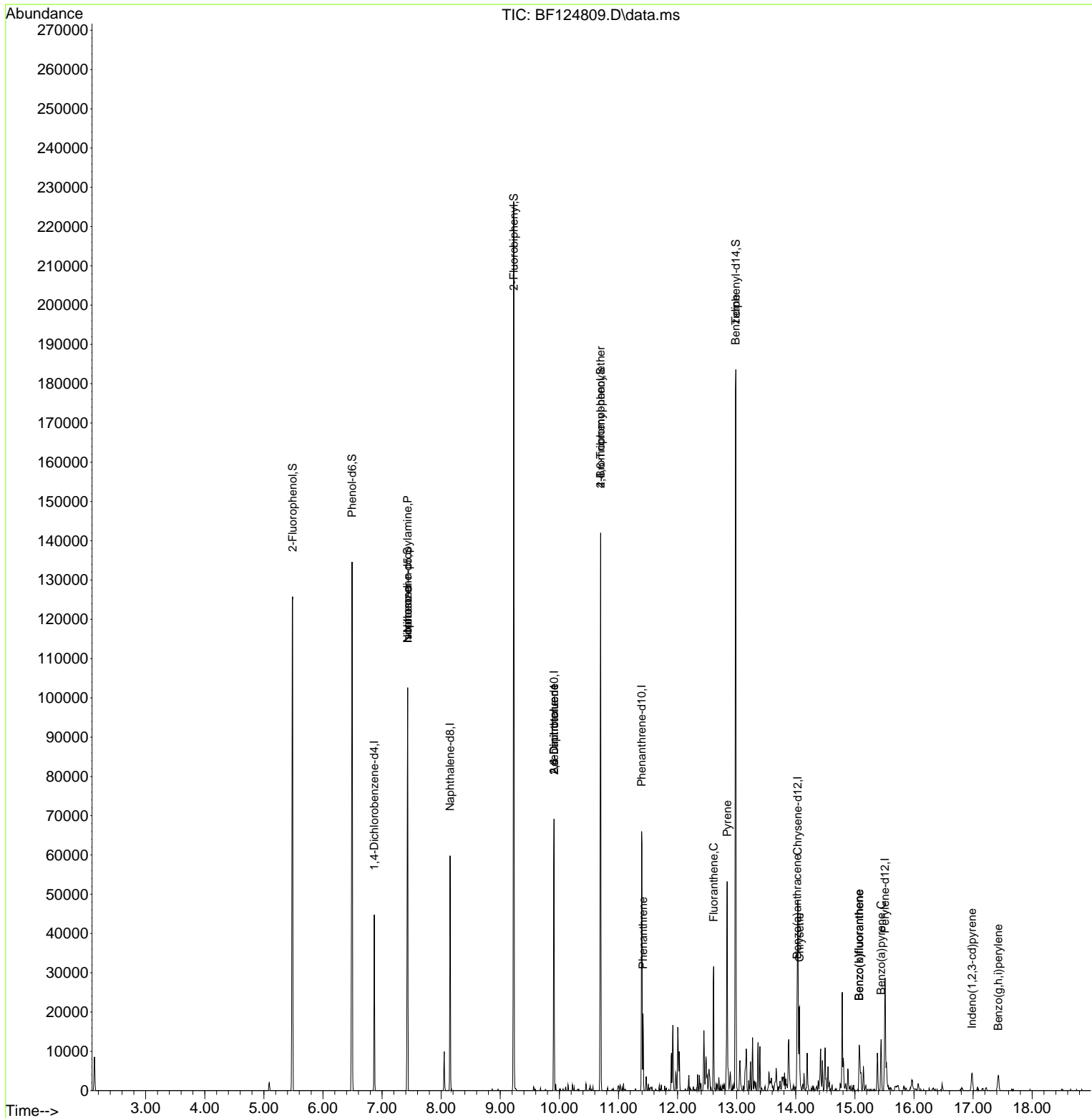
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	6394	20.00	ng	0.00
21) Naphthalene-d8	8.151	136	23875	20.00	ng	# 0.00
39) Acenaphthene-d10	9.910	164	14441	20.00	ng	0.00
64) Phenanthrene-d10	11.392	188	26373	20.00	ng	0.00
76) Chrysene-d12	14.033	240	14757	20.00	ng	0.00
86) Perylene-d12	15.509	264	13895	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	35907	95.08	ng	0.00
7) Phenol-d6	6.492	99	45058	95.17	ng	0.00
23) Nitrobenzene-d5	7.434	82	29470	73.47	ng	0.00
42) 2,4,6-Tribromophenol	10.698	330	13330	107.51	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	61799	62.85	ng	0.00
79) Terphenyl-d14	12.986	244	66917	77.73	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.434	70	3997	15.81	ng	# 65
25) Isophorone	7.434	82	29469	41.55	ng	# 59
51) 2,6-Dinitrotoluene	9.910	165	1832	8.34	ng	# 26
57) 2,4-Dinitrotoluene	9.910	165	1832	6.15	ng	# 18
67) 4-Bromophenyl-phenylether	10.698	248	962	3.44	ng	# 1
71) Phenanthrene	11.416	178	7502	5.29	ng	97
75) Fluoranthene	12.610	202	12884	8.90	ng	97
77) Benzidine	12.980	184	899	2.16	ng	# 69
78) Pyrene	12.839	202	22424	19.19	ng	98
81) Benzo(a)anthracene	14.021	228	8823	9.15	ng	96
83) Chrysene	14.062	228	9970	10.73	ng	97
87) Indeno(1,2,3-cd)pyrene	16.980	276	3913	4.88	ng	# 85
88) Benzo(b)fluoranthene	15.074	252	10146	10.37	ng	96
89) Benzo(k)fluoranthene	15.074	252	10146	11.35	ng	# 92
90) Benzo(a)pyrene	15.445	252	7778	9.52	ng	94
92) Benzo(g,h,i)perylene	17.427	276	4074	6.12	ng	92

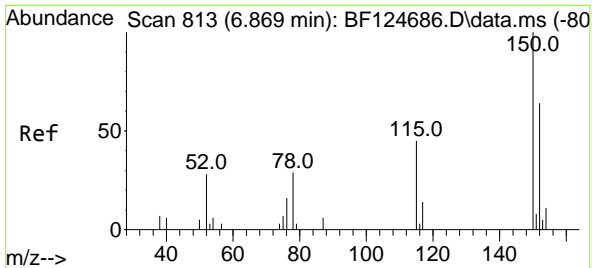
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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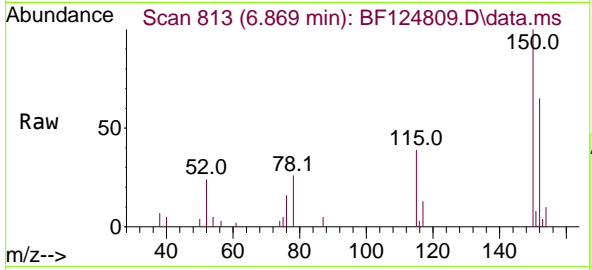
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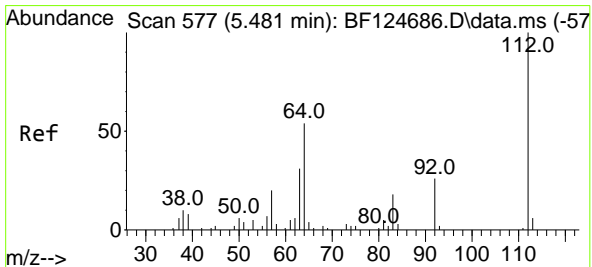
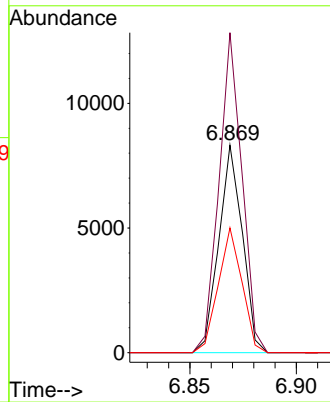
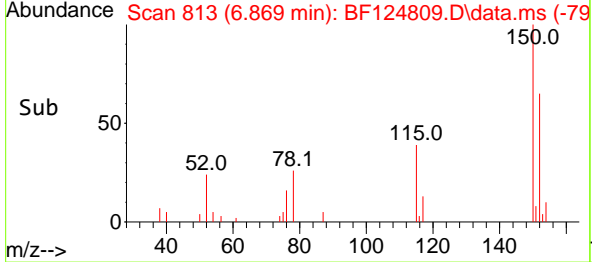


#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.869 min Scan# 813  
 Delta R.T. -0.000 min  
 Lab File: BF124809.D  
 Acq: 27 Jul 2021 23:46

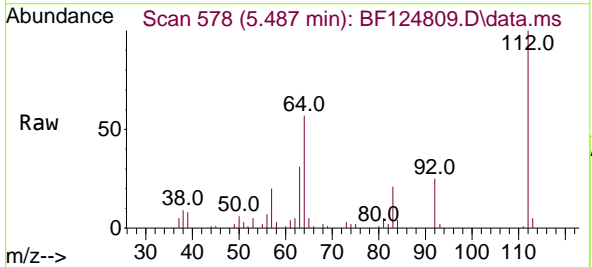
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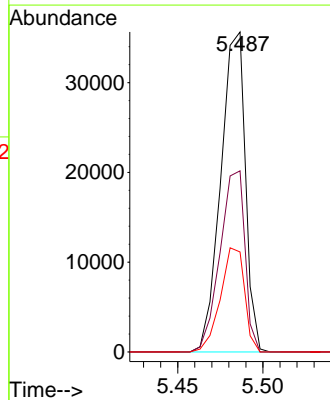
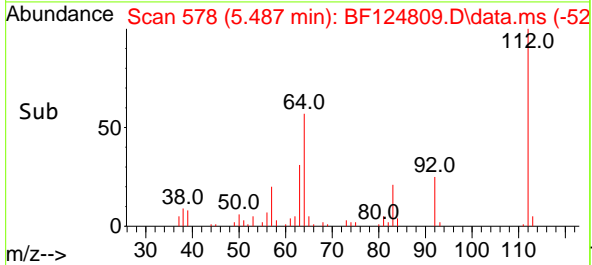
Tgt Ion:152 Resp: 6394  
 Ion Ratio Lower Upper  
 152 100  
 150 154.2 117.6 176.4  
 115 60.2 47.1 70.7

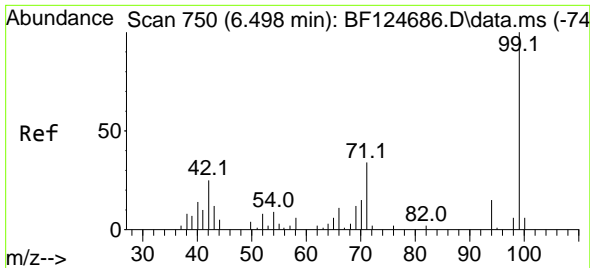


#5  
 2-Fluorophenol  
 Concen: 95.08 ng  
 RT: 5.487 min Scan# 578  
 Delta R.T. 0.006 min  
 Lab File: BF124809.D  
 Acq: 27 Jul 2021 23:46



Tgt Ion:112 Resp: 35907  
 Ion Ratio Lower Upper  
 112 100  
 64 56.6 44.2 66.2  
 63 31.2 26.2 39.2

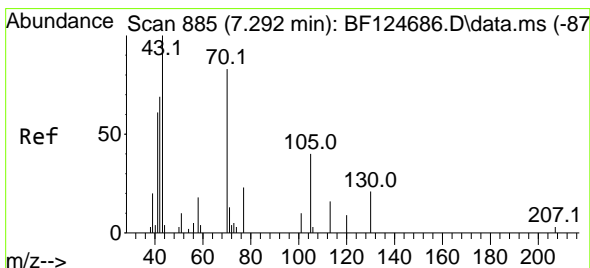
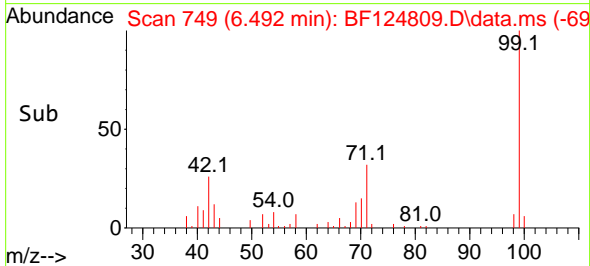
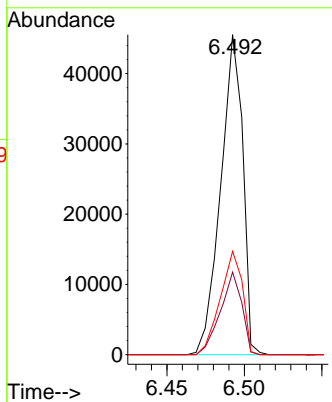
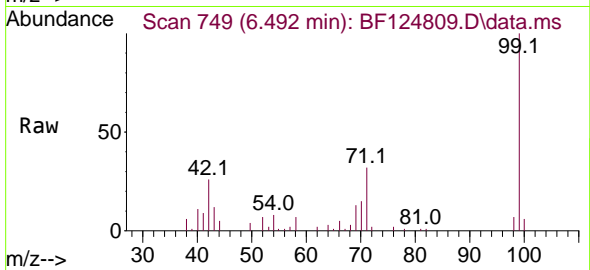




#7  
 Phenol-d6  
 Concen: 95.17 ng  
 RT: 6.492 min Scan# 749  
 Delta R.T. -0.006 min  
 Lab File: BF124809.D  
 Acq: 27 Jul 2021 23:46

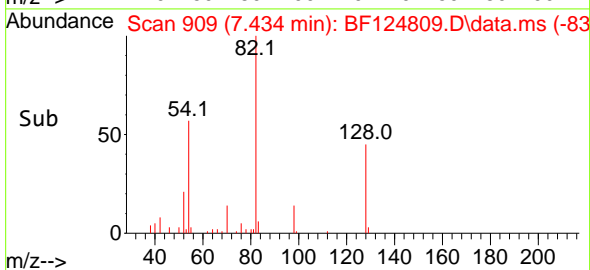
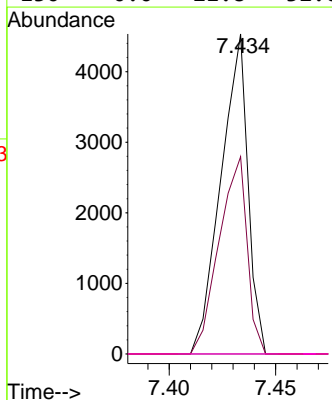
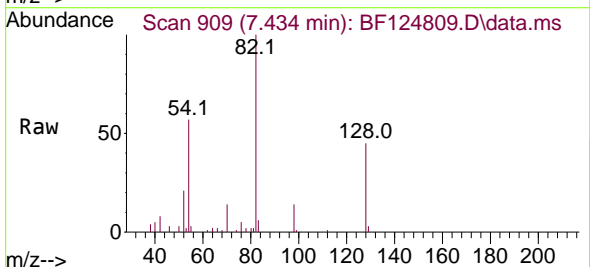
Instrument :  
 BNA\_F  
 ClientSampled :  
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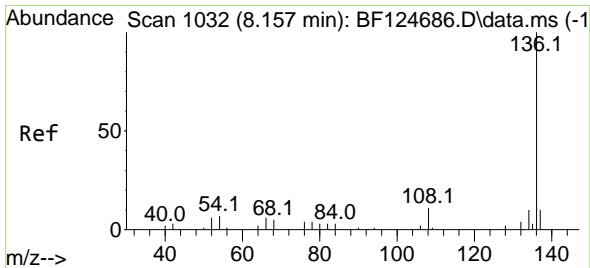
Tgt Ion	Resp	Lower	Upper
99	45058		
99	100		
42	25.8	23.5	35.3
71	32.3	25.6	38.4



#19  
 n-Nitroso-di-n-propylamine  
 Concen: 15.81 ng  
 RT: 7.434 min Scan# 909  
 Delta R.T. 0.141 min  
 Lab File: BF124809.D  
 Acq: 27 Jul 2021 23:46

Tgt Ion	Resp	Lower	Upper
70	3997		
70	100		
42	61.6	72.2	108.2#
101	0.0	7.8	11.8#
130	0.0	21.8	32.6#



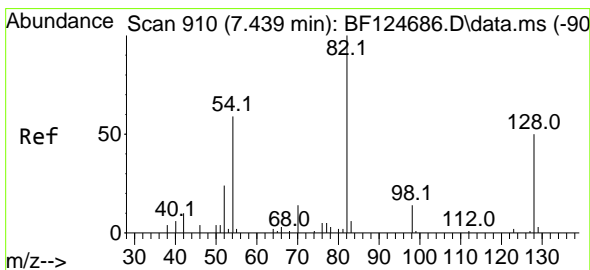
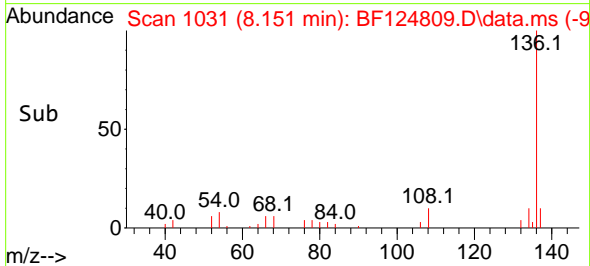
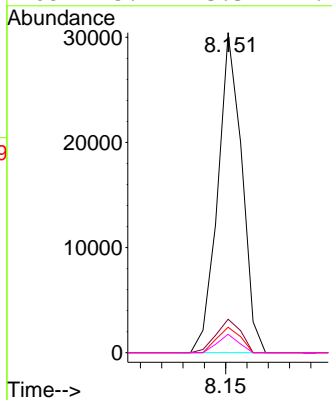
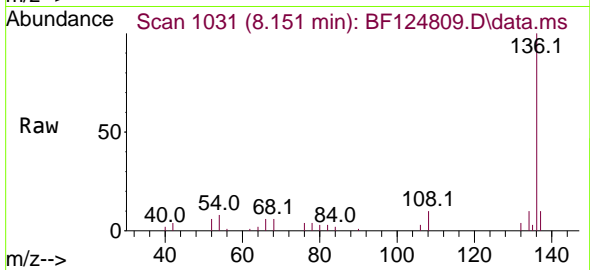


#21  
 Naphthalene-d8  
 Concen: 20.00 ng  
 RT: 8.151 min Scan# 1031  
 Delta R.T. -0.006 min  
 Lab File: BF124809.D  
 Acq: 27 Jul 2021 23:46

**Instrument :**  
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Tgt Ion:136 Resp: 23875

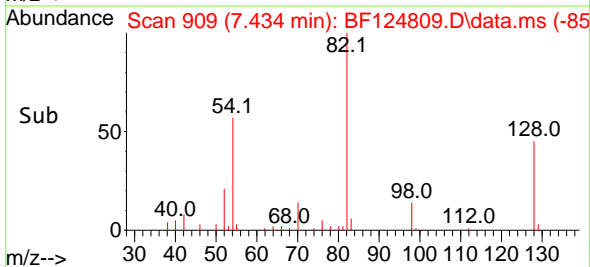
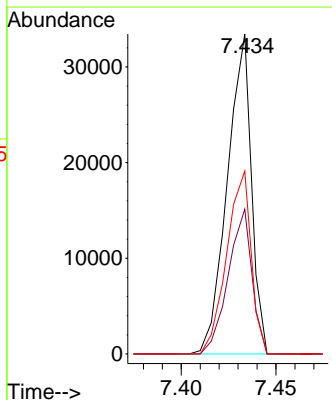
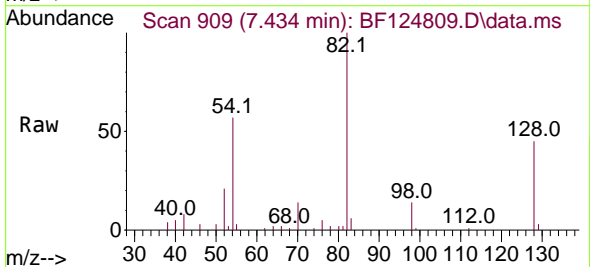
Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.8	14.6
54	8.0	6.4	9.6
68	5.7	3.3	4.9#

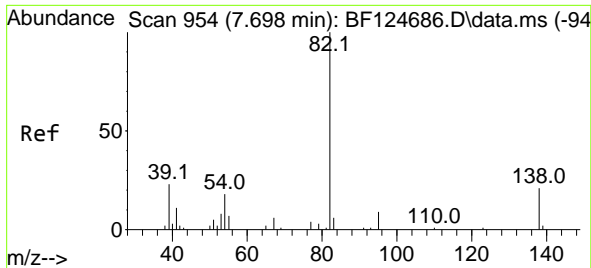


#23  
 Nitrobenzene-d5  
 Concen: 73.47 ng  
 RT: 7.434 min Scan# 909  
 Delta R.T. -0.006 min  
 Lab File: BF124809.D  
 Acq: 27 Jul 2021 23:46

Tgt Ion: 82 Resp: 29470

Ion	Ratio	Lower	Upper
82	100		
128	45.3	40.6	60.8
54	57.1	49.6	74.4

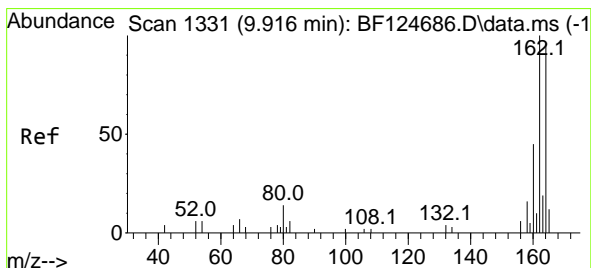
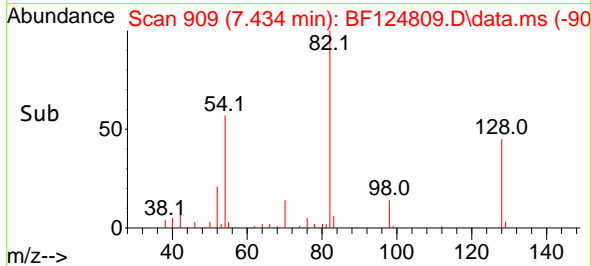
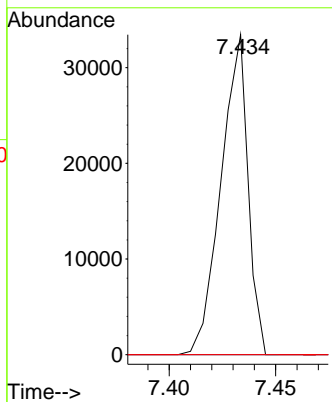
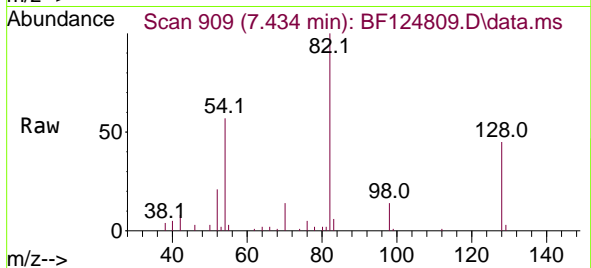




#25  
 Isophorone  
 Concen: 41.55 ng  
 RT: 7.434 min Scan# 909  
 Delta R.T. -0.265 min  
 Lab File: BF124809.D  
 Acq: 27 Jul 2021 23:46

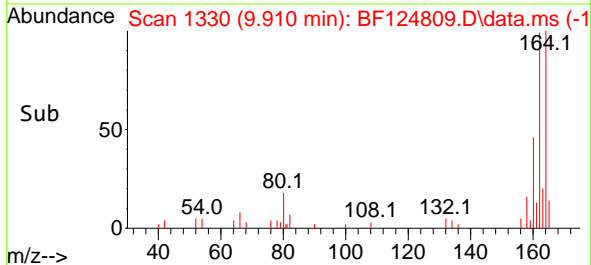
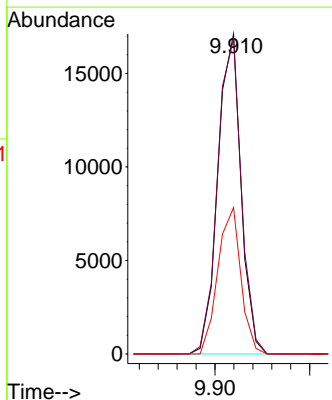
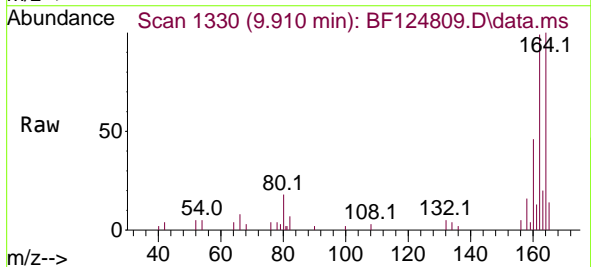
Instrument :  
 BNA\_F  
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 COMP-1

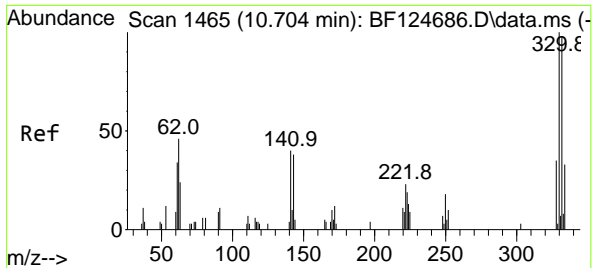
Tgt Ion: 82 Resp: 29469  
 Ion Ratio Lower Upper  
 82 100  
 95 0.0 6.5 9.7#  
 138 0.0 18.4 27.6#



#39  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.910 min Scan# 1330  
 Delta R.T. -0.006 min  
 Lab File: BF124809.D  
 Acq: 27 Jul 2021 23:46

Tgt Ion:164 Resp: 14441  
 Ion Ratio Lower Upper  
 164 100  
 162 98.5 81.3 121.9  
 160 45.8 38.0 57.0

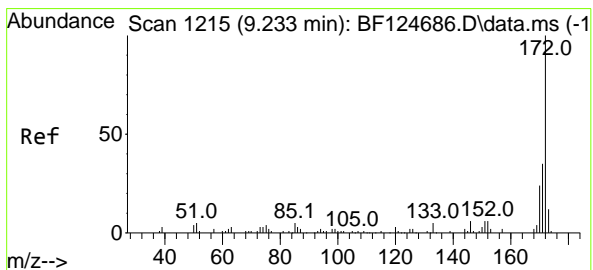
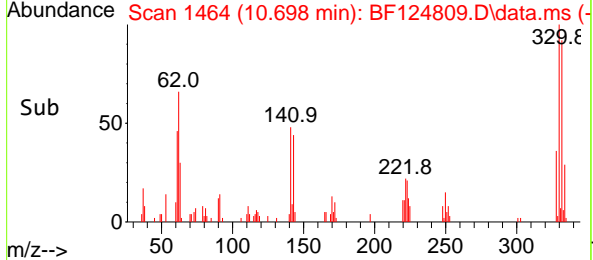
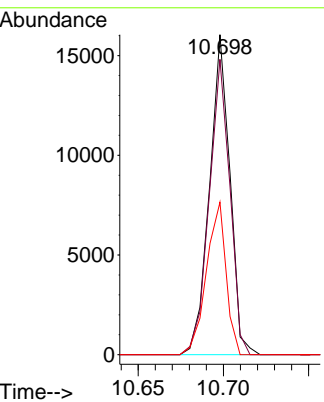
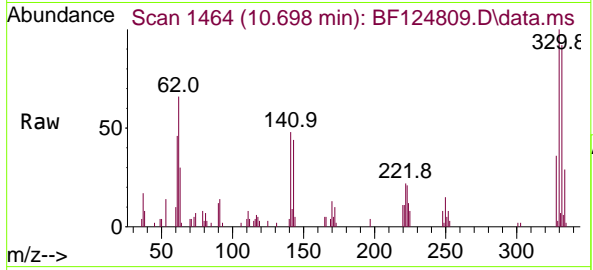




#42  
 2,4,6-Tribromophenol  
 Concen: 107.51 ng  
 RT: 10.698 min Scan# 1464  
 Delta R.T. -0.006 min  
 Lab File: BF124809.D  
 Acq: 27 Jul 2021 23:46

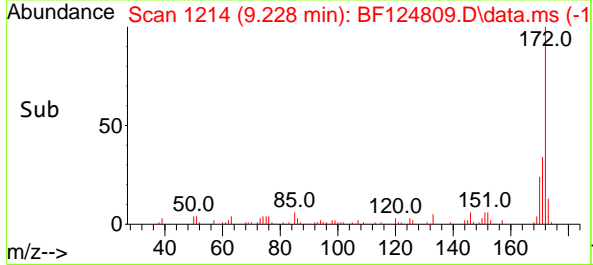
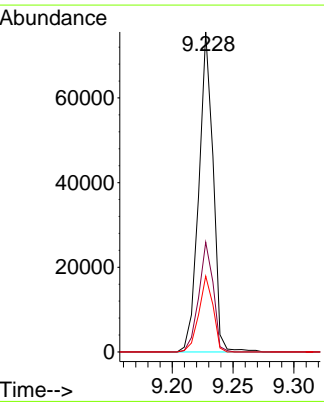
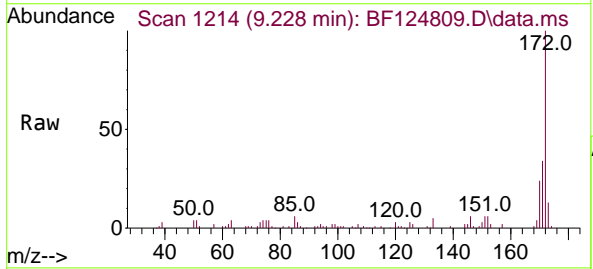
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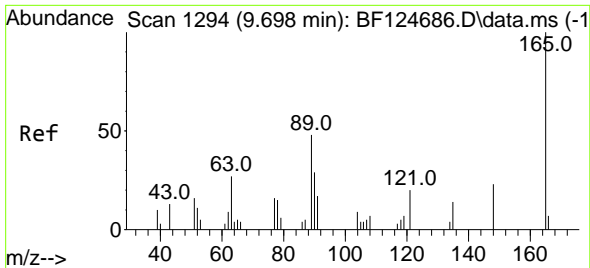
Tgt Ion	Resp	Lower	Upper
330	100		
332	93.3	76.2	114.4
141	45.9	44.6	66.8



#45  
 2-Fluorobiphenyl  
 Concen: 62.85 ng  
 RT: 9.228 min Scan# 1214  
 Delta R.T. -0.006 min  
 Lab File: BF124809.D  
 Acq: 27 Jul 2021 23:46

Tgt Ion	Resp	Lower	Upper
172	100		
171	34.3	26.5	39.7
170	23.7	18.8	28.2

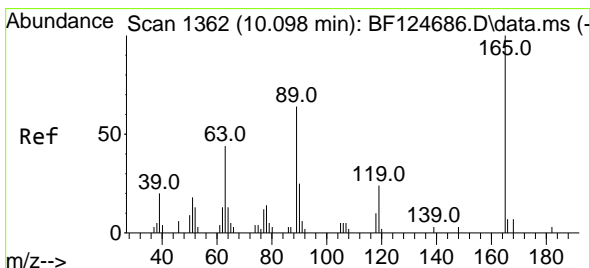
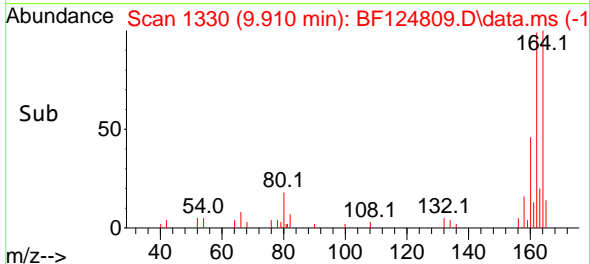
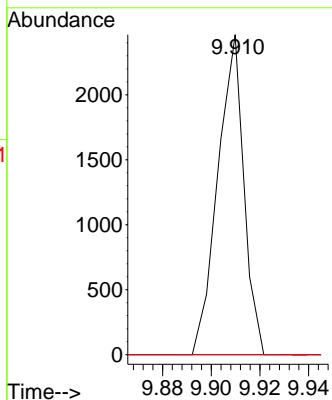
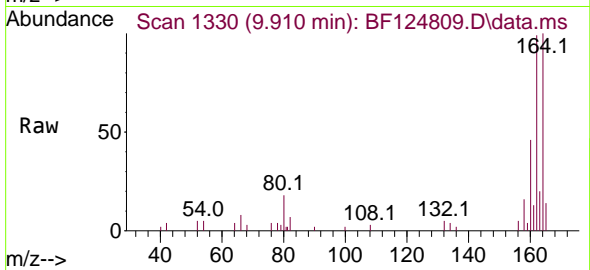




#51  
 2,6-Dinitrotoluene  
 Concen: 8.34 ng  
 RT: 9.910 min Scan# 1330  
 Delta R.T. 0.212 min  
 Lab File: BF124809.D  
 Acq: 27 Jul 2021 23:46

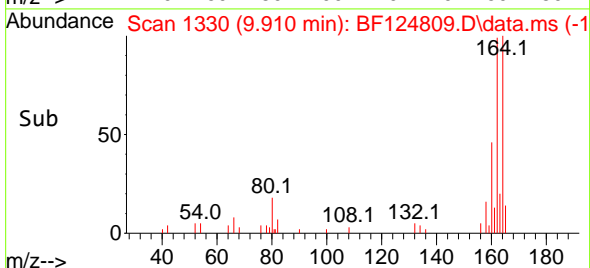
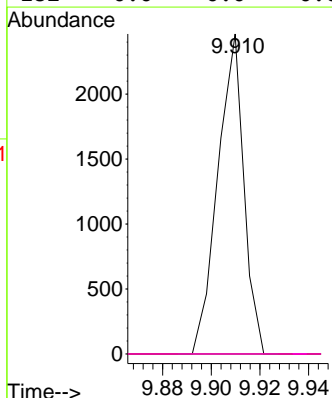
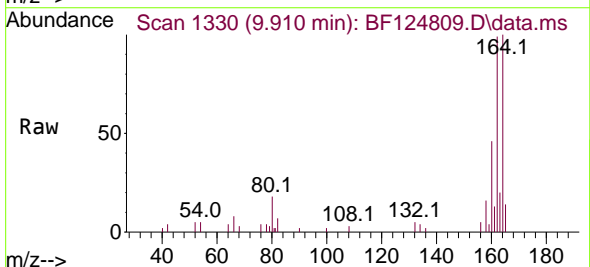
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Tgt Ion	Resp	Lower	Upper
165	100		
63	0.0	42.6	63.8#
89	0.0	40.6	60.8#

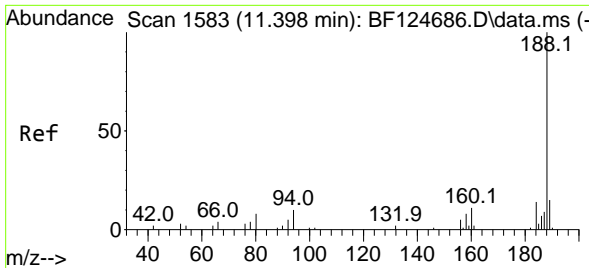


#57  
 2,4-Dinitrotoluene  
 Concen: 6.15 ng  
 RT: 9.910 min Scan# 1330  
 Delta R.T. -0.188 min  
 Lab File: BF124809.D  
 Acq: 27 Jul 2021 23:46

Tgt Ion	Resp	Lower	Upper
165	100		
63	0.0	40.9	61.3#
89	0.0	59.7	89.5#
182	0.0	0.0	0.0



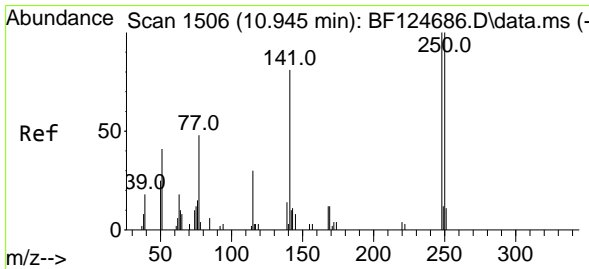
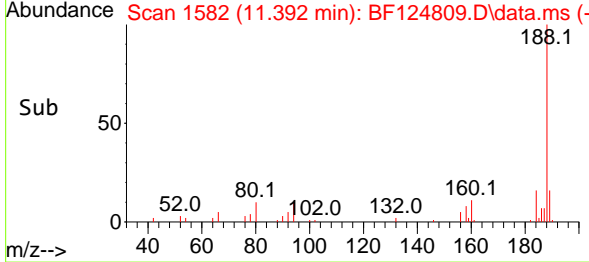
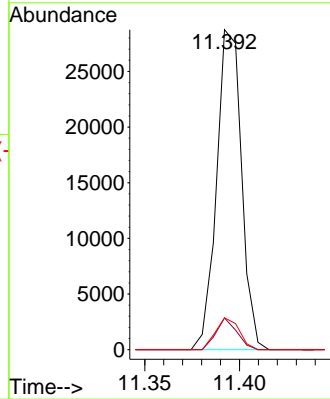
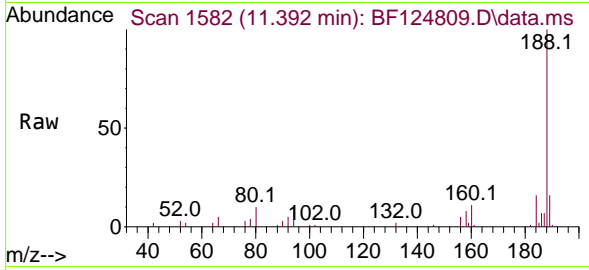




#64  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.392 min Scan# 1582  
 Delta R.T. -0.006 min  
 Lab File: BF124809.D  
 Acq: 27 Jul 2021 23:46

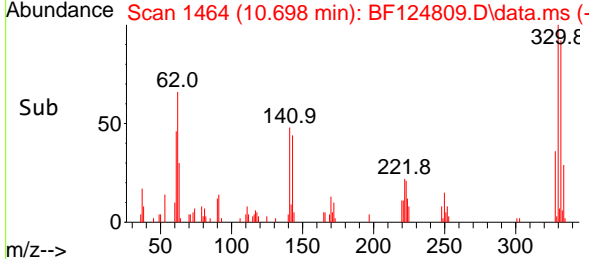
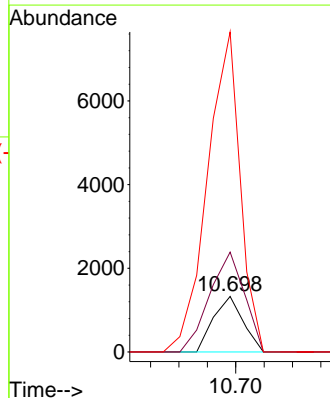
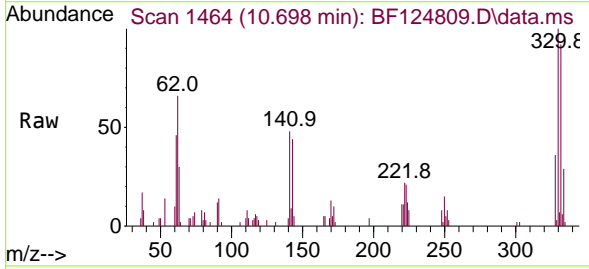
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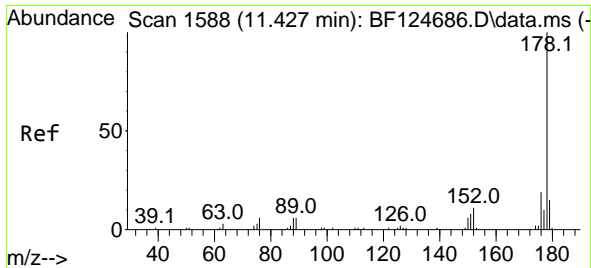
Tgt Ion	Resp	Lower	Upper
188	100		
94	9.9	6.7	10.1
80	10.0	7.5	11.3



#67  
 4-Bromophenyl-phenylether  
 Concen: 3.44 ng  
 RT: 10.698 min Scan# 1464  
 Delta R.T. -0.247 min  
 Lab File: BF124809.D  
 Acq: 27 Jul 2021 23:46

Tgt Ion	Resp	Lower	Upper
248	100		
250	179.5	74.2	111.4#
141	575.5	60.4	90.6#

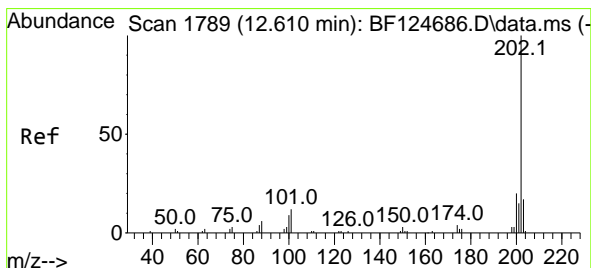
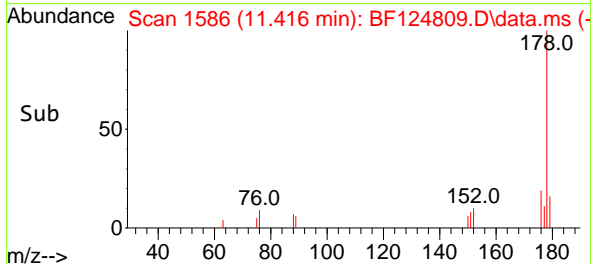
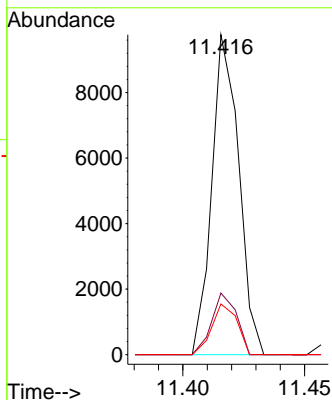
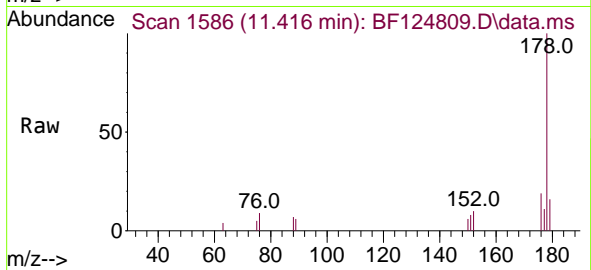




#71  
 Phenanthrene  
 Concen: 5.29 ng  
 RT: 11.416 min Scan# 1586  
 Delta R.T. -0.012 min  
 Lab File: BF124809.D  
 Acq: 27 Jul 2021 23:46

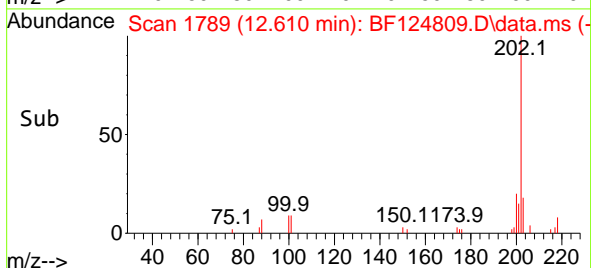
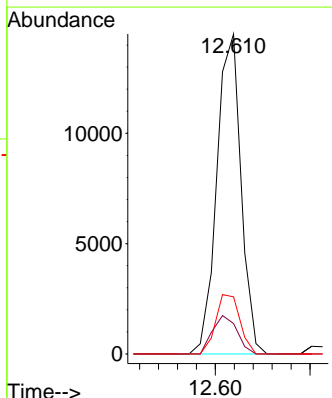
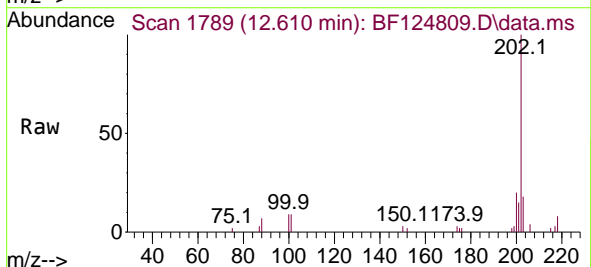
Instrument :  
 BNA\_F  
 ClientSampled :  
 COMP-1

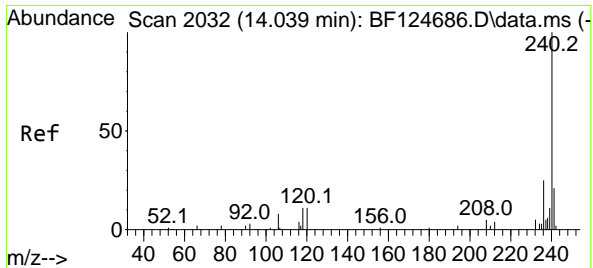
Tgt Ion	Resp	Lower	Upper
178	100		
176	19.2	14.7	22.1
179	15.9	11.5	17.3



#75  
 Fluoranthene  
 Concen: 8.90 ng  
 RT: 12.610 min Scan# 1789  
 Delta R.T. -0.000 min  
 Lab File: BF124809.D  
 Acq: 27 Jul 2021 23:46

Tgt Ion	Resp	Lower	Upper
202	100		
101	9.5	0.0	30.7
203	17.9	0.0	36.3

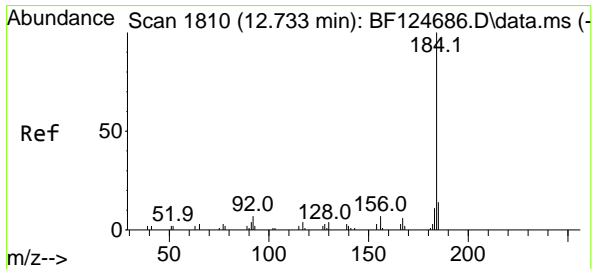
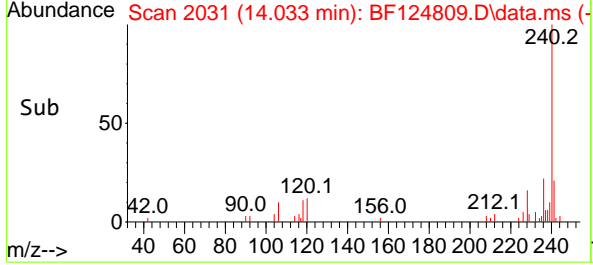
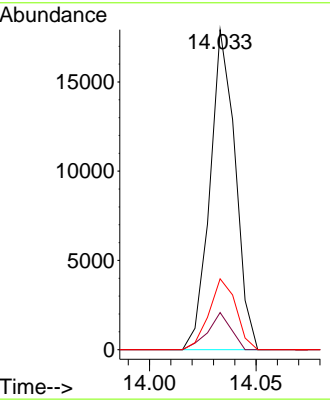
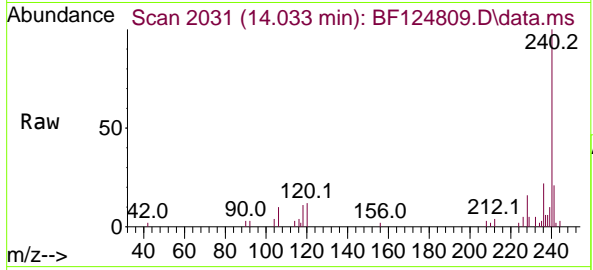




#76  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 14.033 min Scan# 2031  
 Delta R.T. -0.006 min  
 Lab File: BF124809.D  
 Acq: 27 Jul 2021 23:46

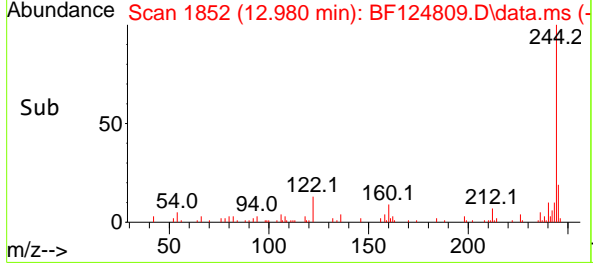
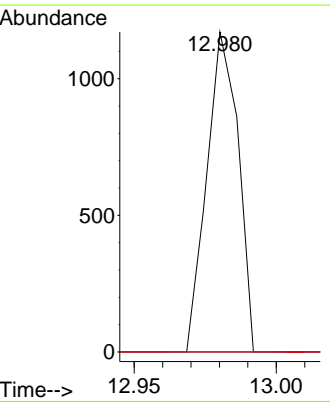
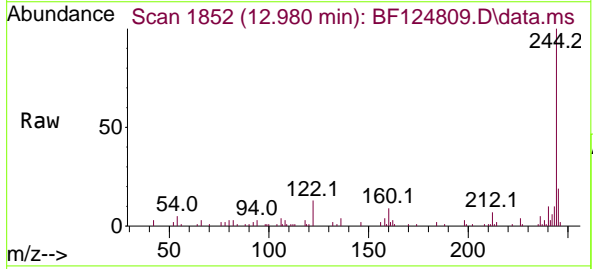
Instrument :  
 BNA\_F  
 ClientSampled :  
 COMP-1

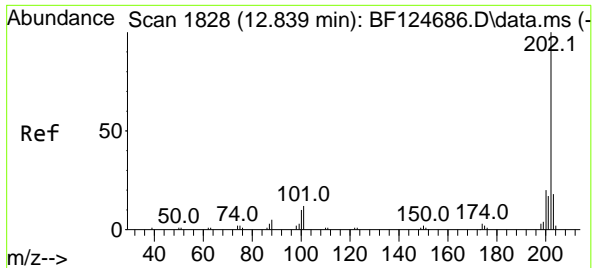
Tgt Ion	Resp	Lower	Upper
240	14757		
120	11.6	10.8	16.2
236	22.2	21.6	32.4



#77  
 Benzidine  
 Concen: 2.16 ng  
 RT: 12.980 min Scan# 1852  
 Delta R.T. 0.247 min  
 Lab File: BF124809.D  
 Acq: 27 Jul 2021 23:46

Tgt Ion	Resp	Lower	Upper
184	899		
185	0.0	10.8	16.2#
183	0.0	8.1	12.1#

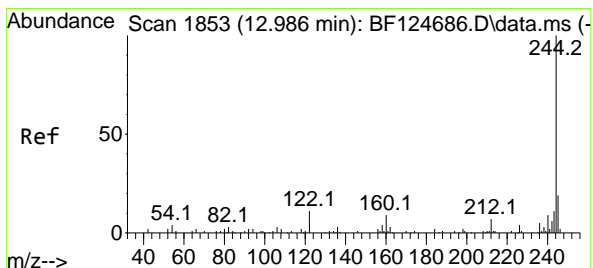
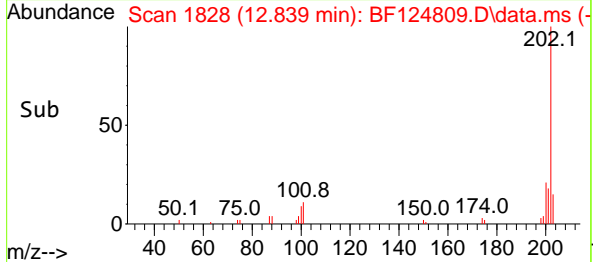
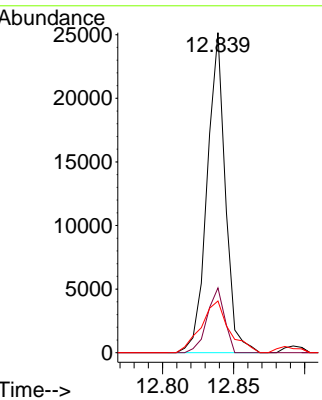
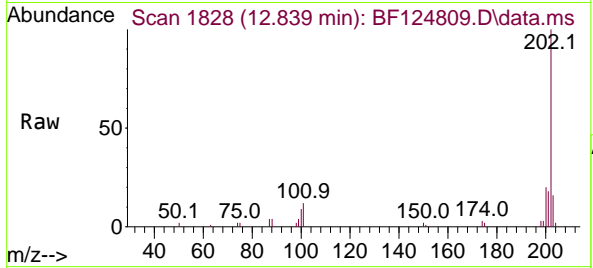




#78  
 Pyrene  
 Concen: 19.19 ng  
 RT: 12.839 min Scan# 1828  
 Delta R.T. -0.000 min  
 Lab File: BF124809.D  
 Acq: 27 Jul 2021 23:46

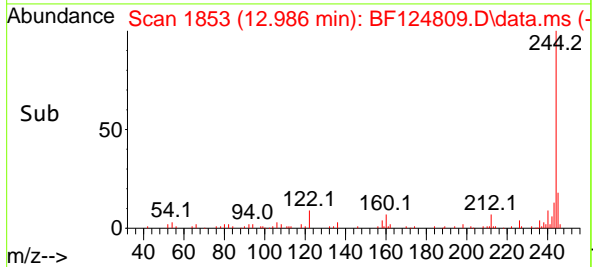
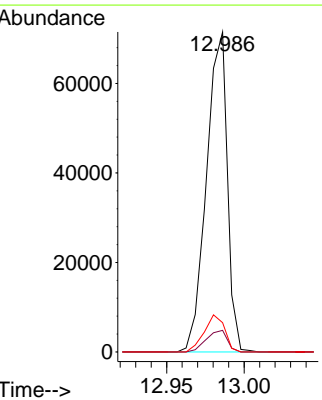
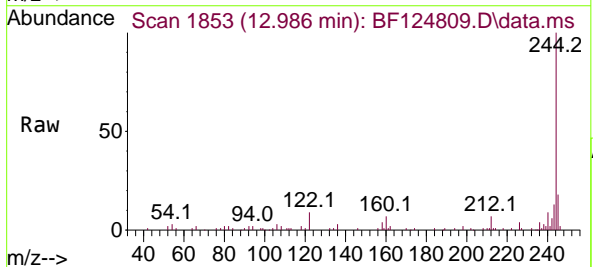
Instrument :  
 BNA\_F  
 ClientSampled :  
 COMP-1

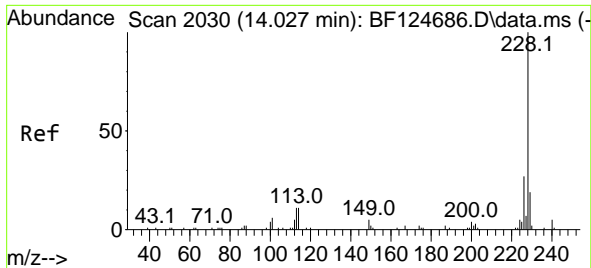
Tgt Ion	Resp	Lower	Upper
202	100		
200	20.2	15.3	22.9
203	16.2	13.4	20.0



#79  
 Terphenyl-d14  
 Concen: 77.73 ng  
 RT: 12.986 min Scan# 1853  
 Delta R.T. -0.000 min  
 Lab File: BF124809.D  
 Acq: 27 Jul 2021 23:46

Tgt Ion	Resp	Lower	Upper
244	100		
212	6.8	5.9	8.9
122	9.2	9.0	13.4

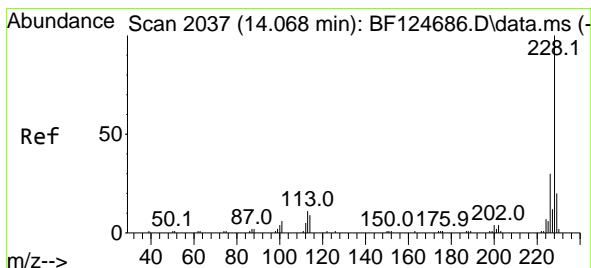
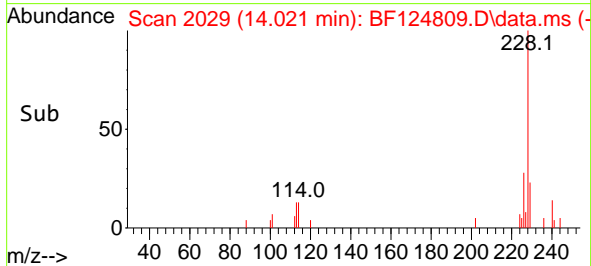
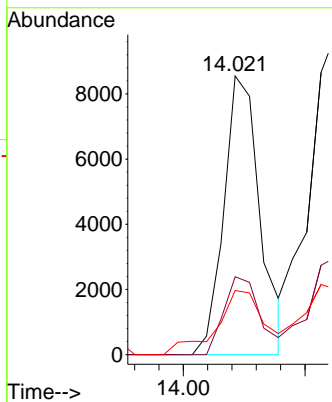
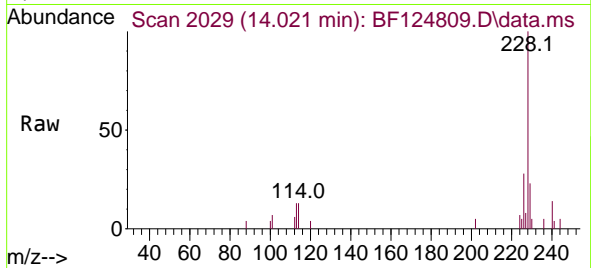




#81  
 Benzo(a)anthracene  
 Concen: 9.15 ng  
 RT: 14.021 min Scan# 2029  
 Delta R.T. -0.006 min  
 Lab File: BF124809.D  
 Acq: 27 Jul 2021 23:46

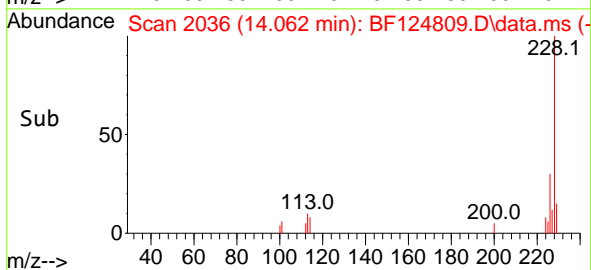
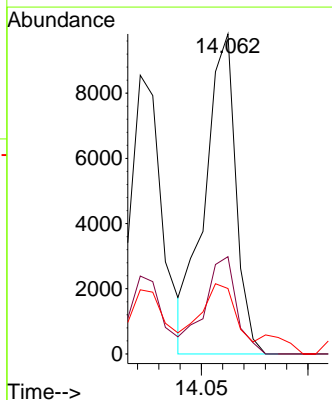
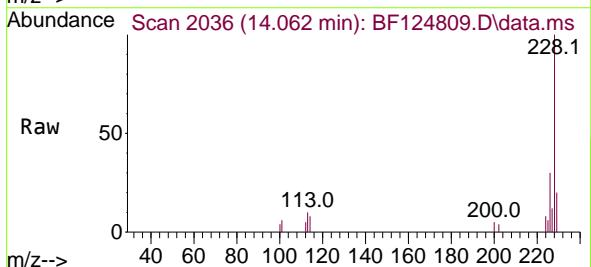
Instrument :  
 BNA\_F  
 ClientSampled :  
 COMP-1

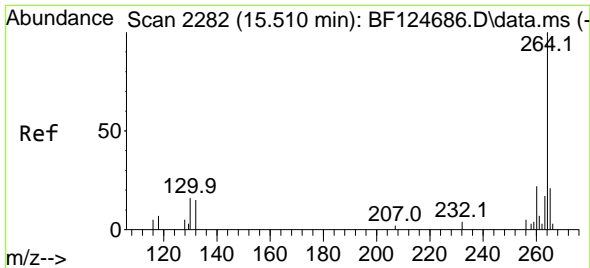
Tgt Ion	Resp	Lower	Upper
228	100		
226	28.0	21.6	32.4
229	23.0	15.6	23.4



#83  
 Chrysene  
 Concen: 10.73 ng  
 RT: 14.062 min Scan# 2036  
 Delta R.T. -0.006 min  
 Lab File: BF124809.D  
 Acq: 27 Jul 2021 23:46

Tgt Ion	Resp	Lower	Upper
228	100		
226	30.4	22.6	34.0
229	20.5	15.9	23.9



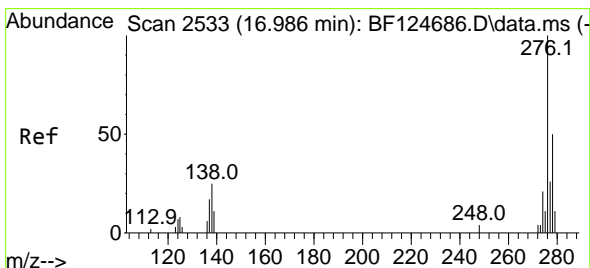
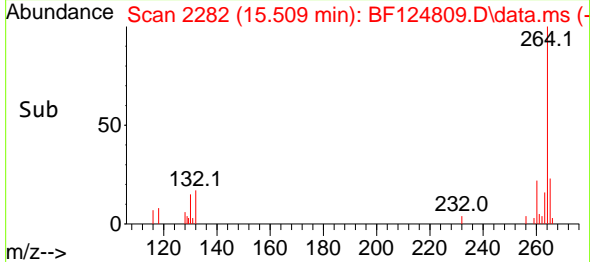
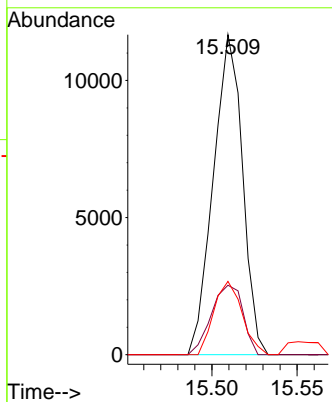
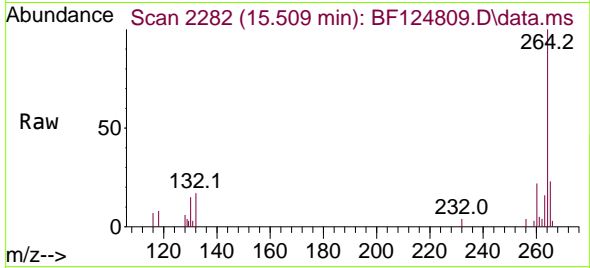


#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.509 min Scan# 2282  
 Delta R.T. -0.000 min  
 Lab File: BF124809.D  
 Acq: 27 Jul 2021 23:46

Instrument :  
 BNA\_F  
 ClientSampled :  
 COMP-1

Tgt Ion:264 Resp: 13895

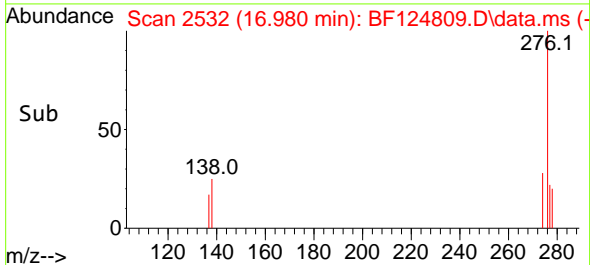
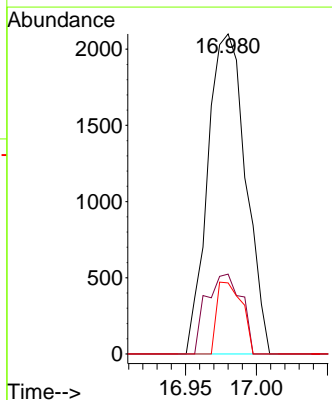
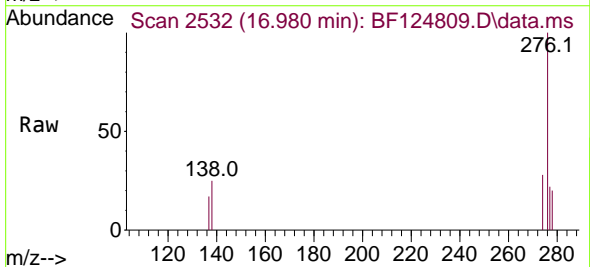
Ion	Ratio	Lower	Upper
264	100		
260	21.7	19.6	29.4
265	22.9	17.2	25.8

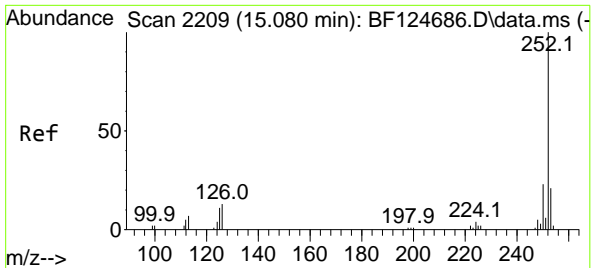


#87  
 Indeno(1,2,3-cd)pyrene  
 Concen: 4.88 ng  
 RT: 16.980 min Scan# 2532  
 Delta R.T. -0.006 min  
 Lab File: BF124809.D  
 Acq: 27 Jul 2021 23:46

Tgt Ion:276 Resp: 3913

Ion	Ratio	Lower	Upper
276	100		
138	22.9	24.1	36.1#
277	14.8	18.8	28.2#

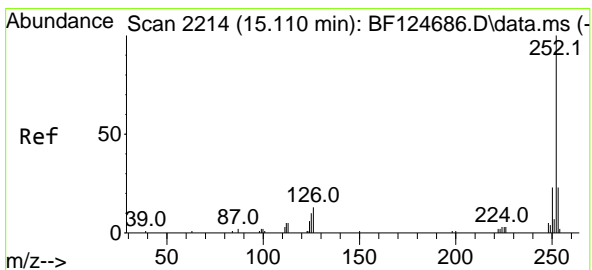
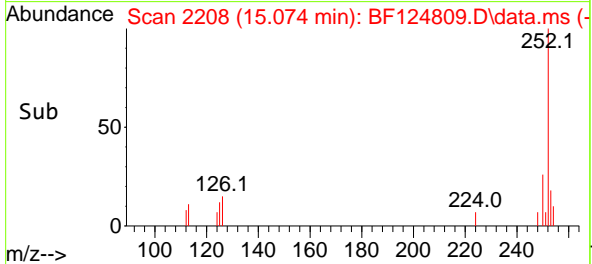
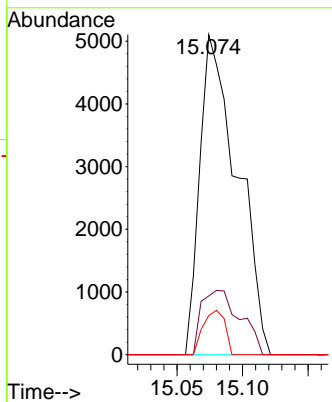
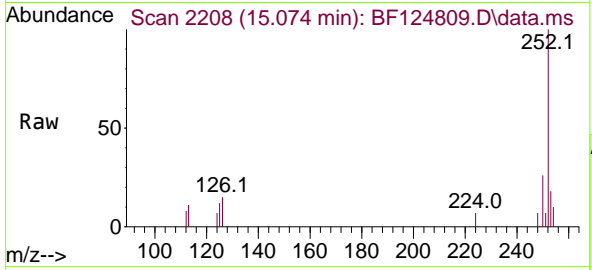




#88  
 Benzo(b)fluoranthene  
 Concen: 10.37 ng  
 RT: 15.074 min Scan# 2208  
 Delta R.T. -0.006 min  
 Lab File: BF124809.D  
 Acq: 27 Jul 2021 23:46

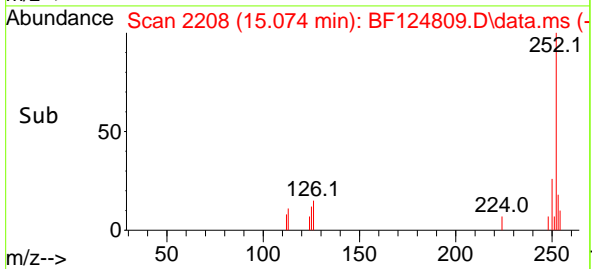
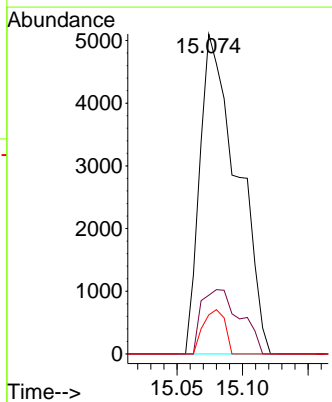
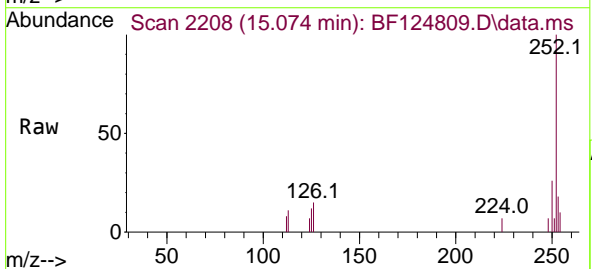
**Instrument :**  
 BNA\_F  
**ClientSampled :**  
 COMP-1

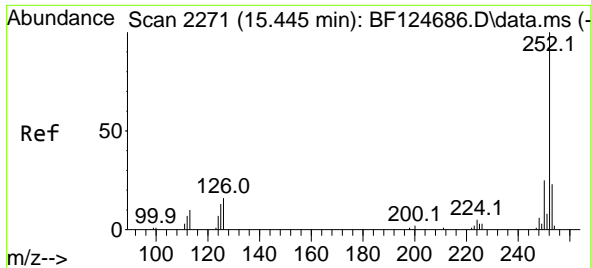
Tgt Ion	Resp	Lower	Upper
252	10146		
253	18.3	16.8	25.2
125	12.2	9.8	14.8



#89  
 Benzo(k)fluoranthene  
 Concen: 11.35 ng  
 RT: 15.074 min Scan# 2208  
 Delta R.T. -0.035 min  
 Lab File: BF124809.D  
 Acq: 27 Jul 2021 23:46

Tgt Ion	Resp	Lower	Upper
252	10146		
253	18.3	17.8	26.8
125	12.2	7.2	10.8#



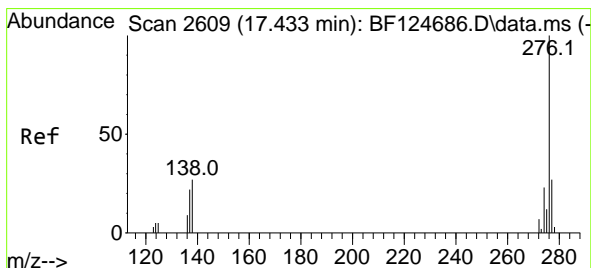
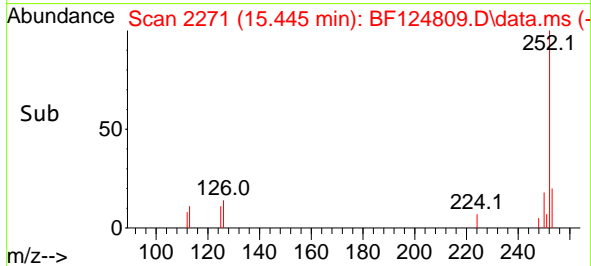
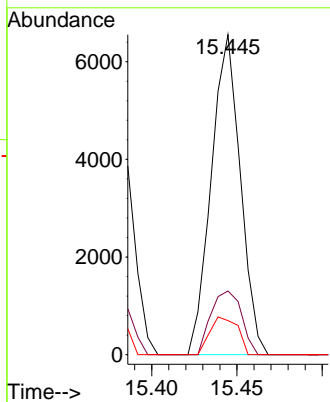
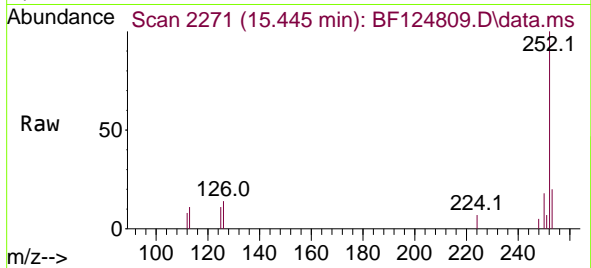


#90  
 Benzo(a)pyrene  
 Concen: 9.52 ng  
 RT: 15.445 min Scan# 2271  
 Delta R.T. -0.000 min  
 Lab File: BF124809.D  
 Acq: 27 Jul 2021 23:46

Instrument :  
 BNA\_F  
 ClientSampled :  
 COMP-1

Tgt Ion:252 Resp: 7778

Ion	Ratio	Lower	Upper
252	100		
253	19.9	18.4	27.6
125	10.7	9.9	14.9



#92  
 Benzo(g,h,i)perylene  
 Concen: 6.12 ng  
 RT: 17.427 min Scan# 2608  
 Delta R.T. -0.006 min  
 Lab File: BF124809.D  
 Acq: 27 Jul 2021 23:46

Tgt Ion:276 Resp: 4074

Ion	Ratio	Lower	Upper
276	100		
277	23.7	22.0	33.0
138	23.1	22.2	33.4

